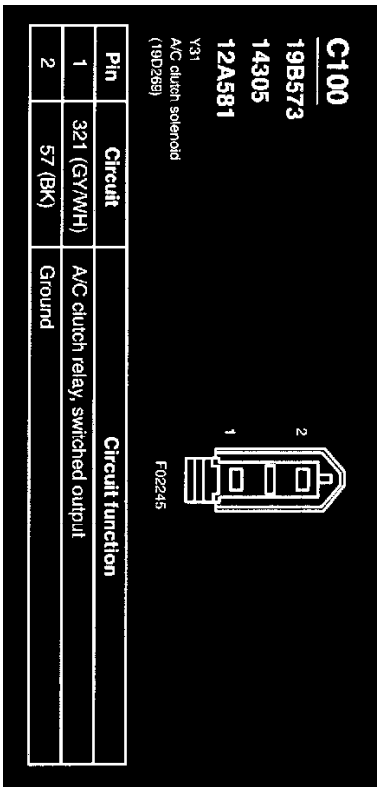
Vehicle: Connector Views

C100

19B573
14305
12A581

Y31
A/C clutch solenoid
(19D268)



Pin	Circuit	Circuit function
1	321 (GY/WH)	A/C clutch relay, switched output
2	57 (BK)	Ground

C101

12B637

B43
Crankshaft position
sensor (6C315)

Pin	Circuit	Circuit function
1	350 (GY)	Crankshaft position sensor (6C315) –
2	349 (DB)	Crankshaft position sensor (6C315) +

C102a (GY)

14305

9D930

05 Generator

Pin	Circuit	Circuit function
1	904 (LG/RD)	Charge (including: ammeter/voltmeter), indicator
2	–	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C102c

14305

9D930

05 Generator

Pin	Circuit	Circuit function
1	36 (YE/WH)	Voltage supplied at all times (overload protected)

C103
12B637
9D930

N17
Oil pressure switch (9278)

F01016

Pin	Circuit	Circuit function
1	31 (WH/RD)	Engine oil pressure indicator, control

C104 (GY)
9D930

B226
Engine Oil Temperature (EOT) sensor

F02015

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground)
2	354 (LG/RD)	signal from Powertrain Control Module (PCM) (12A650)

C107
14B102

B135
Cylinder-head temperature sensor (6G004)

F02111

Pin	Circuit	Circuit function
1	1102 (YE/LG)	Cylinder-head temperature sensor (6G004), to, Powertrain Control Module (PCM) (12A650)
2	359 (GY/RD)	signal, return

C109
12B637

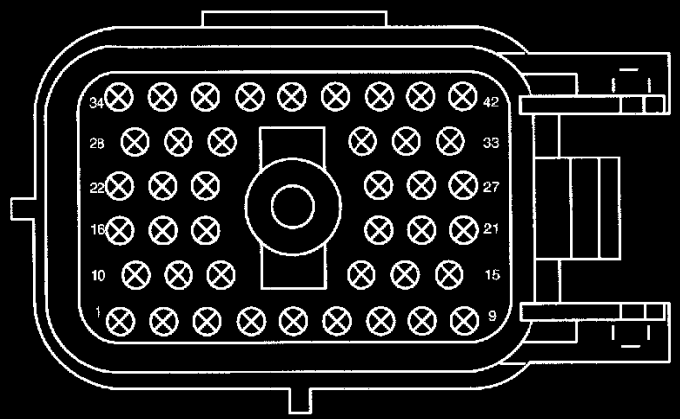
B45
Knock sensor (12A699)

F02453

Pin	Circuit	Circuit function
1	311 (DG/VT)	Sensor signal
2	310 (YE/RD)	Sensor signal

C110

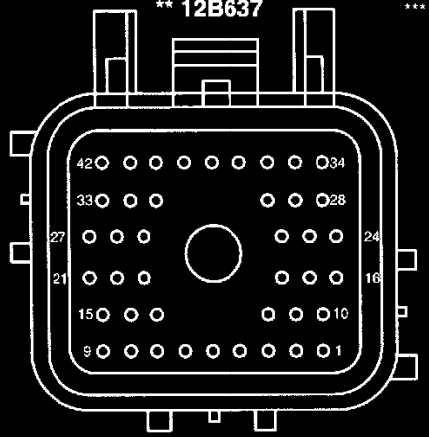
12A581



(1) –
(2) *555 (TN)
(3) *556 (DG)
1100 (GY/BK)
(4) ***561 (TN/RD)
1101 (GY/RD)
(5) *557 (BN/YE)
1102 (YE/LG)
(6) *558 (BN/LB)
(7) *559 (TN/BK)
555 (TN)
(8) *560 (LG/OG)
556 (WH)
(9) 361 (RD)
(10) *562 (LB)
(11) *878 (PK/YE)
355 (GY/WH)
(12) *1087 (OG)
351 (BN/WH)
(13) *1086 (VT/OG)
557 (BN/YE)
(14) *1291 (RD/YE)
558 (BN/LB)
(15) *48
559 (TN/BK)
(16) *570 (BK/WH)
(17) *354 (LG/RD)
(18) 359 (GY/RD)
(19) *359 (GY/RD)
560 (LG/OG)
(20) *553 (VT/LB)
561 (TN/RD)
(21) *351 (BN/WH)
562 (LB)
(22) *812 (DB/LG)
350 (GY)
(23) *318 (GY/RD)
795 (DG)
(24) *361 (RD)
(25) *552 (YE/RD)
31 (WH/RD)
(26) *462 (VT)
1024 (LG/WH)
(27) –
(28) *1275 (WH/RD)
349 (DB)
(29) *45 (YE/RD)
796 (LB)
(30) *31 (WH/RD)
***352 (BN/LG)
(31) *39 (RD/WH)
(32) *3996 (RD/YE)
1028 (WH/PK)
(33) *796 (LB)
1027 (PK/LB)
(34) 16 (RD/LG)
(35) *16 (RD/LG)
48
(36) *1183 (WH/YE)
310 (YE/RD)
(37) *1280 (GY/RD)
311 (DG/VT)
(38) ***360 (BN/BK)
(39) *795 (DG)
264 (WH/LB)
(40) –
(41) *1277 (WH/LG)
1026 (PK/WH)
(42) 391 (RD/YE)

* = Diesel only
** = gasoline engines
*** = California

* 9D930
** 12B637



(1) **397 (BK/WH)
(2) *555(TN)
***39 (RD/WH)
(3) *556 (WH)
**1100 (GY/BK)
(4) *561 (TN/RD)
**1101 (GY/RD)
(5) *557 (BN/YE)
1102 (YE/LG)
(6) *558 (BN/LB)
(7) *559 (TN/BK)
555 (TN)
(8) *560 (LG/OG)
556 (WH)
(9) 361 (RD)
(10) *562 (LB)
(11) *878 (PK/YE)
355 (GY/WH)
(12) *1087 (OG)
351 (BN/WH)
(13) *1086 (PK/OG)
557 (BN/YE)
(14) *1291 (RD/YE)
558 (BN/LB)
(15) *48
559 (TN/BK)
(16) *570 (BK/WH)
(17) *354 (LG/RD)
(18) 359 (GY/RD)
*45 (YE/RD)
(19) *359 (GY/RD)
560 (LG/OG)
(20) *553 (VT/LB)
561 (TN/RD)
(21) *351 (BN/WH)
562 (LB)
(22) *812 (DB/LG)
350 (GY)
(23) *318 (GY/RD)
795 (DG)
(24) *361 (RD)
(25) *552 (YE/RD)
31 (WH/RD)
(26) *462 (VT)
1024 (LG/WH)
(27) **397 (BK/WH)
(28) *1275 (WH/RD)
349 (DB)
(29) *197 (TN/OG)
796 (LB)
(30) *31 (WH/RD)
***352 (BN/LG)
(31) *39 (RD/WH)
***45(YE/RD)
(32) *3996 (RD/YE)
1028 (WH/PK)
(33) *796 (LB)
1027 (PK/LB)
(34) 16 (RD/LG)
(35) *16 (RD/LG)
48
(36) *904 (LG/RD)
310 (YE/RD)
(37) *1280 (GY/RD)
311 (DG/VT)
(38) ***360 (BN/PK)
(39) *795 (DG)
264 (WH/LB)
(40) –
(41) *1277 (WH/LG)
1026 (PK/WH)
(42) 391 (RD/YE)

C111
12B637

P66
Coil On Plug (COP)
1 (12029)

F02371

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1024 (LG/WH)	Switched ground

C112
12B637

P67
Coil On Plug (COP)
2 (12029)

F02371

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	**1026 (PK/WH)	Switched ground
	*1027 (PK/LB)	Switched ground

* 6.8L
** 5.4L

C113

12B637

P68
Coil On Plug (COP)
3 (12029)

* 6.8L
** 5.4L

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	*1026 (PK/WH)	Switched ground
	**1028 (WH/PK)	Switched ground

C114

12B637

P69
Coil On Plug (COP)
4 (12029)

* 6.8L
** 5.4L

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	*1141 (YE/BK)	Switched ground
	**1030 (DG/VT)	Switched ground

C115

12B637

P70
Coil On Plug (COP)
5 (12029)

F02371

* 6.8L
** 5.4L

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	*1028 (WH-I/PK)	Switched ground
	**1021 (LG/YE)	Switched ground

C116

12B637

P71
Coil On Plug (COP)
6 (12029)

F02371

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1025 (OG/YE)	Switched ground

C117
12B637

P72
Coil On Plug (COP)
7 (12029)

F02371

* 6.8L
** 5.4L

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	*1030 (DG/VT)	Switched ground
	**1027 (PK/LB)	Switched ground

C118
12B637

P73
Coil On Plug (COP)
8 (12029)

F02371

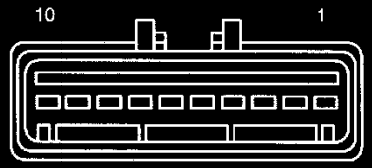
Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1029 (WH/RD)	Switched ground

C122

* manual transmission
** automatic transmission

12A581

M87
Speed control servo
(9C735)



F10011

Pin	Circuit	Circuit function
1	203 (OG/LB)	Cruise set, to antenna, control
2	–	not used
3	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
4	*306 (TN/LB)	Clutch pedal position switch, input
	**810 (RD/LG)	Brake pedal position switch (13480), input
5	151 (LB/BK)	Speed control switch, input
6	848 (DG/OG)	Speed control switch, Ground
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	–	not used
9	307 (BK/YE)	Brake pressure switch (2B264), input
10	57 (BK)	Ground

C124

12A581

N1
Brake fluid level
switch (2L414)

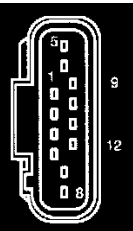
F03247

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	512 (TN/LG)	Brake indicator, control
3	531 (DG/YE)	Brake fluid level switch (2L414), signal

C125

12A581

M111
Windshield wiper
motor (17508)

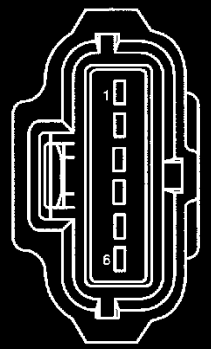


Pin	Circuit	Circuit function
1	61 (YE/RD)	Wiper motor relay, high/low, input
2	–	not used
3	676 (PK/OG)	logic ground
4	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
5	65 (DG)	Voltage supplied at all times (overload protected)
6	57 (BK)	Ground
7	941 (BK/WH)	Windshield washer pump motor (17618) – Pickup
	946 (VT/LG)	Windshield washer pump motor (17618) – Excursion
8	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
9	63 (RD)	Wiper switch circuit
10	56 (DB/OG)	Wiper high/low relay, switched power, output, High
11	58 (WH)	Wiper switch circuit
12	589 (OG)	Wiper/washer switch, wiper speed circuit

C128

12A690

B22
Mass Air Flow
(MAF) sensor
(12B579)



F06077

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground), Intake air temperature sensor
2	361 (RD)	fused feed
3	570 (BK/WH)	Ground
4	968 (TN/LB)	Sensor signal return (reference/ground)
5	967 (LB/RD)	monitor
6	743 (GY)	Intake air temperature sensor, signal

C129

12A581

B213
Intake Air Temperature (IAT) sensor (12A697)

F02101

Pin	Circuit	Circuit function
1	743 (GY)	signal from Powertrain Control Module (PCM) (12A650)
2	359 (GY/RD)	Sensor signal return (reference/ground)

C131

12A581

H1
Horn (13832)

F02089

Pin	Circuit	Circuit function
1	6 (YE/LG)	Horn relay, switched power output
2	57 (BK)	Ground

C132

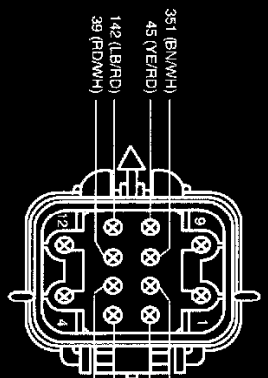
12A581 Excursion
14K073 Pickup

B203
Ambient air temperature sensor (19E702)

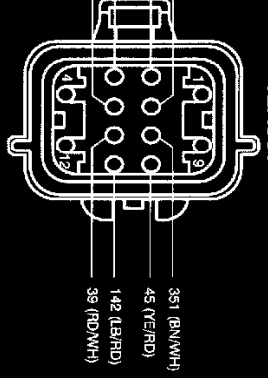
Pin	Circuit	Circuit function
1	470 (PK/BK)	Sensor signal return (reference/ground)
	676 (PK/OG)	Ground
2	3061 (LB/OG)	monitor

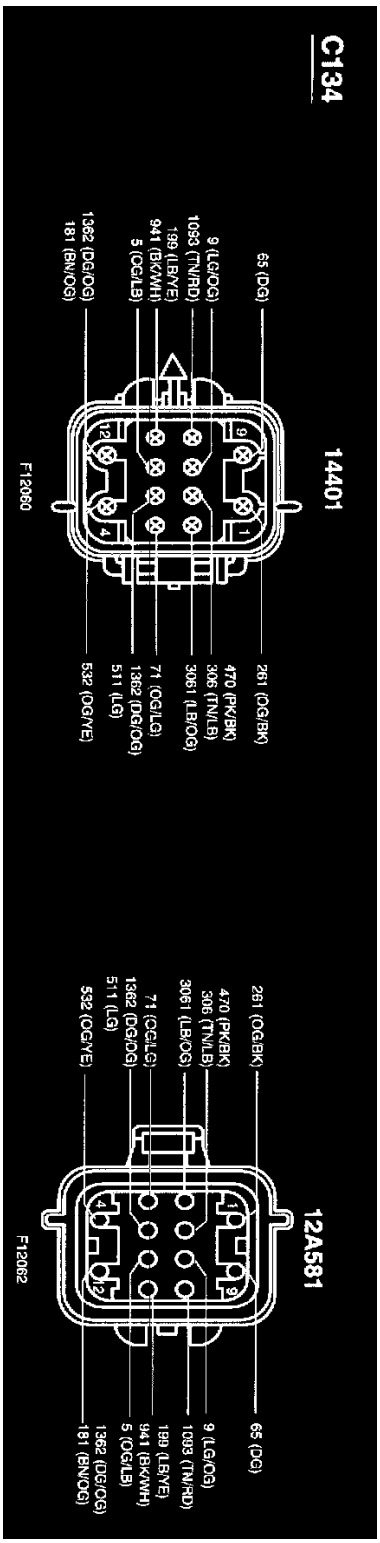
C133

14401



12A581

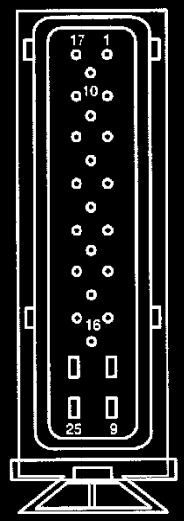



C134
14401
65 (DG)
9 (LG/OG)
1093 (TN/RD)
199 (LB/YE)
941 (BK/WH)
5 (OG/LB)
1362 (DG/OG)
181 (BN/OG)
261 (OG/BK)
470 (PK/BK)
306 (TN/LB)
3061 (LB/OG)
71 (OG/LG)
1362 (DG/OG)
511 (LG)
532 (OG/YE)
F12060
12A581
261 (OG/BK)
470 (PK/BK)
306 (TN/LB)
3061 (LB/OG)
71 (OG/LG)
1362 (DG/OG)
511 (LG)
532 (OG/YE)
65 (DG)
9 (LG/OG)
1093 (TN/RD)
199 (LB/YE)
941 (BK/WH)
5 (OG/LB)
1362 (DG/OG)
181 (BN/OG)
F12062

C135

12A581

A7
ABS control module
(2C219)



F25010

Pin	Circuit	Circuit function
1	70 (LB/WH)	Data bus ISO 9141 (K–line)
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	–	not used
4	522 (TN/BK)	Wheel speed sensor, left front (2C205) –
5	516 (YE/BK)	Wheel speed sensor, right front (2C204) –
6	519 (LG/BK)	Rear axle speed sensor (4B409) –
7	210 (LB)	Four–wheel drive, high/low
8	530 (LG/YE)	Chassis Ground
9	532 (OG/YE)	Voltage supplied at all times (overload protected)
10	512 (TN/LG)	Brake fluid level switch (2L414), input
11	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
12	521 (TN/OG)	Wheel speed sensor, left front (2C205) +

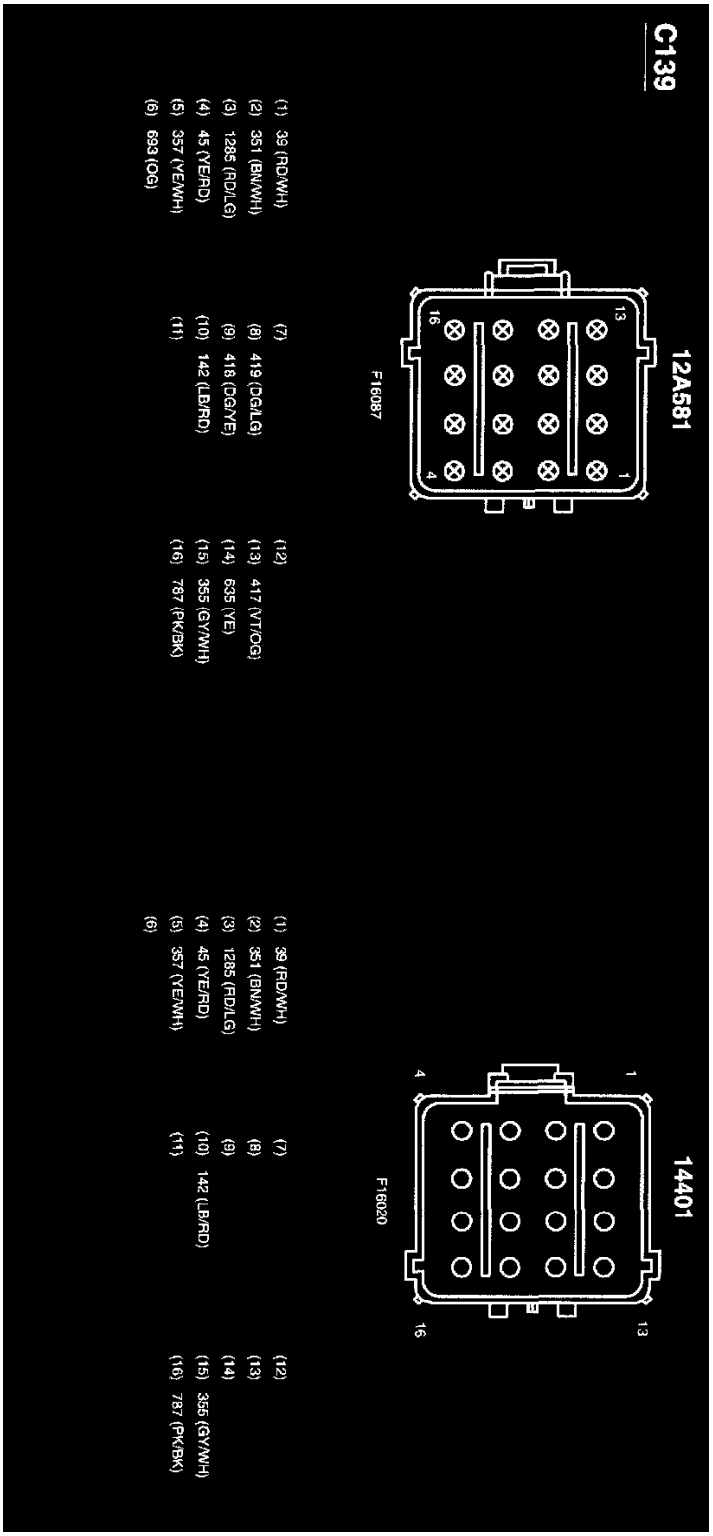
Pin	Circuit	Circuit function
13	514 (YE/RD)	Wheel speed sensor, right front (2C204) +
14	523 (RD/PK)	Wheel speed sensor, right rear +
15	603 (DG)	Anti–lock brake indicator, control
16	533 (TN/RD)	Voltage in Run (overload protected)
17	–	not used
18	–	not used
19	–	not used
20	–	not used
21	–	not used
22	–	not used
23	–	not used
24	530 (LG/YE)	Chassis Ground
25	532 (OG/YE)	Voltage supplied at all times (overload protected)

C137
12A581

M112
Windshield washer pump motor (17618)

F02091

Pin	Circuit	Circuit function
1	941 (BK/WH)	Windshield washer pump motor (17618), feed
2	57 (BK)	Ground – Pickup
	946 (VT/LG)	Windshield washer pump motor (17618) – Excursion


C139
12A581
F16087
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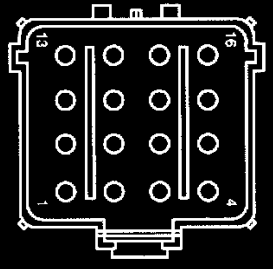
(2) 351 (BN/WH)
(3) 1285 (RD/LG)
(4) 45 (YE/RD)
(5) 357 (YE/WH)
(6) 693 (OG)
(7)
(8) 419 (DG/LG)
(9) 418 (DG/YE)
(10) 142 (LB/RD)
(11)
(12)
(13) 417 (VT/OG)
(14) 635 (YE)
(15) 355 (GY/WH)
(16) 787 (PK/BK)
14401
F16020
(1) 39 (RD/WH)
(2) 351 (BN/WH)
(3) 1285 (RD/LG)
(4) 45 (YE/RD)
(5) 357 (YE/WH)
(6)
(7)
(8)
(9)
(10) 142 (LB/RD)
(11)
(12)
(13)
(14)
(15) 355 (GY/WH)
(16) 787 (PK/BK)

C140

12A581

F16145

15525



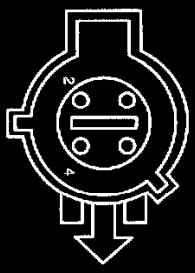
F16020

(1) 523 (RD/PK)
(2) 519 (LG/BK)
(3) 9 (LG/OG)
(4) 5 (OG/LB)
(5) 84 (DG)
(6) 52 (YE)
(7) 511 (LG)
(8) 351 (BN/WH)
(9) 781 (RD/PK)
(10) 359 (GY/RD)
(11) –
(12) –
(13) 392 (RD/LG)
(14) 389 (WH/BK)
(15) 391 (RD/YE)
(16) –

C142 (BU)

14405

B88
Heated Oxygen Sensor (HO2S) #12 (9G444)



F04251

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	389 (WH/BK)	Heated Oxygen Sensor (HO2S) #12 (9G444), heater
3	359 (GY/RD)	Signal return
4	392 (RD/LG)	Heated Oxygen Sensor (HO2S) #12 (9G444), input

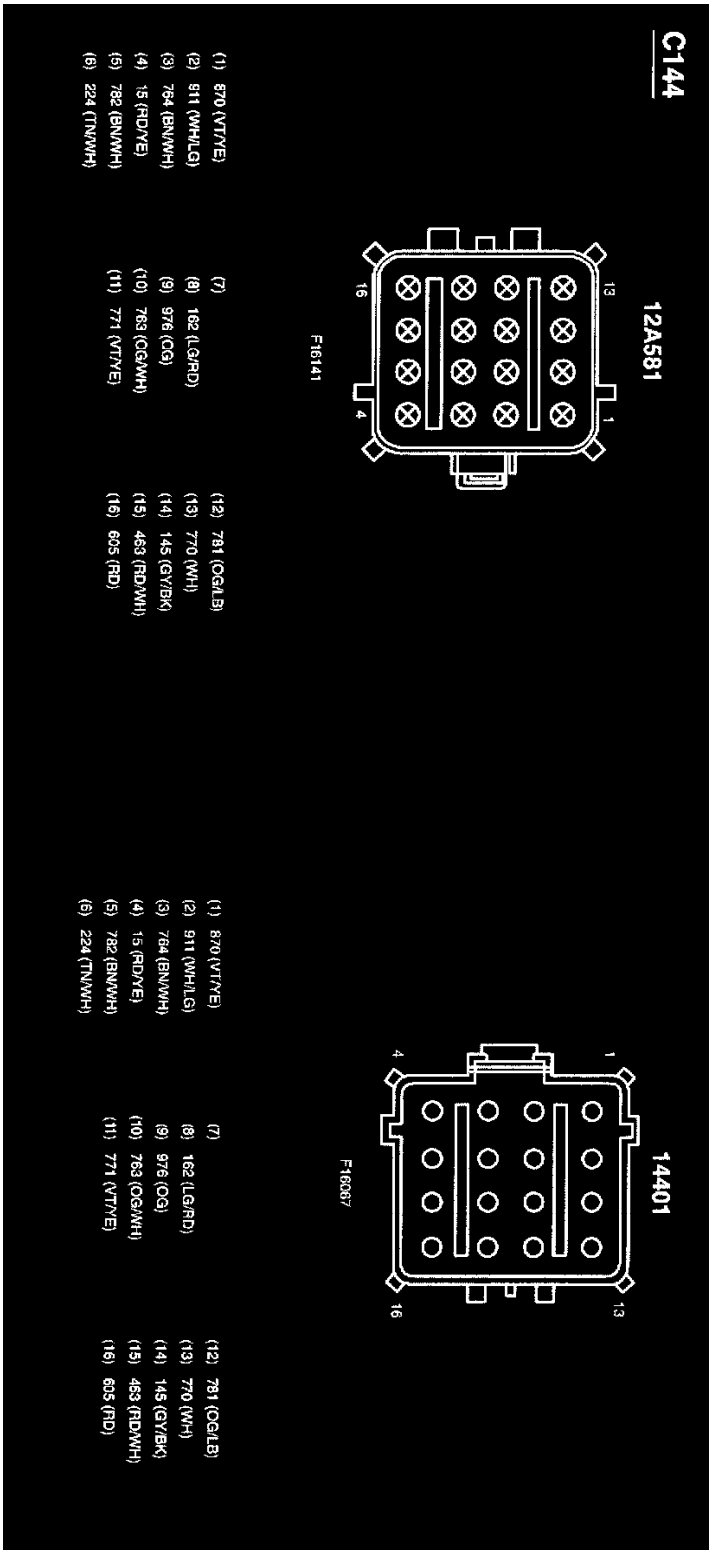
C143

15525

B44
Turbine shaft speed sensor (7M101)

F02031

Pin	Circuit	Circuit function
1	970 (DG/WH)	Turbine shaft speed sensor (7M101)
2	359 (GY/RD)	Signal return


C144
12A581
13
1
16
4
F16141
(1) 870 (VT/YE)
(2) 911 (WH/LG)
(3) 764 (BN/WH)
(4) 15 (RD/YE)
(5) 782 (BN/WH)
(6) 224 (TN/WH)
(7)
(8) 162 (LG/RD)
(9) 976 (OG)
(10) 763 (OG/WH)
(11) 771 (VT/YE)
(12) 781 (OG/LB)
(13) 770 (WH)
(14) 145 (GY/BK)
(15) 463 (RD/WH)
(16) 605 (RD)
14401
1
13
4
16
F16067
(1) 870 (VT/YE)
(2) 911 (WH/LG)
(3) 764 (BN/WH)
(4) 15 (RD/YE)
(5) 782 (BN/WH)
(6) 224 (TN/WH)
(7)
(8) 162 (LG/RD)
(9) 976 (OG)
(10) 763 (OG/WH)
(11) 771 (VT/YE)
(12) 781 (OG/LB)
(13) 770 (WH)
(14) 145 (GY/BK)
(15) 463 (RD/WH)
(16) 605 (RD)

C145
14401
1
4
13
16
F16145
(1) 603 (DG)
(2) 754 (LG/WH)
(3) 589 (OG)
(4) 210 (LB)
(5) 704 (DG/LG)
(6) 570 (BK/WH)
(7) 752 (YE/RD)
(8) 61 (YE/RD)
(9) 16 (RD/LG)
(10) 975 (BN/YE)
140 (BK/PK)
(11) 31 (WH/RD)
(12) 56 (DB/OG)
(13) 359 (GY/RD)
848 (DG/OG)
(14) 915 (PK/LB)
(15) 914 (TN/OG)
(16) 203 (OG/LB)
12A581
F16089
(1) 603 (DG)
(2) 754 (LG/WH)
(3) 589 (OG)
(4) 210 (LB)
(5) 704 (DG/LG)
(6) 570 (BK/WH)
(7) 752 (YE/RD)
(8) 61 (YE/RD)
(9) 16 (RD/LG)
(10) 975 (BN/YE)
140 (BK/PK)
(11) 31 (WH/RD)
(12) 56 (DB/OG)
(13) 848 (DG/OG)
359 (GY/RD)
(14) 915 (PK/LB)
(15) 914 (TN/OG)
(16) 203 (OG/LB)

C146
14401
1
4
13
16
F16141
(1) 676 (PK/OG)
(2) 348 (VT)
(3) 151 (LB/BK)
(4) 13 (RD/BK)
(5) 70 (LB/WH)
(6) 531 (DG/YE)
(7) 679 (GY/BK)
(8) 904 (LG/RD)
(9) 63 (RD)
(10) 3 (LG/WH)
(11) 107 (VT)
(12) 512 (TN/LG)
(13) 1002 (BK/PK)
(14) 2 (WH/LB)
(15) 58 (WH)
(16) 810 (RD/LG)
12A581
F16059
(1) 676 (PK/OG)
(2) 348 (VT)
(3) 151 (LB/BK)
(4) 1033 (RD/YE)
13 (RD/BK)
(5) 70 (LB/WH)
(6) 531 (DG/YE)
(7) 679 (GY/BK)
(8) 904 (LG/RD)
(9) 63 (RD)
(10) 3 (LG/WH)
(11) 107 (VT)
(12) 512 (TN/LG)
(13) 1002 (BK/PK)
(14) 2 (WH/LB)
(15) 58 (WH)
(16) 810 (RD/LG)

C150 (BK)

12A581

B15
Wheel speed sensor, left front (2C205)

F02085

Pin	Circuit	Circuit function
1	522 (TN/BK)	Wheel speed sensor, left front (2C205) –
2	521 (TN/OG)	Wheel speed sensor, left front (2C205) +

C152

15A211

E43
Fog lamp, left front (15200)

F02245

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp switch, to front fog lamp

C160 (BK)

12A581

B14
Wheel speed sensor, right front (2C204)

F02085

Pin	Circuit	Circuit function
1	516 (YE/BK)	Wheel speed sensor, right front (2C204) –
2	514 (YE/RD)	Wheel speed sensor, right front (2C204) +

C162

15A211

E42
Fog lamp, right front (15200)

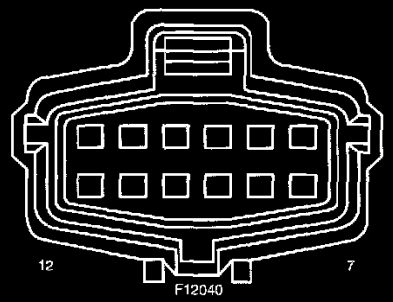
F02245

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp switch, to front fog lamp

C167

15525

B234
Digital Transmission Range (DTR) sensor (7F293)

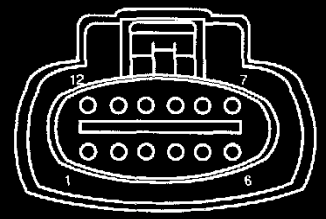


Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	signal, return
3	199 (LB/YE)	Digital Transmission Range (DTR) sensor to Powertrain Control Module (PCM) (12A650)
4	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
5	1145 (LB/BK)	Digital Transmission Range (DTR) sensor, TR2
6	1143 (WH/BK)	Digital Transmission Range (DTR) sensor, TR4
7	870 (VT/YE)	encoder, Ground, return
8	463 (RD/WH)	Neutral, switch sense, input
9	295 (LB/PK)	electronic cluster, Accessory, feed
10	33 (WH/PK)	switched power, to starter solenoid
11	140 (BK/PK)	Voltage supplied in reverse
12	1093 (TN/RD)	Power, Hot in Start with Park or Neutral

C168

15525

A120
Automatic transmission module (7G422)

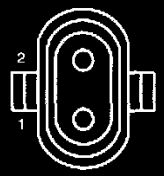


Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	315 (VT/OG)	Shift solenoid B
3	237 (OG/YE)	Shift solenoid A
4	480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
5	924 (BN/OG)	Powertrain Control Module (PCM) (12A650), to transmission coast clutch solenoid
6	–	not used
7	923 (OG/BK)	Transmission Fluid Temperature (TFT) sensor, input
8	359 (GY/RD)	Voltage supplied in Start and Run (overload protected)
9	–	not used
10	–	not used
11	925 (WH/YE)	Injector pressure sensor, input
12	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)

C169

15525

N19
Reversing lamps
switch



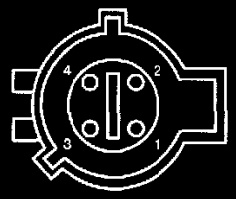
F02353

Pin	Circuit	Circuit function
1	140 (BK/PK)	Voltage supplied in reverse
2	295 (LB/PK)	electronic cluster, Accessory, feed

C171

12B637

B48
Heated Oxygen
Sensor (HO2S) #11
(9F472)



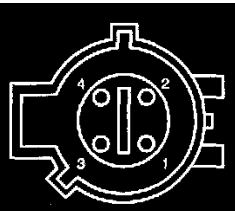
F04082

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	387 (RD/WH)	Heated Oxygen Sensor (HO2S) #11 (9F472), heater
3	359 (GY/RD)	signal, return
4	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #11 (9F472), input

C172

12B637

B47
Heated Oxygen
Sensor (HO2S) #21
(9F472)



F04124

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	388 (YE/LB)	Heated Oxygen Sensor (HO2S) #21 (9F472), heater
3	359 (GY/RD)	signal, return
4	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #21 (9F472), input

C174 (GY)

12B637

U10
Ignition transformer
capacitor 1 (18801)

F01031

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C175 Diesel engines

12A581

A147 Powertrain Control Module (PCM) (12A650)

F1040001

* with automatic transmission

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	3996 (RD/YE)	Manifold intake air heater relay, monitor
4	–	not used
5	162 (LG/RD)	Parking brake switch (15A851)
6	237 (OG/YE)*	Shift solenoid A
7	–	not used
8	1277 (WH/LG)	Glow plug relay, monitor
9	–	not used
10	1285 (RD/LG)	Idle validation switch
11	315 (VT/OG)*	Shift solenoid B
12	911 (WH/LG)*	Transmission Control Indicator Lamp (TCIL)
13	107 (VT)	Module programming signal
14	–	not used
15	915 (PK/LB)	SCP Bus –
16	914 (TN/OG)	SCP Bus +
17	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
18	331 (PK/YE)	A/C clutch relay, control
19	76 (LG/WH)	Tachometer output
20	924 (BN/OG)*	Powertrain Control Module (PCM) (12A650), to transmission coast clutch solenoid
21	795 (DG)	Camshaft position sensor (6B288)
22	–	not used
23	–	not used
24	357 (YE/WH)	Accelerator pedal position sensor, Ground
25	567 (LB/YE)	Ground
26	–	not used
27	–	not used
28	–	not used
29	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmission overdrive cancel switch – Automatic
	306 (TN/LB)	Clutch switch – Manual
30	553 (VT/LB)	Exhaust Back Pressure (EBP) sensor, monitor
31	307 (BK/YE)	Brake pressure switch (2B264), input
32	–	not used
33	–	not used
34	–	not used
35	1183 (WH/YE)	Generator
36	1280 (GY/RD)	Water–in–fuel sensor
37	923 (OG/BK)	Transmission Fluid Temperature (TFT) sensor, input – Automatic
	923 (OG/BK)	Engine Oil Temperature (EOT) sensor, signal – Manual
38	354 (LG/RD)	Engine Oil Temperature (EOT) sensor, signal
39	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), input
40	787 (PK/BK)	Fuel pump, monitor
41	439 (TN/LG)	A/C high pressure switch (19D594)
42	318 (GY/RD)	Exhaust Pressure Regulator (EPR), control

Part 1

Pin	Circuit	Circuit function
43	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
44	–	not used
45	203 (OG/LB)	Cruise set, indicator, control
46	–	not used
47	1275 (WH/RD)	Waste gate solenoid, control
48	818 (GY/WH)	Injector Driver Module (IDM)
49	1145 (LB/BK)	Digital Transmission Range (DTR) sensor TR2
50	*1143 (WH/BK)	Digital Transmission Range (DTR) sensor TR4
51	570 (BK/WH)	Ground
52	–	not used
53	–	not used
54	*480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
55	729 (RD/WH)	Voltage supplied at all times (overload protected), keep alive memory
56	–	not used
57	–	not used
58	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
59	136 (DB/YE)*	Powertrain Control Module (PCM) (12A650), – Output Shaft Speed (OSS) sensor (7M101)
60	1185 (YE)	Generator and Regulator
61	151 (LB/BK)	Speed control switch, input
62	1291 (RD/YE)	Air Charge Temperature (ACT) sensor
63	–	not used
64	199 (LB/YE)	TR3A – Automatic Clutch pedal position switch – Manual
65	796 (LB)	Camshaft position sensor (6B288), Signal return
66	322 (LB/YE)	PTO control
67	904 (LG/RD)	Generator/Battery indicator, control
68	–	not used
69	–	not used
70	–	not used
71	361 (RD)	Voltage supplied in Start and Run (overload protected)

Pin	Circuit	Circuit function
72–76	–	not used
77	570 (BK/WH)	Ground
78	–	not used
79	358 (LG/BK)	Manifold Absolute Pressure (MAP) sensor, to, Powertrain Control Module (PCM) (12A650)
80	814 (WH/BK)	Injector Driver Module (IDM) power relay, control
81	*925 (WH/YE)	Electronic Pressure Control (EPC) solenoid
82	–	not used
83	552 (YE/RD)	Injection Pressure Regulator (IPR), control
84	970 (DG/WH)	Turbine shaft speed sensor (7M101)
85	–	not used
86	–	not used
87	812 (DB/LG)	Injection pressure sensor, monitor
88	–	not used
89	355 (GY/WH)	Accelerator pedal position sensor, input
90	351 (BN/WH)	Reference voltage
91	359 (GY/RD)	Signal return
92	810 (RD/LG)	Brake pedal position switch (13480), input
93	–	not used
94	926 (LB/OG)	Fuel pump relay, control
95	821 (BN/OG)	fuel delivery command signal output
96	817 (YE/LB)	Injector Driver Module (IDM), cylinder identification
97	361 (RD)	Voltage supplied in Start and Run (overload protected)
98	462 (VT)	Manifold intake air heater relay, control
99	–	not used
100	–	not used
101	1086 (VT/OG)	Glow plugs, control
102	–	not used
103	570 (BK/WH)	Ground
104	–	not used

Part 2

C179

12B637

Y33
Electr Vacuum Regulator (EVR) solenoid valve

F02101

California

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	360 (BN/PK)	EGR Vacuum Regulator (EVR), control

C180

12B637

B41
Camshaft position sensor (6B288)

F02331

Pin	Circuit	Circuit function
1	796 (LB)	Camshaft position sensor (6B288), signal, return
2	795 (DG)	Camshaft position sensor (6B288), to, Powertrain Control Module (PCM) (12A650)

C181
12B637

Y103
Fuel injector 1
(9F593)

6.8L

5.4L

Pin	Circuit	Circuit function
1	555 (TN)	Fuel injector 1, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C182
12B637

Y109
Fuel injector 2
(9F593)

6.8L

5.4L

Pin	Circuit	Circuit function
1	556 (WH)	Fuel injector 2, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C183
12B637
Y110
Fuel injector 3
(9F593)

6.8L

5.4L

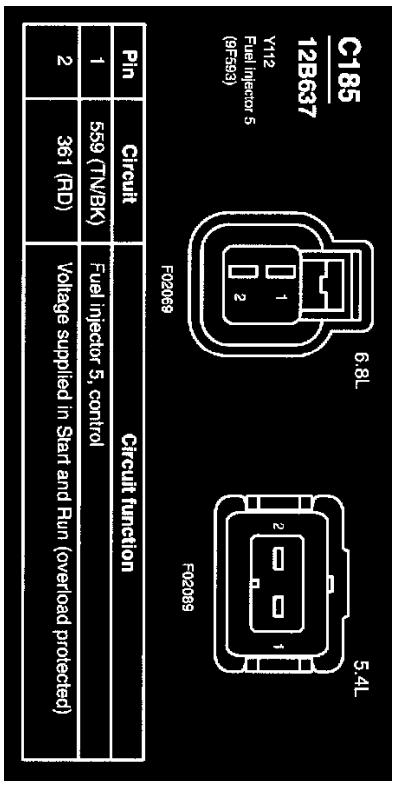
Pin	Circuit	Circuit function
1	557 (BN/YE)	Fuel injector 3, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C184
12B637
Y111
Fuel injector 4
(9F593)

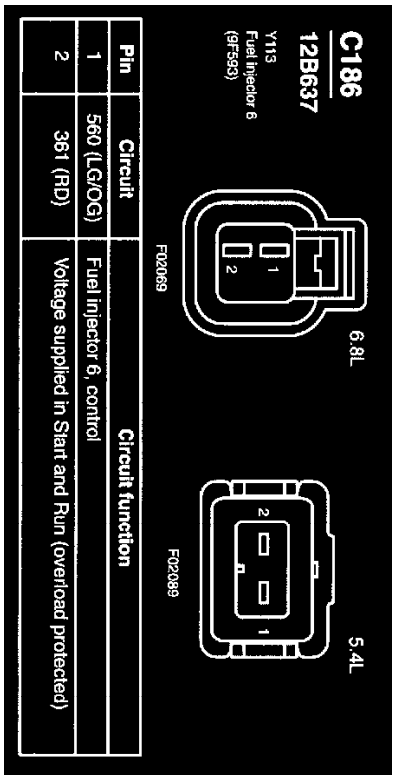
6.8L

5.4L

Pin	Circuit	Circuit function
1	558 (BN/LB)	Fuel injector 4, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)



Pin	Circuit	Circuit function
1	559 (TN/BK)	Fuel injector 5, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)



Pin	Circuit	Circuit function
1	560 (LG/OG)	Fuel injector 6, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

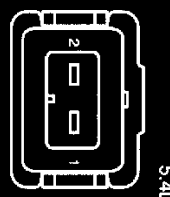
C187
12B637

Y207
Fuel injector 7
(9F593)

6.8L

F02069

5.4L



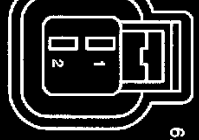
F02089

Pin	Circuit	Circuit function
1	561 (TN/RD)	Fuel injector 7, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C188
12B637

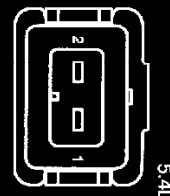
Y209
Fuel injector 8
(9F593)

6.8L



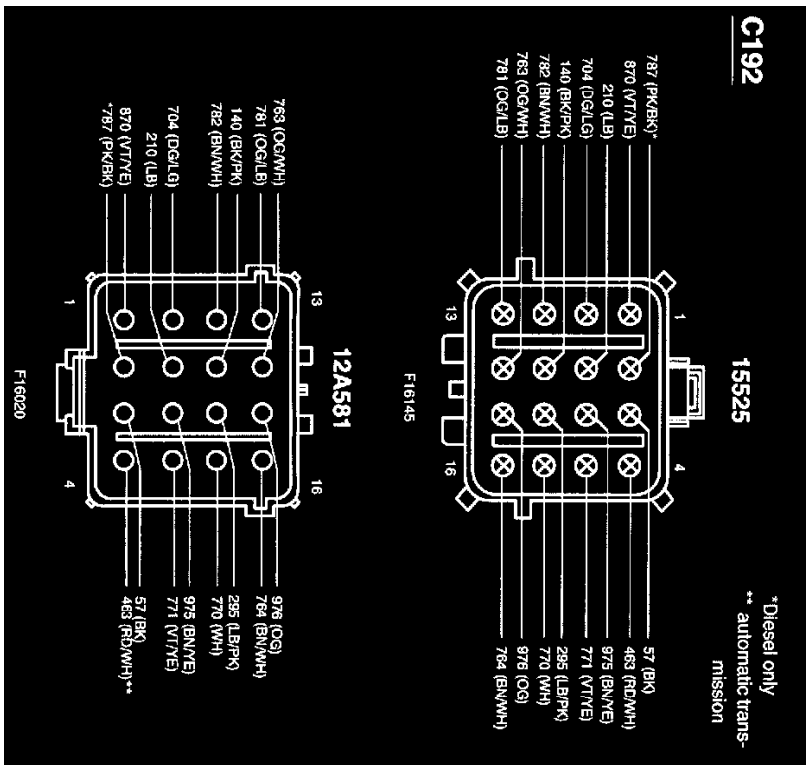
F02089

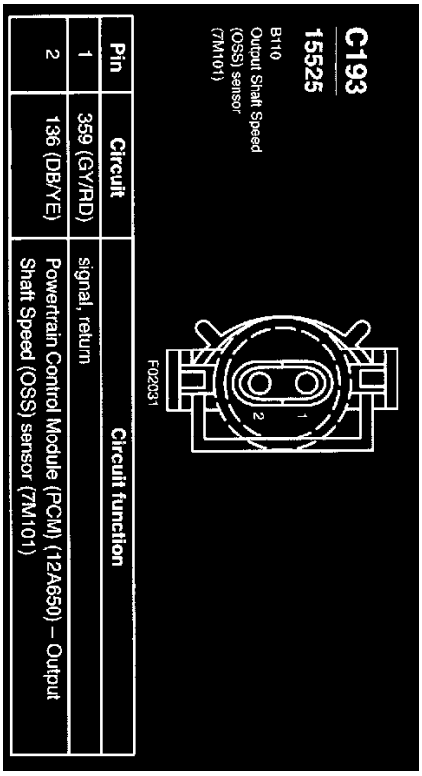
5.4L



F02089

Pin	Circuit	Circuit function
1	562 (LB)	Fuel injector 8, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)





Pin	Circuit	Circuit function
1	359 (GY/RD)	signal, return
2	136 (DB/YE)	Powertrain Control Module (PCM) (12A650) – Output Shaft Speed (OSS) sensor (7M101)

C194
12B637

U11
Ignition transformer capacitor 2 (18801)

F01031

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C196
12A581

R5
Daytime running lamps resistor

F02101

Pin	Circuit	Circuit function
1	471 (OG/LG)	Daytime running lamps resistor, to, Headlamp relay
2	554 (YE/BK)	Voltage supplied at all times (overload protected)

C197a

14B060
14300

M8
Starter motor
(11002)

F011B7

Pin	Circuit	Circuit function
1	113 (YE/LB)	Starter motor (11002), to: Starter relay (11450)

C197b

14B060
14300

M8
Starter motor
(11002)

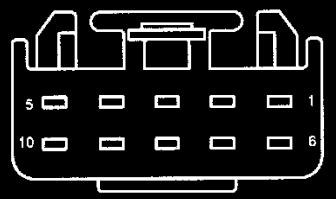
F011B5

Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C202a

14401

N442
Multifunction switch



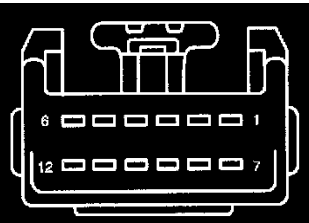
F10042

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Turn signal flasher to turn signal switch
4	–	not used
5	–	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	–	not used

C202b

14401

N442
Multifunction switch



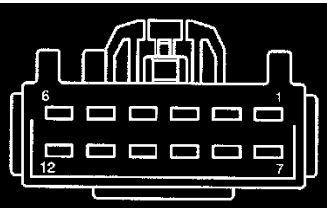
F12075

Pin	Circuit	Circuit function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield washer pump motor (17618)
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly

C205a

14401

N113
Main light switch
(11654)



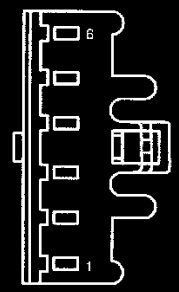
F12107

Pin	Circuit	Circuit function
1	–	not used
2	640 (RD/YE)	Power, Hot in Start or Run
3	–	not used
4	–	not used
5	275 (YE)	Fog lamp relay, control
6	57 (BK)	Ground
7	1399 (DB/WH)	autolamps, On
8	196 (DB/OG)	Voltage supplied at all times (overload protected)
9	15 (RD/YE)	Power, Hot with Headlamps on
10	195 (TN/WH)	Voltage supplied at all times (overload protected)
11	–	not used
12	14 (BN)	Power, Exterior lamps

C205b

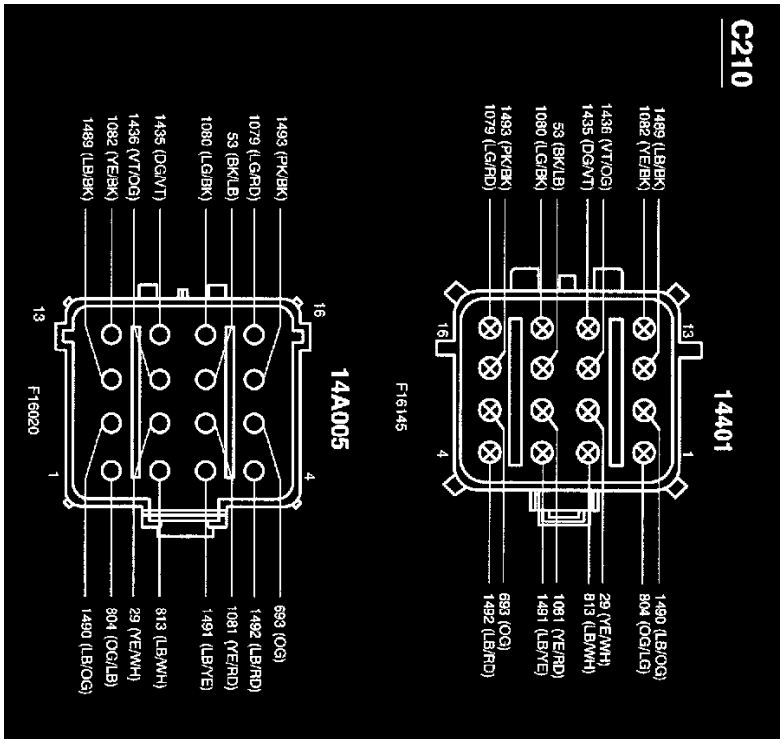
14401

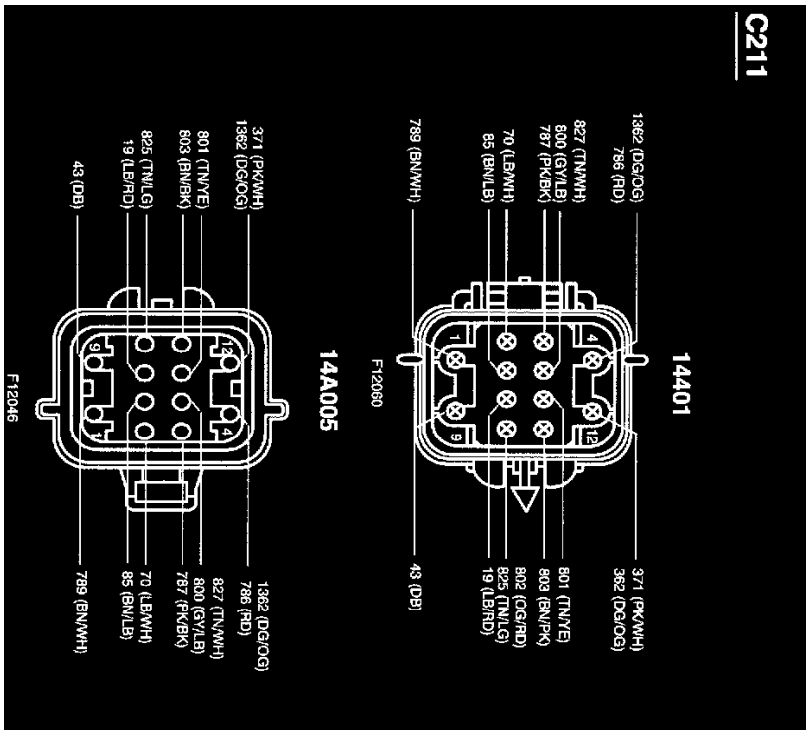
N113
Main light switch
(11654)

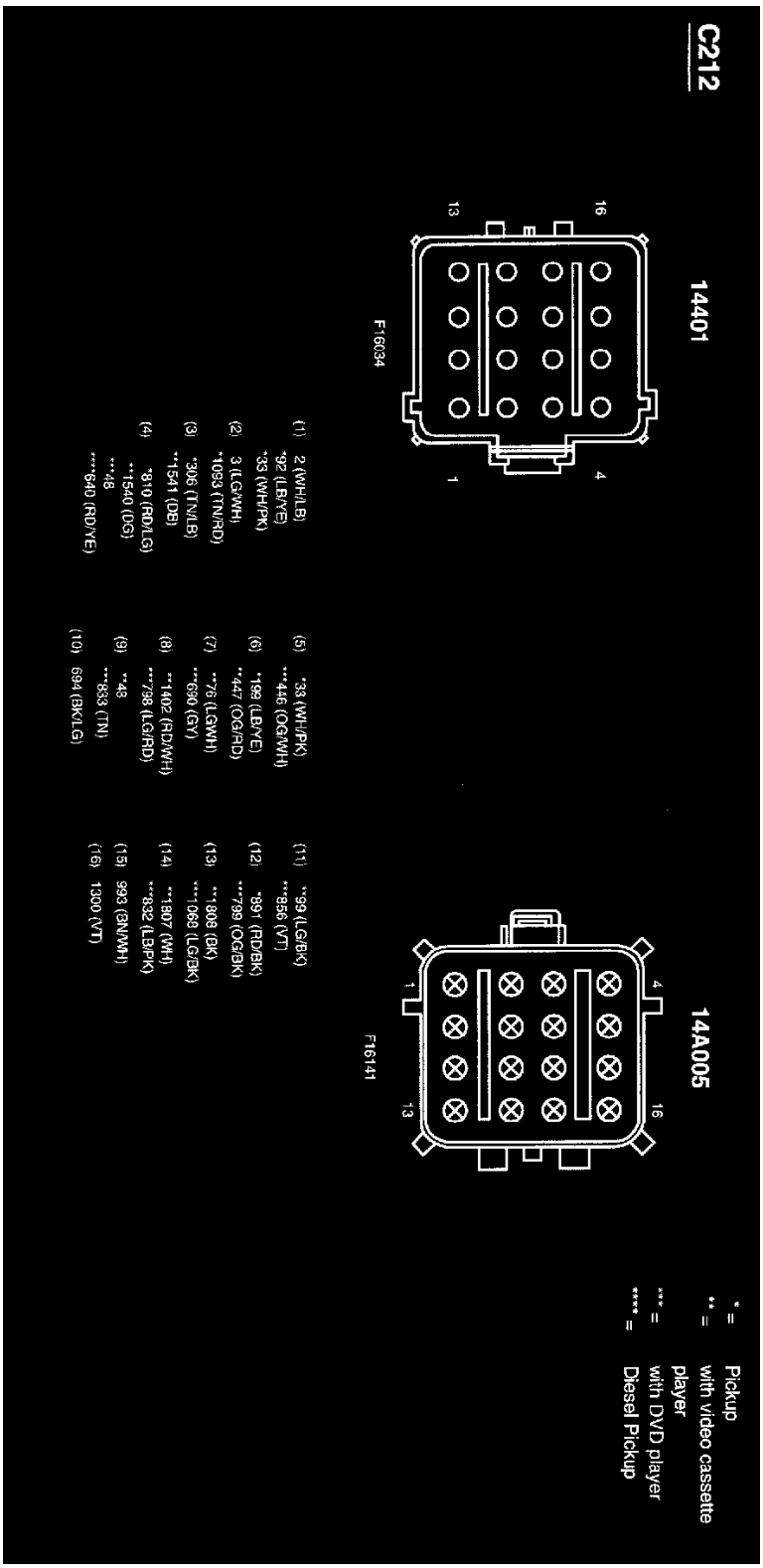


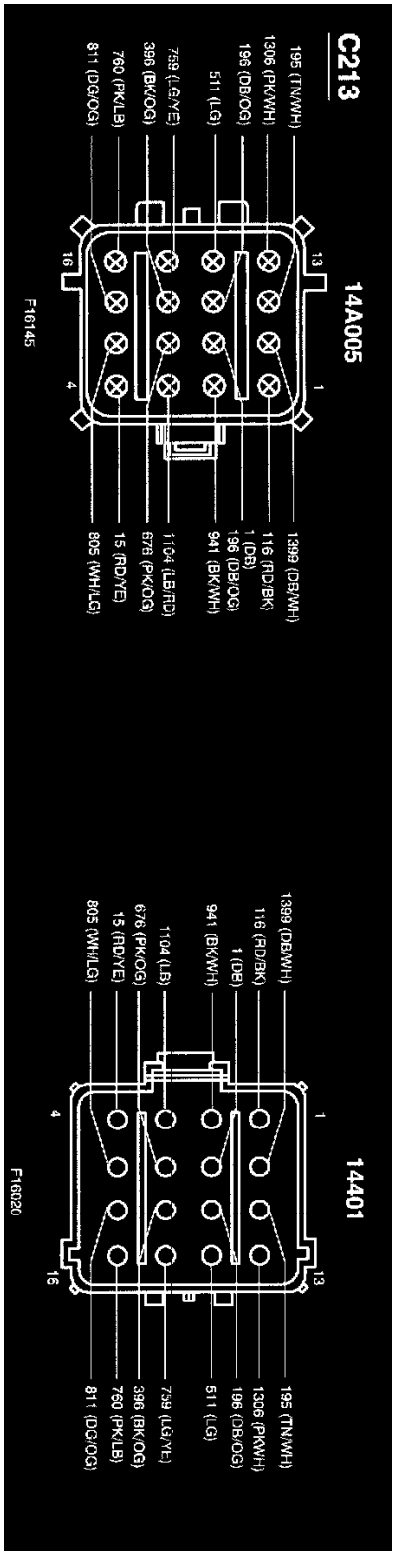
F06209

Pin	Circuit	Circuit function
1	19 (LB/RD)	Illumination +
2	402 (OG/LG)	Interior lamp relay, feed
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	14 (BN)	Power, Exterior lamps


C210
14401
1489 (LB/BK)
1082 (YE/BK)
1436 (VT/OG)
1435 (DG/VT)
53 (BK/LB)
1080 (LG/BK)
1493 (PK/BK)
1079 (LG/RD)
1490 (LB/OG)
804 (OG/LG)
29 (YE/WH)
813 (LB/WH)
1081 (YE/RD)
1491 (LB/YE)
693 (OG)
1492 (LB/RD)
F16145
14A005
1493 (PK/BK)
1079 (LG/RD)
53 (BK/LB)
1080 (LG/BK)
1435 (DG/VT)
1436 (VT/OG)
1082 (YE/BK)
1489 (LB/BK)
693 (OG)
1492 (LB/RD)
1081 (YE/RD)
1491 (LB/YE)
813 (LB/WH)
29 (YE/WH)
804 (OG/LG)
1490 (LB/OG)
F16020


C211
14401
1362 (DG/OG)
786 (RD)
827 (TN/WH)
800 (GY/LB)
787 (PK/BK)
70 (LB/WH)
85 (BN/LB)
789 (BN/WH)
371 (PK/WH)
362 (DG/OG)
801 (TN/YE)
803 (BN/PK)
802 (OG/RD)
825 (TN/LG)
19 (LB/RD)
43 (DB)
F12080
14A005
371 (PK/WH)
1362 (DG/OG)
801 (TN/YE)
803 (BN/BK)
825 (TN/LG)
19 (LB/RD)
43 (DB)
1362 (DG/OG)
786 (RD)
827 (TN/WH)
800 (GY/LB)
787 (PK/BK)
70 (LB/WH)
85 (BN/LB)
789 (BN/WH)
F12046


C212
14401
16
13
4
1
F16034
(1) 2 (WH/LB)
*92 (LB/YE)
*33 (WH/PK)
(2) 3 (LG/WH)
**1093 (TN/RD)
(3) *306 (TN/LB)
**1541 (OB)
(4) *810 (RD/LG)
**1540 (OG)
**48
****640 (RD/YE)
(5) *33 (WH/PK)
****446 (OG/WH)
(6) *198 (LB/YE)
**447 (OG/RD)
(7) **76 (LGWH)
****690 (GY)
(8) **1402 (RD/WH)
****798 (LG/RD)
(9) **48
*****833 (TN)
(10) 694 (BK/LG)
14A005
4
1
16
13
F16141
(11) **99 (LG/BK)
****856 (VT)
(12) *891 (RD/BK)
****799 (OG/BK)
(13) **1808 (BK)
****1068 (LG/BK)
(14) **1807 (WH)
****832 (LB/PK)
(15) 993 (GN/WH)
(16) 1300 (VT)
* = Pickup
** = with video cassette player
*** = with DVD player
**** = Diesel Pickup


C213
14A005
195 (TN/WH)
1306 (PK/WH)
196 (DB/OG)
511 (LG)
759 (LG/YE)
396 (BK/OG)
760 (PK/LB)
811 (DG/OG)
1399 (DB/WH)
116 (RD/BK)
1 (DB)
196 (DB/OG)
941 (BK/WH)
1104 (LB/RD)
678 (PK/OG)
15 (RD/YE)
805 (WH/LG)
13
1
16
4
F16145
14401
1399 (DB/WH)
116 (RD/BK)
1 (DB)
941 (BK/WH)
1104 (LB)
678 (PK/OG)
15 (RD/YE)
805 (WH/LG)
195 (TN/WH)
1306 (PK/WH)
196 (DB/OG)
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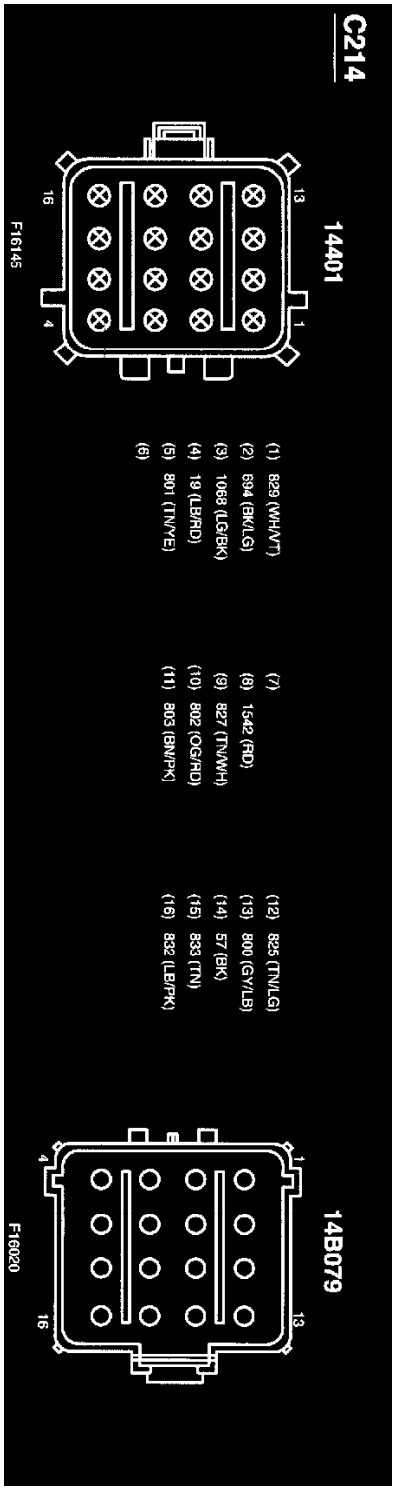
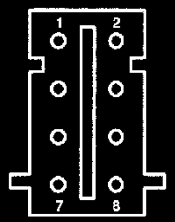
759 (LG/YE)
396 (BK/OG)
760 (PK/LB)
811 (DG/OG)
1
13
4
16
F16020


C214
14401
13
16
1
4
F16145
(1) 829 (WH/VT)
(2) 694 (BK/LG)
(3) 1068 (LG/BK)
(4) 19 (LB/RD)
(5) 801 (TN/YE)
(6)
(7)
(8) 1542 (RD)
(9) 827 (TN/WH)
(10) 802 (OG/RD)
(11) 803 (BN/PK)
(12) 825 (TN/LG)
(13) 800 (GY/LB)
(14) 57 (BK)
(15) 833 (TN)
(16) 832 (LB/PK)
14B079
1
4
13
16
F16020

C218a

14401

P140
Air bag sliding contact (14A664)



F08245

Pin	Circuit	Circuit function
1	1070 (BN/LB)	Audio/climate control switch, Climate Control System, signal
2	595 (LB/RD)	Auxiliary audio controls, steering wheel
3	151 (LB/BK)	Speed control switch, input
4	1 (DB)	Horn relay, control
5	19 (LB/RD)	Illumination +
6	848 (DG/OG)	Signal return – gasoline engines
	359 (GY/RD)	Signal return – Diesel
7	57 (BK)	Ground
8	158 (BK/PK)	Key warning switch (11A127), input

C218b (BN)

14401

P140
Air bag sliding contact (14A664)

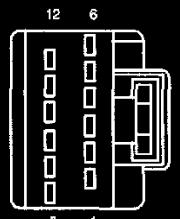
F03145

Pin	Circuit	Circuit function
1	615 (GY/WH)	Driver air bag, return
2	–	not used
3	614 (GY/OG)	Driver air bag, feed, monitor

C220a

14401

A30
Instrument cluster



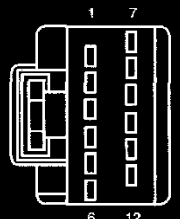
F12077

Pin	Circuit	Circuit function
1	914 (TN/OG)	SCP Bus +
2	915 (PK/LB)	SCP Bus –
3	29 (YE/WH)	Fuel pump/fuel gauge sender
4	396 (BK/OG)	Fuel sender, logic ground
5	3 (LG/WH)	Left turn, signal
6	142 (LB/RD)	Air filter sensor – Diesel only
7	693 (OG)	UBP Diagnostics
8	402 (OG/LG)	Interior lamp relay, control
9	–	not used
10	–	not used
11	789 (BN/WH)	Fuel Tank Selector, indicator
12	1010 (DB/OG)	Rear window defrost switch (18578), input

C220b

14401

A30
Instrument cluster



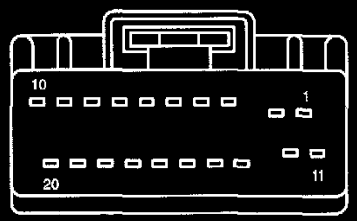
F12077

Pin	Circuit	Circuit function
1	759 (LG/YE)	Door ajar switch
2	760 (PK/LB)	Door ajar switch
3	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
4	975 (BN/YE)	Four–wheel drive, high/low
5	210 (LB)	Four–wheel drive, high/low
6	85 (BN/LB)	Safety belt buckle switch (10B924), input
7	688 (GY/LB)	Rear window defrost relay, control
8	1332 (LB)	Accessory delay relay, control
9	158 (BK/PK)	Key warning switch (11A127), input
10	1083 (LB/BK)	Air bag, tone driver
11	162 (LG/RD)	Parking brake switch (15A851)
12	904 (LG/RD)	Generator/Battery indicator, control

C220c

14401

A30
Instrument cluster



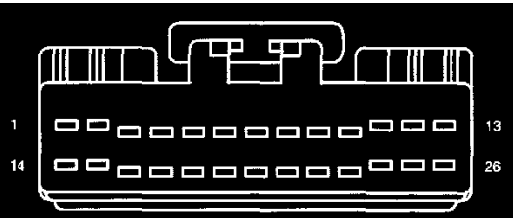
F20020

Pin	Circuit	Circuit function
1	54 (LG/YE)	feed, from, Battery saver relay
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	1269 (OG/RD)	Anti–theft ON indicator, control
4	2 (WH/LB)	Right turn, signal
5	12 (LG/BK)	High beam indicator
6	45 (YE/RD)	Coolant temperature sensor Diesel only
7	39 (RD/WH)	Coolant temperature sensor Diesel only
8	31 (WH/RD)	Engine oil pressure indicator, control
9	512 (TN/LG)	Brake indicator, control
10	531 (DG/YE)	Brake fluid level switch (2L414), signal
11	705 (LG/OG)	Voltage supplied at all times (overload protected)
12	785 (BK/LG)	Voltage supplied at all times (overload protected)
13	676 (PK/OG)	logic ground
14	608 (BK/YE)	Air bag indicator, control
15	57 (BK)	Ground
16	19 (LB/RD)	Illumination +
17	203 (OG/LB)	Cruise set, indicator, control
18	603 (DG)	Anti–lock brake indicator, control
19	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
20	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)

C228a

14401

A205
Electronic Automatic Temperature Control (EATC) module (19980)



F26015

Pin	Circuit	Circuit function
1	–	not used
2	676 (PK/OG)	logic ground
3	752 (YE/RD)	Blower motor speed controller, Signal return
4	436 (RD/LG)	Blend door actuator, position sense +
5	1070 (BN/LB)	to heater/A/C controls, in steering wheel
6	–	not used
7	3061 (LB/OG)	Ambient air temperature sensor (19E702) +
8	–	not used
9	1112 (WH/LB)	Remote solenoid assembly, common
10	261 (OG/BK)	Blower motor, High
11	1111 (VT)	Remote solenoid assembly, control
12	1110 (LG/VT)	Remote solenoid assembly, control
13	1107 (WH)	Remote solenoid assembly, control
14	19 (LB/RD)	A/C demand signal, feed
15	–	not used
16	754 (LG/WH)	Blower motor speed controller, command
17	–	not used
18	–	not used
19	790 (WH/OG)	Temperature, Vehicle interior +
20	217 (DB/OG)	Sunload sensor (19E663), signal
21	437 (YE/LG)	Blend door actuator, position sense, monitor
22	–	not used
23	399 (BN/YE)	Blower motor relay, control
24	–	not used
25	1109 (OG/BK)	Remote solenoid assembly, control
26	1108 (TN/WH)	Remote solenoid assembly, control

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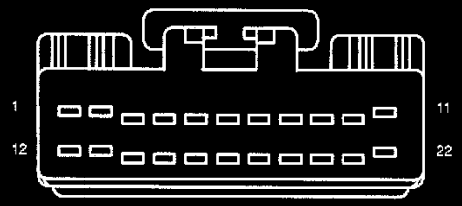
C228b

14401

A205
Electronic Automatic Temperature Control (EATC) module (19980)



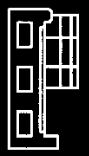
F22017

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	693 (OG)	UBP Diagnostics
4	–	not used
5	470 (PK/BK)	Sensor signal return (reference/ground)
6	438 (RD/WH)	Blend door actuator, signal –
7	–	not used
8	–	not used
9	–	not used
10	–	not used
11	22 (LB/BK)	Voltage supplied at all times (overload protected)
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used
17	–	not used
18	348 (VT)	A/C demand signal
19	250 (OG)	Blend door actuator, control
20	249 (DB/LG)	Blend door actuator, control
21	–	not used
22	296 (WH/VT)	Voltage in Run (overload protected)

C233

14401

B206
In-vehicle temperature sensor (19C734)



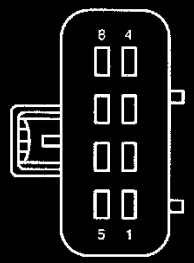
F03032

Pin	Circuit	Circuit function
1	790 (WH/OG)	signal from Electronic Automatic Temperature Control (EATC) module (19980)
2	–	not used
3	470 (PK/BK)	Sensor signal return (reference/ground)

C241

14401

N10
Rear window defrost switch (18578)



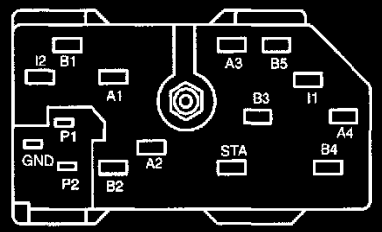
F08060

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	1010 (DB/OG)	Rear window defrost switch (18578), input
3	–	not used
4	57 (BK)	Illumination Ground
5	–	not used
6	59 (DG/VT)	Fused rear window defrost relay, switched power
7	–	not used
8	19 (LB/RD)	Illumination +

C250

14401

N278
Ignition switch (11572)



F15014

Pin	Circuit	Circuit function
A1	964 (DB/LG)	fused feed, Accessory
A2	–	not used
A3	1040 (RD/BK)	Voltage in Run (overload protected)
A4	687 (GY/YE)	Voltage in Run (overload protected)
B1	37 (YE)	Voltage supplied at all times (overload protected)
B2	–	not used
B3	37 (YE)	Voltage supplied at all times (overload protected)
B4	1050 (LG/VT)	Voltage supplied at all times (overload protected)
B5	325 (DB/OG)	Voltage supplied at all times (overload protected)
I1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
I2	–	not used
P1	–	not used
P2	–	not used
STA	1522 (DG)	Voltage supplied in Start (overload protected)
GND	–	not used

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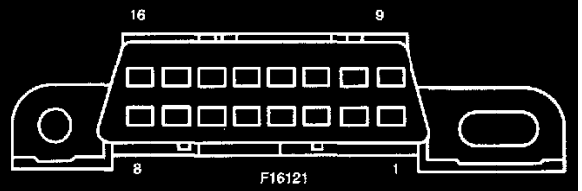
C251

14401

D20
Data Link Connector
(DLC) (14489)

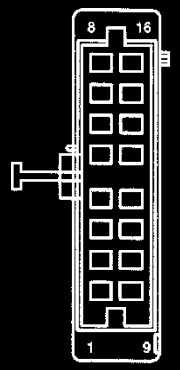


Pin	Circuit	Circuit function
1	–	not used
2	914 (TN/OG)	SCP Bus +
3	693 (OG)	UBP Diagnostics
4	57 (BK)	Ground
5	570 (BK/WH)	Ground
6	–	not used
7	70 (LB/WH)	ISO Bus
8	–	not used
9	–	not used
10	915 (PK/LB)	SCP Bus –
11	–	not used
12	–	not used
13	107 (VT)	Module programming signal
14	–	not used
15	–	not used
16	40 (LB/WH)	Voltage supplied at all times (overload protected)

C252

14401

A102
Passive anti-theft
transceiver module
(15607)



Pin	Circuit	Circuit function
1	1215 (WH/LG)	TX signal
2	1269 (OG/RD)	Anti–Theft indicator
3	–	not used
4	915 (PK/LB)	Standard Corporate Protocol (SCP) data –
5	914 (TN/OG)	Standard Corporate Protocol (SCP) data +
6	165 (TN/WH)	TX –
7	–	not used
8	22 (LB/BK)	Voltage supplied at all times (overload protected)
9	1216 (GY/OG)	RX signal
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	676 (PK/OG)	Ground
15	1266 (RD/YE)	Voltage, ignition switch in Start or Run (overload protected electronic module)
16	–	not used

C254
14401

E28
Glove box lamp
(14413)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	54 (LG/YE)	Battery saver relay, switched power, output

C256
14401

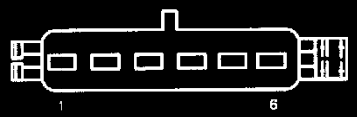
A43
Passenger air bag
module (15044A74)

Pin	Circuit	Circuit function
1	616 (PK/BK)	Passenger air bag, return
2	–	not used
3	607 (LB/OG)	Passenger air bag, feed, monitor

C257

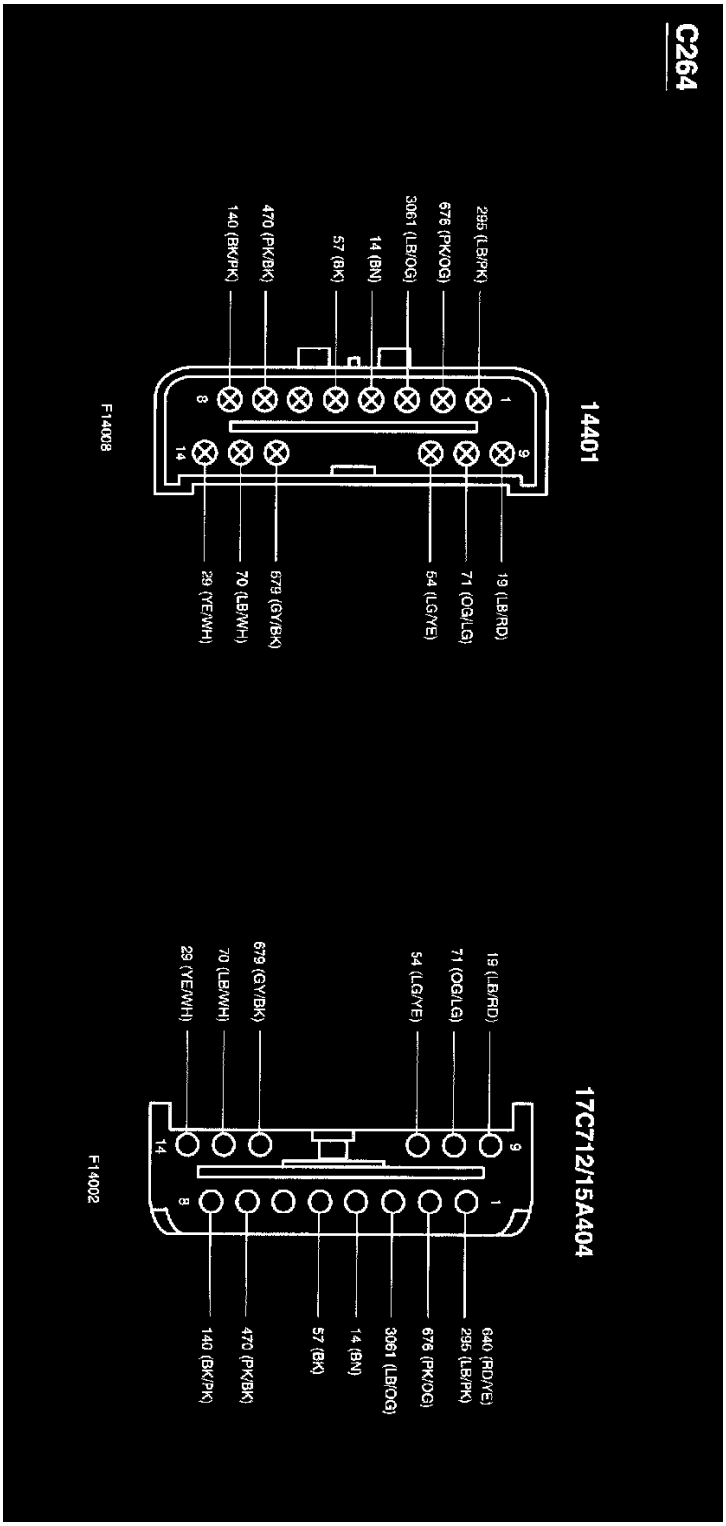
14A005

N81
Clutch Pedal
Position Switch



F06084

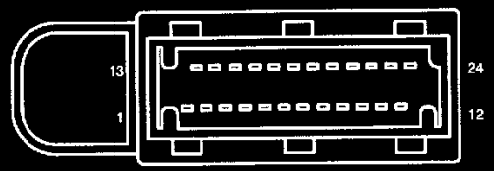
Pin	Circuit	Circuit function
1	92 (LB/YE)	Voltage supplied in Start (overload protected)
2	1093 (TN/RD)	switched power, to starter motor relay
3	306 (TN/LB)	speed control, Deactivator switch
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
	810 (RD/LG)	Voltage supplied in Start and Run (overload protected) – Diesel
5	33 (WH/PK)	Voltage supplied in Start (overload protected)
6	199 (LB/YE)	Clutch pedal position switch, to, Powertrain Control Module (PCM) (12A650)


C264
14401
295 (LB/PK)
676 (PK/OG)
3061 (LB/OG)
14 (BN)
57 (BK)
470 (PK/BK)
140 (BK/PK)
19 (LB/RD)
71 (OG/LG)
54 (LG/YE)
679 (GY/BK)
70 (LB/WH)
29 (YE/WH)
F14008
17C712/15A404
940 (RD/YE)
295 (LB/PK)
676 (PK/OG)
3061 (LB/OG)
14 (BN)
57 (BK)
470 (PK/BK)
140 (BK/PK)
19 (LB/RD)
71 (OG/LG)
54 (LG/YE)
679 (GY/BK)
70 (LB/WH)
29 (YE/WH)
F14002

C270a

14401

P91
Central Junction
Box (CJB) (14A068)



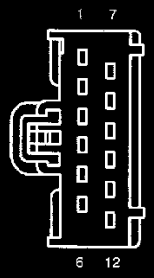
F32003

Pin	Circuit	Circuit function
1	54 (LG/YE)	Accessory delay, switched power input
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	33 (WH/PK)	switched power, to starter solenoid
5	296 (WH/VT)	Voltage in Run (overload protected)
6	–	not used
7	1306 (PK/WH)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
8	640 (RD/YE)	Power (Start or Run)
9	688 (GY/LB)	Voltage supplied in Start and Run (overload protected)
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	399 (BN/YE)	Blower motor relay, control
	296 (WH/VT)	Voltage, hot in run only
12	57 (BK)	Ground
	399 (BN/YE)	Blower motor relay, control
13	12 (LG/BK)	Switched, Ground
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Battery saver relay, switched power
16	294 (WH/LB)	Voltage supplied in Start and Run (overload protected)
17	276 (BN)	Blower motor relay, control
18	609 (OG/YE)	Voltage supplied at all times (overload protected)
19	1 (DB)	Horn relay, control
20	–	not used
21	295 (LB/PK)	electronic cluster, Accessory, feed
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Window safety relay, switched output
24	829 (WH/VT)	Voltage supplied at all times (overload protected)

C270b

14401

P91
Central Junction
Box (CJB) (14A068)



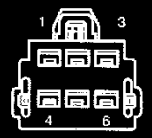
F12137

Pin	Circuit	Circuit function
1	–	not used
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	9 (LG/OG)	Turn lamps, feed, left rear
4	1266 (RD/YE)	Hot in Start or Run
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied at all times (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Park lamp relay – fused feed
11	5 (OG/LB)	Turn lamps, feed, right rear
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270c

14401

P91
Central Junction
Box (CJB) (14A068)



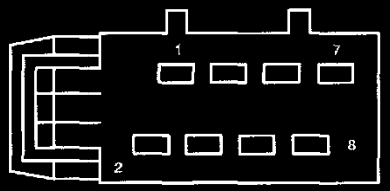
F06267

Pin	Circuit	Circuit function
1	1050 (LG/VT)	Voltage supplied at all times (overload protected)
2	37 (YE)	Voltage supplied at all times (overload protected)
3	1040 (RD/BK)	Voltage in Run (overload protected)
4	964 (DB/LG)	fused feed, Accessory
5	687 (GY/YE)	Voltage in Run (overload protected)
6	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C270d

14401

P91
Central Junction
Box (CJB) (14A068)



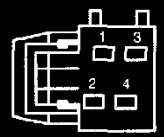
F08112

Pin	Circuit	Circuit function
1	1542 (RD)	Voltage supplied at all times (overload protected)
2	–	not used
3	1567 (RD/LB)	Voltage supplied at all times (overload protected), to, Adjustable pedal switch
4	364 (BK/LG)	Voltage supplied at all times (overload protected), to, Auxiliary A/C relay
5	797 (LG/VT)	Voltage supplied at all times (overload protected)
6	–	not used
7	40 (LB/WH)	Cigar lighter, feed
8	59 (DG/VT)	fused feed, to, Rear window defrost switch (18578)

C270e

14401

P91
Central Junction Box (CJB)
(14A068)



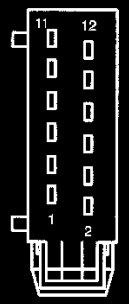
F04140

Pin	Circuit	Circuit function
1	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
4	325 (DB/OG)	Starter relay (11450), control

C270f (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



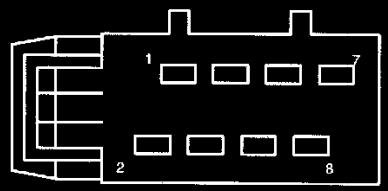
F12056

Pin	Circuit	Circuit function
1	140 (BK/PK)	Voltage supplied in reverse
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	533 (TN/RD)	Voltage supplied at all times (overload protected)
5	57 (BK)	Ground
6	1093 (TN/RD)	Power, Hot in Start with Park or Neutral
7	54 (LG/YE)	Voltage supplied at all times (overload protected)
8	–	not used
9	–	not used
10	926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270g (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



F08112

Pin	Circuit	Circuit function
1	–	not used
2	113 (YE/LB)	Starter motor (11002), to, Starter relay (11450)
3	–	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	22 (LB/BK)	Brake feed
6	181 (BN/OG)	Voltage supplied at all times (overload protected)
7	729 (RD/WH)	Voltage supplied at all times (overload protected)
8	876 (DG/LG)	Power, from, Injector Driver Module (IDM) power relay

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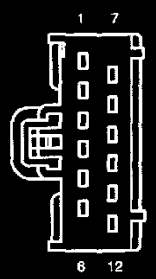
C270h

12A581

P91
Central Junction
Box (CJB) (14A068)

* = automatic transmission
** = Diesel only
*** = gasoline engines



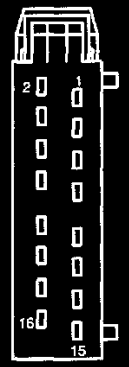
F12137

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	478 (TN/OG)	Fog lamp switch, to rear fog lamp
3	14 (BN)	Power, Exterior lamps
4	814** (WH/BK)	Injector Driver Module (IDM) power relay, control
5	361 (RD)	Voltage supplied in Start and Run (overload protected)
6	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	33 (WH/PK)*	switched power, to starter solenoid
9	6 (YE/LG)	Horn relay, switched power, output
10	238 (DG/YE)***	Fuel pump relay, switched power, output
11	326 (WH/VT)	Central Junction Box (CJB) (14A068), to, Ignition relay
12	554 (YE/BK)	Voltage supplied at all times (overload protected)

C270j

14A005

P91
Central Junction
Box (CJB) (14A068)



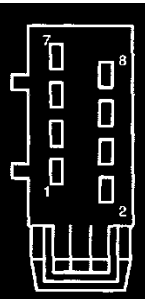
F16046

Pin	Circuit	Circuit function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	–	not used
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	–	not used
5	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
6	–	not used
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps
8	297 (BK/LG)	Voltage in Run or Accessory (overload protected)
9	–	not used
10	140 (BK/PK)	Voltage supplied in reverse
11	194 (PK)	Window safety relay, switched output
12	14 (BN)	Power, Exterior lamps
13	–	not used
14	295 (LB/PK)	electronic cluster, Accessory, feed
15	962 (BN/WH)	Trailer tow relay, switched output
16	54 (LG/YE)	Voltage supplied at all times (overload protected)

C270k

14A005

P91
Central Junction
Box (CJB) (14A068)



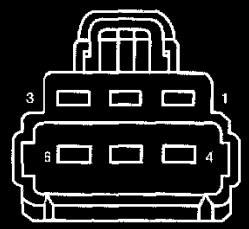
F08112

Pin	Circuit	Circuit function
1	1362 (DG/OG)	Rear Electronic Module (REM), to, Left, Backup Lamps, control
2	1544 (OG)	Voltage supplied at all times (overload protected), to, Power point, rear (19G247)
3	186 (BN/LB)	Rear defrost
4	49 (OG)	Voltage in Run (overload protected)
5	59 (DG/VT)	Heated mirrors
6	1153 (RD/BK)	Voltage supplied at all times (overload protected)
7	1543 (YE)	Voltage supplied at all times (overload protected), to, Power point, C pillar (19N236)
8	–	not used

C270l

14A005

P91
Central Junction
Box (CJB) (14A068)



F06291

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	406 (BN/WH)	Rear wiper motor assembly
4	51 (BK/WH)	Multifunction switch, Voltage: Ignition switch in Start
5	566 (DG)	Voltage supplied at all times (overload protected)
6	400 (LB/BK)	Accessory relay, switched power, output

C270m

14401

P91
Central Junction Box (CJB) (14A068)

Pin	Circuit	Circuit function
1	–	not used
2	704 (DG/LG)	Voltage supplied at all times (overload protected)
3	532 (OG/YE)	Voltage supplied at all times (overload protected)
4	–	not used
5	–	not used
6	65 (DG)	Voltage supplied at all times (overload protected), to, Windshield wiper motor (17508)

C270p

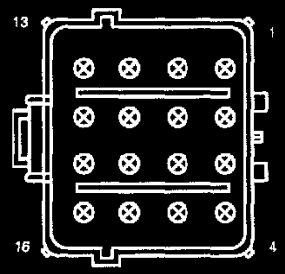
14300

P91
Central Junction Box (CJB) (14A068)

Pin	Circuit	Circuit function
1	2037 (RD)	Battery Power

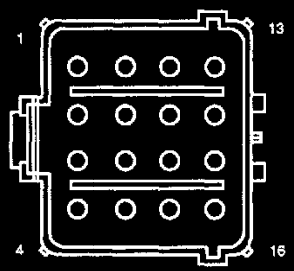
C275

14401



F16087

14B079



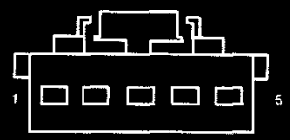
F16020

(1) 1562 (YE)
(2) 1561 (OG)
(3) 1560 (WH)
(4) 1559 (RD)
(5) 48
(6) 1541 (DB)
(7) 1808 (BK)
(8) 1807 (WH)
(9) 57 (BK)
(10) 76 (LG/WH)
(11) 99 (LG/BK)
(12) 48
(13) 1564 (RD)
(14) 1540 (DG)
(15) 1402 (RD/WH)
(16) 891 (RD/BK)

C278

14401

N82
Brake pedal position switch (13480)



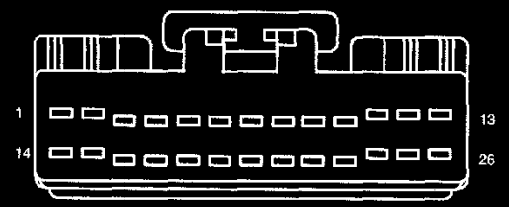
F05145

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	511 (LG)	Brake pedal position switch (13480), to stoplamps
5	10 (LG/RD)	Voltage supplied at all times (overload protected)

C281a

14401

A255
Four–wheel drive
control module



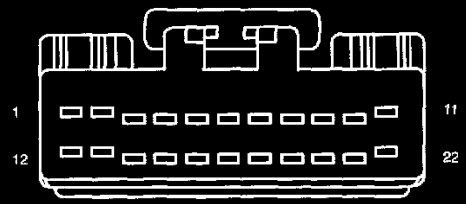
F26015

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	–	not used
7	–	not used
8	–	not used
9	870 (VT/YE)	encoder Ground return
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used
17	–	not used
18	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
19	–	not used
20	–	not used
21	–	not used
22	–	not used
23	–	not used
24	–	not used
25	70 (LB/WH)	ISO Bus
26	57 (BK)	Ground

C281b

14401

A255
Four–wheel drive
control module



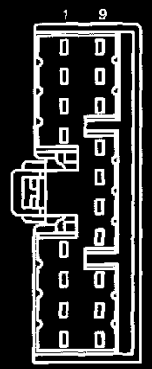
F22017

Pin	Circuit	Circuit function
1	463 (RD/WH)	Neutral, switch sense, input
2	–	not used
3	780 (DB)	Four–wheel drive control module, to, Four–wheel drive switch
4	465 (WH/LB)	ESOF, Reference voltage
5	976 (OG)	Power to encoder
6	605 (RD)	Shift solenoid 4x2
7	145 (GY/BK)	Shift solenoid 4x4
8	975 (BN/YE)	Four–wheel drive Low indicator, control
9	210 (LB)	Four–wheel drive High indicator, control
10	782 (BN/WH)	Transfer case low to high relay, control
11	781 (OG/LB)	Transfer case high to low relay, control
12	810 (RD/LG)	Brake pedal position switch (13480), input
13	–	not used
14	–	not used
15	771 (VT/YE)	Motor position 5
16	763 (OG/WH)	Motor position 2
17	764 (BN/WH)	Motor position 3
18	770 (WH)	Motor position 4
19	–	not used
20	–	not used
21	–	not used
22	–	not used

C281c

14401

A255
Four–wheel drive control module



F18021

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	33 (WH/PK)	Voltage supplied in Start (overload protected)
5	22 (LB/BK)	Voltage supplied at all times (overload protected)
6	–	not used
7	–	not used
8	–	not used
9	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
10	–	not used
11	22 (LB/BK)	Voltage supplied at all times (overload protected)
12	–	not used
13	–	not used
14	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
15	–	not used
16	–	not used
17	–	not used
18	–	not used

C284

14401

N141
Four–wheel drive switch

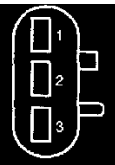
F04027

Pin	Circuit	Circuit function
1	19 (LB/RD)	Illumination +
2	780 (DB)	Four–wheel drive control module, to, Four–wheel drive switch
3	465 (WH/LB)	Four–wheel drive control module, to, Four–wheel drive switch
4	57 (BK)	Ground

C286

14401

B72
Sunload sensor
(19E663)



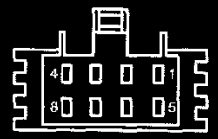
F03197

Pin	Circuit	Circuit function
1	217 (DB/OG)	signal to Electronic Automatic Temperature Control (EATC) module (19980)
2	57 (BK)	Ground
	676 (PK/OG)	Ground
3	1104 (LB)	signal to Vehicle Security Module (VSM)

C289

14401

M256
Temperature blend door
actuator (19E616)



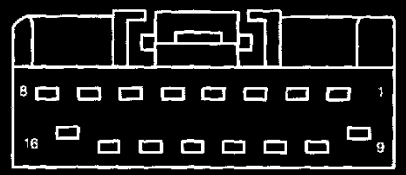
F08059

Pin	Circuit	Circuit function
1	437 (YE/LG)	Air temperature door variable resistor, wiper, with Electronic Automatic Temperature Control (EATC)
	–	not used, manual A/C
2	–	not used
3	437 (YE/LG)	Air temperature door variable resistor, wiper, manual A/C
	–	not used, with Electronic Automatic Temperature Control (EATC)
4	436 (RD/LG)	Air temperature door variable resistor –, manual A/C
	–	not used, with Electronic Automatic Temperature Control (EATC)
5	436 (RD/LG)	Air temperature door variable resistor, –, with Electronic Automatic Temperature Control (EATC)
	–	not used, manual A/C
6	438 (RD/WH)	Air temperature door variable resistor, +
7	249 (DB/LG)	Blend door actuator, CW, with Electronic Automatic Temperature Control (EATC)
	296 (WH/VT)	Voltage, hot in run only, manual A/C
8	250 (OG)	Blend door actuator, CCW, with Electronic Automatic Temperature Control (EATC)
	57 (BK)	Ground, manual A/C

C290a

14401

A11
Radio (18806)



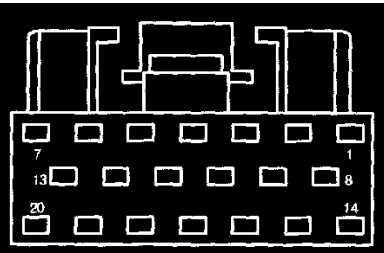
F16071

Pin	Circuit	Circuit function
1	19 (LB/RD)	Illumination +
2	57 (BK)	Instrument illumination, Ground
3	1000 (RD/BK)	Voltage supplied in Start (overload protected)
4	–	not used
5	802 (OG/RD)	Rear Integrated Control Panel (RICP) (19980) – Highline audio or Pickup
	825 (TN/OG)	Speaker, right rear (18808) – Base audio
6	803 (BN/PK)	Speaker, right rear (18808) –
7	805 (WH/LG)	Speaker, right front (18808) +
8	811 (DG/OG)	Speaker, right front (18808) –
9	797 (LG/VT)	Voltage supplied at all times (overload protected)
10	194 (PK)	Power, Accessory delay
11	694 (BK/LG)	Ground
12	800 (GY/LB)	Rear Integrated Control Panel (RICP) (19980) – Highline audio or Pickup
	827 (TN/WH)	Speaker, left rear (18808) – Base audio
13	801 (TN/YE)	Speaker, left rear (18808) –
14	804 (OG/LG)	Speaker, left front (18808) +
15	813 (LB/WH)	Speaker, left front (18808) –
16	694 (BK/LG)	Ground

C290b

14401

A11
Radio (18806)



F20023

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	1068 (LG/BK)	Audio System ON (ASYSON)
6	832 (LB/PK)	Audio corporate protocol A
7	833 (TN)	Audio corporate protocol B
8	–	not used
9	679 (GY/BK)	Vehicle Speed Sensor (VSS)
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	595 (LB/RD)	Auxiliary audio controls, steering wheel
15	–	not used
16	48	Drain wire
17	690 (GY)	Audio signal positive Right to Video System
	1561 (OG)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Right +
18	799 (OG/BK)	Audio signal negative Right to Video System
	1562 (YE)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Right –
19	856 (VT)	Audio signal positive Left to Video System
	1559 (RD)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Left +
20	798 (LG/RD)	Audio signal negative Left to Video System
	1560 (WH)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Left –

C294a

14401

P82
Function selector switch assembly, front

Pin	Circuit	Circuit function
1	296 (WH/VT)	Fused accessory relay, switched power, output
2	348 (VT)	A/C demand signal
3	399 (BN/YE)	Blower motor relay, control
4	57 (BK)	Ground

C294b

14401

P82
Function selector switch assembly, front

Pin	Circuit	Circuit function
1	19 (LB/RD)	Illumination +
2	57 (BK)	Ground

C294c

14401

P82
Function selector switch assembly, front

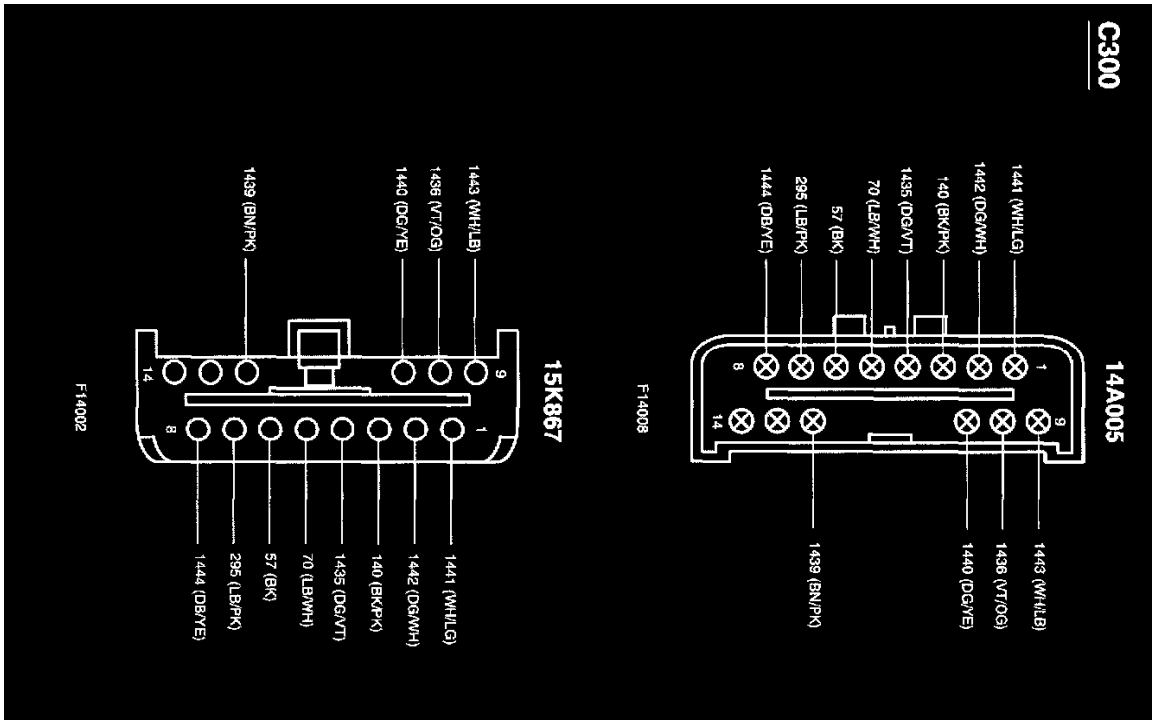
Pin	Circuit	Circuit function
1	261 (OG/BK)	Blower motor, to switch – High
2	754 (LG/WH)	Blower switch speed control, to resistor
3	57 (BK)	Ground
4	752 (YE/RD)	Blower switch speed control, to resistor

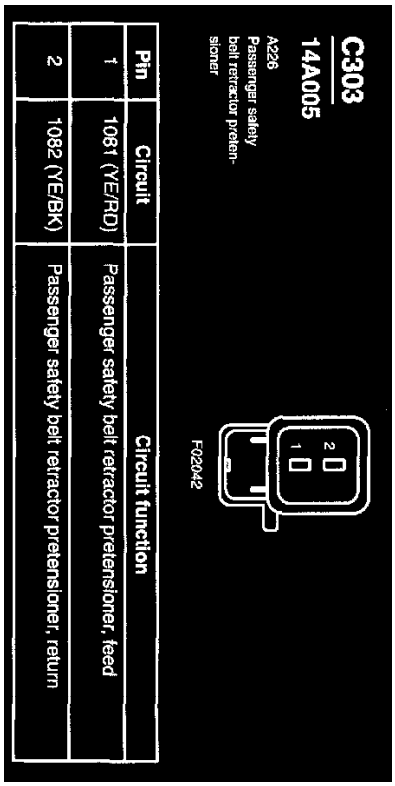
C294d

14401

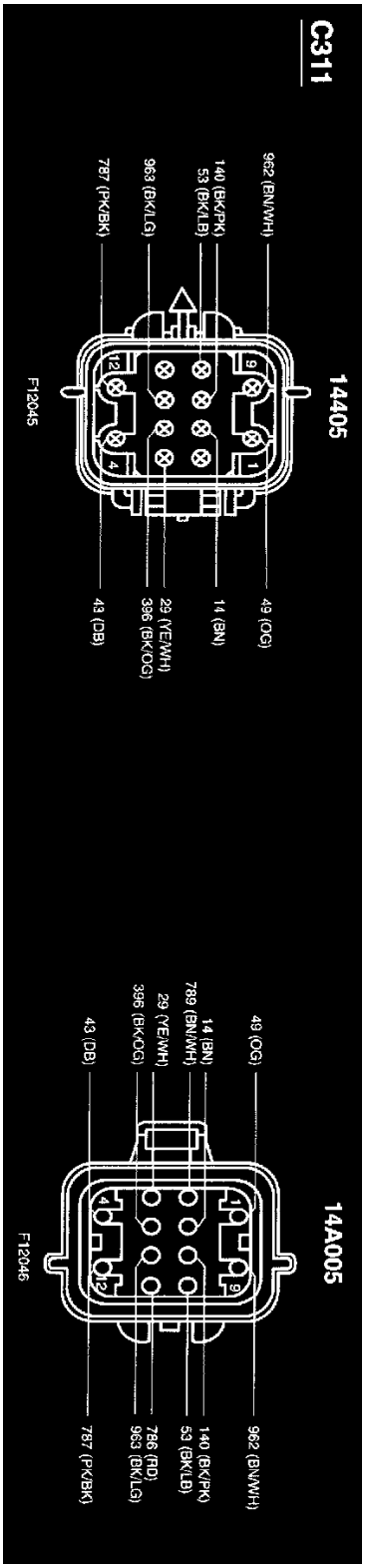
P82
Function selector switch assembly, front

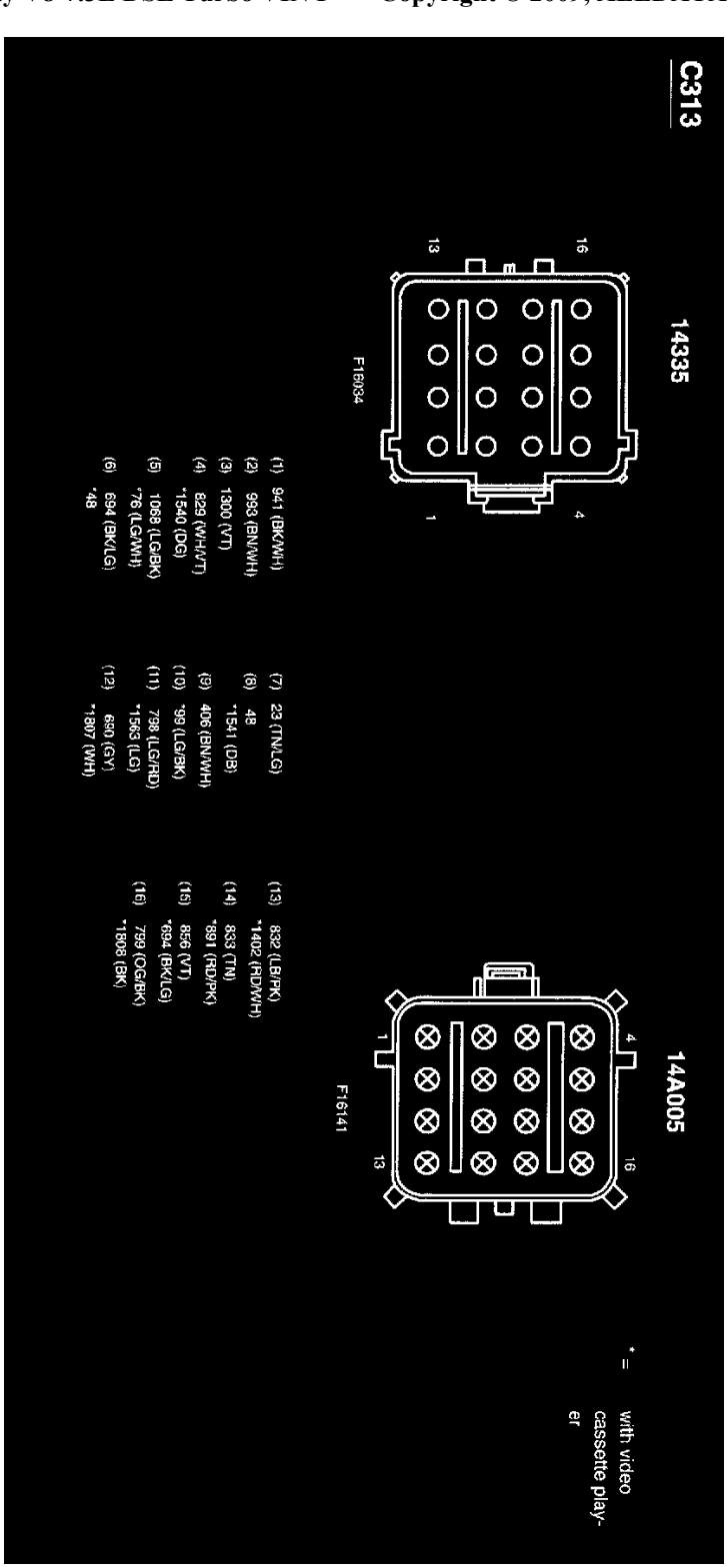
Pin	Circuit	Circuit function
1	436 (RD/LG)	Air temperature door variable resistor +
2	437 (YE/LG)	Air temperature door variable resistor, wiper
3	438 (RD/WH)	Air temperature door variable resistor –

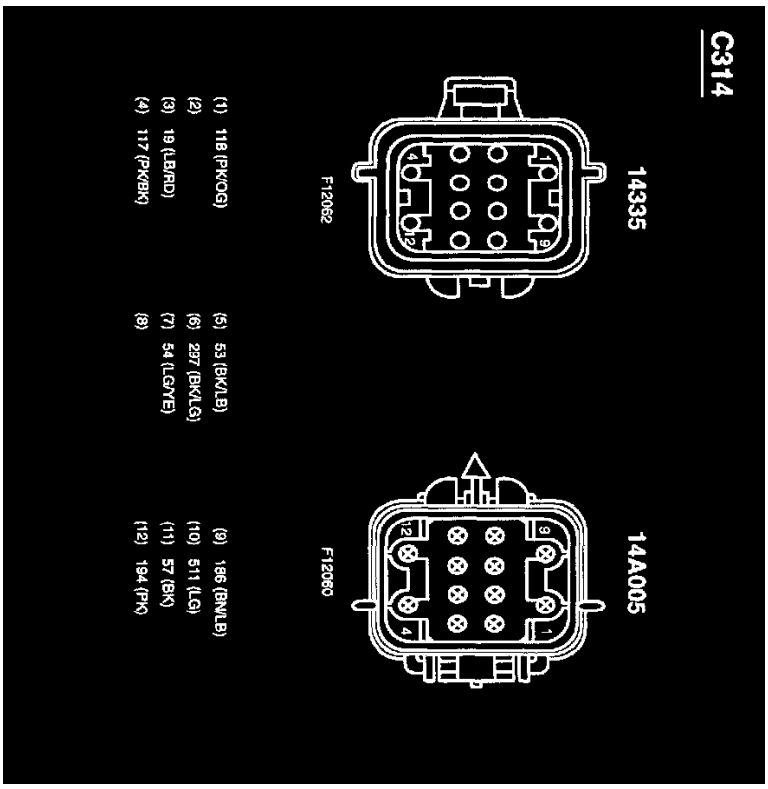


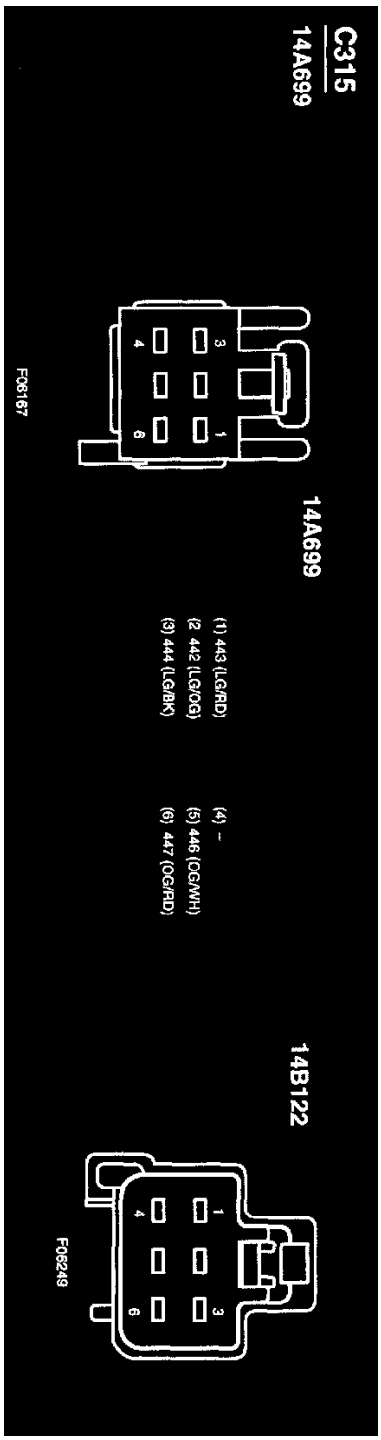


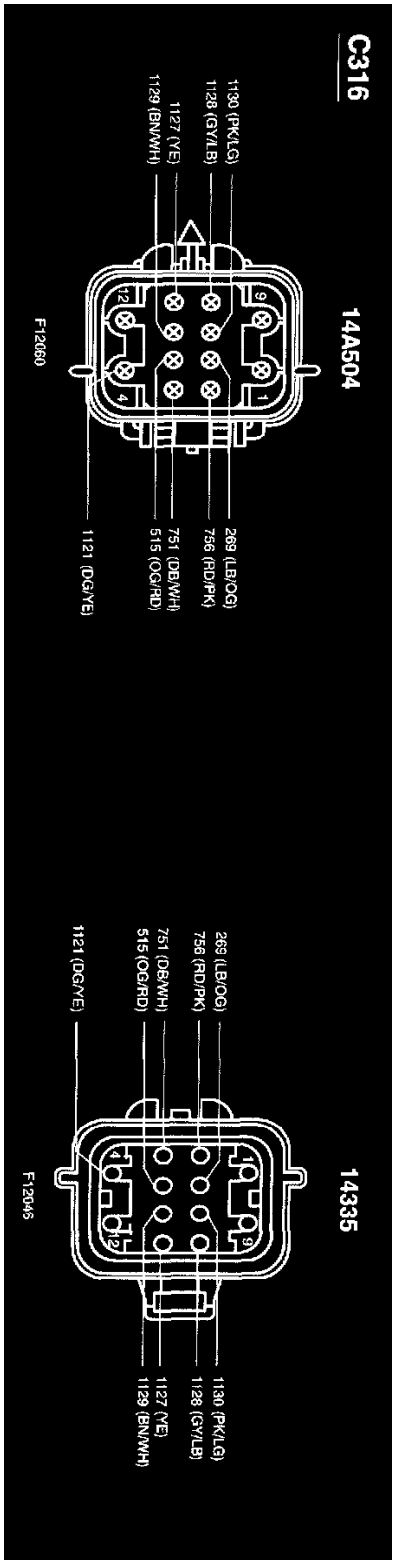
Pin	Circuit	Circuit function
1	1081 (YE/RD)	Passenger safety belt retractor pretensioner, feed
2	1082 (YE/BK)	Passenger safety belt retractor pretensioner, return


C311
14405
962 (BN/WH)
140 (BK/PK)
53 (BK/LB)
963 (BK/LG)
787 (PK/BK)
49 (OG)
14 (SN)
29 (YE/WH)
396 (BK/OG)
43 (DB)
F12045
14A005
49 (OG)
14 (BN)
789 (BN/WH)
29 (YE/WH)
396 (BK/OG)
43 (DB)
962 (BN/WH)
140 (BK/PK)
53 (BK/LB)
786 (RD)
963 (BK/LG)
787 (PK/BK)
F12046


C313
14335
16
13
4
1
F16934
(1) 941 (BK/WH)
(2) 993 (BN/WH)
(3) 1300 (VT)
(4) 829 (WH/VT)
*1540 (DG)
(5) 1068 (LG/BK)
*76 (LG/WH)
(6) 694 (BK/LG)
*48
(7) 23 (TN/LG)
(8) 48
*1541 (DB)
(9) 406 (BN/WH)
(10) *99 (LG/BK)
(11) 798 (LG/RD)
*1563 (LG)
(12) 680 (GY)
*1807 (WH)
14A005
4
16
1
13
F16141
(13) 832 (LB/PK)
*1402 (RD/WH)
(14) 833 (TN)
*891 (RD/PK)
(15) 856 (VT)
*694 (BK/LG)
(16) 799 (OG/BK)
*1808 (BK)
* = with video cassette player


C314
14335
F12062
14A005
F12060
(1) 118 (PK/OG)
(2)
(3) 19 (LB/RD)
(4) 117 (PK/BK)
(5) 53 (BK/LB)
(6) 297 (BK/LG)
(7) 54 (LG/YE)
(8)
(9) 186 (BN/LB)
(10) 511 (LG)
(11) 57 (BK)
(12) 194 (PK)

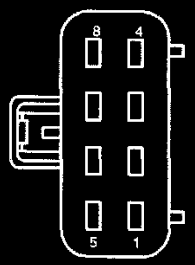

C315
14A699
3
1
4
6
F06167
14A699
(1) 443 (LG/RD)
(2 442 (LG/OG)
(3) 444 (LG/BK)
(4) –
(5) 446 (OG/WH)
(6) 447 (OG/RD)
14B122
1
3
4
6
F05243


C316
14A504
1130 (PK/LG)
1128 (GY/LB)
1127 (YE)
1129 (BN/WH)
269 (LB/OG)
756 (RD/PK)
751 (DB/WH)
515 (OG/RD)
1121 (DG/YE)
F12060
14335
269 (LB/OG)
756 (RD/PK)
751 (DB/WH)
515 (OG/RD)
1121 (DG/YE)
1130 (PK/LG)
1128 (GY/LB)
1127 (YE)
1129 (BN/WH)
F12045

C320

14A699

N274
Seat heater switch, driver side



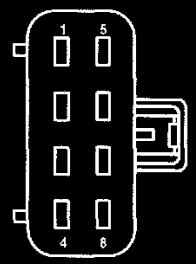
F08209

Pin	Circuit	Circuit function
1	1020 (DG/VT)	Heated seat module, driver side front
2	57 (BK)	Ground
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	461 (OG)	Switch illumination
7	–	not used
8	–	not used

C321

14B084

N275
Seat heater switch, passenger side



F08209

Pin	Circuit	Circuit function
1	1020 (DG/VT)	Safety belt assembly, left
2	57 (BK)	Ground
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	461 (OG)	Switch illumination
7	–	not used
8	–	not used

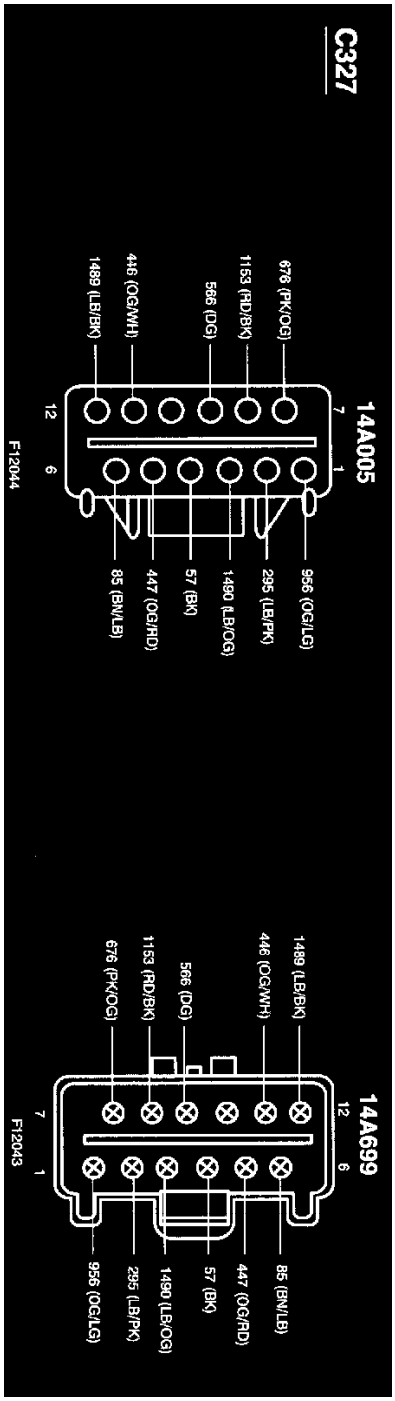
C323

14B084

N317
Safety belt buckle switch (10B924)

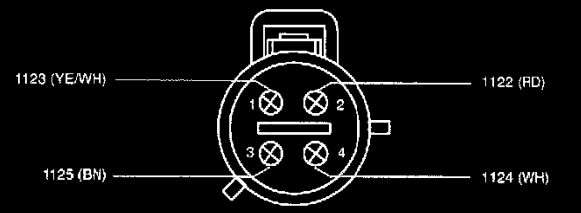
F04269

Pin	Circuit	Circuit function
1	–	not used
2	85 (BN/LB)	Safety belt buckle switch (10B924), input
3	57 (BK)	Ground
4	–	not used


C327
14A005
678 (PK/OG)
1153 (RD/BK)
566 (DG)
446 (OG/WH)
1489 (LB/BK)
956 (OG/LG)
295 (LB/PK)
1490 (LB/OG)
57 (BK)
447 (OG/RD)
85 (BN/LB)
F12044
14A699
1489 (LB/BK)
446 (OG/WH)
566 (DG)
1153 (RD/BK)
678 (PK/OG)
85 (BN/LB)
447 (OG/RD)
57 (BK)
1490 (LB/OG)
295 (LB/PK)
956 (OG/LG)
F12043

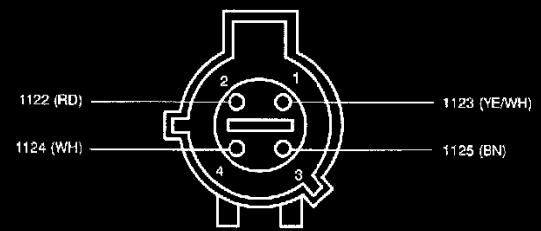
C328

14A504



F04263

14335

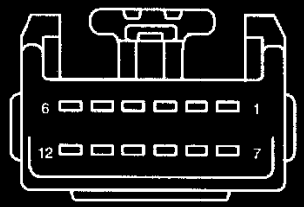


F04251

C329

14B084

A223
Heated seat module, passenger side front



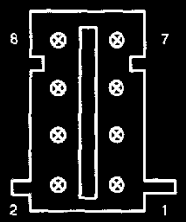
F12075

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1060 (BK/LB)	Seat cushion heater, passenger side, Sensor, feed
5	295 (LB/PK)	Voltage in Run (overload protected)
6	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
7	1067 (VT/LB)	Seat back heater, passenger side, heater, return
8	1020 (DG/VT)	Climate controlled seat module
9	–	not used
10	461 (OG)	switch indicator control
11	–	not used
12	1153 (RD/BK)	Voltage supplied at all times (overload protected)

C330

14B084

N217
Seat adjust switch, passenger side front



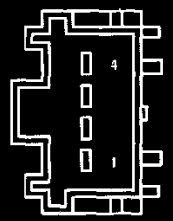
F08245

Pin	Circuit	Circuit function
1	984 (YE/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
2	989 (RD/LG)	Seat adjust switch, to, front, Tilt, Seat motor
3	988 (YE/LG)	Seat adjust switch, to, front, Tilt, Seat motor
4	51 (BK/WH)	Voltage supplied at all times (overload protected)
5	985 (RD/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
6	987 (RD/WH)	Seat adjust switch, to, Passenger seat horizontal motor
7	986 (YE/WH)	Seat adjust switch, to, Passenger seat horizontal motor
8	57 (BK)	Ground

C334

14B084

N30
Seat cushion heater, right front



F04139

Pin	Circuit	Circuit function
1	1064 (YE/LB)	Heating element, feed
2	1060 (BK/LB)	Seat cushion heater, passenger side, Sensor, feed
3	1061 (BN/LB)	Seat cushion heater, passenger side, Sensor, return
4	1066 (GY/LB)	Heating element, return

C335

14B084

N32
Seat back heater, right front

Pin	Circuit	Circuit function
1	1066 (GY/LB)	Heating element, feed
2	1067 (VT/LB)	Heating element, return

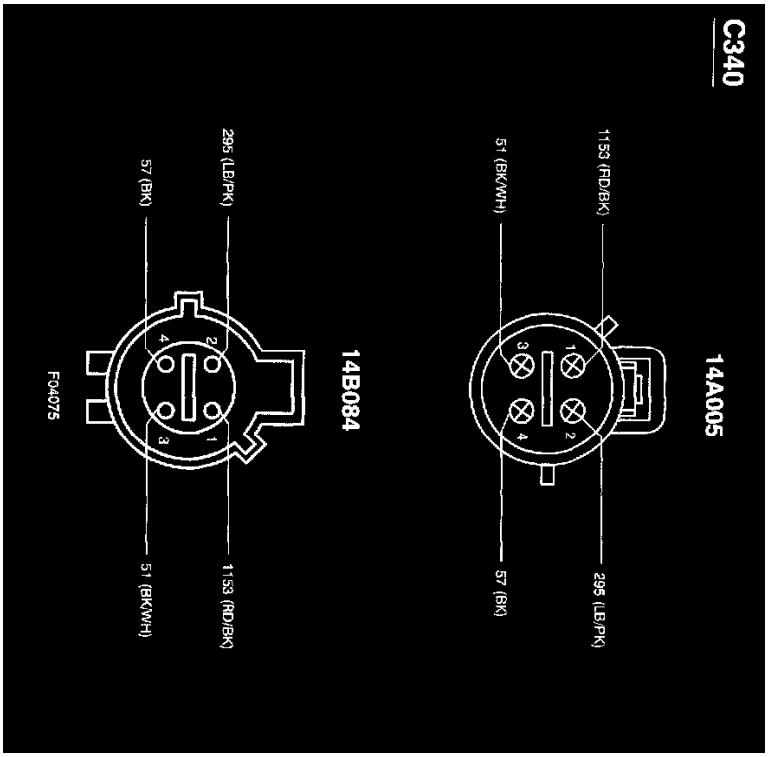
C339

14A504

(1)		(5)	
(2)		(6)	
(3)		(7)	295 (LB/PK)
(4)	371 (PK/WH)	(8)	1436 (VT/OG)

14A005

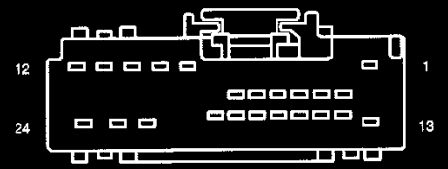
(9)	1544 (OG)		
(10)	70 (LB/WH)		
(11)	1435 (DG/VT)		
(12)			


C340
14A005
1153 (RD/BK)
295 (LB/PK)
51 (BK/WH)
57 (BK)
14B084
295 (LB/PK)
1153 (RD/BK)
57 (BK)
51 (BK/WH)
F04075

C341a

14A699

A207
Driver seat module (14C718)



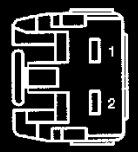
F24021

Pin	Circuit	Circuit function
1	1469 (RD/LB)	Driver seat module (14C718), to, Power seat motor assembly, left
2	–	not used
3	1467 (GY/YE)	Rear up/down circuit
4	1468 (GY/LB)	Rear up/down circuit
5	442 (LG/OG)	Seat position sensor – horizontal sense
6	443 (LG/RD)	Driver memory seat front height sensor, monitor
7	1463 (RD/YE)	Power seat switch, left, to, Driver seat module (14C718)
8	–	not used
9	1474 (RD/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
10	1489 (LB/BK)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
11	1471 (RD/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
12	1490 (LB/OG)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
13	447 (OG/RD)	Sensor, return
14	1465 (GY/WH)	Seat rearward, signal
15	1466 (GY/OG)	Seat Forward signal
16	1464 (YE)	Front up/down circuit
17	444 (LG/BK)	Driver memory seat rear height sensor, monitor
18	–	not used
19	446 (OG/WH)	Sensor, feed
20	–	not used
21	–	not used
22	1472 (YE/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
23	1473 (YE/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
24	1470 (YE/LB)	Driver seat module (14C718), to, Power seat motor assembly, left

C341b

14A699

A207
Driver seat module
(14C718)



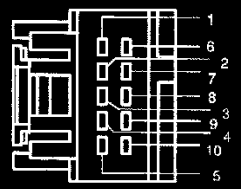
F02032

Pin	Circuit	Circuit function
1	566 (DG)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C341c

14A005

A207
Driver seat module
(14C718)



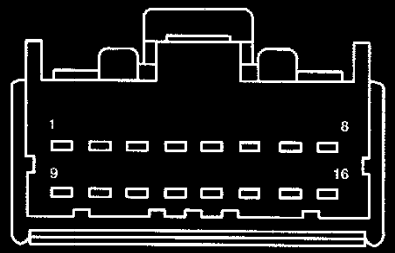
F10135

Pin	Circuit	Circuit function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	693 (OG)	UBP Diagnostics
3	268 (BK/OG)	Memory set switch (14776)
4	267 (BN/LG)	Memory set switch (14776)
5	270 (BN/OG)	Memory set switch (14776)
6	676 (PK/OG)	logic ground
7	1491 (LB/YE)	Accelerator pedal position sensor monitor
8	1493 (PK/BK)	Adjustable pedal switch input
9	1492 (LB/RD)	Adjustable pedal switch input
10	272 (WH/OG)	Memory set switch (14776), Switch illumination

C349

14B079

P87
Rear Integrated Control Panel (RICP) (19980)



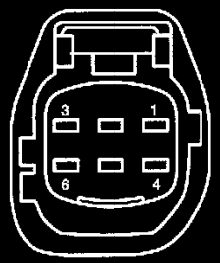
F16118

Pin	Circuit	Circuit function
1	825 (TN/LG)	Speaker, right rear (18808) +
2	802 (OG/RD)	Speaker, right rear (18808) +
3	803 (BN/PK)	Speaker, right rear (18808) –
4	–	not used
5	801 (TN/YE)	Speaker, left rear (18808) –
6	800 (GY/LB)	Speaker, left rear (18808) +
7	827 (TN/WH)	Speaker, left rear (18808) +
8	–	not used
9	1068 (LG/BK)	Audio System ON (ASYSON)
10	829 (WH/VT)	Voltage supplied at all times (overload protected)
11	694 (BK/LG)	Ground
12	832 (LB/PK)	Audio corporate protocol A
13	833 (TN)	Audio corporate protocol B
14	–	not used
15	57 (BK)	Illumination, Ground
16	19 (LB/RD)	Illumination +

C350a

15525

A257
Transfer case assembly



F06161

Pin	Circuit	Circuit function
1	763 (OG/WH)	Motor position 2
2	976 (OG)	in On/Off
3	764 (BN/WH)	Motor position 3
4	870 (VT/YE)	Voltage supplied in reverse
5	771 (VT/YE)	Motor position 5
6	770 (WH)	Motor position 4

C350b

15525

A257
Transfer case assembly

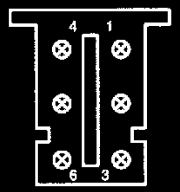
F02455

Pin	Circuit	Circuit function
1	777 (YE)	Low to High
2	778 (OG)	High to Low

C357

14A699

M214
Power seat motor assembly, left



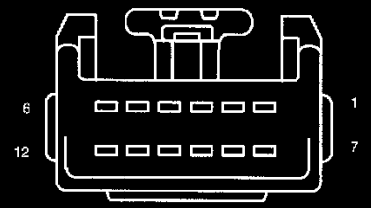
F06138

Pin	Circuit	Circuit function
1	1472 (YE/WH)	Seat forward/rearward circuit – Fog lamp feed
	980 (RD/LG)	Seat forward/rearward circuit – without memory
2	1474 (RD/LG)	Seat up/down circuit, rear – Fog lamp feed
	983 (YE/LB)	Rear height circuit, Up – without memory
3	1473 (YE/LG)	Seat up/down circuit, rear – Fog lamp feed
	982 (RD/LB)	Rear height circuit, Down – without memory
4	1471 (RD/WH)	Seat forward/rearward circuit – Fog lamp feed
	981 (YE/LG)	Seat Forward – without memory
5	1470 (YE/LB)	Seat up/down circuit, front – Fog lamp feed
	990 (YE/WH)	Front height circuit, Down – without memory
6	1469 (RD/LB)	Seat up/down circuit, front – Fog lamp feed
	979 (RD/WH)	Front height circuit, Up – without memory

C359

14A699

A224
Heated seat module, driver side front



F12075

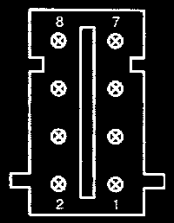
Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	–	not used
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1060 (BK/LB)	Seat cushion heater, driver side, Sensor
5	295 (LB/PK)	Voltage in Run (overload protected)
6	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
7	1067 (VT/LB)	Seat back heater, driver side, heater, feed
8	1020 (DG/VT)	Seat heater switch, driver side, input
9	–	not used
10	461 (OG)	switch indicator control
11	–	not used
12	1153 (RD/BK)	Voltage supplied at all times (overload protected)

* with memory

C360

14A699

N216
Seat adjust switch, driver side front
(14A701)



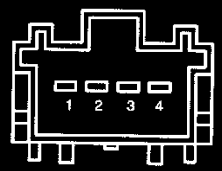
F08245

Pin	Circuit	Circuit Function
1	*1464 (YE)	Front up/down circuit
	990 (YE/LB)	Forward/Rearward circuit +/–
2	*1468 (GY/LB)	Rear up/down circuit
	983 (RD/LG)	Rear up/down circuit +/–
3	*1467 (GY/YE)	Rear up/down circuit
	982 (YE/LG)	Rear up/down circuit +/–
4	*956 (OG/LG)	Voltage supplied at all times (overload protected)
	566 (DG)	Voltage supplied at all times (overload protected)
5	*1463 (RD/YE)	Front up/down circuit
	979 (RD/LB)	Forward/Rearward circuit +/–
6	*1466 (GY/OG)	Seat Forward
	981 (RD/WH)	Front up/down circuit +/–
7	*1465 (GY/WH)	Seat rearward
	980 (YE/WH)	Front up/down circuit +/–
8	*676 (PK/OG)	Front up/down circuit
	57 (BK)	Ground

C364

14A699

N29
Seat cushion heater,
left front



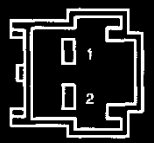
F04139

Pin	Circuit	Circuit function
1	1064 (YE/LB)	Heating element, feed
2	1060 (BK/LB)	Seat cushion heater, driver side, Sensor, feed
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1066 (GY/LB)	Heating element, return

C365

14A699

N31
Seat back heater,
left front



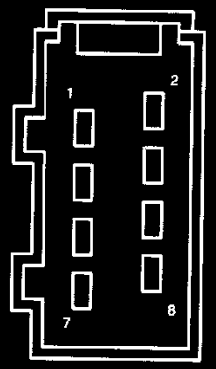
F02077

Pin	Circuit	Circuit function
1	1066 (GY/LB)	Heating element, feed
2	1067 (VT/LB)	Heating element, feed

C369

14B084

N216
Seat adjust switch, driver side front (14A701)



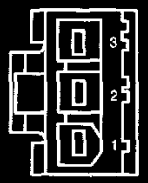
F08114

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	979 (RD/LB)	Seat adjust switch, to, Front seat forward/rearward motor
3	980 (YE/WH)	Seat adjust switch, to, Front height motor
4	982 (YE/LG)	Seat adjust switch, to, Rear height motor
5	981 (RD/WH)	Seat adjust switch, to, Front height motor
6	983 (RD/LG)	Seat adjust switch, to, Rear height motor
7	566 (DG)	Hot at all times
8	990 (YE/LB)	Seat adjust switch, to, Front seat forward/rearward motor

C372

14B122

B222
Driver memory seat horizontal sensor



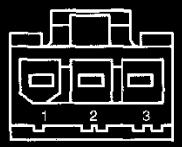
F03111

Pin	Circuit	Circuit function
1	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
2	442 (LG/OG)	Seat position sensor – horizontal sense
3	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)

C373

14B122

B224
Driver memory seat rear height sensor



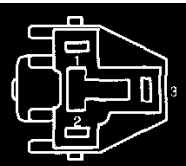
F03111

Pin	Circuit	Circuit function
1	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
2	444 (LG/BK)	Driver seat module (14C718), to, Power seat motor assembly, left
3	447 (OG/RD)	Sensor, feed, from, Driver seat module (14C718)

C380

14B079

O40
Power point, console (19N236)



F03193

Pin	Circuit	Circuit function
1	1542 (RD)	Voltage supplied at all times (overload protected)
2	–	not used
3	57 (BK)	Ground

C383
14B122

B223
Driver memory seat front height sensor

F03111

Pin	Circuit	Circuit function
1	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)
2	443 (LG/RD)	Driver seat module (14C718), to, Power seat motor assembly, left
3	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)

C395
14A005

Y17
Speaker, left rear (18808)

F02069

Pin	Circuit	Circuit function
1	800 (GY/LB)	Audio signal negative
	827 (TN/WH)	Audio signal negative
2	801 (TN/YE)	Audio signal positive

C396

14A005

Y19
Speaker, right rear (18808)

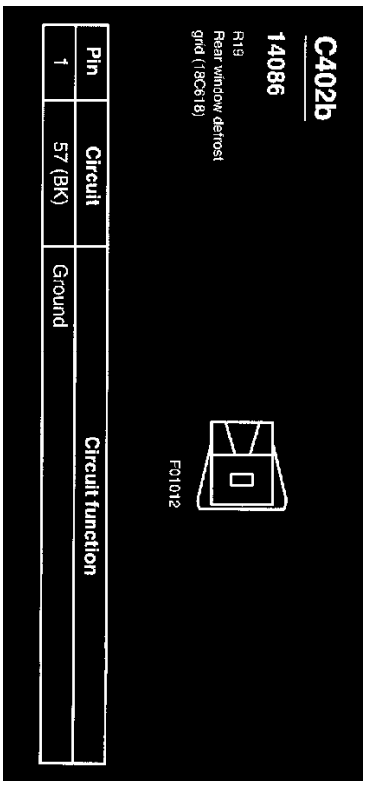
Pin	Circuit	Circuit function
1	802 (OG/RD)	Audio signal negative
2	825 (TN/LG)	Audio signal negative
	803 (BN/PK)	Audio signal positive

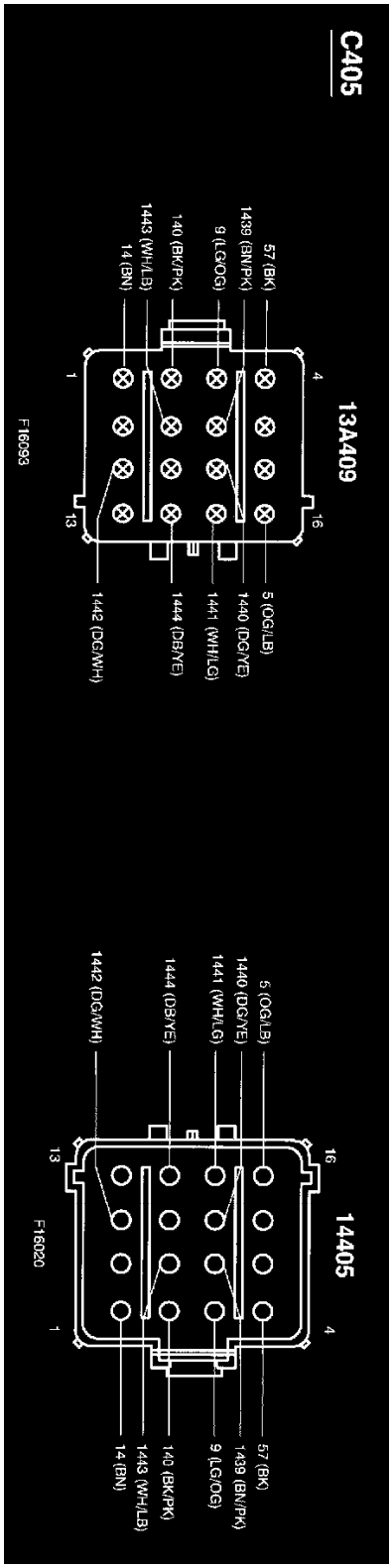
C402a

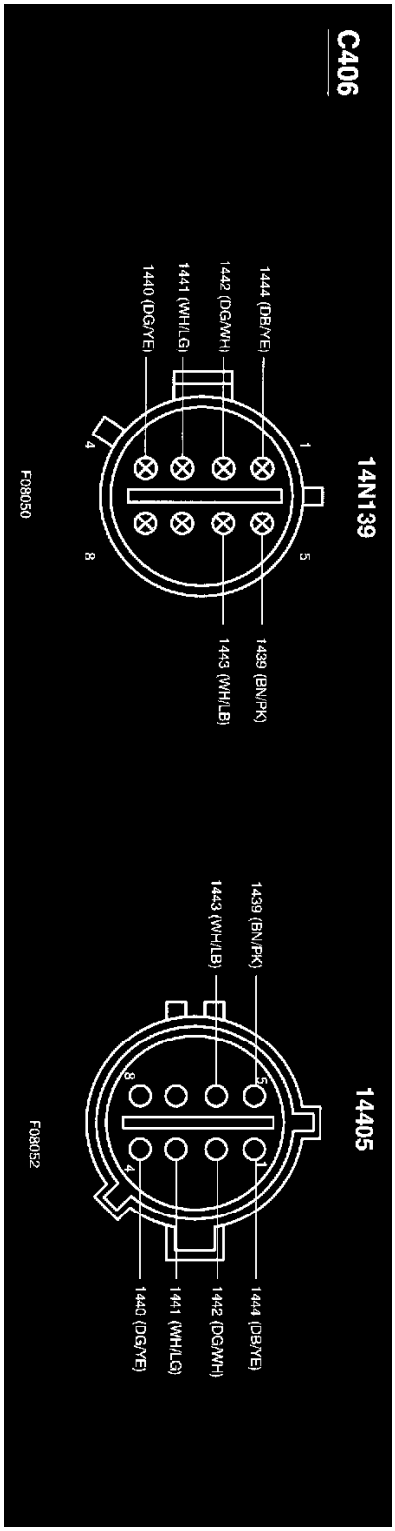
14086

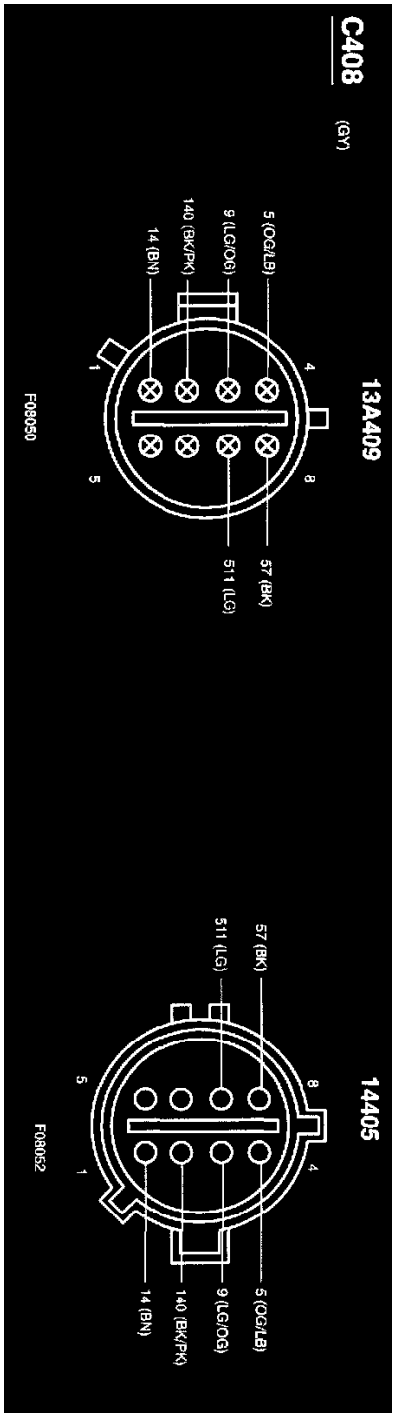
R19
Rear window defrost grid (18C618)

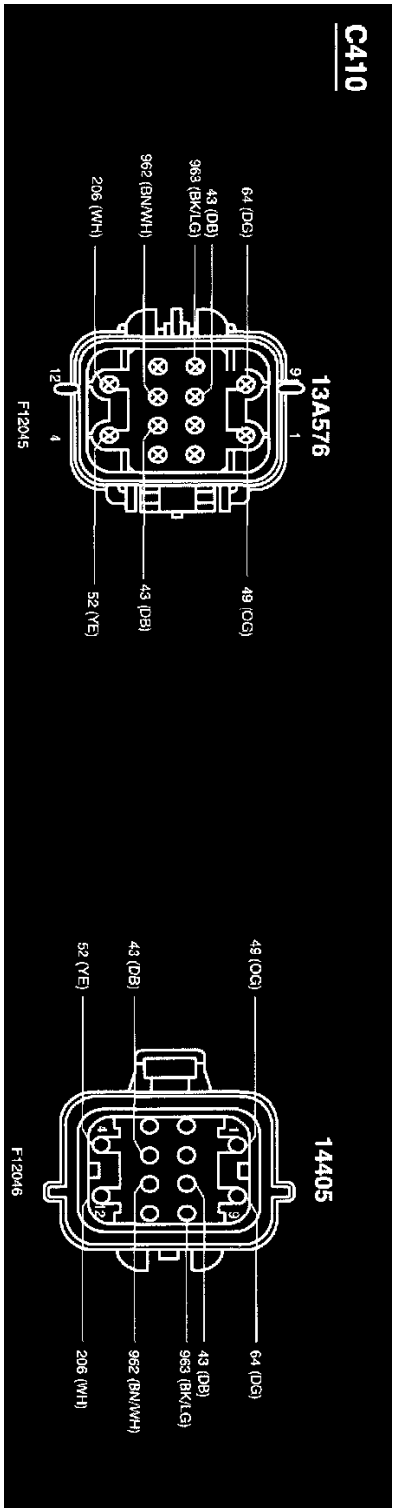
Pin	Circuit	Circuit function
1	186 (BN/LB)	Rear window defrost

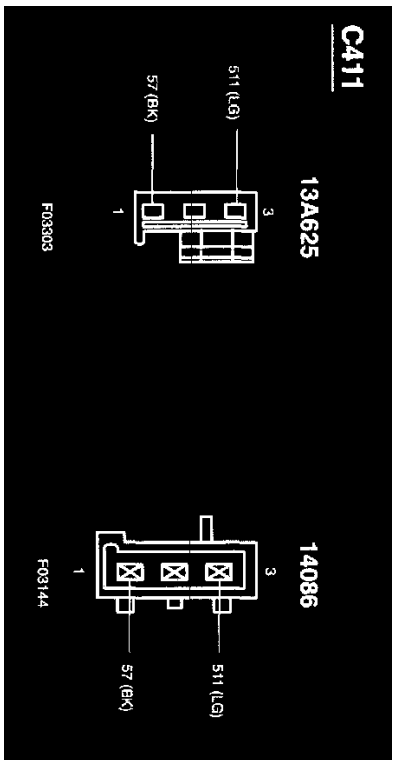

C402b
14086
R19
Rear window defrost grid (18C618)
F01012
Pin
Circuit
Circuit function
1
57 (BK)
Ground

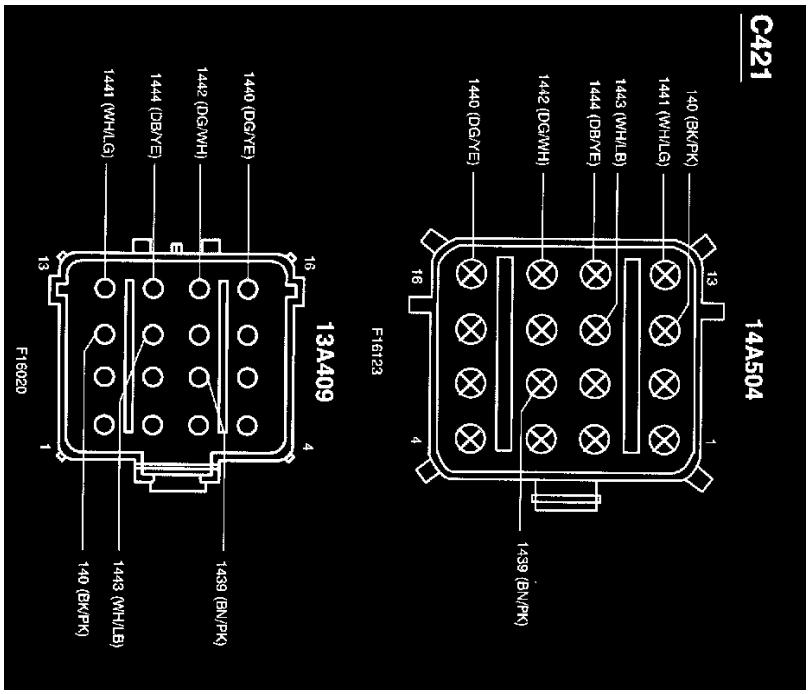

C405
13A409
57 (BK)
1439 (BN/PK)
9 (LG/OG)
140 (BK/PK)
1443 (WH/LB)
14 (BN)
5 (OG/LB)
1440 (DG/YE)
1441 (WH/LG)
1444 (DB/YE)
1442 (DG/WH)
F16093
14405
5 (OG/LB)
1440 (DG/YE)
1441 (WH/LG)
1444 (DB/YE)
1442 (DG/WH)
57 (BK)
1439 (BN/PK)
9 (LG/OG)
140 (BK/PK)
1443 (WH/LB)
14 (BN)
F16020

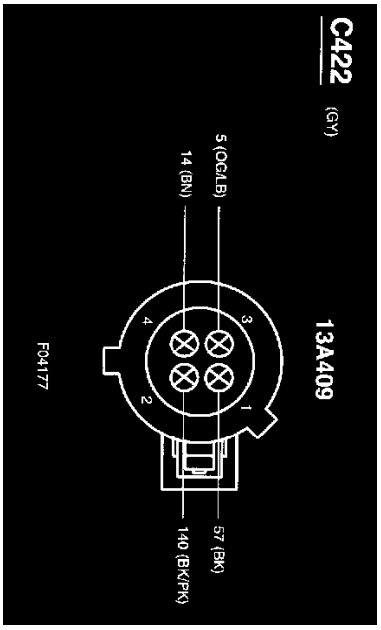

C406
14N139
1444 (DB/YE)
1442 (DG/WH)
1441 (WH/LG)
1440 (DG/YE)
1439 (BN/PK)
1443 (WH/LB)
F08050
14405
1439 (BN/PK)
1443 (WH/LB)
1444 (DB/YE)
1442 (DG/WH)
1441 (WH/LG)
1440 (DG/YE)
F08052

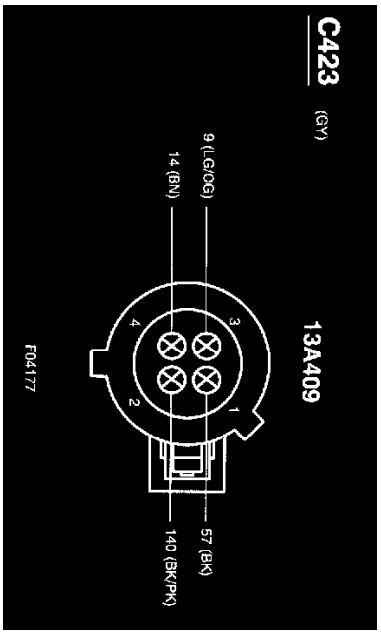

C408
(GY)
13A409
5 (OG/LB)
9 (LG/OG)
140 (BK/PK)
14 (BN)
57 (BK)
511 (LG)
F08050
14405
57 (BK)
511 (LG)
5 (OG/LB)
9 (LG/OG)
140 (BK/PK)
14 (BN)
F08052

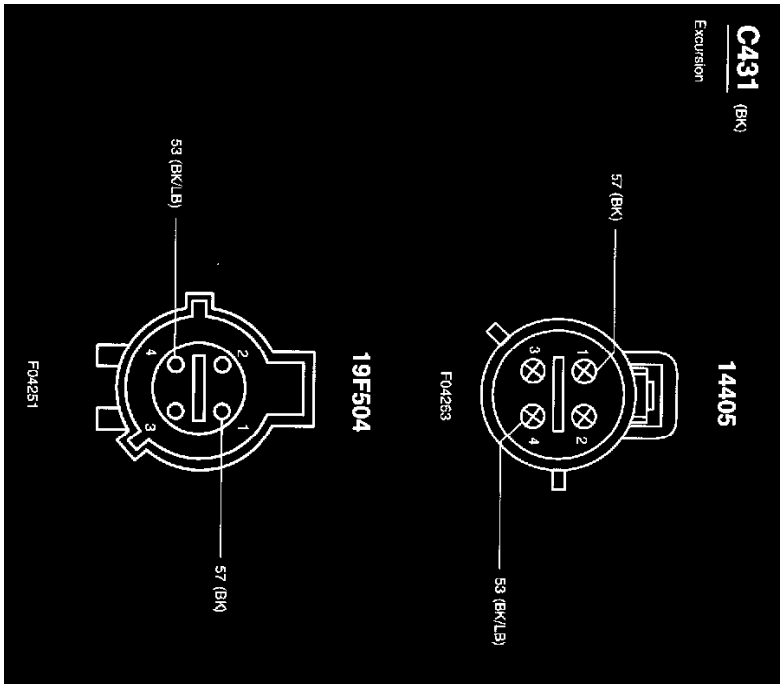

C410
13A576
64 (DG)
43 (DB)
963 (BK/LG)
962 (BN/WH)
206 (WH)
49 (OG)
43 (DB)
52 (YE)
F12045
14405
49 (OG)
43 (DB)
52 (YE)
64 (DG)
43 (DB)
963 (BK/LG)
962 (BN/WH)
206 (WH)
F12046

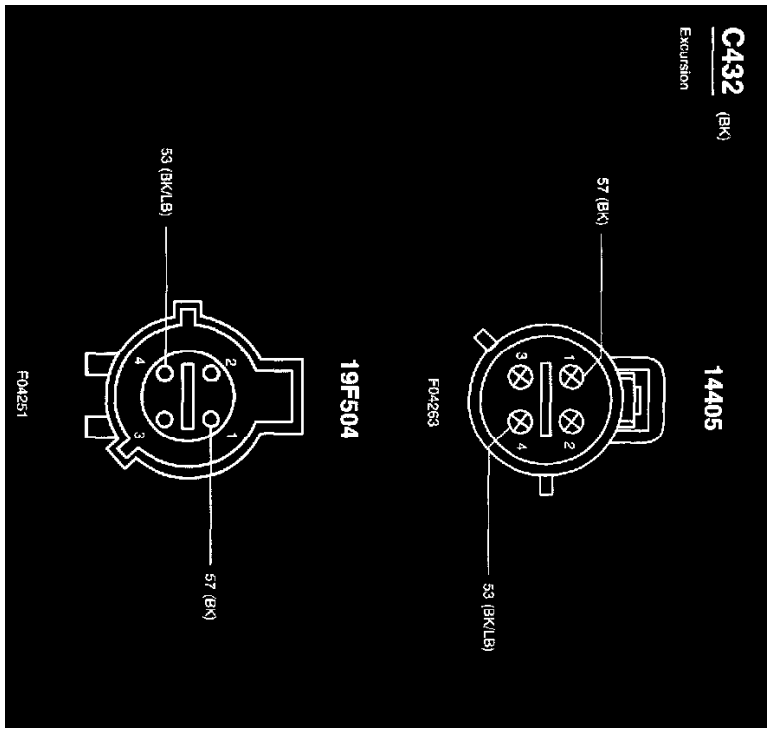

C411
13A625
511 (LG)
57 (BK)
3
1
F03303
14086
3
1
511 (LG)
57 (BK)
F03144


C421
14A504
140 (BK/PK)
1441 (WH/LG)
1443 (WH/LB)
1444 (DB/YE)
1442 (DG/WH)
1440 (DG/YE)
13
1
16
4
F16123
1439 (BN/PK)
13A409
1440 (DG/YE)
1442 (DG/WH)
1444 (DB/YE)
1441 (WH/LG)
16
13
1
4
F16020
1439 (BN/PK)
1443 (WH/LB)
140 (BK/PK)


C422
(GY)
13A409
5 (OG/LB)
14 (BN)
57 (BK)
140 (BK/PK)
1
2
3
4
F04177


C423
(GY)
13A409
9 (LG/OG)
14 (BN)
57 (BK)
140 (BK/PK)
1
2
3
4
F04177


C431 (BK)
Excursion
14405
57 (BK)
53 (BK/LB)
F04263
19F504
53 (BK/LB)
57 (BK)
F04251

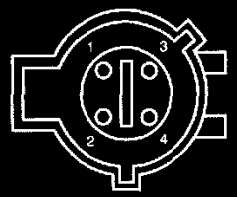

C432 (BK)
Excursion
14405
57 (BK)
53 (BK/LB)
F04263
19F504
53 (BK/LB)
57 (BK)
F04251

C433

Federal

14405

A31
Fuel tank unit
(9H307)

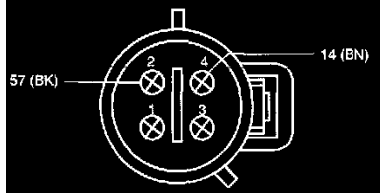


F04251

Pin	Circuit	Circuit function
1	29 (YE/WH)	Fuel sender +
2	787 (PK/BK)	Fuel pump, Power
3	396 (BK/OG)	Fuel sender –
4	57 (BK)	Fuel pump, Ground

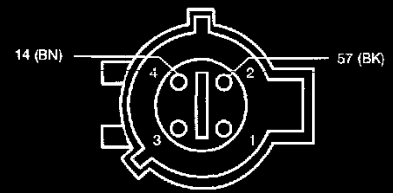
C438 (BK)

15425



F04309

13A409



F04251

C451 (GY)

13A409

E105
Reversing lamp, left
(13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	140 (BK/PK)	Voltage supplied in reverse

C452

14405 Excursion
13412 Pickup

E34
License plate lamp, left

Pin	Circuit	Circuit function
1	14 (BN)	Power, Hot with Headlamps on
2	57 (BK)	Ground

C455
14405

B25
Rear axle speed sensor (4B459)

F022031

Pin	Circuit	Circuit function
1	523 (RD/PK)	Wheel speed sensor, right rear +
2	519 (LG/BK)	Wheel speed sensor, left rear –

C457
14086

M245
Liftgate lock actuator

F02116

Pin	Circuit	Circuit function
1	118 (PK/OG)	Door lock, output
2	117 (PK/BK)	Door unlock, output

C458
14086
N402
Liftgate ajar switch, left

F02523

Pin	Circuit	Circuit function
1	700 (WH/VT)	Anti–theft, switch sense
2	23 (TN/LG)	Liftgate ajar switch, input

C459
14086
N403
Liftgate ajar switch, right

F02523

Pin	Circuit	Circuit function
1	700 (WH/VT)	Anti–theft, switch sense
2	57 (BK)	Ground

C461 (GY)

13A409

E109
Reversing lamp, right (13411)

F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	140 (BK/PK)	Voltage supplied in reverse

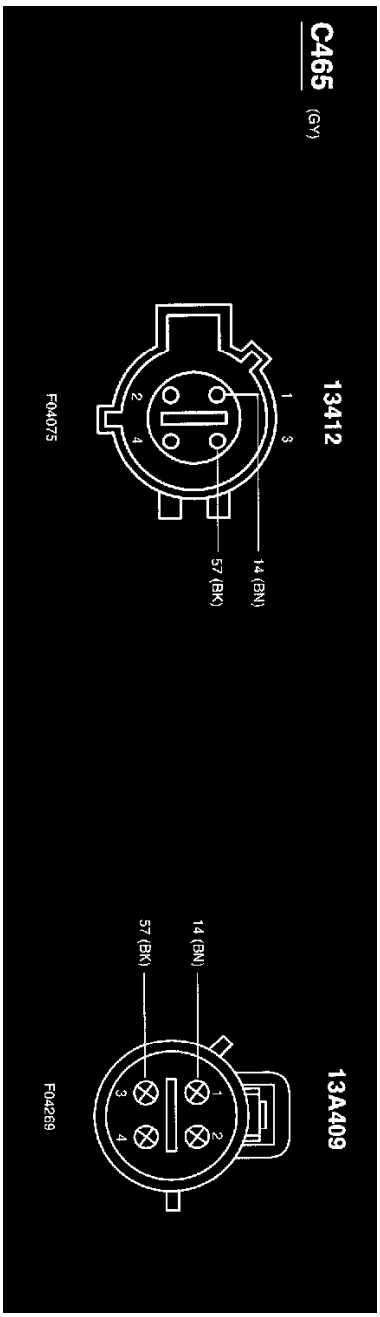
C462

14405 Excursion
13412 Pickup

E35
License plate lamp, right

F02086

Pin	Circuit	Circuit function
1	14 (BN)	Power, Hot with Headlamps on
2	57 (BK)	Ground


C465
(GY)
13412
1
3
2
4
14 (BN)
57 (BK)
F04075
13A409
14 (BN)
57 (BK)
1
2
3
4
F04269

C474
14A504

C21
Power point, rear
(19G247)

F02389

Pin	Circuit	Circuit function
1	1544 (OG)	Voltage supplied at all times (overload protected)
2	-	not used
3	57 (BK)	Ground

C475a
13A625

E174
High mounted stop-lamp (13A613)

F02237

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C475b

13A625

E174
High mounted stop-lamp (13A613)

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C475c

13A625

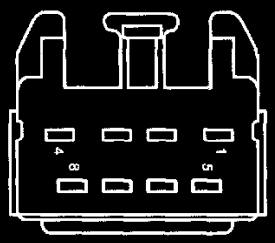
E174
High mounted stop-lamp (13A613)

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C476

14036

M218
Rear wiper motor assembly

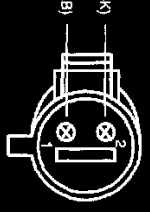


Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	57 (BK)	Ground
3	297 (BK/LG)	Voltage in Run or Accessory (overload protected)
4	406 (BN/WH)	Voltage supplied at all times (overload protected)
5	941 (BK/WH)	Rear washer switch circuit
6	993 (BN/WH)	Switched ground
7	1300 (VT)	Switched ground
8	-	not used

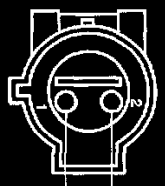
C494

(BK)

14405

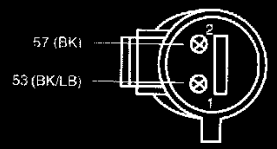


19F504



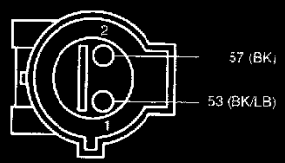
C495 (BK)

14405



F02113

19F504

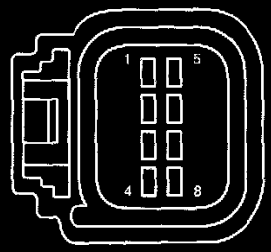


F02085

C500

14A631

A244
Key pad switch assembly



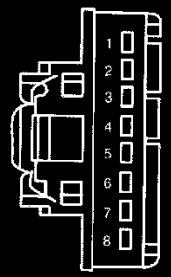
F08203

Pin	Circuit	Circuit function
1	78 (LB/YE)	Key pad button 1/2, Key pad button 5/6
2	1013 (BN/LG)	Illumination
3	79 (LG/RD)	Key pad button 5/6
4	–	not used
5	57 (BK)	Ground
6	124 (BN)	Key pad common
7	121 (YE/BK)	Key pad button 5/6, Key pad button 9/0
8	–	not used

C503

14A005

N440
Memory set switch
(14776)



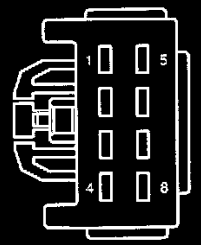
F08279

Pin	Circuit	Circuit function
1	272 (WH/OG)	Memory set switch (14776), Illumination, input
2	267 (BN/LG)	Memory seat switch, position, (1)
3	–	not used
4	–	not used
5	270 (BN/OG)	Memory set switch (14776)
6	268 (BK/OG)	Memory seat switch, position (2)
7	676 (PK/OG)	Ground
8	–	not used

C504a

14A005

N447
Master window adjust switch (14529)



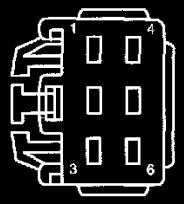
F08167

Pin	Circuit	Circuit function
1	–	not used
2	57 (BK)	Ground
3	313 (WH/YE)	Window switch, feed, right front, Up
4	314 (TN/LB)	Window switch, feed, right front, Down
5	–	not used
6	400 (LB/BK)	Accessory relay, switched power, output
7	991 (TN/LB)	Master window adjust switch (14529), feed, Down
8	992 (WH/BK)	Master window adjust switch (14529), feed, Up

C504b

14A005

N447
Master window adjust switch (14529)



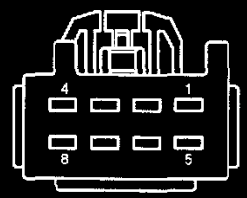
F06213

Pin	Circuit	Circuit function
1	–	not used
2	319 (YE/BK)	Window switch, feed, left rear, Down
3	320 (RD/BK)	Window switch, feed, right rear, Down
4	193 (YE/LG)	Window safety relay, switched output
5	316 (YE/LB)	Window switch, feed, left rear, Up
6	317 (GY/OG)	Window switch, feed, left rear, Down

C505

14A005

N204
Door lock switch, driver side (14028)



F08193

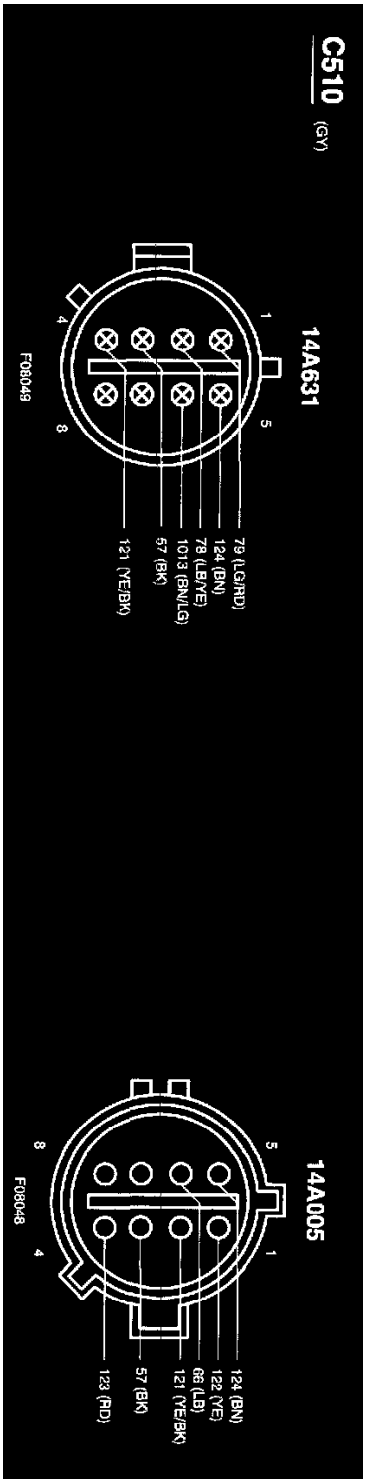
Pin	Circuit	Circuit function
1	57 (BK)	Illumination Ground
2	57 (BK)	switch common – without remote keyless entry
	–	not used – with remote keyless entry
3	120 (PK/LG)	Unlock Switch Circuit – without remote keyless entry
	1210 (BK/WH)	Unlock Switch Circuit – with remote keyless entry
4	116 (RD/BK)	Voltage supplied at all times (overload protected) – without remote keyless entry
	57 (BK)	Ground – with remote keyless entry
5	194 (PK)	Switch illumination
6	–	not used
7	119 (PK/YE)	Lock Switch Circuit – without remote keyless entry
	1211 (WH/RD)	Lock Switch Circuit – with remote keyless entry
8	57 (BK)	switch common – without remote keyless entry
	–	not used – with remote keyless entry

C506
14A005

E177
Door entry lamp, left front (13776)

F02086

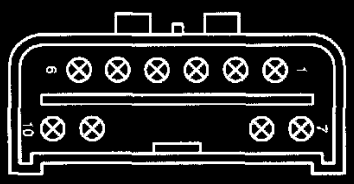
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output


C510
(GY)
14A631
1
5
4
8
F08049
79 (LG/RD)
124 (BN)
78 (LB/YE)
1013 (BN/LG)
57 (BK)
121 (YE/BK)
14A005
5
1
8
4
F08048
124 (BN)
122 (YE)
66 (LB)
121 (YE/BK)
57 (BK)
123 (RD)

C521

14A005

M220
Exterior rear view mirror, driver side (17682)

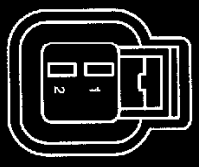


Pin	Circuit	Circuit function
1	540 (RD)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	541 (DB)	Up/Down mirror movement
4	3 (LG/WH)	Turn signal
5	57 (BK)	Ground
6	59 (DG/VT)	Defrost
7	–	not used
8	–	not used
9	–	not used
10	–	not used

C523

14A005

Y28
Speaker, left front (18808)



Pin	Circuit	Circuit function
1	804 (OG/LG)	Speaker, left front (18808) +
2	813 (LB/WH)	Speaker, left front (18808) –

C524
14A005

M80
Power window motor, driver side front
(23395)

Pin	Circuit	Circuit function
1	992 (WH/BK)	Master window adjust switch (14529), feed, Up
2	991 (TN/LB)	Master window adjust switch (14529), feed, Down

C525
14A005

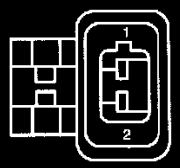
M241
Door lock actuator, left front

Pin	Circuit	Circuit function
1	163 (RD/OG)	Driver door unlock relay, switched power
	118 (PK/OG)	Door unlock, output – without remote keyless entry
2	117 (PK/BK)	Door lock, output

C526

14A005

N239
Door ajar switch, driver side front
(14018)



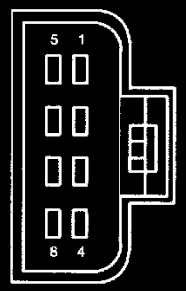
F02117

Pin	Circuit	Circuit function
1	765 (YE/BK)	Anti–theft, switch sense
	759 (LG/YE)	Anti–theft, switch sense – without remote keyless entry
2	57 (BK)	Ground

C527

14A005

N409
Exterior rear view mirror switch
(17B676)



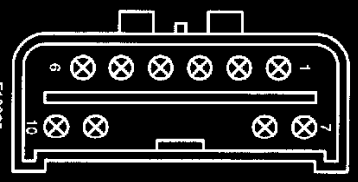
F08177

Pin	Circuit	Circuit function
1	956 (OG/LG)	Voltage supplied at all times (overload protected)
2	–	not used
3	543 (DG)	Right/Left mirror movement
4	540 (RD)	Right/Left mirror movement
5	57 (BK)	Ground
6	542 (YE)	Mirror motor, common
7	541 (DB)	Up/Down mirror movement
8	544 (VT)	Up/Down mirror movement

C601

14A005

M221
Exterior rear view mirror, passenger side (17683)

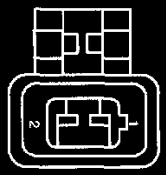


Pin	Circuit	Circuit function
1	543 (DG)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	544 (VT)	Up/Down mirror movement
4	2 (WH/LB)	Turn signal
5	57 (BK)	Defrost, Turn signal, Ground
6	59 (DG/VT)	Defrost
7	–	not used
8	–	not used
9	–	not used
10	–	not used

C602

14A005

N240
Door ajar switch, passenger side front (14018)

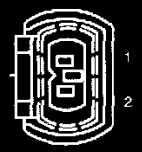


Pin	Circuit	Circuit function
1	761 (GY/RD)	switch sense, with remote keyless entry
	760 (PK/LB)	switch sense, without remote keyless entry
2	57 (BK)	Ground
	345 (BK/PK)	switch sense, with crew cab, without remote keyless entry

C603

14A005

M226
Door lock actuator, passenger side (218A42)



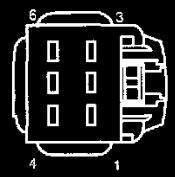
F02116

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C604

14A005

N105
Window adjust switch, passenger side



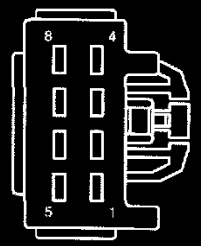
F06148

Pin	Circuit	Circuit function
1	313 (WH/YE)	Window switch, feed, right front, Up
2	334 (RD/YE)	Window motor, feed, Down
3	193 (YE/LG)	switched power
	400 (LB/BK)	switched power – Pickup, without crew cab
4	–	not used
5	333 (YE/RD)	Window motor, feed, Up
6	314 (TN/LB)	Window switch, feed, right front, Down

C605

14A005

N205
Door lock switch, passenger side (14028)



F08193

Pin	Circuit	Circuit function
1	57 (BK)	Illumination Ground
2	120 (PK/LG)	Unlock Switch Circuit – without remote keyless entry
	–	not used – with remote keyless entry
3	118 (PK/OG)	Unlock Switch Circuit – without remote keyless entry
	1210 (BK/WH)	Unlock Switch Circuit – with remote keyless entry
4	116 (RD/BK)	Voltage supplied at all times (overload protected) – without remote keyless entry
	57 (BK)	Ground – with remote keyless entry
5	194 (PK)	Switch illumination
6	–	not used
7	117 (PK/BK)	Lock Switch Circuit – without remote keyless entry
	1211 (WH/RD)	Lock Switch Circuit – with remote keyless entry
8	119 (PK/YE)	Lock Switch Circuit – without remote keyless entry
	–	not used – with remote keyless entry

C606

14A005

E178
Door entry lamp, right front (13776)

F02063

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C608
14A005

M79
Power window motor, passenger side front (23894)

Pin	Circuit	Circuit function
1	333 (YE/RD)	Window motor, feed, Headlamp jumper
2	334 (RD/YE)	Window motor, feed, Down

C612 (PK)
14A005

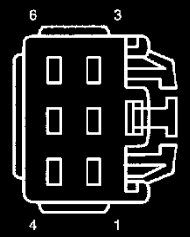
Y18
Speaker, right front (18808)

Pin	Circuit	Circuit function
1	805 (WH/LG)	Speaker, right front (18808) +
2	811 (DG/OG)	Speaker, right front (18808) –

C701

14A005

N111
Window adjust
switch, left rear
(14A412)



F06213

Pin	Circuit	Circuit function
1	317 (GY/OG)	Window switch, feed, left rear, Down
2	885 (YE/LB)	Window switch, to, Window motor, left rear
3	193 (YE/LG)	switched power
4	–	not used
5	884 (YE/BK)	Window switch, to, Window motor, left rear
6	316 (YE/LB)	Window switch, feed, left rear, Up

C702

14A005

Y17
Speaker, left rear
(18808)

F02069

Pin	Circuit	Circuit function
1	800 (GY/LB)	Speaker, left rear (18808) +
2	801 (TN/YE)	Speaker, left rear (18808) –

C703
14A005

M116
Power window motor, left rear (23394)

F02457

Pin	Circuit	Circuit function
1	885 (YE/LB)	Window switch, to, Window motor, left rear
2	884 (YE/BK)	Window switch, to, Window motor, left rear

C704
14A005

M64
Door lock actuator, left rear (218A443)

F02116

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C712
14A005

Y269
Speaker, left middle

Pin	Circuit	Circuit function
1	827 (TN/WH)	Speaker, left rear (18808) +
2	801 (TN/YE)	Speaker, left rear (18808) –

C715
14A005

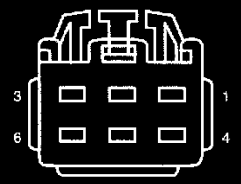
N237
Door ajar switch, driver side rear (14018)

Pin	Circuit	Circuit function
1	346 (BK/WH)	switch sense, without remote keyless entry
1	759 (LG/YE)	switch sense, with remote keyless entry
2	57 (BK)	Ground

C801

14A005

N110
Window adjust
switch, right rear
(14A412)



F06213

Pin	Circuit	Circuit function
1	319 (YE/BK)	Window switch, feed, right rear, Up
2	882 (BN/YE)	Window switch, to, Window motor, right rear
3	193 (YE/LG)	switched power
4	–	not used
5	881 (BN)	Window switch, to, Window motor, right rear
6	320 (RD/BK)	Window switch, feed, right rear, Down

C802

14A005

Y19
Speaker, right rear
(18808)

F02069

Pin	Circuit	Circuit function
1	802 (OG/RD)	Speaker, right rear (18808) +
2	803 (BN/PK)	Speaker, right rear (18808) –

C803
14A005

M117
Power window motor, right rear (23394)

F02457

Pin	Circuit	Circuit function
1	882 (BN/YE)	Window switch, to, Window motor, right rear
2	881 (BN)	Window switch, to, Window motor, right rear

C804
14A005

M65
Door lock actuator, right rear (21:BA42)

F02116

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C813

14A005

Y271
Speaker, right middle

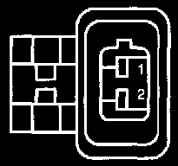
F02069

Pin	Circuit	Circuit function
1	825 (TN/LG)	Speaker, right rear (18808) +
2	803 (BN/PK)	Speaker, right rear (18808) –

C820

14A005

N238
Door ajar switch, *passenger side rear* (14018)



F02117

Pin	Circuit	Circuit function
1	346 (BK/WH)	switch sense, without remote keyless entry
	395 (GY/OG)	switch sense, without remote keyless entry, 4 speaker audio system
	760 (PK/LB)	switch sense, with remote keyless entry
2	57 (BK)	Ground, with remote keyless entry
	345 (BK/PK)	switch sense, without remote keyless entry
	346 (BK/WH)	switch sense, without remote keyless entry, 4 speaker audio system

C904
14A005

E174
High mounted stop-lamp (13A613)

Pickup

Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamp relay, switched power, output
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	57 (BK)	Ground

C906
17C712

E31
Vanity mirror lamp, right (04100)

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched power, output
2	57 (BK)	Ground

C907
17C712

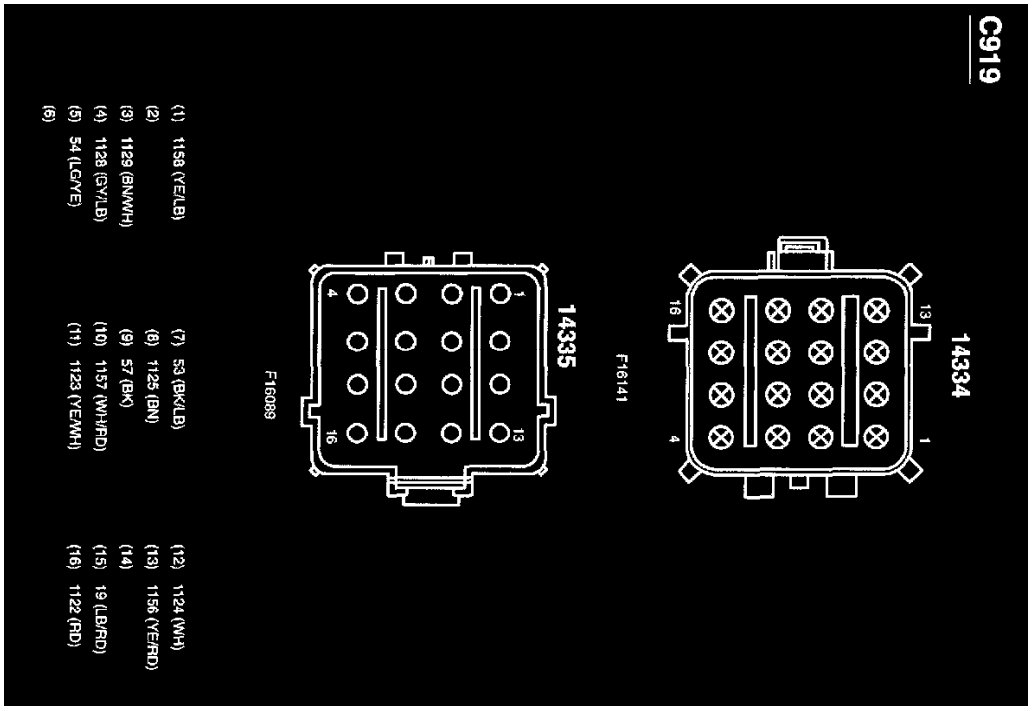
E30
Vanity mirror lamp, left (04100)

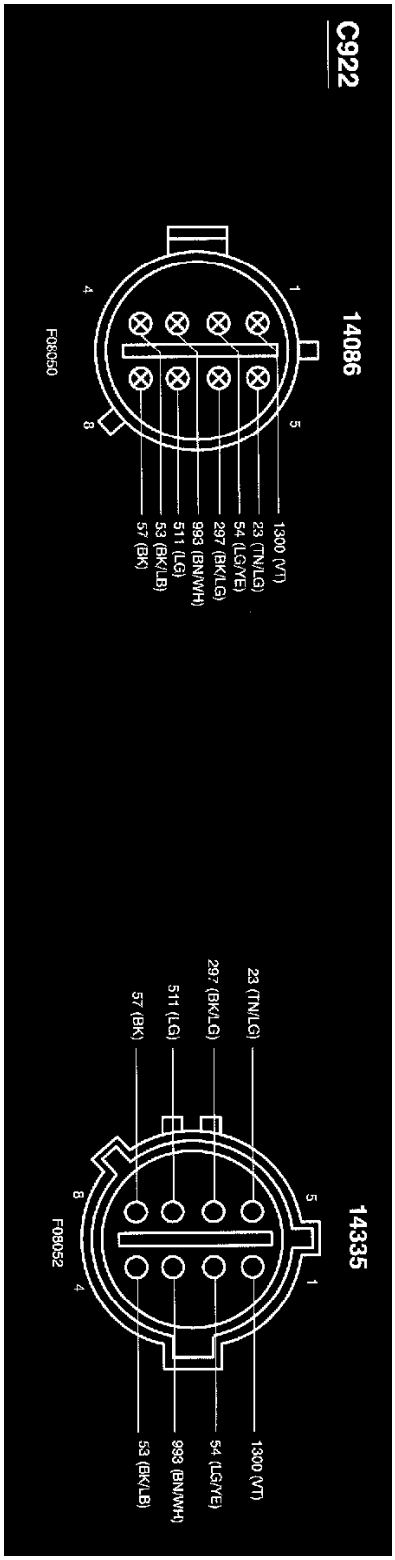
Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched power, output
2	57 (BK)	Ground

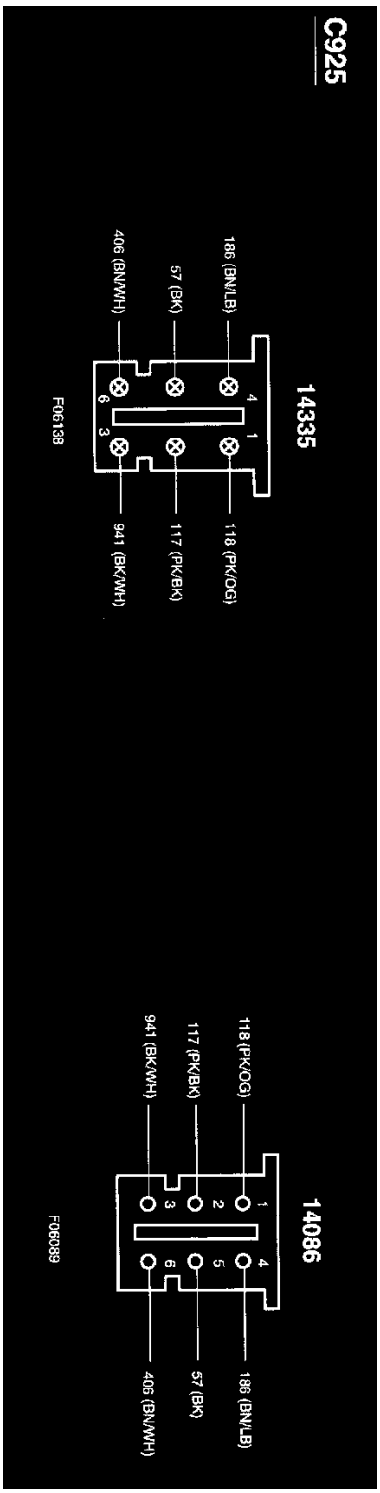
C911
17C712

A222
Auto-dimming interior mirror unit (17700)

Pin	Circuit	Circuit function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	57 (BK)	Ground
3	140 (BK/PK)	Voltage supplied in reverse


C919
14334
13
1
16
4
F16141
14335
1
13
4
16
F16089
(1) 1158 (YE/LB)
(2)
(3) 1129 (BN/WH)
(4) 1128 (GY/LB)
(5) 54 (LG/YE)
(6)
(7) 53 (BK/LB)
(8) 1125 (BN)
(9) 57 (BK)
(10) 1157 (WH/RD)
(11) 1123 (YE/WH)
(12) 1124 (WH)
(13) 1156 (YE/RD)
(14)
(15) 19 (LB/RD)
(16) 1122 (RD)

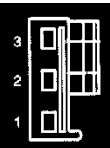

C922
14086
1
5
4
8
F06050
1300 (VT)
23 (TN/LG)
54 (LG/YE)
297 (BK/LG)
993 (BN/WH)
511 (LG)
53 (BK/LB)
57 (BK)
14335
5
1
8
4
F08052
23 (TN/LG)
297 (BK/LG)
511 (LG)
57 (BK)
1300 (VT)
54 (LG/YE)
993 (BN/WH)
53 (BK/LB)


C925
14335
186 (BN/LB)
57 (BK)
406 (BN/WH)
118 (PK/OG)
117 (PK/BK)
941 (BK/WH)
F06138
14086
118 (PK/OG)
117 (PK/BK)
941 (BK/WH)
186 (BN/LB)
57 (BK)
406 (BN/WH)
F06089

C926

14086

E51
Cargo lamp



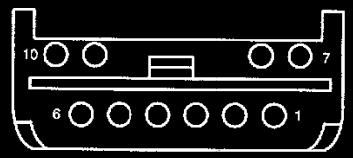
F03303

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched power, output
2	57 (BK)	Ground
3	53 (BK/LB)	Interior lamp relay, switched power, output

C930

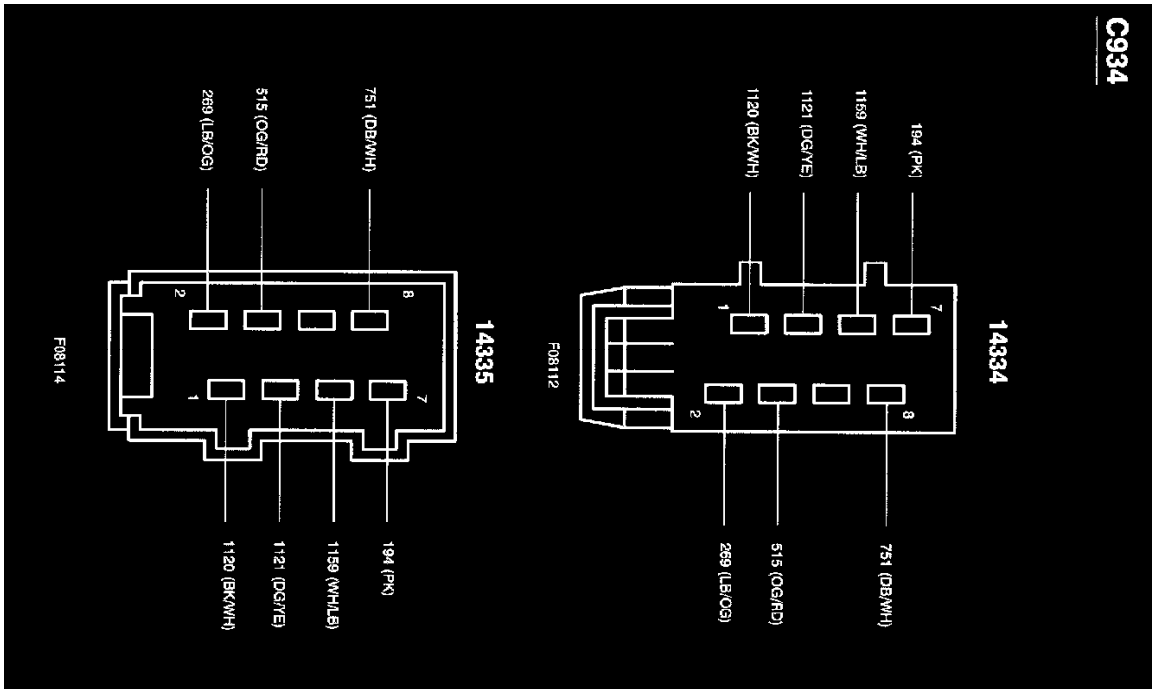
17C712

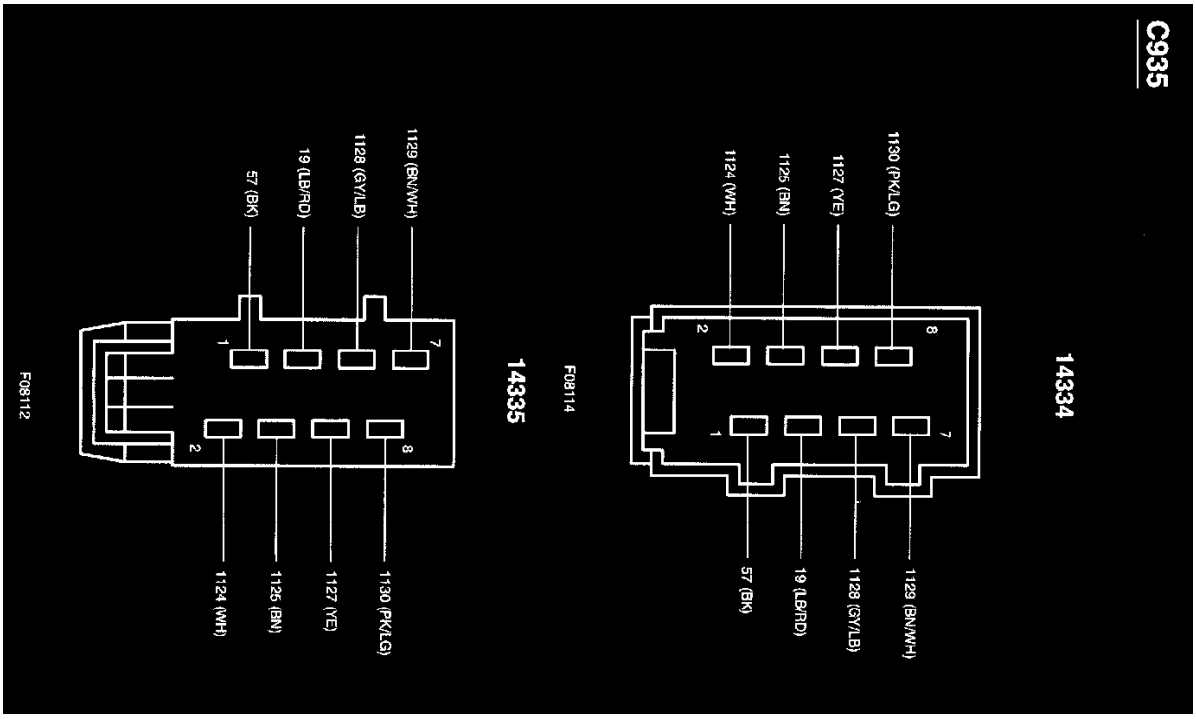
A143
Overhead console

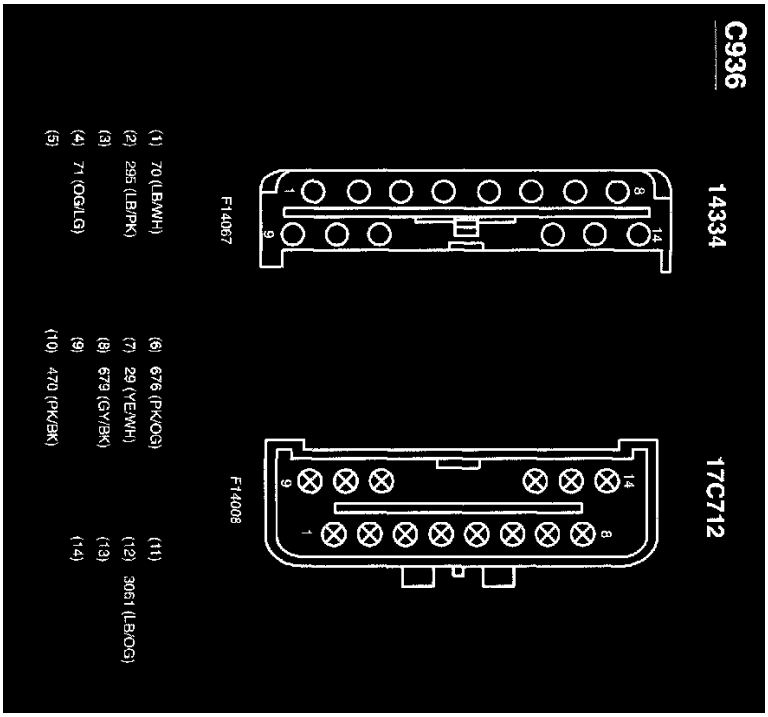


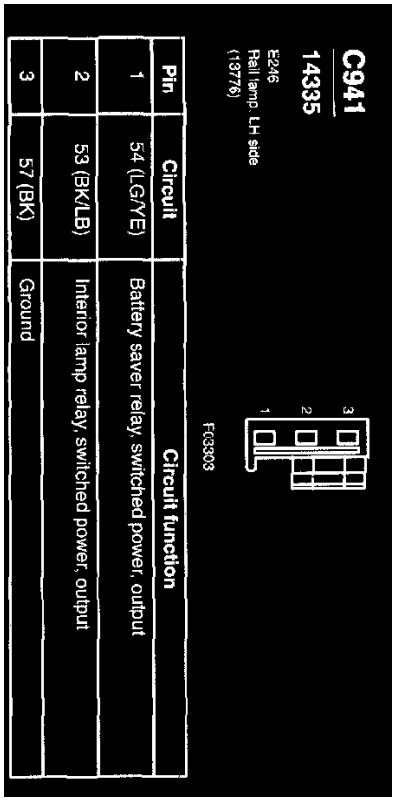
F10009

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	–	not used
3	29 (YE/WH)	Fuel pump/fuel gauge sender
4	70 (LB/WH)	ISO Bus
5	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
6	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
7	640 (RD/YE)	Voltage in Run (overload protected)
8	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
9	19 (LB/RD)	Illumination dimmer
10	–	not used


C934
14334
194 (PK)
1159 (WH/LB)
1121 (DG/YE)
1120 (BK/WH)
751 (DB/WH)
515 (OG/RD)
269 (LB/OG)
F08112
14335
751 (DB/WH)
515 (OG/RD)
269 (LB/OG)
194 (PK)
1159 (WH/LB)
1121 (DG/YE)
1120 (BK/WH)
F08114


C935
14334
1130 (PK/LG)
1127 (YE)
1125 (BN)
1124 (WH)
1129 (BN/WH)
1128 (GY/LB)
19 (LB/RD)
57 (BK)
F08114
14335
1129 (BN/WH)
1128 (GY/LB)
19 (LB/RD)
57 (BK)
1130 (PK/LG)
1127 (YE)
1125 (BN)
1124 (WH)
F08112

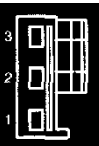

C936
14334
17C712
F14067
F14008
(1) 70 (LB/WH)
(2) 295 (LB/PK)
(3)
(4) 71 (OG/LG)
(5)
(6) 676 (PK/OG)
(7) 29 (YE/WH)
(8) 679 (GY/BK)
(9)
(10) 470 (PK/BK)
(11)
(12) 3061 (LB/OG)
(13)
(14)


C941
14335
E246
Rail lamp, LH side
(13776)
FG3303
Pin
Circuit
Circuit function
1
54 (LG/YE)
Battery saver relay, switched power, output
2
53 (BK/LB)
Interior lamp relay, switched power, output
3
57 (BK)
Ground

C942

14335

E245
Rail lamp, RH side
(13776)



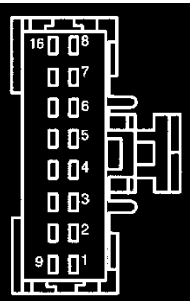
F03303

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	54 (LG/YE)	Battery saver relay, switched power, output

C945

14334

A37
Trip Computer Module (10D898)



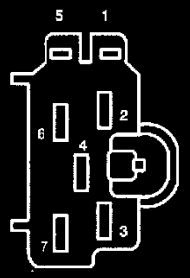
F16137

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	470 (PK/BK)	Sensor signal return (reference/ground), Temperature
3	29 (YE/WH)	Fuel tank sender
4	70 (LB/WH)	ISO Bus
5	679 (GY/BK)	Vehicle Speed Sensor (VSS)
6	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
7	295 (LB/PK)	Voltage in Run (overload protected)
8	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
9	19 (LB/RD)	Instrument illumination
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used

C946

14334

N635
Power vent window switch, left



F07044

Pin	Circuit	Circuit function
1	57 (BK)	Illumination, Ground
2	57 (BK)	Ground
3	1158 (YE/LB)	Window motor
4	194 (PK)	Fused accessory relay
5	19 (LB/RD)	Illumination +
6	1159 (WH/LB)	Window motor
7	57 (BK)	Ground

C947

14335

M287
Power vent window motor, left

F02265

Pin	Circuit	Circuit function
1	1159 (WH/LB)	Window switch
2	1158 (YE/LB)	Window switch

C948

14335

M288
Power vent window motor, right

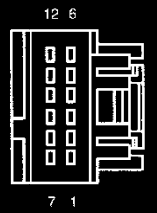
F02431

Pin	Circuit	Circuit function
1	1156 (YE/RD)	Window switch
2	1157 (WH/RD)	Window switch

C949

14335

A433
DVD player



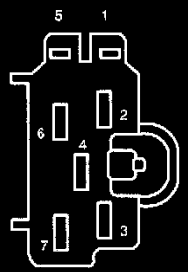
F12139

Pin	Circuit	Circuit function
1	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
2	1068 (LG/BK)	Audio System ON (ASYSON)
3	19 (LB/RD)	Illumination +
4	–	not used
5	856 (VT)	Radio (18806), to CD changer, Left +
6	690 (GY)	Radio (18806), to CD changer, Right +
7	832 (LB/PK)	Audio corporate protocol A
8	833 (TN)	Audio corporate protocol B
9	–	not used
10	694 (BK/LG)	Ground
11	798 (LG/RD)	Radio (18806), to CD changer, Left –
12	799 (OG/BK)	Radio (18806), to CD changer, Right –

C956

14334

N636
Power vent window switch, right



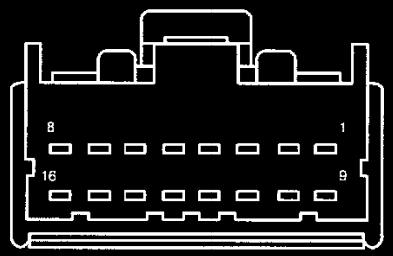
F07044

Pin	Circuit	Circuit function
1	57 (BK)	Illumination, Ground
2	57 (BK)	Ground
3	1156 (YE/RD)	Window motor
4	194 (PK)	Fused accessory relay
5	19 (LB/RD)	Illumination +
6	1157 (WH/RD)	Window motor
7	57 (BK)	Ground

C960

14335

A269
Video display

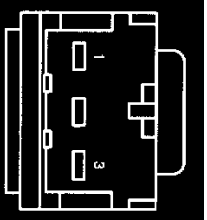


F16119

Pin	Circuit	Circuit function
1	1563 (LG)	Accessory delay
2	694 (BK/LG)	Ground
3	1807 (WH)	VCP video +
4	1808 (BK)	VCP video Drain wire
5	99 (LG/BK)	Audio signal positive, Left
6	76 (LG/WH)	Blue, Drain wire, Left
7	891 (RD/BK)	Audio signal positive, Right
8	1402 (RD/WH)	Audio signal negative, Drain wire, Right
9	1540 (DG)	VCP IR data +
10	1541 (DB)	VCP IR data –
11	48	VCP video, Drain wire
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used

C970
15A404
17C712

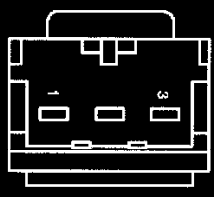
E16
Roof marker lamp, left



Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	14 (BN)	Power, Exterior lamps

C971
15A404
17C712

E266
Roof marker lamp, left center



Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	14 (BN)	Power, Exterior lamps

C972
15A404
17C712

E267
Roof marker lamp, center

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	14 (BN)	Power, Exterior lamps

C973
15A404
17C712

E268
Roof marker lamp, right center

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	14 (BN)	Power, Exterior lamps

C974

15A404

17C712

E17
Roof marker lamp, right

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C983

15B484

17C712

C984
15B484

E16
Roof marker lamp, left

Lariat

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C985
15B484

E266
Roof marker lamp, left center

Lariat

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C986
15B484

E267
Roof marker lamp, center

Lariat

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C987
15B484

E268
Roof marker lamp, right center

Lariat

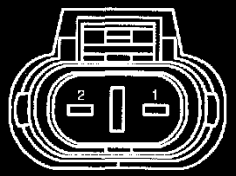
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C988

15B484

E17
Roof marker lamp, right

Lariat



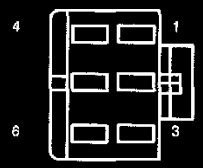
F02443

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C989a

14334

N637
Auxiliary function selector switch assembly, front



F06273

Pin	Circuit	Circuit function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	515 (OG/RD)	Resistor, Blower motor, High
3	1121 (DG/YE)	Switched ground
4	57 (BK)	Ground
5	751 (DB/WH)	Heater blower motor resistor, rear (19A706)
6	1120 (BK/WH)	Off

C989b

14334

N637
Auxiliary function selector switch assembly, front

F02243

Pin	Circuit	Circuit function
1	19 (LB/RD)	Switch illumination
2	57 (BK)	Illumination Ground

C989c

14334

N637
Auxiliary function selector switch assembly, front

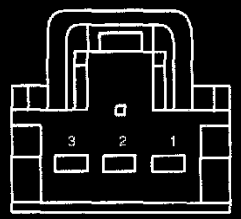
F03185

Pin	Circuit	Circuit function
1	1129 (BN/WH)	Signal Ground
2	1123 (YE/WH)	position sense
3	1128 (GY/LB)	signal +

C989d

14334

N637
Auxiliary function selector switch assembly, front



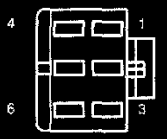
F03165

Pin	Circuit	Circuit function
1	1125 (BN)	Signal Ground
2	1122 (RD)	position sense
3	1124 (WH)	signal +

C990a

14335

N638
Auxiliary function selector switch assembly, rear



F06273

Pin	Circuit	Circuit function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	515 (OG/RD)	Resistor, Blower motor, High
3	-	not used
4	1120 (BK/WH)	Ground
5	751 (DB/WH)	Heater blower motor resistor, rear (19A706)
6	756 (RD/PK)	Heater blower motor resistor, rear (19A706)

C990b

14335
14334

N638
Auxiliary function selector switch assembly, rear

F02243

Pin	Circuit	Circuit function
1	57 (BK)	Illumination Ground
2	19 (LB/RD)	Illumination +

C990c

14334/14335

N638
Auxiliary function selector switch assembly, rear

F03165

Pin	Circuit	Circuit function
1	1129 (BN/WH)	Signal Ground
2	1130 (PK/LG)	position sense
3	1128 (GY/LB)	signal +

C990d

14334/14335

N638
Auxiliary function selector switch assembly, rear

Pin	Circuit	Circuit function
1	1125 (BN)	Signal Ground
2	1127 (YE)	position sense
3	1124 (WH)	signal +

C991

13A718

14335

C1008
12A581

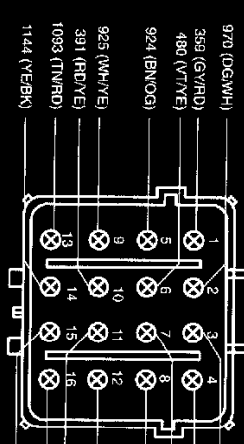
K107
A/C clutch relay

F05129

Pin	Circuit	Circuit function
85	331 (PK/YE)	A/C clutch relay, control
86	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
30	326 (WH/VT)	Voltage supplied at all times (overload protected)
87A	–	not used
87	321 (GY/WH)	A/C clutch relay, switched output

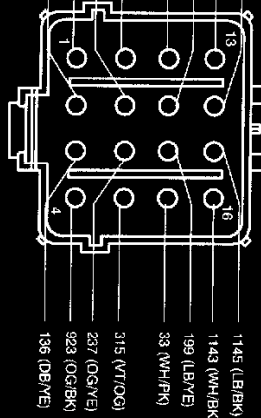
C1010

15525



F16087

12A581



F16220

C1021

12A581

E1
Headlamp, left (13008)

F031169

Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)

C1023

12A581

E164
Park/turn lamp, left front (13411)

F03009

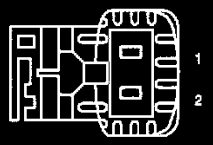
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LG/WH)	Turn lamps, feed, left front

Pin	Circuit	Circuit function
1	22 (LB/BK)	Brake feed
	*361 (RD)	Brake feed
2	307 (BK/YE)	Brake pressure switch (2B264), input

C1031

12A581

M3
Heater blower motor
(19805)



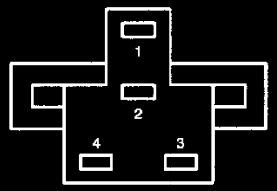
F02329

Pin	Circuit	Circuit function
1	181 (BN/OG)	switched power, from Blower motor relay
2	261 (OG/BK)	Blower motor, to switch

C1032

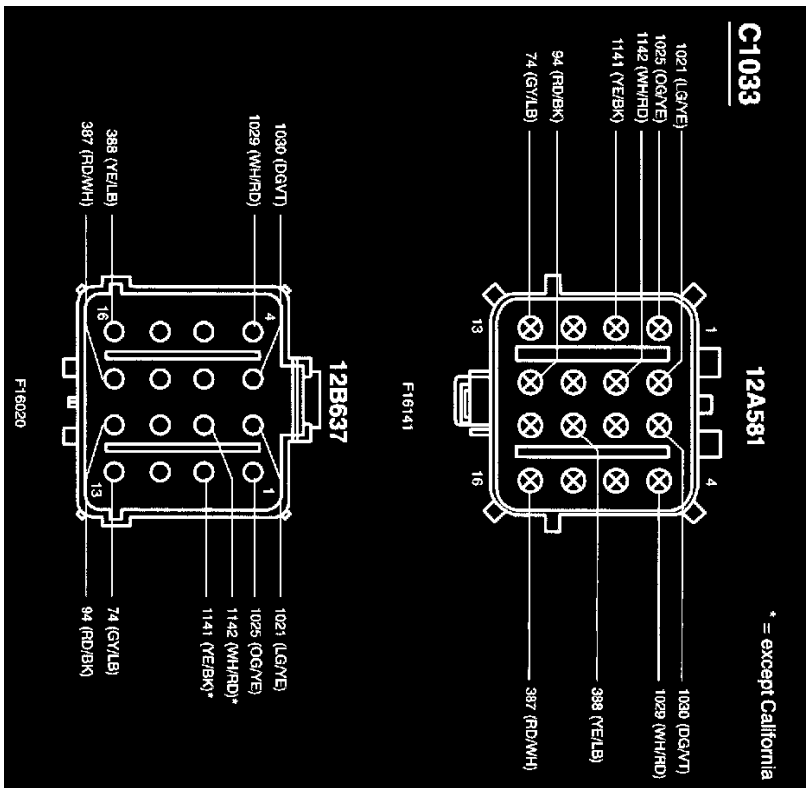
12A581

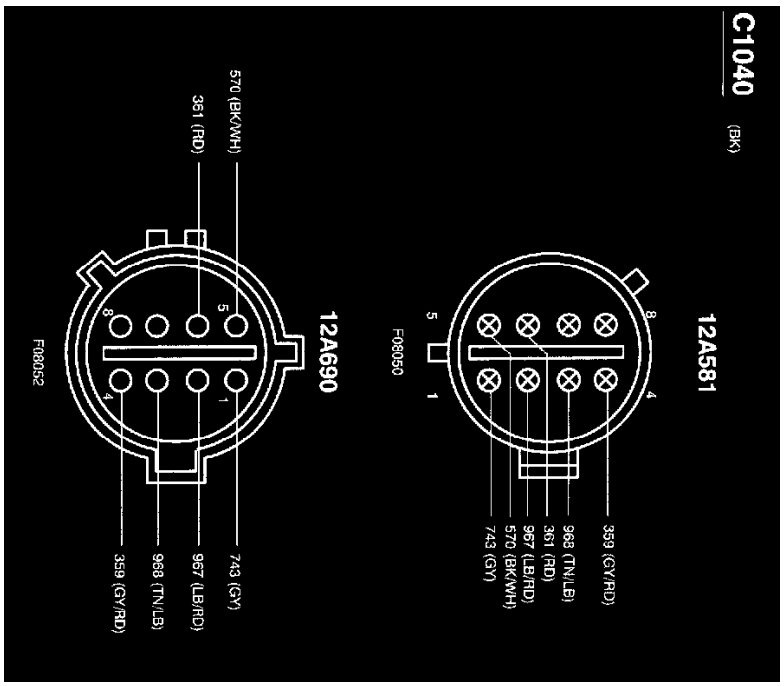
R77
Heater blower motor
resistor, front
(19A706)



F04074

Pin	Circuit	Circuit function
1	754 (LG/WH)	Blower switch speed control, to resistor
2	57 (BK)	Ground
3	752 (YE/RD)	Blower switch speed control, to resistor
4	261 (OG/BK)	Blower motor, to switch – High

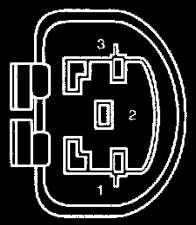

C1033
12A581
* = except California
1021 (LG/YE)
1025 (OG/YE)
1142 (WH/RD)
1141 (YE/BK)
94 (RD/BK)
74 (GY/LB)
1030 (DG/VT)
1029 (WH/RD)
388 (YE/LB)
387 (RD/WH)
F16141
12B637
1030 (DG/VT)
1029 (WH/RD)
388 (YE/LB)
387 (RD/WH)
1021 (LG/YE)
1025 (OG/YE)
1142 (WH/RD)*
1141 (YE/BK)*
74 (GY/LB)
94 (RD/BK)
F16020


C1040
(BK)
12A581
359 (GY/RD)
968 (TN/LB)
361 (RD)
967 (LB/RD)
570 (BK/WH)
743 (GY)
F08050
12A690
570 (BK/WH)
361 (RD)
743 (GY)
967 (LB/RD)
968 (TN/LB)
359 (GY/RD)
F08052

C1041

12A581

E7
Headlamp, right
(13008)



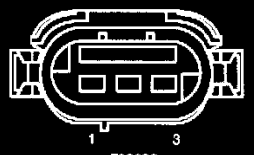
F03169

Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	1056 (DB/LG)	Headlamp, right (13008) – fused feed
	161 (DG/OG)	Headlamp, right (13008) – fused feed

C1043

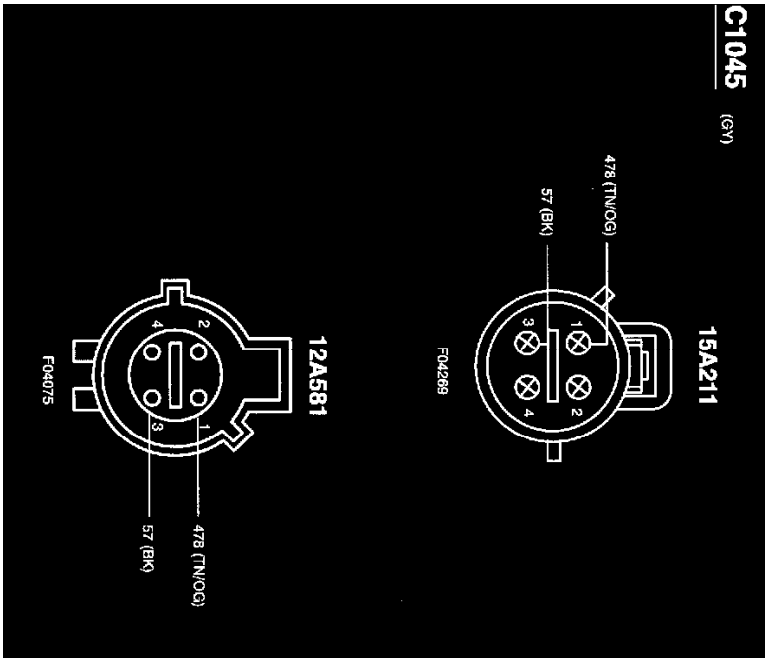
12A581

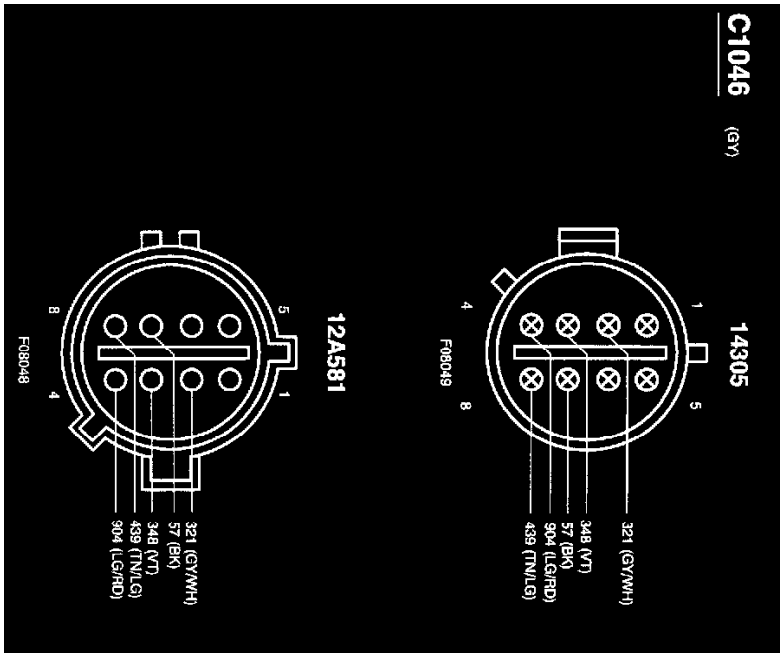
E166
Park/turn lamp, right
front (13411)



F03099

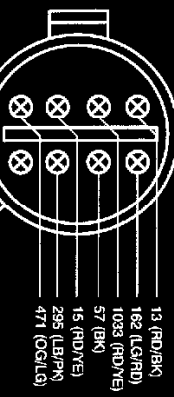
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	2 (WH/LB)	Turn lamps, feed, right front


C1045
(GY)
15A211
478 (TN/OG)
57 (BK)
1
2
3
4
F04269
12A581
2
4
1
3
478 (TN/OG)
57 (BK)
F04075

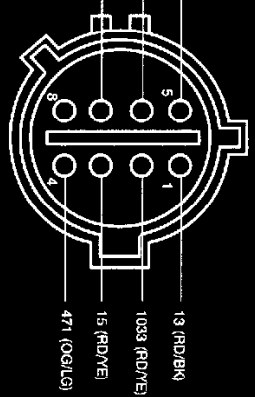

C1046
(GY)
14305
1
5
4
8
321 (GY/WH)
348 (VT)
57 (BK)
904 (LG/RD)
439 (TN/LG)
F08049
12A581
5
1
8
4
321 (GY/WH)
57 (BK)
348 (VT)
439 (TN/LG)
904 (LG/RD)
F08048

C1047 (BK)

13K027



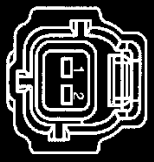
12A581



C1063

12A581

Y202
EVAP canister vent control solenoid



Pin	Circuit	Circuit function
1	391 (RD/YE)	Power (Start or Run)
2	91 (VT/WH)	Switched ground

C1064

9D930

B10
Engine Coolant Temperature (ECT) sensor (12A648)

7.3L Diesel

F02475

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground)
2	45 (YE/RD)	signal +

C1066

12B637

Y133
Idle air control valve (IAC) (9F715)

F02475

Pin	Circuit	Circuit function
1	361 (RD)	PCM power relay, fused feed
2	264 (WH/LB)	Switched ground

C1068

12B637

B257
Differential pressure feedback EGR (DPFE) sensor (9J460)

F03071

Pin	Circuit	Circuit function
1	352 (BN/LG)	signal, Out
2	359 (GY/RD)	Sensor signal return (reference/ground)
3	351 (BN/WH)	Reference voltage

C1076 (WH)

9D930

R32
Fuel heater

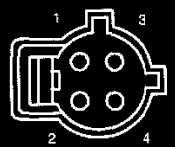
F02111

Pin	Circuit	Circuit function
1	16 (RD/LG)	Fuel heater, Power
2	1280 (GY/RD)	Water-in-fuel sensor

C1078 (GY)

12A581/14305/19B573

N126
A/C high pressure switch (19D594)

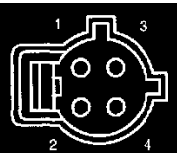


Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
	570 (BK/WH)	Ground
2	–	not used
3	439 (TN/LG)	A/C pressure switch, signal
	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
4	–	not used

C1081 (BN)

19B573/14305/12A581

N75
A/C compressor cycling switch
(19E561)



Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
2	–	not used
3	–	not used
4	348 (VT)	A/C demand signal

C1087

12A581

B2
Manifold Absolute Pressure (MAP) sensor

F03124

Pin	Circuit	Circuit function
1	351 (BN/WH)	Reference, voltage
2	358 (LG/BK)	Manifold Absolute Pressure (MAP) sensor, to, Powertrain Control Module (PCM) (12A650)
3	359 (GY/RD)	signal, return

C1100a

14300

O1
Battery (10655)

F01169

Pin	Circuit	Circuit function
1	2037 (RD)	Battery Power

C1100b

14301

C1
Battery (10655)

7.3L Diesel

gasoline engines

Pin	Circuit	Circuit function
1	2057 (BK)	Ground

C1119

12A581

M278
Vacuum pump motor

Diesel only

Pin	Circuit	Circuit function
1	–	not used
2	57 (BK)	Ground
3	–	not used
4	295 (LB/PK)	Voltage, hot in run only

C1126

12A581

E32
Side lamp, right front (13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C1127

12A581

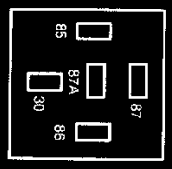
E40
Side lamp, left front (13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C1129

15525

K378
Transfer case low to high relay

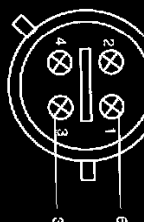


Pin	Circuit	Circuit function
87	704 (DG/LG)	Voltage supplied at all times (overload protected)
87A	57 (BK)	Ground
86	704 (DG/LG)	Voltage supplied at all times (overload protected)
30	777 (YE)	Four-wheel drive control module, to, Transfer case assembly
85	782 (BN/WH)	Switched ground

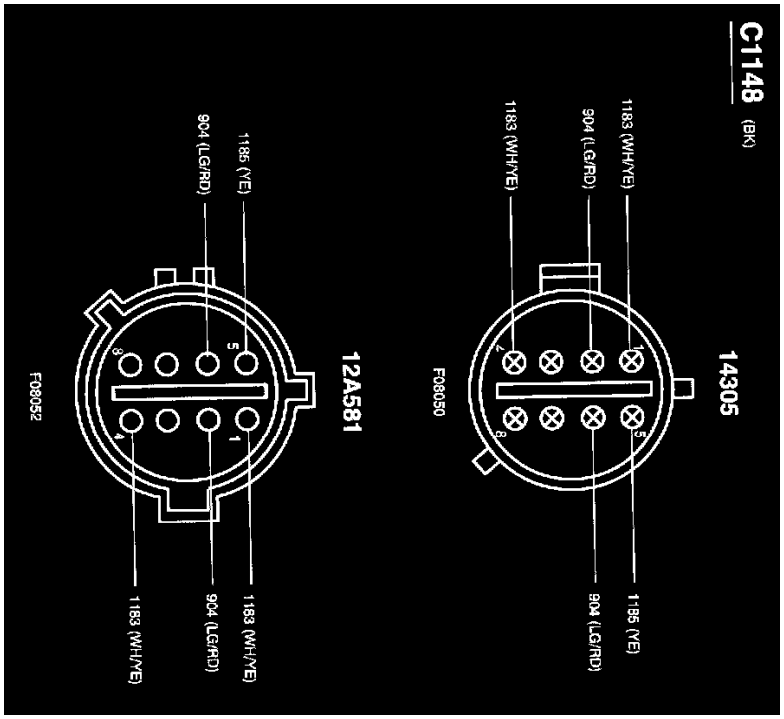
C1147

(BK)

12A581



14K073



C1159
12A581

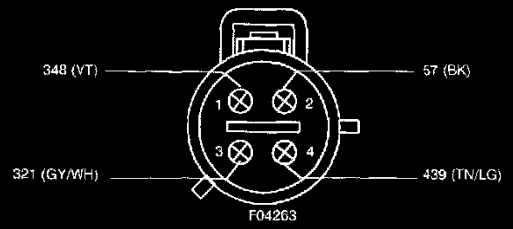
E27
Engine compartment lamp

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	54 (LG/YE)	Battery saver relay, switched power, output

C1168

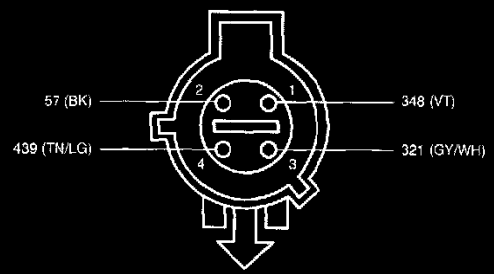
(BK)

12A581



F04263

19B573

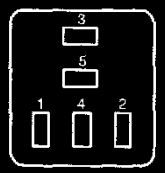


F04251

C1170

12A581
13K027

K389
Park brake relay



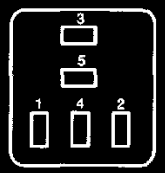
F05139

Pin	Circuit	Circuit function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	162 (LG/RD)	Parking brake switch (15A851)
3	295 (LB/PK)	electronic cluster, Accessory, feed
4	175 (BK/YE)	Voltage supplied at all times (overload protected)
5	–	not used

C1171

13K027
12A581

K370
Daytime Running Lamps (DRL) relay 1



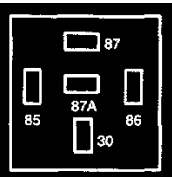
F05139

Pin	Circuit	Circuit function
1	15 (RD/YE)	Power, Hot with Headlamps on
2	57 (BK)	Ground
3	175 (BK/YE)	Voltage supplied at all times (overload protected)
4	1032 (WH/BK)	Trailer tow relay, feed
5	–	not used

C1172

12A581
13K027

K371
Daytime Running Lamps (DRL) relay 2



F05129

Pin	Circuit	Circuit function
30	13 (RD/BK)	fused feed
85	1032 (WH/BK)	Coil, feed
86	57 (BK)	Ground
87	471 (OG/LG)	Dropping resistor
87A	1033 (RD/YE)	Headlamp circuit (DRL)

C1173
15525

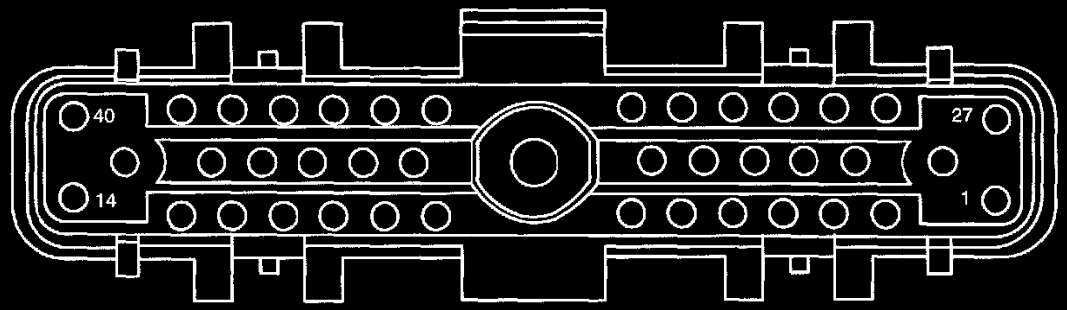
K379
Transfer case high
to low relay

Pin	Circuit	Circuit function
86	704 (DG/LG)	Voltage supplied at all times (overload protected)
87A	57 (BK)	Ground
87	704 (DG/LG)	Voltage supplied at all times (overload protected)
30	778 (OG)	Four–wheel drive control module, to, Transfer case assembly
85	781 (OG/LB)	Switched ground

C1174

12A581

A415
Injector Driver Module (IDM)



Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	Signal return
3	–	not used
4	818 (GY/WH)	Powertrain Control Module (PCM) (12A650), Communication
5	–	not used
6	555 (TN)	Fuel injector 1, control
7	558 (BN/LB)	Fuel injector 4, control
8	559 (TN/BK)	Fuel injector 5, control
9	562 (LB)	Fuel injector 8, control
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	876 (DG/LG)	Power, from, Injector Driver Module (IDM) power relay
15	–	not used
16	817 (YE/LB)	cylinder identification, signal, input
17	821 (BN/OG)	fuel delivery command, signal, input
18	48	Shield
19	560 (LG/OG)	Fuel injector 6, control
20	561 (TN/RD)	Fuel injector 7, control

Pin	Circuit	Circuit function
21	557 (BN/YE)	Fuel injector 3, control
22	556 (WH)	Fuel injector 2, control
23	878 (PK/YE)	Fuel injectors, LH side, feed
24	1087 (OG)	Fuel injectors, RH side, feed
25	–	not used
26	574 (BK/PK)	Ground
27	–	not used
28	–	not used
29	–	not used
30	–	not used
31	–	not used
32	–	not used
33	–	not used
34	–	not used
35	–	not used
36	–	not used
37	–	not used
38	–	not used
39	–	not used
40	–	not used

C1177
15525

N628
4x4 High/Low indicator switch

F02453

Pin	Circuit	Circuit function
1	975 (BN/YE)	Four-wheel drive control module, to, Transfer case assembly
2	210 (LB)	Four-wheel drive control module, to, Instrument cluster

C1180 (GY)
9D930

B41
Camshaft position sensor (63288)

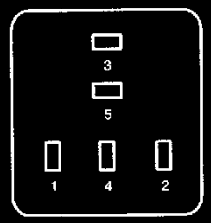
F03231

Pin	Circuit	Circuit function
A	796 (LB)	Signal return
B	351 (BN/WH)	Reference voltage
C	795 (DG)	signal

C1187

12A581

K352
Trailer tow relay, right turn



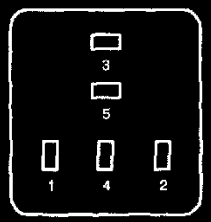
F05139

Pin	Circuit	Circuit function
1	5 (OG/LB)	Relay, control
2	57 (BK)	Ground
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	–	not used
5	64 (DG)	Wire insulation is one color, Turn signal

C1188

12A581

K353
Trailer tow relay, left turn



F05139

Pin	Circuit	Circuit function
1	9 (LG/OG)	Relay, control
2	57 (BK)	Ground
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	–	not used
5	52 (YE)	Trailer lamp socket, Turn signal

C1189
12B637

B8
Throttle Position Sensor (TPS) (9B989)

F03175

Pin	Circuit	Circuit function
1	351 (BN/WH)	Reference voltage
2	355 (GY/WH)	position sense
3	359 (GY/RD)	Sensor signal return (reference/ground)

C1195
12A581

P133
Vapor management valve

F02105

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	191 (LG/BK)	Powertrain Control Module (PCM) (12A650). EVAP canister purge valve

C1204
12B637

Y240
Fuel injector 9
(9F593)

F02069

Pin	Circuit	Circuit function
1	1100 (GY/BK)	control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C1205
12B637

Y241
Fuel injector 10
(9F583)

F02069

Pin	Circuit	Circuit function
1	1101 (GY/RD)	control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C1206

12B637

P89
Coil On Plug (COP)
9

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1142 (WH/RD)	control

C1207

12B637

P150
Coil On Plug (COP)
10

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1021 (LG/YE)	Coil On Plug (COP) 5 (12029), control

C1210

12A581

B269
Air filter sensor

Pin	Circuit	Circuit function
1	142 (LB/RD)	to Instrument cluster
2	57 (BK)	Ground

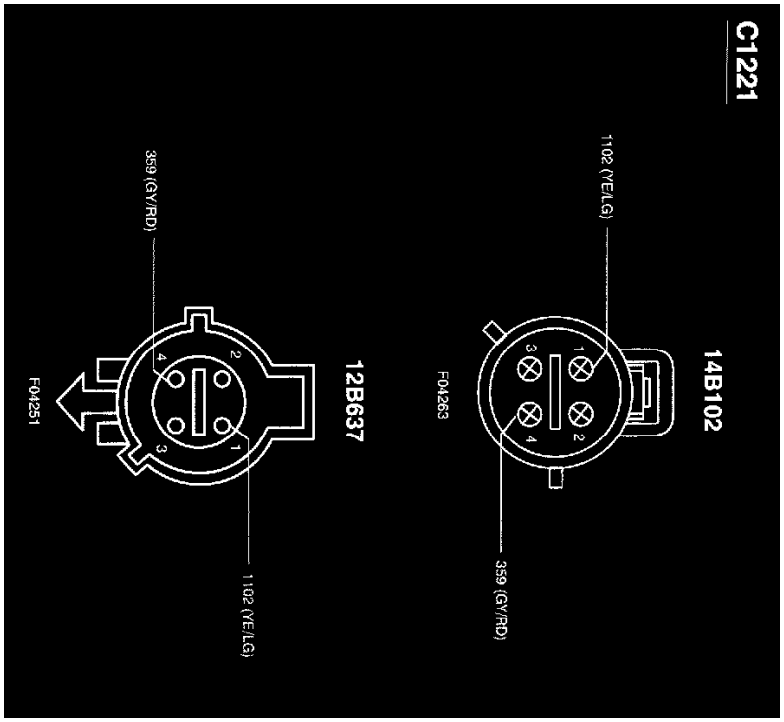
C1220

15525

(1) 523 (RD/PK)
(2) 519 (LG/BK)
(3) 9 (LG/OG)
(4) 5 (OG/LB)
(5) 64 (DG)
(6) 52 (YE)
(7) 511 (LG)
(8) 351 (BN/WH)
(9) 791 (RD/PK)
(10) 359 (GY/RD)
(11) –
(12) –

14405

(13) 392 (RD/LG)
(14) 389 (WH/BK)
(15) 391 (RD/YE)
(16) –



C1236 (BK)

9D930

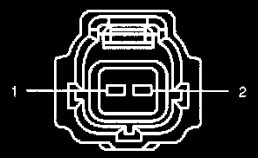
B5
Air Charge Temperature (ACT) sensor

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground)
2	1291 (RD/YE)	signal from Powertrain Control Module (PCM) (12A650)

C1246 (GN)

9D930

Y251
Waste gate solenoid



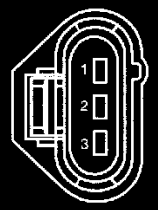
F02091

Pin	Circuit	Circuit function
1	1275 (WH/RD)	Switched ground
2	16 (RD/LG)	Voltage, ignition switch in Start or Run (not overload protected)

C1247

12A581

Y252
Electronic Shift On the Fly (ESOF) solenoid



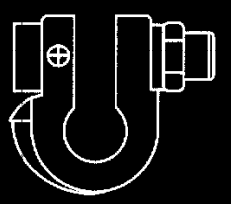
F03071

Pin	Circuit	Circuit function
1	145 (GY/BK)	Shift solenoid
2	295 (LB/PK)	Voltage in Run (overload protected)
3	605 (RD)	Shift solenoid

C1249a

14B060
14305

C3
Battery II

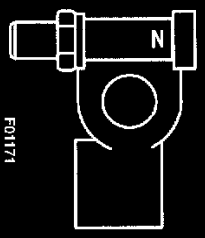


Pin	Circuit	Circuit function
1	2037 (RD)	Battery Power

C1249b

14301

C3
Battery II



Pin	Circuit	Circuit function
1	2057 (BK)	Ground

C1251a

14305

C47
Generator, secondary

F03093

Pin	Circuit	Circuit function
1	1185 (YE)	Charge (including: ammeter/voltmeter) indicator
2	–	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C1251c

14305

C47
Generator, secondary

F01085

Pin	Circuit	Circuit function
1	36 (YE/WH)	Voltage supplied at all times (overload protected)

C1253 (BK)

15525

M12
Fuel pump

F04263

Pin	Circuit	Circuit function
1	–	not used
2	787 (PK/BK)	Fuel pump Power
3	57 (BK)	Ground
4	–	not used

C1271 (BK)

9D930

B279
Exhaust Back Pressure (EBP) sensor

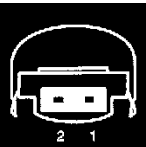
F03120

Pin	Circuit	Circuit function
A	359 (GY/RD)	Sensor signal return (reference/ground)
B	351 (BN/WH)	Reference voltage
C	553 (VT/LB)	position sense

C1272 (BK)

9D930

Y265
Exhaust Pressure
Regulator (EPR)



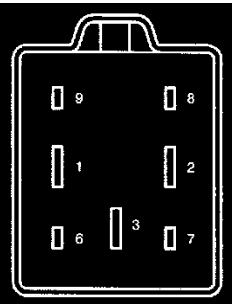
F02497

Pin	Circuit	Circuit function
1	570 (BK/WH)	Ground
2	318 (GY/RD)	switched power from Powertrain Control Module (PCM) (12A650)

C1273a (GN)

9D930

A407
Glow plug control
module (GPCM)



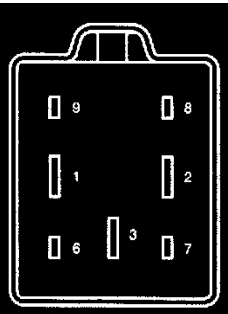
F07101

Pin	Circuit	Circuit function
1	110 (BN/WH)	Glow plug 5, control
2	110 (BN/RD)	Glow plug 7, control
3	380 (BK/OG)	Battery Power
4	–	not used
5	–	not used
6	110 (BN/BU)	Glow plug 1, control
7	110 (BN/GN)	Glow plug 3, control
8	1086 (VT/OG)	Powertrain Control Module (PCM) (12A650)
9	1277 (WH/LG)	Powertrain Control Module (PCM) (12A650)

C1273b (BK)

9D930

A407
Glow plug control module (GPCM)

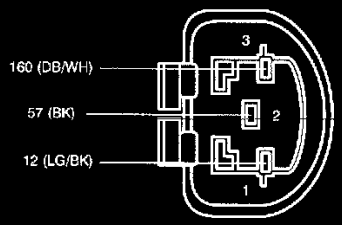


F07101

Pin	Circuit	Circuit function
1	110 (YE/WH)	Glow plug 6, control
2	110 (YE/RD)	Glow plug 8, control
3	380 (BK/OG)	Battery Power
4	–	not used
5	–	not used
6	110 (YE/BU)	Glow plug 2, control
7	110 (YE/GN)	Glow plug 4, control
8	–	not used
9	361 (RD)	PCM power relay, fused feed

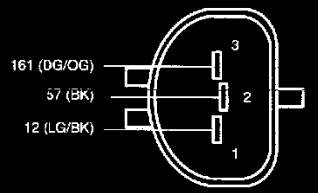
C1278

12A581



F03169

13A006



F03289

* California

C1279 (BK)

9D930

F09037

Pin	Circuit	Circuit Function
A	110 (BN)	Glow plug 1, Power
	*110 (BN/DB)	
B	110 (BN)	Glow plug 3, Power
	*110 (BN/GN)	
C	555 (TN)	Fuel injector 1, control
D	557 (BN/YE)	Fuel injector 3, control
E	1087 (OG)	Fuel injectors, Power
F	559 (TN/BK)	Fuel injector 5, control
G	561 (TN/RD)	Fuel injector 7, control
H	110 BN)	Glow plug 5, Power
	*110 (BN/WH)	
J	110 (BN)	Glow plug 7, Power
	*110 (BN/RD)	

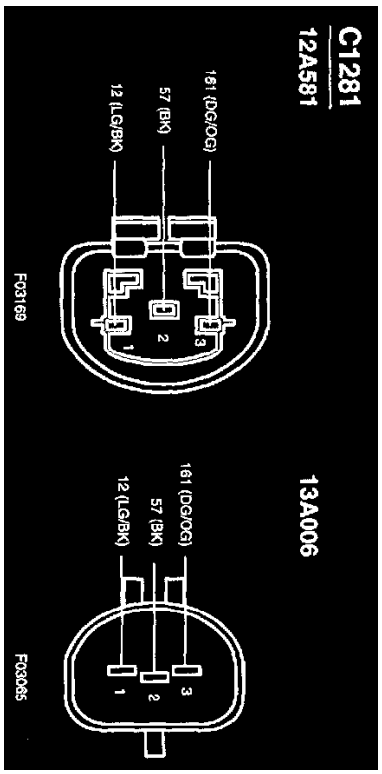
* California

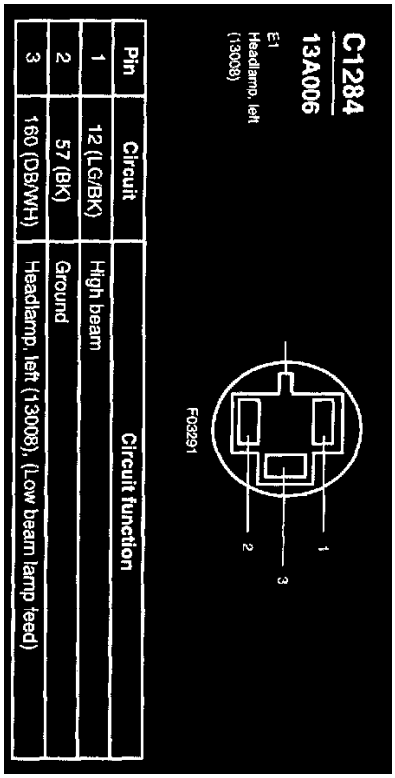
C1280 (BK)

9D930

F09037

Pin	Circuit	Circuit Function
A	110 (BN)	Glow plug 8, Power
	*110 (YE/RD)	
B	110 (BN)	Glow plug 6, Power
	*110 (YE/WH)	
C	562 (LB)	Fuel injector 8, control
D	560 (LG/OG)	Fuel injector 6, control
E	878 (PK/YE)	Fuel injectors, Power
F	558 (BN/LB)	Fuel injector 4, control
G	556 (WH)	Fuel injector 2, control
H	110 BN)	Glow plug 4, Power
	*110 (YE/GN)	
J	110 (BN)	Glow plug 2, Power
	*110 (YE/DB)	





Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)

C1285
13A006

E7
Headlamp, right (13008)

Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)

C1303 (BK)
9D930

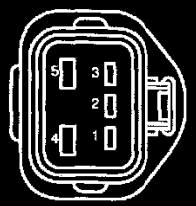
B285
Injection pressure sensor

Pin	Circuit	Circuit function
A	359 (GY/RD)	Sensor signal return (reference/ground)
B	351 (BN/WH)	Reference voltage
C	812 (DB/LG)	Pressure, monitor

C1308

12A581

M200
Front blower motor
speed controller
(19E624)



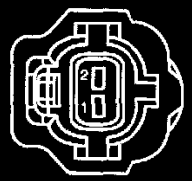
F05089

Pin	Circuit	Circuit function
1	752 (YE/RD)	Blower switch speed control, to resistor
2	754 (LG/WH)	Blower switch speed control, to resistor
3	261 (OG/BK)	Blower motor, High
4	261 (OG/BK)	Blower motor, In
5	57 (BK)	Ground

C1324

9D930

B214
Coolant temperature
sensor 2



F02027

Pin	Circuit	Circuit function
1	197 (TN/OG)	Coolant temperature sensor, return
2	39 (RD/WH)	Coolant temperature sensor

C1360 (BK)
9D930
Y249
Injection Pressure Regulator (IPR)

Pin	Circuit	Circuit function
1	361 (RD)	PCM power relay, fused feed
2	552 (YE/RD)	Switched ground

C2003
14401
M236
Adjustable pedal motor (20429)

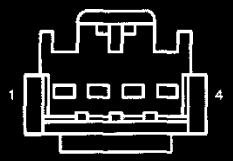
without memory

Pin	Circuit	Circuit function
1	1490 (LB/OG)	Adjustable pedal switch
2	1489 (LB/BK)	Adjustable pedal switch

C2007

14401

A271
Passive anti-theft transceiver



F04257

Pin	Circuit	Circuit function
1	165 (TN/WH)	TX –
2	1266 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	1216 (GY/OG)	RX, signal
4	1215 (WH/LG)	TX, signal

C2008

14401

Y215
Brake shift interlock

F03271

Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage in Run (overload protected)
2	57 (BK)	Ground
3	810 (RD/LG)	Brake pedal position switch (13480), input

C2015

14401

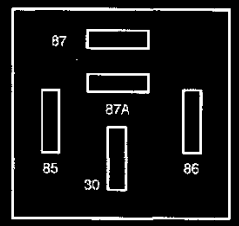
N63
Parking brake
switch (15A851)

F01075

Pin	Circuit	Circuit function
1	162 (LG/RD)	Switched ground

C2017

K73
Blower motor relay

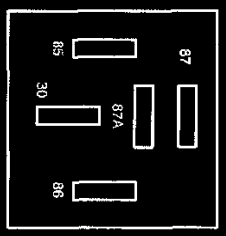


F05129

Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	–	Switched power
86	–	Ground
87	–	Blower motor feed
87A	–	not used

C2021

K1
Rear window defrost relay

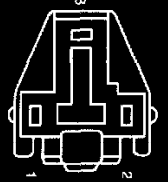


F05129

Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	688 (GY/LB)	control
86	–	Voltage, hot in run only
87	–	Defrost
87A	–	not used

C2031
14401

R42
Cigar lighter, front (15055)

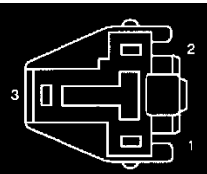


Pin	Circuit	Circuit function
1	40 (LB/WH)	Cigar lighter, feed
2	–	not used
3	57 (BK)	Ground

C2033

14401

N614
Power point, instrument panel (19N236)



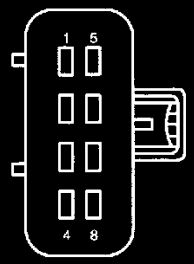
F02389

Pin	Circuit	Circuit function
1	1049 (BN/PK)	Voltage supplied at all times (overload protected)
2	–	not used
3	57 (BK)	Ground

C2035

14401

N470
Parking aid disable switch (15A860)



F08060

Pin	Circuit	Circuit function
1	676 (PK/OG)	Switched ground
2	1435 (DG/VT)	On/Off signal
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
7	–	not used
8	19 (LB/RD)	Illumination +

C2040

14401

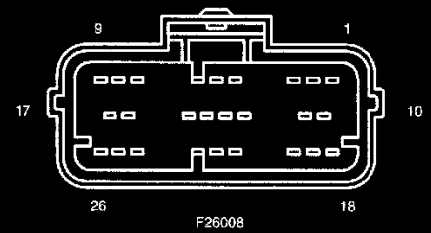
B129
Accelerator pedal position sensor

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	1285 (RD/LG)	position sense
8	355 (GY/WH)	signal +
9	357 (YE/WH)	signal –
10	351 (BN/WH)	Reference, voltage

C2041

14401

A208
Restraints control module (14B321)



Pin	Circuit	Circuit function
1	–	not used
2	609 (OG/YE)	Voltage in Run (overload protected)
3	614 (GY/OG)	Driver air bag, feed, monitor
4	615 (GY/WH)	Driver air bag, return
5	70 (LB/WH)	ISO Bus
6	607 (LB/OG)	Passenger air bag, feed, monitor
7	616 (PK/BK)	Passenger air bag, return
8	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, input
9	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
10	609 (OG/YE)	Voltage in Run (overload protected)
	649 (BK/OG)	Ground, Pickup, without crew cab
11	–	not used
12	–	not used
13	609 (OG/YE)	Voltage in Run (overload protected)
14	609 (OG/YE)	Voltage in Run (overload protected)
	649 (BK/OG)	Ground, Pickup
15	1081 (YE/RD)	Passenger safety belt retractor pretensioner, feed
16	1082 (YE/BK)	Passenger safety belt retractor pretensioner, return
17	–	not used
18	1079 (LG/RD)	Driver safety belt retractor pretensioner, feed
19	–	not used
20	608 (BK/YE)	Air bag indicator, control
21	649 (BK/OG)	Air bag, dedicated ground
22	1080 (LG/BK)	Driver safety belt retractor pretensioner, return
23	–	not used
24	–	not used
25	–	not used
26	1083 (LB/BK)	Air bag, tone driver

C2047

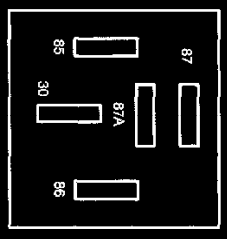
14401

K2
Indicator flasher relay (13350)

Pin	Circuit	Circuit function
30	295 (LB/PK)	electronic cluster, Accessory, feed
85	10 (LG/RD)	Voltage supplied at all times (overload protected)
87A	385 (WH/RD)	Voltage supplied at all times (overload protected)
87	44 (LB)	Turn signal flasher, to turn signal switch
86	57 (BK)	Ground

C2075

K126
Accessory delay relay



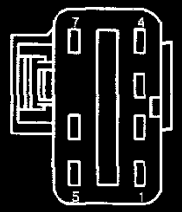
Pin	Circuit	Circuit function
30	–	Battery Power
85	54 (LG/YE)	Fused accessory relay
86	1332 (LB)	control
87	400 (LB/BK)	fused feed
87A	–	not used

C2089

14401

N449
Adjustable pedal switch

* = without memory
** = with memory



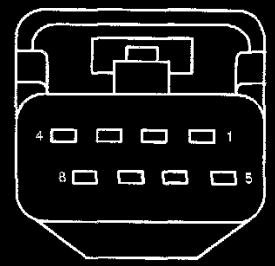
F07103

Pin	Circuit	Circuit function
1	*1489 (LB/BK)	Adjustable pedal motor (2C429)
	**1493 (PK/BK)	Motor position, Forward
2	*1567 (RD/LB)	Voltage supplied at all times (overload protected)
	**676 (PK/OG)	Ground
3	*57 (BK)	Ground
4	57 (BK)	Ground, Illumination
5	19 (LB/RD)	Illumination +
6	57 (BK)	Ground
7	*1490 (LB/OG)	Adjustable pedal motor (2C429)
	**1492 (LB/RD)	Motor position, Rearward

C2093

14401

A283
Remote solenoid assembly



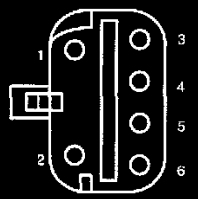
F08159

Pin	Circuit	Circuit function
1	1112 (WH/LB)	common
2	1107 (WH)	Solenoid #1, control
3	1108 (TN/WH)	Solenoid #2, control
4	1109 (OG/BK)	Solenoid #3, control
5	1110 (LG/VT)	Solenoid #4, control
6	1111 (VT)	Solenoid #5, control
7	–	not used
8	–	not used

C2099

14401

N475
Passenger Air bag
Deactivation (PAD)
switch



F06052

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
4	609 (OG/YE)	Voltage supplied at all times (overload protected)
5	649 (BK/OG)	Vehicle identification
6	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, input

C2103

14A005

P5
Clutch triple function
switch jumper

F06084

Pin	Circuit	Circuit function
1	92 (LB/YE)	Voltage in Run (overload protected)
2	1093 (TN/RD)	not used
3	306 (TN/LB)	not used
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
5	33 (WH/PK)	Voltage in Run (overload protected) – gasoline engines
6	199 (LB/YE)	not used

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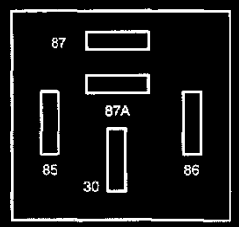
C2110

K355
Trailer tow relay, battery charge



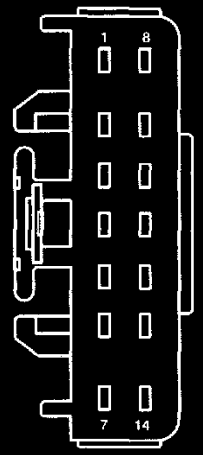
F05129

Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	–	Ground
86	–	Voltage, hot in run only
87	49 (OG)	Trailer battery charge
87A	–	not used

C2113a

14A005

A427
Vehicle Security Module (VSM)



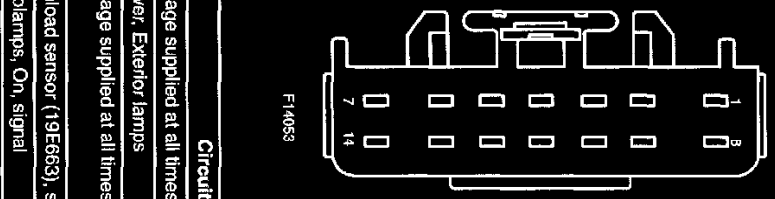
F14049

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	1210 (BK/WH)	Door unlock, logic ground
3	1211 (WH/RD)	Door lock, logic ground
4	765 (YE/BK)	Door ajar switch, driver side front (14018)
5	761 (GY/RD)	Door ajar switch, passenger side front (14018)
6	760 (PK/LB)	Door ajar switch, right rear
7	163 (RD/OG)	Driver door unlock relay, switched power
8	118 (PK/OG)	Door unlock, output
9	–	not used
10	–	not used
11	759 (LG/YE)	Door ajar switch, left rear
12	23 (TN/LG)	Liftgate ajar switch, input
13	–	not used
14	57 (BK)	Ground

C2113b

14A005

A427
Vehicle Security
Module (VSM)

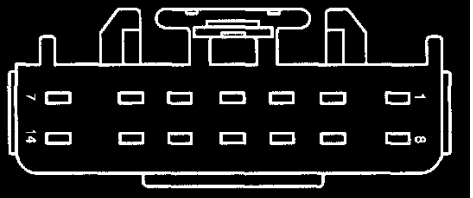


Pin	Circuit	Circuit function
1	116 (RD/BK)	Voltage supplied at all times (overload protected)
2	14 (BN)	Power, Exterior lamps
3	1306 (PK/WH)	Voltage supplied at all times (overload protected)
4	1104 (LB)	Sunload sensor (19E663), signal
5	1399 (DB/WH)	Autolamps, On, signal
6	1 (DB)	Horn relay, control
7	15 (RD/YE)	switched power, autolamps
8	195 (TN/WH)	Park lamp relay – fused feed
9	–	not used
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	196 (DB/OG)	Voltage supplied at all times (overload protected)

C2113c

14A005

A427
Vehicle Security
Module (VSM)

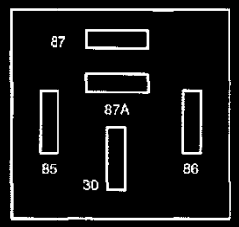


Pin	Circuit	Circuit function
1	–	not used
2	121 (YE/BK)	Key pad, Circuit A
3	123 (RD)	Key pad, Circuit C
4	124 (BN)	Key pad common
5	693 (OG)	UBP Diagnostics
6	66 (LB)	Key pad illumination
7	–	not used
8	–	not used
9	122 (YE)	Key pad, Circuit B
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	–	not used

C2116

14401

K354
Auxiliary A/C relay



F05129

Pin	Circuit	Circuit function
30	364 (BK/LG)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	181 (BN/OG)	Voltage in Run (overload protected)
	295 (LB/PK)	Voltage in Run (overload protected)
87	371 (PK/WH)	Blower motor, rear, feed
87A	–	not used

C2135

14401

N250
Overdrive cancel switch (7G550)

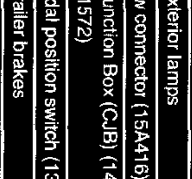
F03245

Pin	Circuit	Circuit function
1	911 (WH/LG)	Transmission Control Indicator Lamp (TCIL)
2	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmission overdrive cancel switch

C2142

14401

A438
Trailer electronic brake control connector



F06138

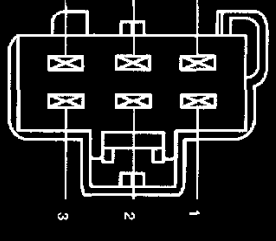
Pin	Circuit	Circuit function
1	—	not used
2	14 (BN)	Power, Exterior lamps
3	206 (WH)	Trailer tow connector (15A416), Ground
4	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
5	511 (LG)	Brake pedal position switch (13480), to stoplamps
6	43 (DB)	Electric trailer brakes

C2159

14401

with memory

M236
Adjustable pedal motor (2C429)

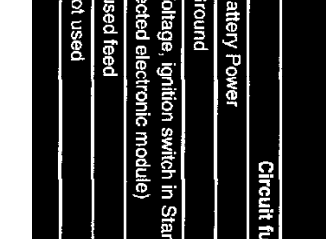


F06112

Pin	Circuit	Circuit function
1	446 (OG/WH)	Sensor signal return (reference/ground)
2	1491 (LB/YE)	position sense
3	447 (OG/RD)	Reference voltage
4	—	not used
5	1490 (LB/OG)	Fwd/Rwd motor
6	1489 (LB/BK)	Fwd/Rwd motor

C2160

K163
PCM power relay

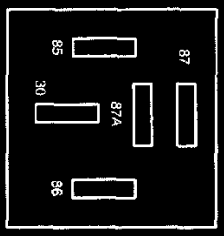


F05129

Pin	Circuit	Circuit function
30	–	Battery Power
85	–	Ground
86	16 (RD/LG)	Voltage, ignition switch in Start or Run (overload protected electronic module)
87	–	fused feed
87A	–	not used

C2163

K22
Starter relay (11450)

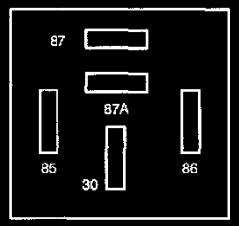


F05129

Pin	Circuit	Circuit function
30	2037 (RD)	Fused battery feed
85	57 (BK)	Ground
86	1093 (TN/RD)	Voltage supplied with park/neutral
87	113 (YE/LB)	to starter solenoid
87A	–	not used

C2170

K360
Injector Driver Module (IDM) power relay



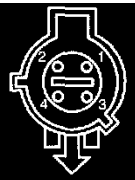
F05129

Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	814 (WH/BK)	Switched ground
86	–	PCM power relay, fused feed
87	876 (DG/LG)	feed
87A	–	not used

C2176

14401

A416
Auxiliary Powertrain Control Module (APCM)



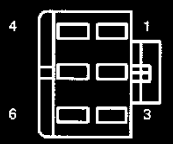
F04251

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	914 (TN/OG)	Standard Corporate Protocol (SCP) data +
3	640 (RD/YE)	Voltage, ignition switch in Start or Run (overload protected electronic module)
4	915 (PK/LG)	Standard Corporate Protocol (SCP) data –

C2194

14401

N629
Fuel tank selector
switch



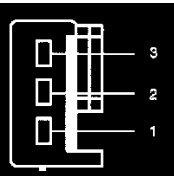
F06273

Pin	Circuit	Circuit function
1	786 (RD)	Fuel tank selector valve
2	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
3	789 (BN/WH)	Fuel tank selector valve
4	789 (BN/WH)	Fuel tank selector valve
5	57 (BK)	Ground
6	786 (RD)	Fuel tank selector valve

C2207

14401

N316
Inertia Fuel Shutoff
(IFS) switch
(9D362)



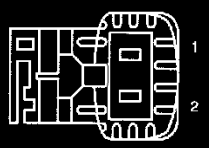
F03072

Pin	Circuit	Circuit function
1	238 (DG/YE)	to Fuel pump relay
2	787 (PK/BK)	Fuel pump, Power
3	–	not used

C3002

14A504

M130
Blower motor, rear
(18456)



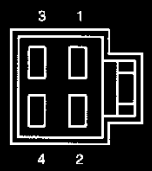
F02329

Pin	Circuit	Circuit function
1	371 (PK/WH)	Blower motor relay, switched output
2	536 (BK/LG)	Blower motor relay, Blower motor

C3003

14A504

R78
Heater blower motor
resistor, rear
(19A706)



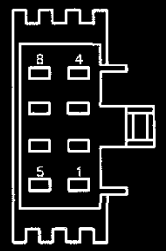
F04249

Pin	Circuit	Circuit function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	756 (RD/PK)	Auxiliary Air Conditioner/Heater, control
3	1132 (YE)	Blower motor, feed
4	751 (DB/WH)	Auxiliary Air Conditioner/Heater, control

C3004

14A504

M145
Blend door actuator, rear (19E616)



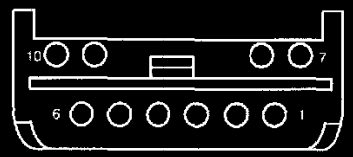
F08059

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	1126 (LB)	Rear A/C control module, signal
4	1124 (WH)	Temperature blend door actuator (19E616), feed
5	–	not used
6	1125 (BN)	Temperature blend door actuator (19E616), return
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	57 (BK)	Ground

C3005

14A504

A404
Rear A/C control module



F10009

Pin	Circuit	Circuit function
1	1130 (PK/LG)	Mode door actuator, rear (19E616), position sense
2	1126 (LB)	Blend door actuator, control
3	1131 (LG)	Mode door actuator, rear (19E616), control
4	1121 (DG/YE)	Switched ground
5	1122 (RD)	Blend door actuator, position sense
6	57 (BK)	Ground
7	–	not used
8	295 (LB/PK)	Voltage in Run (overload protected)
9	1127 (YE)	Blend door actuator, position sense
10	1123 (YE/WH)	Mode actuator, position sense

C3007
14B084

C3009
14A005

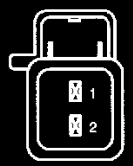
N615
Power point, C pillar
(19N236)

Pin	Circuit	Circuit function
1	1543 (YE)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C3014

14A005

A225
Driver safety belt retractor pretensioner



F02042

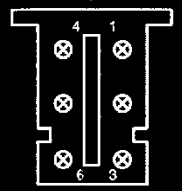
Pin	Circuit	Circuit function
1	1079 (LG/RD)	Driver safety belt retractor pretensioner, feed
2	1080 (LG/BK)	Driver safety belt retractor pretensioner, return

C3015

14B084

M215
Power seat motor assembly, right

without memory



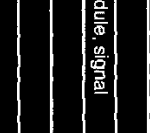
F06138

Pin	Circuit	Circuit function
1	987 (RD/WH)	Seat adjust switch, to, Passenger seat horizontal motor
2	985 (RD/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
3	984 (YE/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
4	986 (YE/WH)	Seat adjust switch, to, Passenger seat horizontal motor
5	988 (YE/LG)	Seat adjust switch, to, front, Tilt, Seat motor
6	989 (RD/LG)	Seat adjust switch, to, front, Tilt, Seat motor

C3044

14A504

M261
Mode door actuator, rear (19E616)

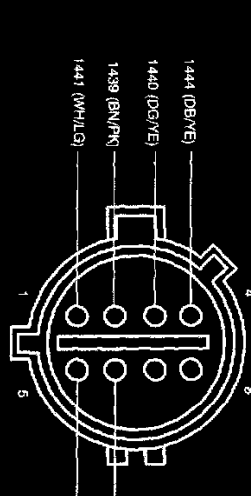


F08059

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	1131 (LG)	Rear A/C control module, signal
4	1128 (GY/LB)	signal, +
5	–	not used
6	1129 (BN/WH)	Signal return
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	57 (BK)	Ground

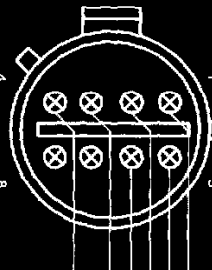
C3047 (GY)

14405



F08048

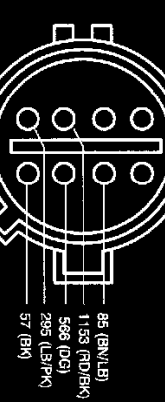
14A005



F08049

C3049

14A005



F08049

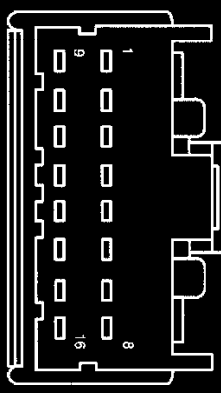
14B084

F08048

C3076

14B079

A270
Video cassette player



F16119

Pin	Circuit	Circuit function
1	1564 (RD)	Accessory delay
2	–	not used
3	–	not used
4	1802 (DG)	audio Switch illumination
5	1540 (DG)	VCP IR data +
6	99 (LG/BK)	Audio signal positive, Left
7	891 (RD/BK)	Audio signal positive, Right
8	47 (LB/WH)	VCP video +
9	–	not used
10	–	not used
11	–	not used
12	1541 (DB)	VCP IR data –
13	694 (BK/LG)	Ground
14	1402 (RD/WH)	Audio signal negative, Drain wire, Right
15	76 (LG/WH)	Audio signal negative, Drain wire, Left
16	48	VCP video Drain wire

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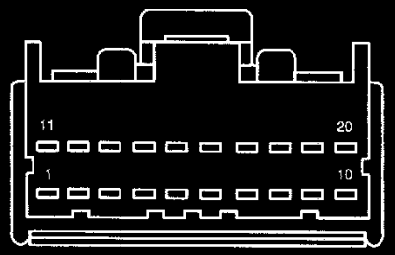
C3077a

14B079

A267
Rear Seat Entertainment (RSE) module



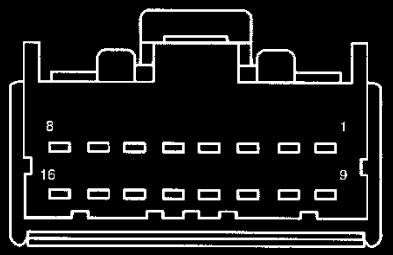
F20060

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	47 (LB/WH)	VCP video + input
7	99 (LG/BK)	Audio signal positive, Left
8	891 (RD/BK)	Audio signal positive, Right
9	1807 (WH)	VCP video + output
10	1802 (DG)	Rear Seat Entertainment (RSE) module
11	1559 (RD)	Audio signal positive, Left
12	1560 (WH)	Audio signal negative, Left
13	1561 (OG)	Audio signal positive, Right
14	1562 (YE)	Audio signal negative, Right
15	48	audio Drain wire
16	48	VCP Drain wire
17	76 (LG/WH)	Audio signal negative, Drain wire, Left
18	1402 (RD/WH)	Audio signal negative, Drain wire, Right
19	1808 (BK)	VCP, video – output
20	48	Drain wire

C3077b

14B079

A267
Rear Seat Entertainment (RSE) module



F16119

Pin	Circuit	Circuit function
1	694 (BK/LG)	Power ground
2	827 (TN/WH)	Speaker, left rear (18808) + output
3	800 (GY/LB)	Speaker, left rear (18808) +
4	801 (TN/YE)	Speaker, left rear (18808) –
5	694 (BK/LG)	Ground
6	803 (BN/PK)	Speaker, right rear (18808) –
7	802 (OG/RD)	Speaker, right rear (18808) +
8	825 (TN/LG)	Speaker, right rear (18808) + output
9	19 (LB/RD)	Illumination +
10	57 (BK)	Illumination –
11	–	not used
12	832 (LB/PK)	Audio corporate protocol (A)
13	833 (TN)	Audio corporate protocol (B)
14	694 (BK/LG)	Power ground
15	829 (WH/VT)	Battery voltage
16	1068 (LG/BK)	Audio System ON (ASYSON)

C3084
19F504

E260
Running board lamp, left front

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3085
19F504

E261
Running board lamp, left rear

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3086
19F504

E262
Running board lamp, right front

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3087
19F504

E263
Running board lamp, right rear

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3094
14405
B276
Fuel sender, primary

F04082

Pin	Circuit	Circuit function
1	–	not used
2	675 (YE/LB)	Sensor signal return (reference/ground)
3	–	not used
4	396 (BK/OG)	Reference voltage

C3095
14405
B277
Fuel sender, secondary

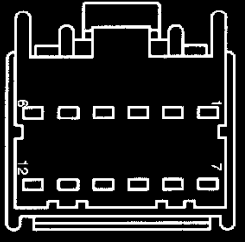
F04082

Pin	Circuit	Circuit function
1	–	not used
2	673 (DB/YE)	Sensor signal return (reference/ground)
3	–	not used
4	396 (BK/OG)	Reference voltage

C3177

14B079

T12
Power choke 1

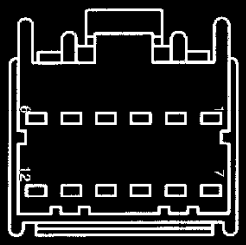


Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	–	not used
7	1564 (RD)	Coil, switched power
8	–	not used
9	–	not used
10	–	not used
11	–	not used
12	1564 (RD)	Video cassette player

C3178

14B079

T13
Power choke 2



Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	–	not used
7	829 (WH/VT)	Coil, switched power
8	–	not used
9	–	not used
10	–	not used
11	–	not used
12	829 (WH/VT)	Rear Seat Entertainment (RSE) module

C4009

14N139

B254
Parking aid sensor, outer left (15K859)

F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1441 (WH/LG)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner right (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4010

14N139

B252
Parking aid sensor, inner left (15K859)

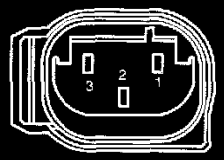
F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1442 (DG/WH)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer right (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4011

14N139

B255
Parking aid sensor, outer right (15K859)



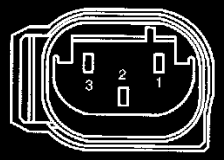
F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1444 (DB/YE)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer left (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4012

14N139

B253
Parking aid sensor, inner right (15K859)



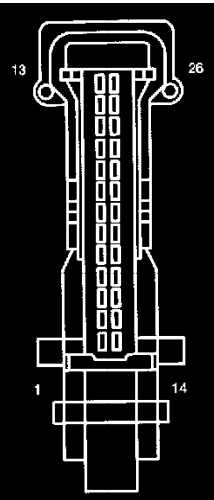
F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1443 (WH/LB)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner left (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4014

15K867
14A504

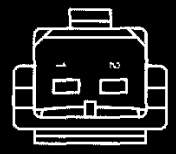
A265
Parking Aid Module
(PAM) (15K866)



Pin	Circuit	Circuit function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	–	not used
3	57 (BK)	Ground
4	–	not used
5	70 (LB/WH)	ISO Bus
6	–	not used
7	1435 (DG/VT)	On/Off signal
8	–	not used
9	140 (BK/PK)	Voltage supplied in reverse
10	1442 (DG/WH)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer right (15K859), input
11	1441 (WH/LG)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner right (15K859), input
12	–	not used
13	–	not used
14	1437 (BK/PK)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker –

Pin	Circuit	Circuit function
15	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
16	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return
17	1438 (DG)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker +
18	–	not used
19	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
20	–	not used
21	–	not used
22	–	not used
23	1443 (WH/LB)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner left (15K859), input
24	1444 (DB/YE)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer left (15K859), input
25	–	not used
26	–	not used

C4015 (WH)
14A504
15K867
Y234
Parking aid speaker



F02233

Pin	Circuit	Circuit function
1	1438 (DG)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker +
2	1437 (BK/PK)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker –

C4032
13A409
E243
Park/stop/turn lamp, right rear

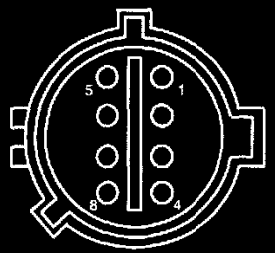
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OG/LB)	Turn lamps, feed, right rear

C4033 (BK)

14405

A31
Fuel tank unit
(9H307)



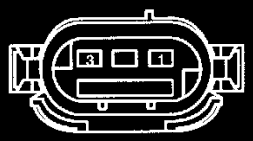
F08052

Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	signal, return
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C968)
4	351 (BN/WH)	Reference, voltage
5	29 (YE/WH)	Fuel pump/fuel gauge sender
6	57 (BK)	Ground
7	787 (PK/BK)	Fuel pump, Power
8	396 (BK/OG)	Fuel sender, logic ground

C4035

13A409

E242
Park/stop/turn lamp,
left rear



F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C4046

13412

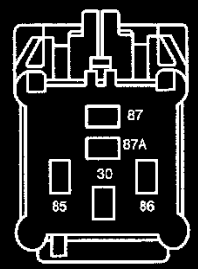
F01051

C112	Circuit	Circuit Function
9	14 (BN)	License plate lamps

C4076

14A504

K55
High speed blower motor relay



F05062

Pin	Circuit	Circuit function
30	536 (BK/LG)	Blower motor relay, Blower motor
85	295 (LB/PK)	electronic cluster, Accessory, feed
86	515 (OG/RD)	Resistor, Blower motor, High
87	57 (BK)	Ground
87a	1132 (YE)	Trailer tow relay, feed

C4094

13A409

E135
Side lamp 1, LH rear

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

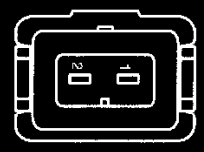
C4095

13A409

E136
Side lamp 2, LH rear

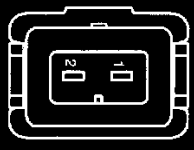
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4096
13A409
E131
Side lamp 1, RH rear



Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4097
13A409
E132
Side lamp 2, RH rear

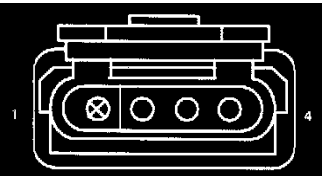


Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4098

13A576

E258
Trailer tow connector, 4–pin



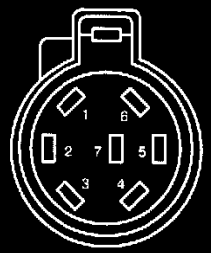
F04211

Pin	Circuit	Circuit function
1	206 (WH)	Trailer tow connector (15A416), Ground
2	962 (BN/WH)	Trailer tow relay, switched output
3	52 (YE)	Turn lamps, feed, left rear
4	64 (DG)	Turn lamps, feed, right rear

C4099

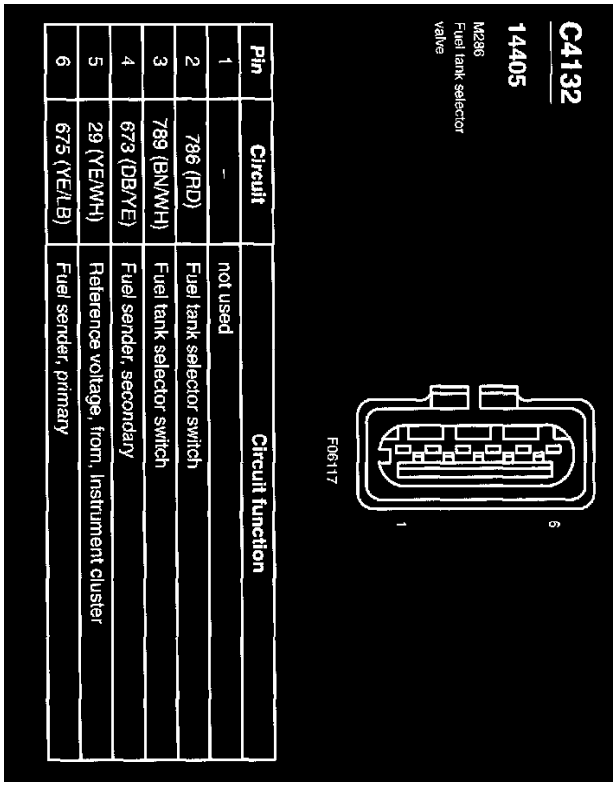
13A576

E259
Trailer tow connector, 7–pin



F07074

Pin	Circuit	Circuit function
1	52 (YE)	Turn lamps, feed, left rear
2	206 (WH)	Trailer tow connector (15A416), Ground
3	43 (DB)	Electric trailer brakes
4	64 (DG)	Turn lamps, feed, right rear
5	49 (OG)	Voltage in Run (overload protected)
6	962 (BN/WH)	Trailer tow relay, switched output
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps



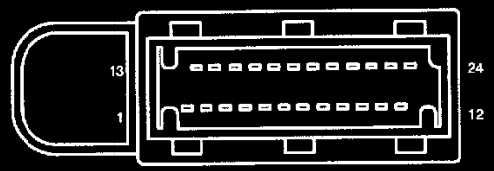
Pin	Circuit	Circuit function
1	-	not used
2	786 (RD)	Fuel tank selector switch
3	789 (BN/WH)	Fuel tank selector switch
4	673 (DB/YE)	Fuel sender, secondary
5	29 (YE/WH)	Reference voltage, from, Instrument cluster
6	675 (YE/LB)	Fuel sender, primary

System Diagram

C270a

14401

P91
Central Junction
Box (CJB) (14A068)



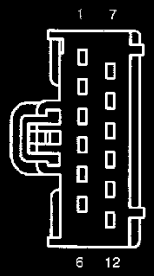
F32003

Pin	Circuit	Circuit function
1	54 (LG/YE)	Accessory delay, switched power input
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	33 (WH/PK)	switched power, to starter solenoid
5	296 (WH/VT)	Voltage in Run (overload protected)
6	–	not used
7	1306 (PK/WH)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
8	640 (RD/YE)	Power (Start or Run)
9	688 (GY/LB)	Voltage supplied in Start and Run (overload protected)
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	399 (BN/YE)	Blower motor relay, control
	296 (WH/VT)	Voltage, hot in run only
12	57 (BK)	Ground
	399 (BN/YE)	Blower motor relay, control
13	12 (LG/BK)	Switched, Ground
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Battery saver relay, switched power
16	294 (WH/LB)	Voltage supplied in Start and Run (overload protected)
17	276 (BN)	Blower motor relay, control
18	609 (OG/YE)	Voltage supplied at all times (overload protected)
19	1 (DB)	Horn relay, control
20	–	not used
21	295 (LB/PK)	electronic cluster, Accessory, feed
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Window safety relay, switched output
24	829 (WH/VT)	Voltage supplied at all times (overload protected)

C270b

14401

P91
Central Junction
Box (CJB) (14A068)



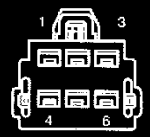
F12137

Pin	Circuit	Circuit function
1	–	not used
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	9 (LG/OG)	Turn lamps, feed, left rear
4	1266 (RD/YE)	Hot in Start or Run
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied at all times (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Park lamp relay – fused feed
11	5 (OG/LB)	Turn lamps, feed, right rear
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270c

14401

P91
Central Junction
Box (CJB) (14A068)



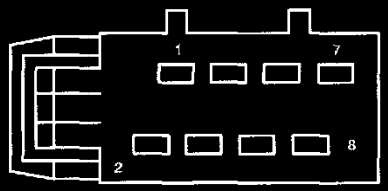
F06267

Pin	Circuit	Circuit function
1	1050 (LG/VT)	Voltage supplied at all times (overload protected)
2	37 (YE)	Voltage supplied at all times (overload protected)
3	1040 (RD/BK)	Voltage in Run (overload protected)
4	964 (DB/LG)	fused feed, Accessory
5	687 (GY/YE)	Voltage in Run (overload protected)
6	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C270d

14401

P91
Central Junction
Box (CJB) (14A068)



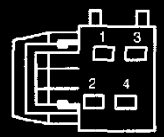
F08112

Pin	Circuit	Circuit function
1	1542 (RD)	Voltage supplied at all times (overload protected)
2	–	not used
3	1567 (RD/LB)	Voltage supplied at all times (overload protected), to, Adjustable pedal switch
4	364 (BK/LG)	Voltage supplied at all times (overload protected), to, Auxiliary A/C relay
5	797 (LG/VT)	Voltage supplied at all times (overload protected)
6	–	not used
7	40 (LB/WH)	Cigar lighter, feed
8	59 (DG/VT)	fused feed, to, Rear window defrost switch (18578)

C270e

14401

P91
Central Junction Box (CJB)
(14A068)



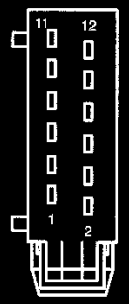
F04140

Pin	Circuit	Circuit function
1	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
4	325 (DB/OG)	Starter relay (11450), control

C270f (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



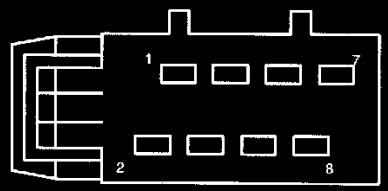
F12056

Pin	Circuit	Circuit function
1	140 (BK/PK)	Voltage supplied in reverse
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	533 (TN/RD)	Voltage supplied at all times (overload protected)
5	57 (BK)	Ground
6	1093 (TN/RD)	Power, Hot in Start with Park or Neutral
7	54 (LG/YE)	Voltage supplied at all times (overload protected)
8	–	not used
9	–	not used
10	926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270g (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



F08112

Pin	Circuit	Circuit function
1	–	not used
2	113 (YE/LB)	Starter motor (11002), to, Starter relay (11450)
3	–	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	22 (LB/BK)	Brake feed
6	181 (BN/OG)	Voltage supplied at all times (overload protected)
7	729 (RD/WH)	Voltage supplied at all times (overload protected)
8	876 (DG/LG)	Power, from, Injector Driver Module (IDM) power relay

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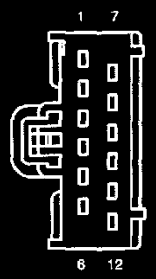
C270h

12A581

P91
Central Junction
Box (CJB) (14A068)

* = automatic transmission
** = Diesel only
*** = gasoline engines



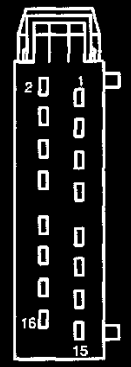
F12137

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	478 (TN/OG)	Fog lamp switch, to rear fog lamp
3	14 (BN)	Power, Exterior lamps
4	814** (WH/BK)	Injector Driver Module (IDM) power relay, control
5	361 (RD)	Voltage supplied in Start and Run (overload protected)
6	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	33 (WH/PK)*	switched power, to starter solenoid
9	6 (YE/LG)	Horn relay, switched power, output
10	238 (DG/YE)***	Fuel pump relay, switched power, output
11	326 (WH/VT)	Central Junction Box (CJB) (14A068), to, Ignition relay
12	554 (YE/BK)	Voltage supplied at all times (overload protected)

C270j

14A005

P91
Central Junction
Box (CJB) (14A068)



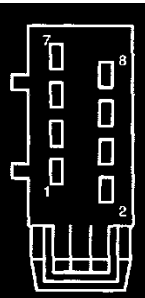
F16046

Pin	Circuit	Circuit function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	–	not used
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	–	not used
5	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
6	–	not used
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps
8	297 (BK/LG)	Voltage in Run or Accessory (overload protected)
9	–	not used
10	140 (BK/PK)	Voltage supplied in reverse
11	194 (PK)	Window safety relay, switched output
12	14 (BN)	Power, Exterior lamps
13	–	not used
14	295 (LB/PK)	electronic cluster, Accessory, feed
15	962 (BN/WH)	Trailer tow relay, switched output
16	54 (LG/YE)	Voltage supplied at all times (overload protected)

C270k

14A005

P91
Central Junction
Box (CJB) (14A068)



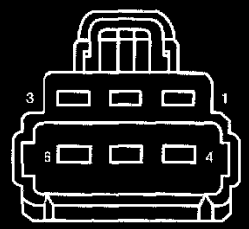
F08112

Pin	Circuit	Circuit function
1	1362 (DG/OG)	Rear Electronic Module (REM), to, Left, Backup Lamps, control
2	1544 (OG)	Voltage supplied at all times (overload protected), to, Power point, rear (19G247)
3	186 (BN/LB)	Rear defrost
4	49 (OG)	Voltage in Run (overload protected)
5	59 (DG/VT)	Heated mirrors
6	1153 (RD/BK)	Voltage supplied at all times (overload protected)
7	1543 (YE)	Voltage supplied at all times (overload protected), to, Power point, C pillar (19N236)
8	–	not used

C270l

14A005

P91
Central Junction
Box (CJB) (14A068)



F06291

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	406 (BN/WH)	Rear wiper motor assembly
4	51 (BK/WH)	Multifunction switch, Voltage: Ignition switch in Start
5	566 (DG)	Voltage supplied at all times (overload protected)
6	400 (LB/BK)	Accessory relay, switched power, output

C270m

14401

P91
Central Junction Box (CJB) (14A068)

Pin	Circuit	Circuit function
1	–	not used
2	704 (DG/LG)	Voltage supplied at all times (overload protected)
3	532 (OG/YE)	Voltage supplied at all times (overload *protected*)
4	–	not used
5	–	not used
6	65 (DG)	Voltage supplied at all times (overload protected), to Windshield wiper motor (17508)

C270p

14300

P91
Central Junction Box (CJB) (14A068)

Pin	Circuit	Circuit function
1	2037 (RD)	Battery Power

C3009
14A005

N615
Power point, C pillar (19N236)

F02239

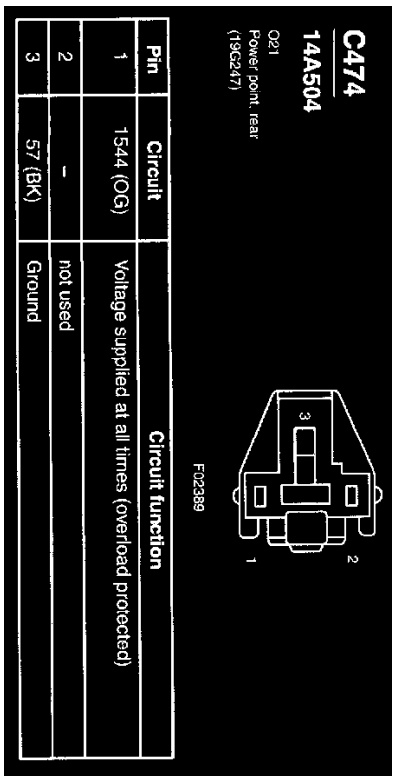
Pin	Circuit	Circuit function
1	1543 (YE)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C380
14B079

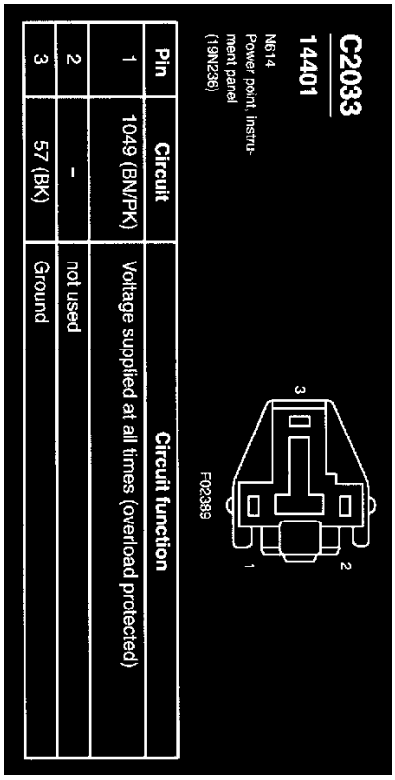
C40
Power point, console (19N236)

F03193

Pin	Circuit	Circuit function
1	1542 (RD)	Voltage supplied at all times (overload protected)
2	–	not used
3	57 (BK)	Ground



Pin	Circuit	Circuit function
1	1544 (OG)	Voltage supplied at all times (overload protected)
2	-	not used
3	57 (BK)	Ground



Pin	Circuit	Circuit function
1	1049 (BN/PK)	Voltage supplied at all times (overload protected)
2	-	not used
3	57 (BK)	Ground

Electrical Accessory Panel

For information regarding diagrams for this component, please refer to Power and Ground Distribution/Diagrams/Connector Views. See: Power and Ground Distribution/Diagrams/Connector Views

C174 (GY)

12B637

U10
Ignition transformer capacitor 1 (18801)

F01031

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C194

12B637

U11
Ignition transformer capacitor 2 (18801)

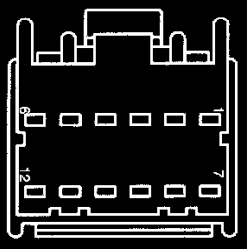
F01031

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C3177

14B079

T12
Power choke 1

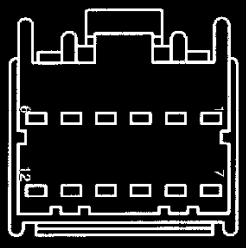


Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	–	not used
7	1564 (RD)	Coil, switched power
8	–	not used
9	–	not used
10	–	not used
11	–	not used
12	1564 (RD)	Video cassette player

C3178

14B079

T13
Power choke 2



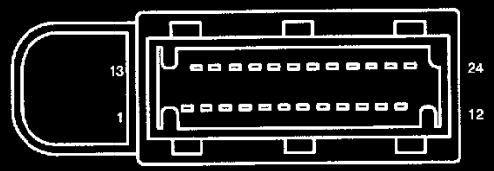
Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	–	not used
7	829 (WH/VT)	Coil, switched power
8	–	not used
9	–	not used
10	–	not used
11	–	not used
12	829 (WH/VT)	Rear Seat Entertainment (RSE) module

Fuse Block

C270a

14401

P91
Central Junction
Box (CJB) (14A068)



F32003

Pin	Circuit	Circuit function
1	54 (LG/YE)	Accessory delay, switched power input
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	33 (WH/PK)	switched power, to starter solenoid
5	296 (WH/VT)	Voltage in Run (overload protected)
6	–	not used
7	1306 (PK/WH)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
8	640 (RD/YE)	Power (Start or Run)
9	688 (GY/LB)	Voltage supplied in Start and Run (overload protected)
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	399 (BN/YE)	Blower motor relay, control
	296 (WH/VT)	Voltage, hot in run only
12	57 (BK)	Ground
	399 (BN/YE)	Blower motor relay, control
13	12 (LG/BK)	Switched, Ground
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Battery saver relay, switched power
16	294 (WH/LB)	Voltage supplied in Start and Run (overload protected)
17	276 (BN)	Blower motor relay, control
18	609 (OG/YE)	Voltage supplied at all times (overload protected)
19	1 (DB)	Horn relay, control
20	–	not used
21	295 (LB/PK)	electronic cluster, Accessory, feed
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Window safety relay, switched output
24	829 (WH/VT)	Voltage supplied at all times (overload protected)

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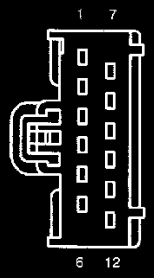
C270b

14401

P91
Central Junction
Box (CJB) (14A068)



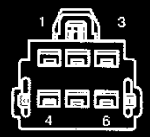
F12137

Pin	Circuit	Circuit function
1	–	not used
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	9 (LG/OG)	Turn lamps, feed, left rear
4	1266 (RD/YE)	Hot in Start or Run
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied at all times (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Park lamp relay – fused feed
11	5 (OG/LB)	Turn lamps, feed, right rear
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270c

14401

P91
Central Junction
Box (CJB) (14A068)



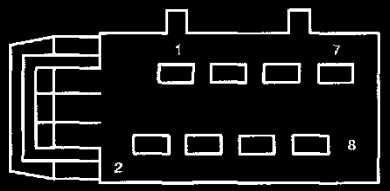
F06267

Pin	Circuit	Circuit function
1	1050 (LG/VT)	Voltage supplied at all times (overload protected)
2	37 (YE)	Voltage supplied at all times (overload protected)
3	1040 (RD/BK)	Voltage in Run (overload protected)
4	964 (DB/LG)	fused feed, Accessory
5	687 (GY/YE)	Voltage in Run (overload protected)
6	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C270d

14401

P91
Central Junction
Box (CJB) (14A068)



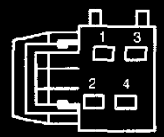
F08112

Pin	Circuit	Circuit function
1	1542 (RD)	Voltage supplied at all times (overload protected)
2	–	not used
3	1567 (RD/LB)	Voltage supplied at all times (overload protected), to, Adjustable pedal switch
4	364 (BK/LG)	Voltage supplied at all times (overload protected), to, Auxiliary A/C relay
5	797 (LG/VT)	Voltage supplied at all times (overload protected)
6	–	not used
7	40 (LB/WH)	Cigar lighter, feed
8	59 (DG/VT)	fused feed, to, Rear window defrost switch (18578)

C270e

14401

P91
Central Junction Box (CJB)
(14A068)



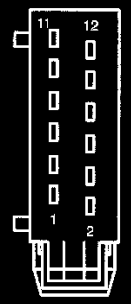
F04140

Pin	Circuit	Circuit function
1	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
4	325 (DB/OG)	Starter relay (11450), control

C270f (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



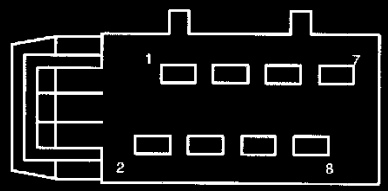
F12056

Pin	Circuit	Circuit function
1	140 (BK/PK)	Voltage supplied in reverse
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	533 (TN/RD)	Voltage supplied at all times (overload protected)
5	57 (BK)	Ground
6	1093 (TN/RD)	Power, Hot in Start with Park or Neutral
7	54 (LG/YE)	Voltage supplied at all times (overload protected)
8	–	not used
9	–	not used
10	926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270g (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



F08112

Pin	Circuit	Circuit function
1	–	not used
2	113 (YE/LB)	Starter motor (11002), to, Starter relay (11450)
3	–	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	22 (LB/BK)	Brake feed
6	181 (BN/OG)	Voltage supplied at all times (overload protected)
7	729 (RD/WH)	Voltage supplied at all times (overload protected)
8	876 (DG/LG)	Power, from, Injector Driver Module (IDM) power relay

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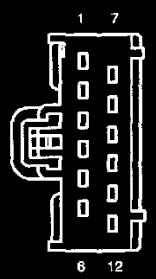
C270h

12A581

P91
Central Junction
Box (CJB) (14A068)

* = automatic transmission
** = Diesel only
*** = gasoline engines



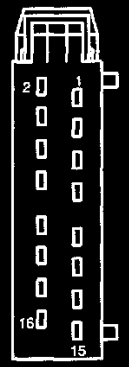
F12137

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	478 (TN/OG)	Fog lamp switch, to rear fog lamp
3	14 (BN)	Power, Exterior lamps
4	814** (WH/BK)	Injector Driver Module (IDM) power relay, control
5	361 (RD)	Voltage supplied in Start and Run (overload protected)
6	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	33 (WH/PK)*	switched power, to starter solenoid
9	6 (YE/LG)	Horn relay, switched power, output
10	238 (DG/YE)***	Fuel pump relay, switched power, output
11	326 (WH/VT)	Central Junction Box (CJB) (14A068), to, Ignition relay
12	554 (YE/BK)	Voltage supplied at all times (overload protected)

C270j

14A005

P91
Central Junction
Box (CJB) (14A068)



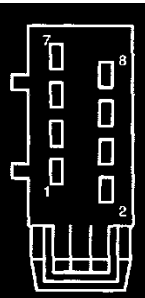
F16046

Pin	Circuit	Circuit function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	–	not used
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	–	not used
5	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
6	–	not used
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps
8	297 (BK/LG)	Voltage in Run or Accessory (overload protected)
9	–	not used
10	140 (BK/PK)	Voltage supplied in reverse
11	194 (PK)	Window safety relay, switched output
12	14 (BN)	Power, Exterior lamps
13	–	not used
14	295 (LB/PK)	electronic cluster, Accessory, feed
15	962 (BN/WH)	Trailer tow relay, switched output
16	54 (LG/YE)	Voltage supplied at all times (overload protected)

C270k

14A005

P91
Central Junction
Box (CJB) (14A068)



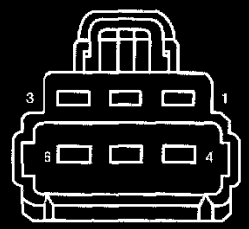
F08112

Pin	Circuit	Circuit function
1	1362 (DG/OG)	Rear Electronic Module (REM), to, Left, Backup Lamps, control
2	1544 (OG)	Voltage supplied at all times (overload protected), to, Power point, rear (19G247)
3	186 (BN/LB)	Rear defrost
4	49 (OG)	Voltage in Run (overload protected)
5	59 (DG/VT)	Heated mirrors
6	1153 (RD/BK)	Voltage supplied at all times (overload protected)
7	1543 (YE)	Voltage supplied at all times (overload protected), to, Power point, C pillar (19N236)
8	–	not used

C270l

14A005

P91
Central Junction
Box (CJB) (14A068)

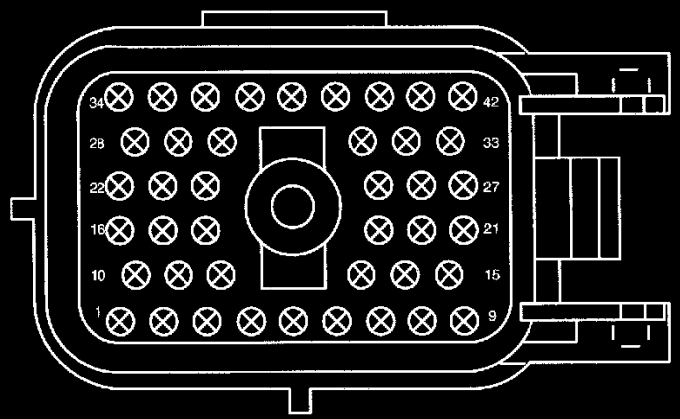


F06291

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	406 (BN/WH)	Rear wiper motor assembly
4	51 (BK/WH)	Multifunction switch, Voltage: Ignition switch in Start
5	566 (DG)	Voltage supplied at all times (overload protected)
6	400 (LB/BK)	Accessory relay, switched power, output

C110

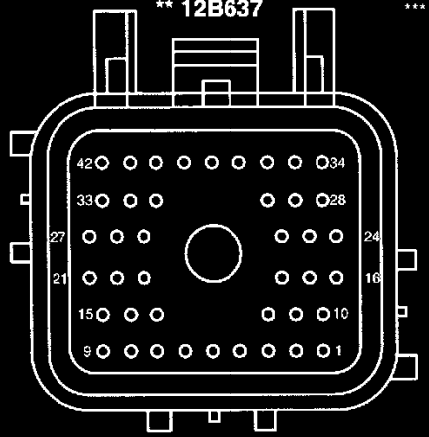
12A581



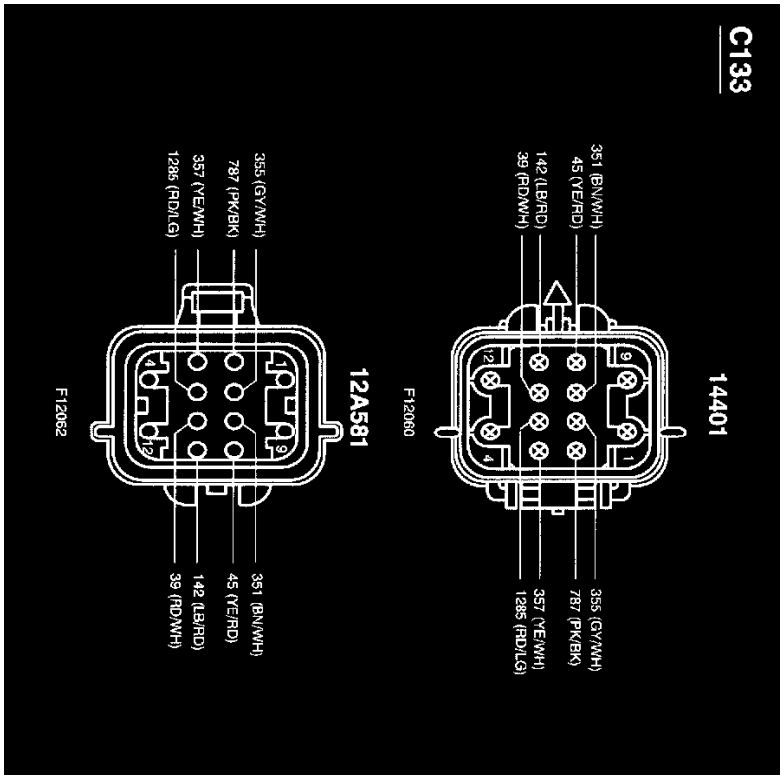
(1) –
(2) *555 (TN)
(3) *556 (DG)
1100 (GY/BK)
(4) ***561 (TN/RD)
1101 (GY/RD)
(5) *557 (BN/YE)
1102 (YE/LG)
(6) *558 (BN/LB)
(7) *559 (TN/BK)
555 (TN)
(8) *560 (LG/OG)
556 (WH)
(9) 361 (RD)
(10) *562 (LB)
(11) *878 (PK/YE)
355 (GY/WH)
(12) *1087 (OG)
351 (BN/WH)
(13) *1086 (VT/OG)
557 (BN/YE)
(14) *1291 (RD/YE)
558 (BN/LB)
(15) *48
559 (TN/BK)
(16) *570 (BK/WH)
(17) *354 (LG/RD)
(18) 359 (GY/RD)
(19) *359 (GY/RD)
560 (LG/OG)
(20) *553 (VT/LB)
561 (TN/RD)
(21) *351 (BN/WH)
562 (LB)
(22) *812 (DB/LG)
350 (GY)
(23) *318 (GY/RD)
795 (DG)
(24) *361 (RD)
(25) *552 (YE/RD)
31 (WH/RD)
(26) *462 (VT)
1024 (LG/WH)
(27) –
(28) *1275 (WH/RD)
349 (DB)
(29) *45 (YE/RD)
796 (LB)
(30) *31 (WH/RD)
***352 (BN/LG)
(31) *39 (RD/WH)
(32) *3996 (RD/YE)
1028 (WH/PK)
(33) *796 (LB)
1027 (PK/LB)
(34) 16 (RD/LG)
(35) *16 (RD/LG)
48
(36) *1183 (WH/YE)
310 (YE/RD)
(37) *1280 (GY/RD)
311 (DG/VT)
(38) ***360 (BN/BK)
(39) *795 (DG)
264 (WH/LB)
(40) –
(41) *1277 (WH/LG)
1026 (PK/WH)
(42) 391 (RD/YE)

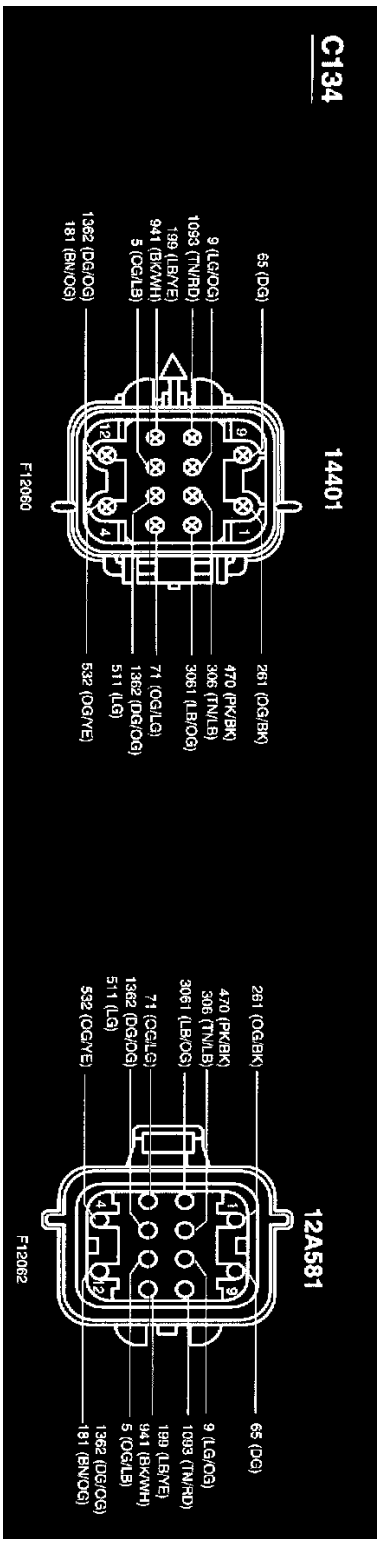
*** 9D930**
**** 12B637**

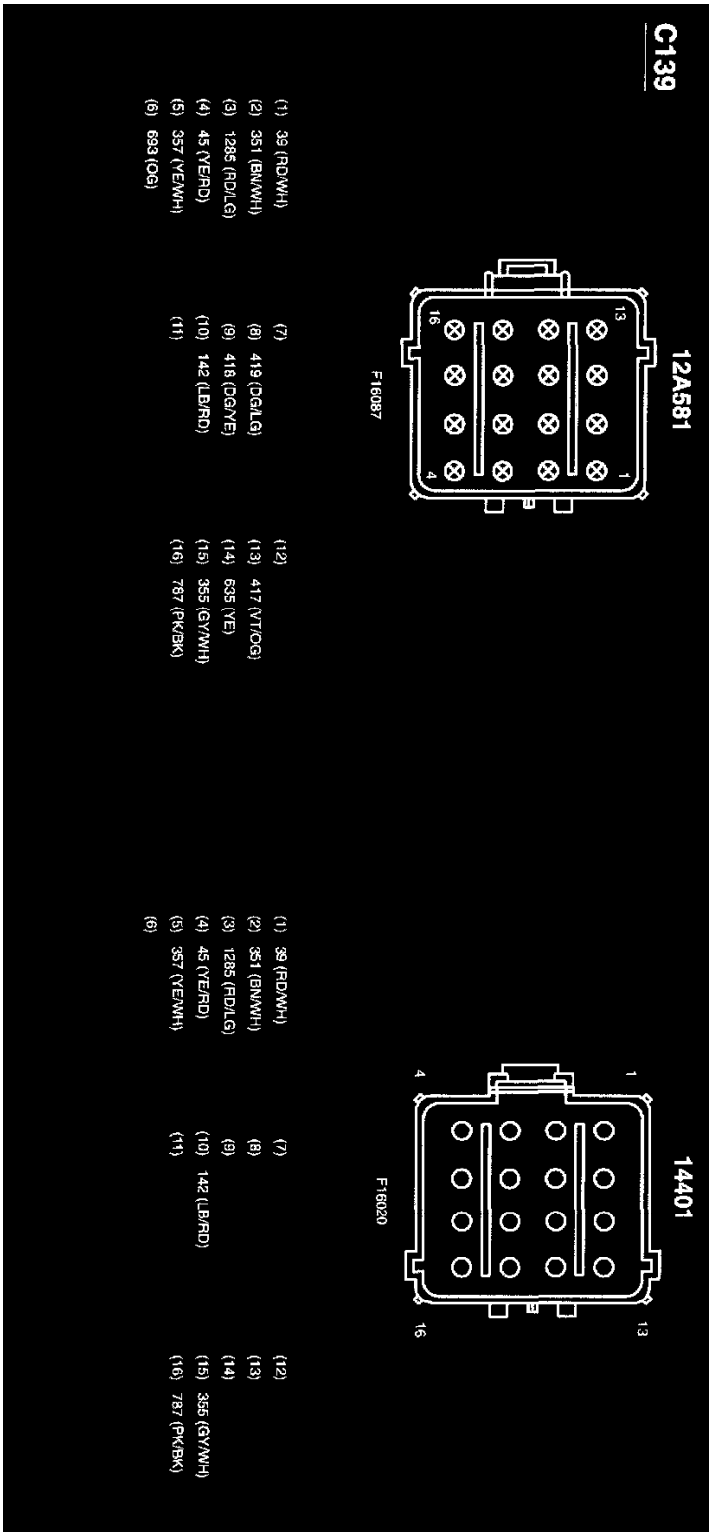
* = Diesel only
** = gasoline engines
*** = California

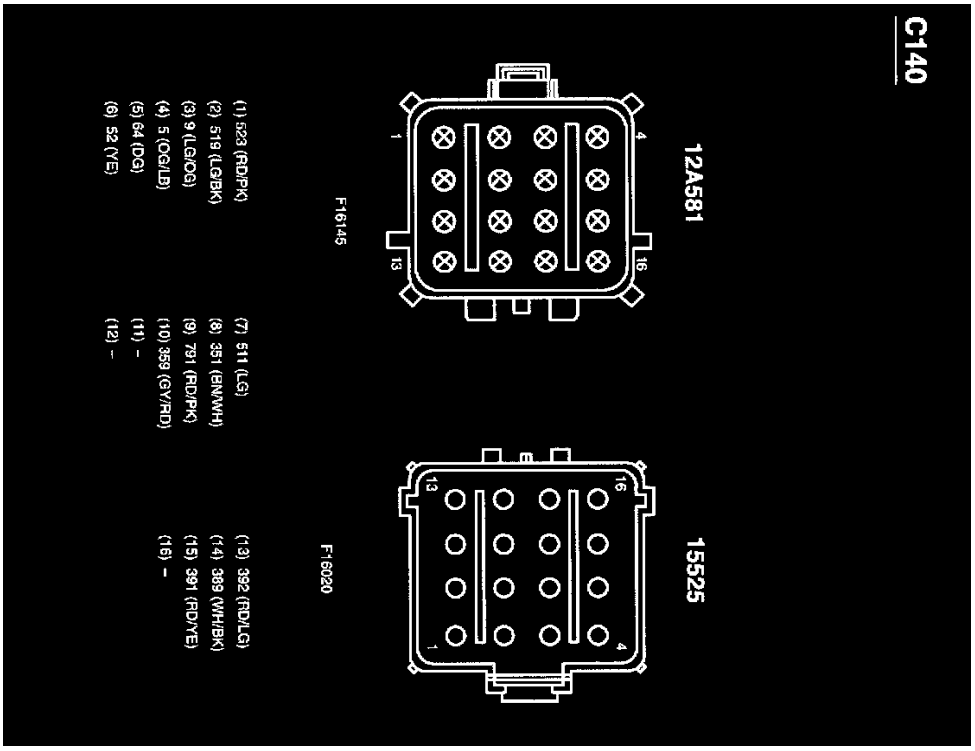


(1) **397 (BK/WH)
(2) *555(TN)
***39 (RD/WH)
(3) *556 (WH)
**1100 (GY/BK)
(4) *561 (TN/RD)
**1101 (GY/RD)
(5) *557 (BN/YE)
1102 (YE/LG)
(6) *558 (BN/LB)
(7) *559 (TN/BK)
555 (TN)
(8) *560 (LG/OG)
556 (WH)
(9) 361 (RD)
(10) *562 (LB)
(11) *878 (PK/YE)
355 (GY/WH)
(12) *1087 (OG)
351 (BN/WH)
(13) *1086 (PK/OG)
557 (BN/YE)
(14) *1291 (RD/YE)
558 (BN/LB)
(15) *48
559 (TN/BK)
(16) *570 (BK/WH)
(17) *354 (LG/RD)
(18) 359 (GY/RD)
*45 (YE/RD)
(19) *359 (GY/RD)
560 (LG/OG)
(20) *553 (VT/LB)
561 (TN/RD)
(21) *351 (BN/WH)
562 (LB)
(22) *812 (DB/LG)
350 (GY)
(23) *318 (GY/RD)
795 (DG)
(24) *361 (RD)
(25) *552 (YE/RD)
31 (WH/RD)
(26) *462 (VT)
1024 (LG/WH)
(27) **397 (BK/WH)
(28) *1275 (WH/RD)
349 (DB)
(29) *197 (TN/OG)
796 (LB)
(30) *31 (WH/RD)
***352 (BN/LG)
(31) *39 (RD/WH)
***45(YE/RD)
(32) *3996 (RD/YE)
1028 (WH/PK)
(33) *796 (LB)
1027 (PK/LB)
(34) 16 (RD/LG)
(35) *16 (RD/LG)
48
(36) *904 (LG/RD)
310 (YE/RD)
(37) *1280 (GY/RD)
311 (DG/VT)
(38) ***360 (BN/PK)
(39) *795 (DG)
264 (WH/LB)
(40) –
(41) *1277 (WH/LG)
1026 (PK/WH)
(42) 391 (RD/YE)


C133
14401
351 (BN/WH)
45 (YE/RD)
142 (LB/RD)
39 (RD/WH)
355 (GY/WH)
787 (PK/BK)
357 (YE/WH)
1286 (RD/LG)
F12060
12A581
355 (GY/WH)
787 (PK/BK)
357 (YE/WH)
1286 (RD/LG)
351 (BN/WH)
45 (YE/RD)
142 (LB/RD)
39 (RD/WH)
F12062


C134
14401
65 (DG)
9 (LG/OG)
1093 (TN/RD)
199 (LB/YE)
941 (BK/WH)
5 (OG/LB)
1362 (DG/OG)
181 (BN/OG)
261 (OG/BK)
470 (PK/BK)
306 (TN/LB)
3061 (LB/OG)
71 (OG/LG)
1362 (DG/OG)
511 (LG)
532 (OG/YE)
F12060
12A581
261 (OG/BK)
470 (PK/BK)
306 (TN/LB)
3061 (LB/OG)
71 (OG/LG)
1362 (DG/OG)
511 (LG)
532 (OG/YE)
65 (DG)
9 (LG/OG)
1093 (TN/RD)
199 (LB/YE)
941 (BK/WH)
5 (OG/LB)
1362 (DG/OG)
181 (BN/OG)
F12062

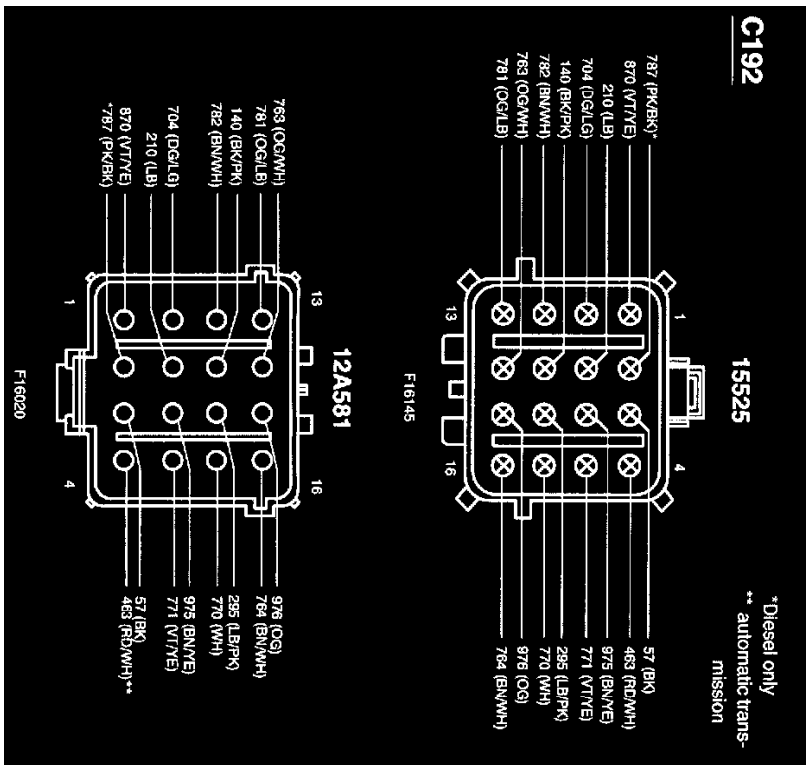

C139
12A581
F16087
(1) 39 (RD/WH)
(2) 351 (BN/WH)
(3) 1285 (RD/LG)
(4) 45 (YE/RD)
(5) 357 (YE/WH)
(6) 693 (OG)
(7)
(8) 419 (DG/LG)
(9) 418 (DG/YE)
(10) 142 (LB/RD)
(11)
(12)
(13) 417 (VT/OG)
(14) 635 (YE)
(15) 355 (GY/WH)
(16) 787 (PK/BK)
14401
F16020
(1) 39 (RD/WH)
(2) 351 (BN/WH)
(3) 1285 (RD/LG)
(4) 45 (YE/RD)
(5) 357 (YE/WH)
(6)
(7)
(8)
(9)
(10) 142 (LB/RD)
(11)
(12)
(13)
(14)
(15) 355 (GY/WH)
(16) 787 (PK/BK)


C140
12A581
F16145
(1) 523 (RD/PK)
(2) 519 (LG/BK)
(3) 9 (LG/OG)
(4) 5 (OG/LB)
(5) 64 (DG)
(6) 52 (YE)
(7) 511 (LG)
(8) 351 (BN/WH)
(9) 781 (RD/PK)
(10) 359 (GY/RD)
(11) –
(12) –
15525
F16020
(13) 392 (RD/LG)
(14) 389 (WH/BK)
(15) 391 (RD/YE)
(16) –

C144
12A581
13
1
16
4
F16141
(1) 870 (VT/YE)
(2) 911 (WH/LG)
(3) 764 (BN/WH)
(4) 15 (RD/YE)
(5) 782 (BN/WH)
(6) 224 (TN/WH)
(7)
(8) 162 (LG/RD)
(9) 976 (OG)
(10) 763 (OG/WH)
(11) 771 (VT/YE)
(12) 781 (OG/LB)
(13) 770 (WH)
(14) 145 (GY/BK)
(15) 463 (RD/WH)
(16) 605 (RD)
14401
1
13
4
16
F16067
(1) 870 (VT/YE)
(2) 911 (WH/LG)
(3) 764 (BN/WH)
(4) 15 (RD/YE)
(5) 782 (BN/WH)
(6) 224 (TN/WH)
(7)
(8) 162 (LG/RD)
(9) 976 (OG)
(10) 763 (OG/WH)
(11) 771 (VT/YE)
(12) 781 (OG/LB)
(13) 770 (WH)
(14) 145 (GY/BK)
(15) 463 (RD/WH)
(16) 605 (RD)

C145
14401
F16145
(1) 603 (DG)
(2) 754 (LG/WH)
(3) 589 (OG)
(4) 210 (LB)
(5) 704 (DG/LG)
(6) 570 (BK/WH)
(7) 752 (YE/RD)
(8) 61 (YE/RD)
(9) 16 (RD/LG)
(10) 975 (BN/YE)
140 (BK/PK)
(11) 31 (WH/RD)
(12) 56 (DB/OG)
(13) 359 (GY/RD)
848 (DG/OG)
(14) 915 (PK/LB)
(15) 914 (TN/OG)
(16) 203 (OG/LB)
12A581
F16089
(1) 603 (DG)
(2) 754 (LG/WH)
(3) 589 (OG)
(4) 210 (LB)
(5) 704 (DG/LG)
(6) 570 (BK/WH)
(7) 752 (YE/RD)
(8) 61 (YE/RD)
(9) 16 (RD/LG)
(10) 975 (BN/YE)
140 (BK/PK)
(11) 31 (WH/RD)
(12) 56 (DB/OG)
(13) 848 (DG/OG)
359 (GY/RD)
(14) 915 (PK/LB)
(15) 914 (TN/OG)
(16) 203 (OG/LB)

C146
14401
F16141
(1) 676 (PK/OG)
(2) 348 (VT)
(3) 151 (LB/BK)
(4) 13 (RD/BK)
(5) 70 (LB/WH)
(6) 531 (DG/YE)
(7) 679 (GY/BK)
(8) 904 (LG/RD)
(9) 63 (RD)
(10) 3 (LG/WH)
(11) 107 (VT)
(12) 512 (TN/LG)
(13) 1002 (BK/PK)
(14) 2 (WH/LB)
(15) 58 (WH)
(16) 810 (RD/LG)
12A581
F16059
(1) 676 (PK/OG)
(2) 348 (VT)
(3) 151 (LB/BK)
(4) 1033 (RD/YE)
13 (RD/BK)
(5) 70 (LB/WH)
(6) 531 (DG/YE)
(7) 679 (GY/BK)
(8) 904 (LG/RD)
(9) 63 (RD)
(10) 3 (LG/WH)
(11) 107 (VT)
(12) 512 (TN/LG)
(13) 1002 (BK/PK)
(14) 2 (WH/LB)
(15) 58 (WH)
(16) 810 (RD/LG)


C192
15525
*Diesel only
** automatic transmission
787 (PK/BK)*
870 (VT/YE)
210 (LB)
704 (DG/LG)
140 (BK/PK)
782 (BN/WH)
763 (OG/WH)
781 (OG/LB)
57 (BK)
463 (RD/WH)
975 (BN/YE)
771 (VT/YE)
295 (LB/PK)
770 (WH)
976 (OG)
764 (BN/WH)
F16145
12A581
763 (OG/WH)
781 (OG/LB)
140 (BK/PK)
782 (BN/WH)
704 (DG/LG)
210 (LB)
870 (VT/YE)
*787 (PK/BK)
976 (OG)
764 (BN/WH)
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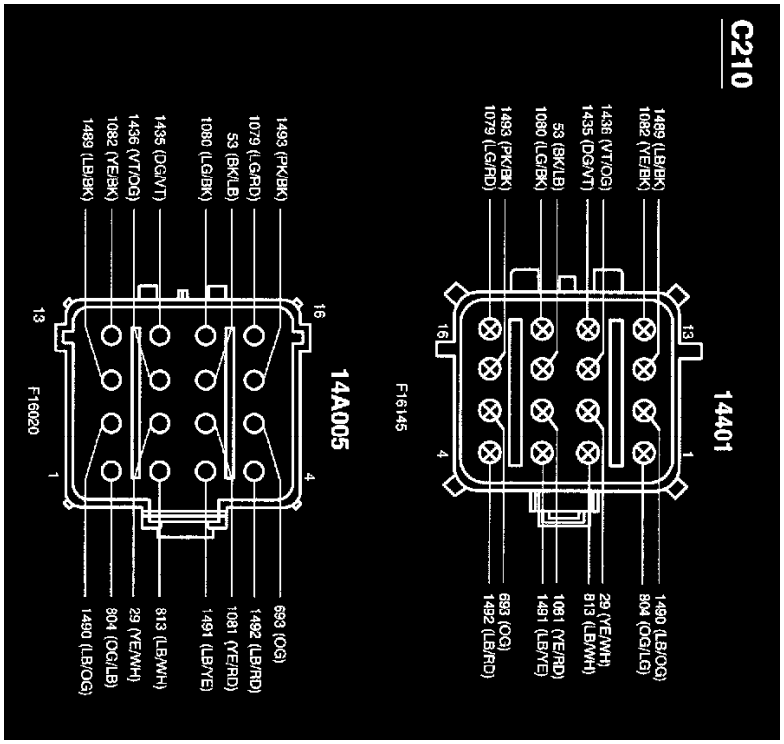
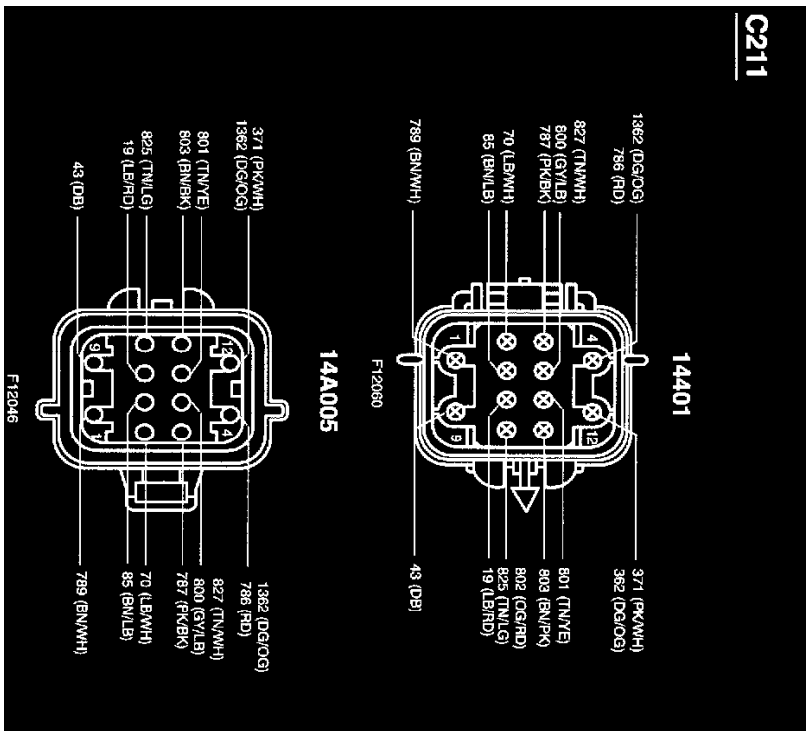
770 (WH)
975 (BN/YE)
771 (VT/YE)
57 (BK)
463 (RD/WH)**
F16020


C210
14401
1489 (LB/BK)
1082 (YE/BK)
1436 (VT/OG)
1435 (DG/VT)
53 (BK/LB)
1080 (LG/BK)
1493 (PK/BK)
1079 (LG/RD)
1490 (LB/OG)
804 (OG/LG)
29 (YE/WH)
813 (LB/WH)
1081 (YE/RD)
1491 (LB/YE)
693 (OG)
1492 (LB/RD)
F16145
14A005
1493 (PK/BK)
1079 (LG/RD)
53 (BK/LB)
1080 (LG/BK)
1435 (DG/VT)
1436 (VT/OG)
1082 (YE/BK)
1489 (LB/BK)
693 (OG)
1492 (LB/RD)
1081 (YE/RD)
1491 (LB/YE)
813 (LB/WH)
29 (YE/WH)
804 (OG/LB)
1490 (LB/OG)
F16020


C211
14401
1362 (DG/OG)
786 (RD)
827 (TN/WH)
800 (GY/LB)
787 (PK/BK)
70 (LB/WH)
85 (BN/LB)
789 (BN/WH)
371 (PK/WH)
362 (DG/OG)
801 (TN/YE)
803 (BN/PK)
802 (OG/RD)
825 (TN/LG)
19 (LB/RD)
43 (DB)
F12060
14A005
371 (PK/WH)
1362 (DG/OG)
801 (TN/YE)
803 (BN/BK)
825 (TN/LG)
19 (LB/RD)
43 (DB)
1362 (DG/OG)
786 (RD)
827 (TN/WH)
800 (GY/LB)
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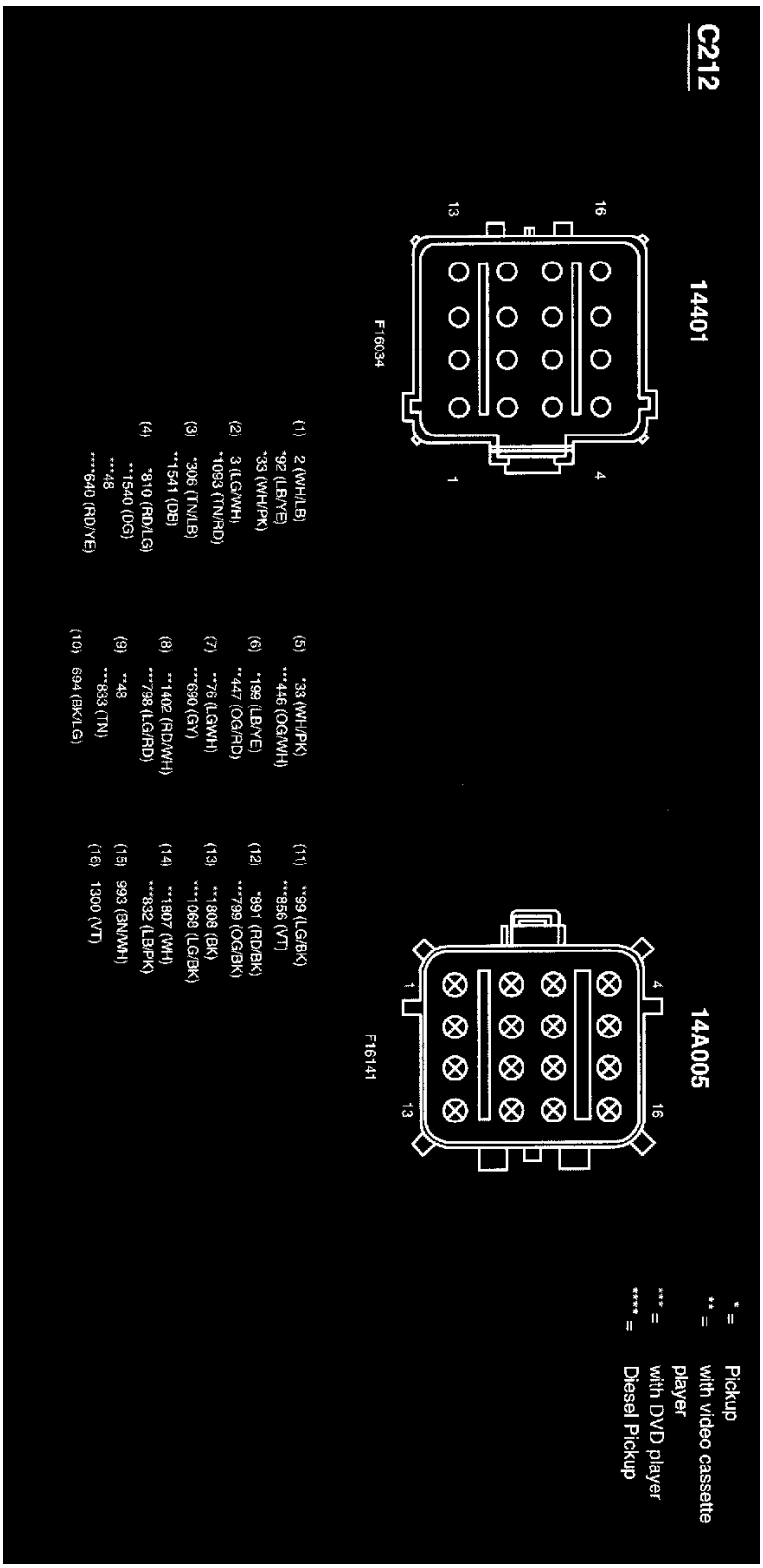
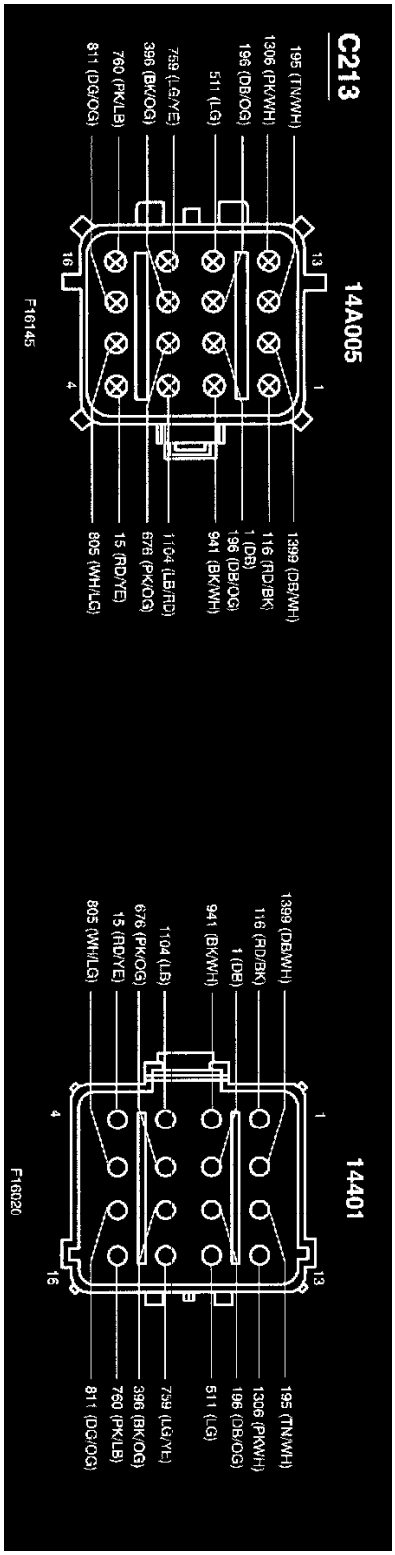
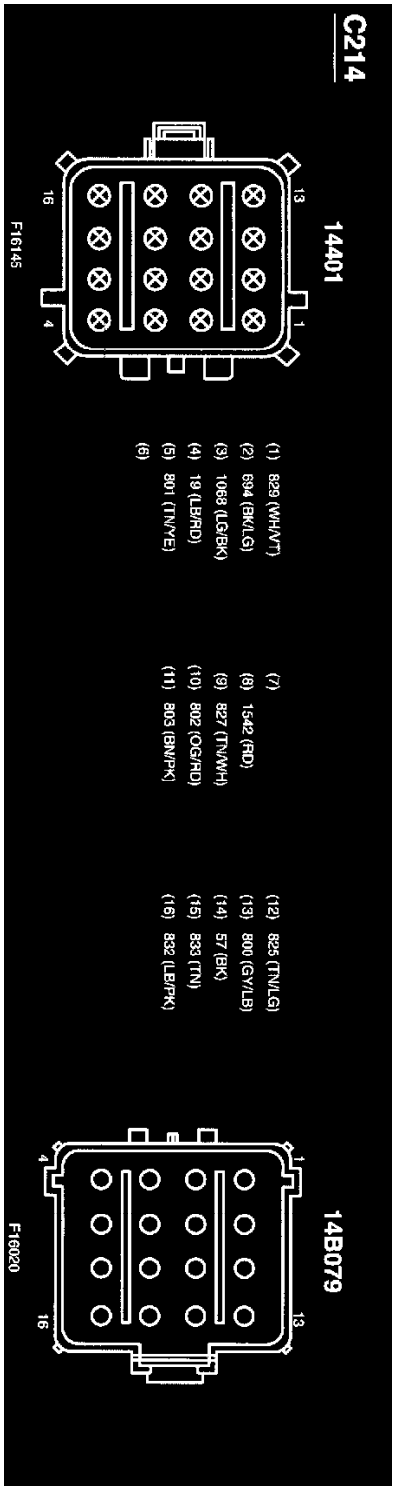
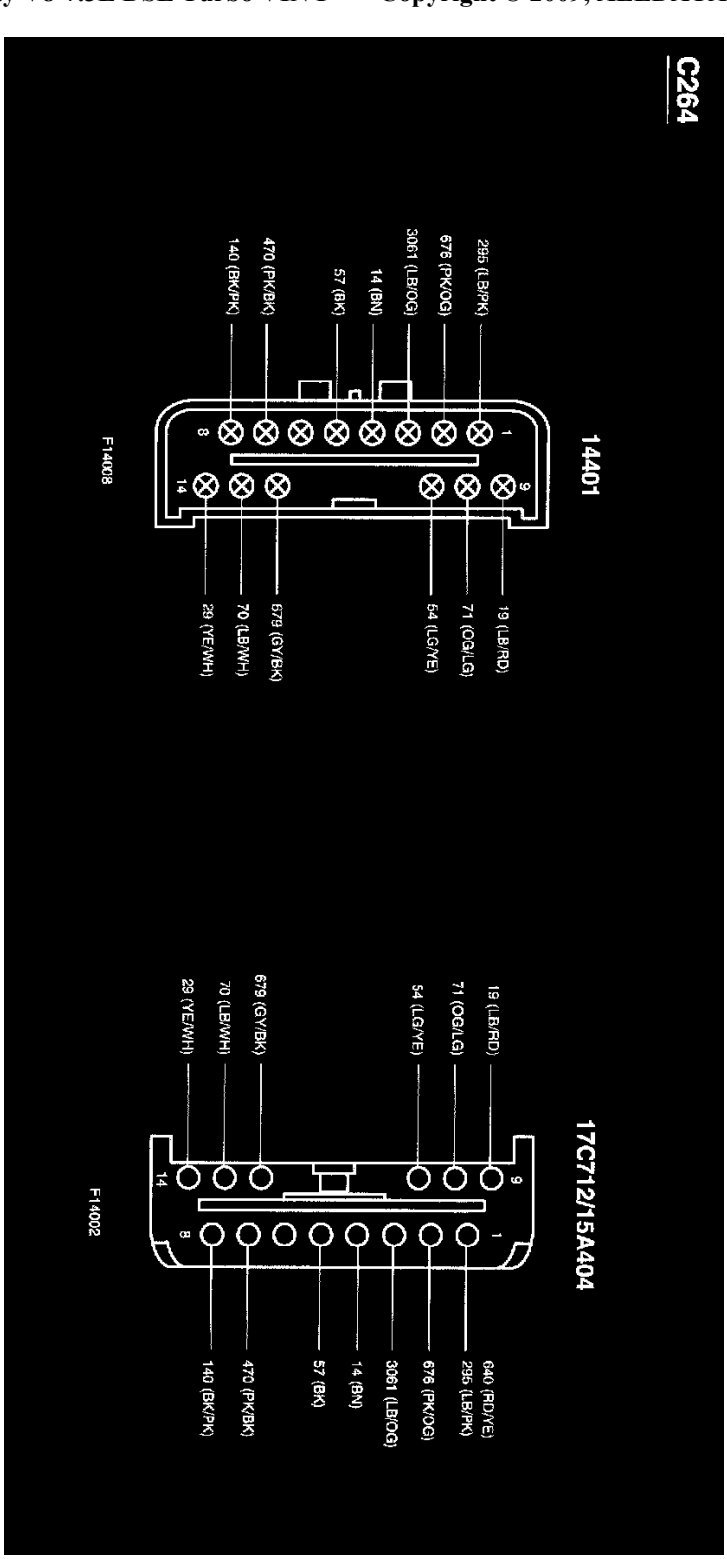
70 (LB/WH)
85 (BN/LB)
789 (BN/WH)
F12046

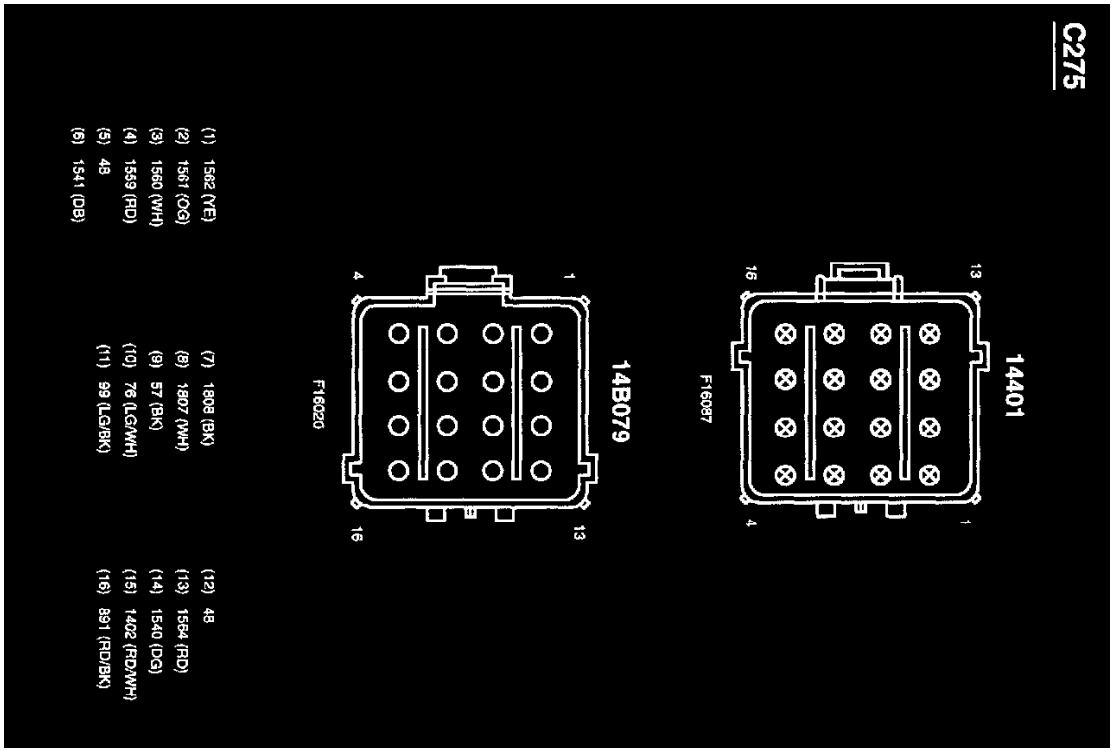

C212
14401
16
13
E
4
1
F16034
(1) 2 (WH/LB)
*92 (LB/YE)
*33 (WH/PK)
(2) 3 (LG/WH)
**1093 (TN/RD)
(3) *306 (TN/LB)
**1541 (OB)
(4) **810 (RD/LG)
**1540 (OG)
****46
****640 (RD/YE)
(5) *33 (WH/PK)
****446 (OG/WH)
(6) *198 (LB/YE)
**447 (OG/RD)
(7) **76 (LGWH)
****690 (GY)
(8) **1402 (RD/WH)
****798 (LG/RD)
(9) **43
*****833 (TN)
(10) 694 (BK/LG)
14A005
4
1
16
13
F16141
(11) **99 (LG/BK)
****856 (VT)
(12) *891 (RD/BK)
****799 (OG/BK)
(13) **1808 (BK)
****1068 (LG/BK)
(14) **1807 (WH)
****832 (LB/PK)
(15) 993 (GN/WH)
(16) 1300 (VT)
* = Pickup
** = with video cassette player
*** = with DVD player
**** = Diesel Pickup


C213
14A005
195 (TN/WH)
1306 (PK/WH)
196 (DB/OG)
511 (LG)
759 (LG/YE)
396 (BK/OG)
760 (PK/LB)
811 (DG/OG)
1399 (DB/WH)
116 (RD/BK)
1 (DB)
196 (DB/OG)
941 (BK/WH)
1104 (LB/RD)
678 (PK/OG)
15 (RD/YE)
805 (WH/LG)
13
1
16
4
F16145
14401
1399 (DB/WH)
116 (RD/BK)
1 (DB)
941 (BK/WH)
1104 (LB)
678 (PK/OG)
15 (RD/YE)
805 (WH/LG)
195 (TN/WH)
1306 (PK/WH)
196 (DB/OG)
511 (LG)
759 (LG/YE)
396 (BK/OG)
760 (PK/LB)
811 (DG/OG)
1
13
4
16
F16020


C214
14401
13
16
1
4
F16145
(1) 829 (WH/VT)
(2) 694 (BK/LG)
(3) 1068 (LG/BK)
(4) 19 (LB/RD)
(5) 801 (TN/YE)
(6)
(7)
(8) 1542 (RD)
(9) 827 (TN/WH)
(10) 802 (OG/RD)
(11) 803 (BN/PK)
(12) 825 (TN/LG)
(13) 800 (GY/LB)
(14) 57 (BK)
(15) 833 (TN)
(16) 832 (LB/PK)
14B079
1
4
13
16
F16020

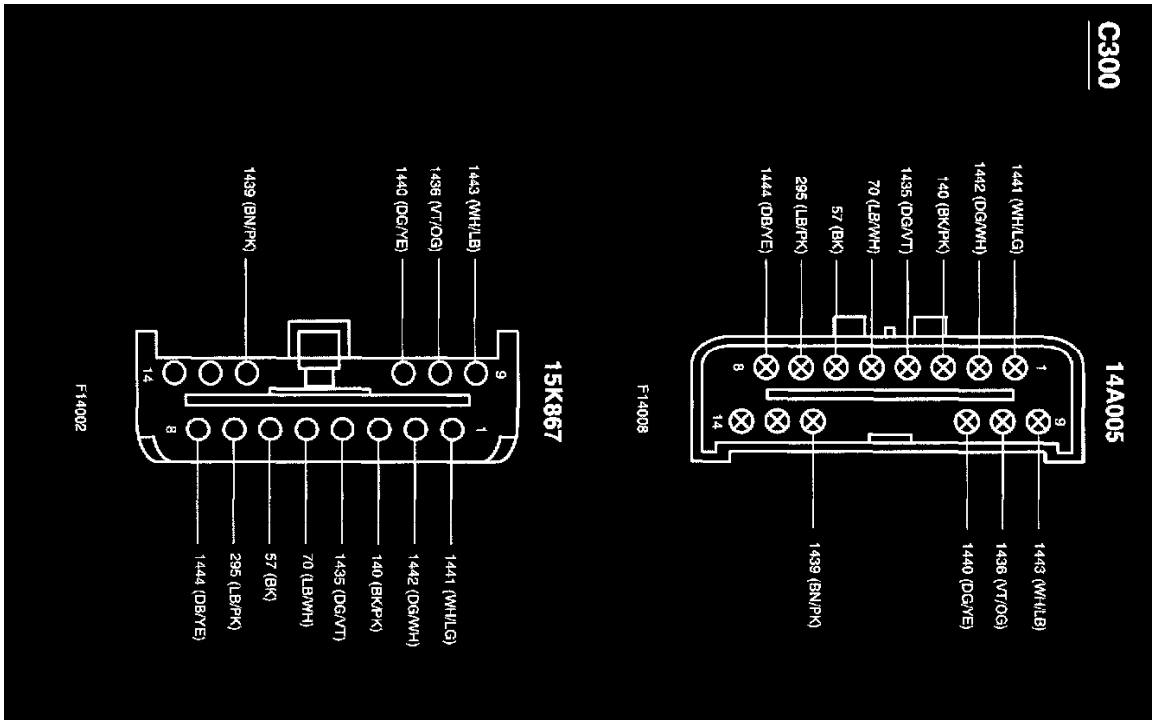

C264
14401
295 (LB/PK)
676 (PK/OG)
3061 (LB/OG)
14 (BN)
57 (BK)
470 (PK/BK)
140 (BK/PK)
19 (LB/RD)
71 (OG/LG)
54 (LG/YE)
678 (GY/BK)
70 (LB/WH)
29 (YE/WH)
1
8
9
14
F14008
17C712/15A404
940 (RD/YE)
295 (LB/PK)
676 (PK/OG)
3061 (LB/OG)
14 (BN)
57 (BK)
470 (PK/BK)
140 (BK/PK)
19 (LB/RD)
71 (OG/LG)
54 (LG/YE)
679 (GY/BK)
70 (LB/WH)
29 (YE/WH)
F14002

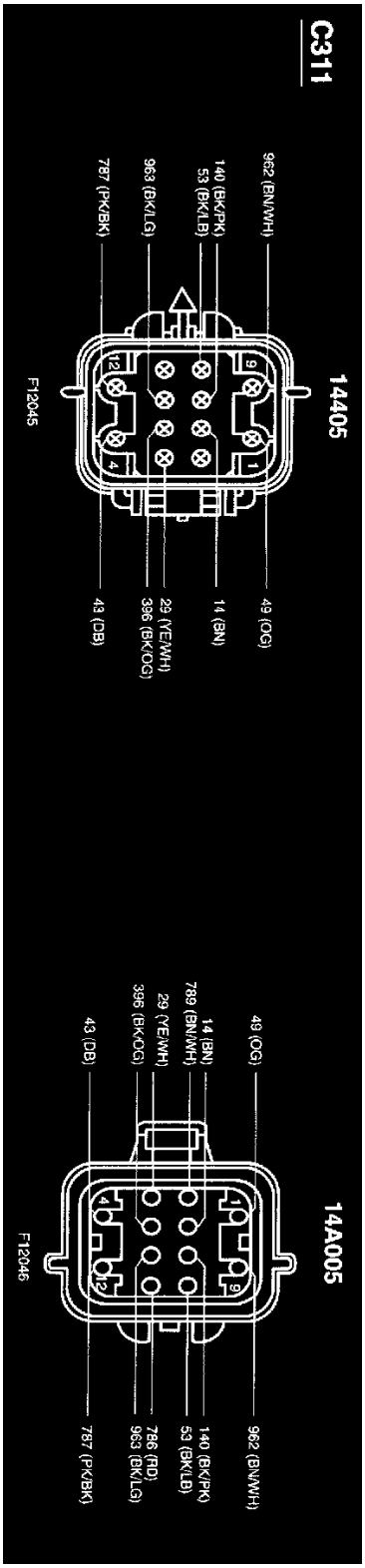
C275

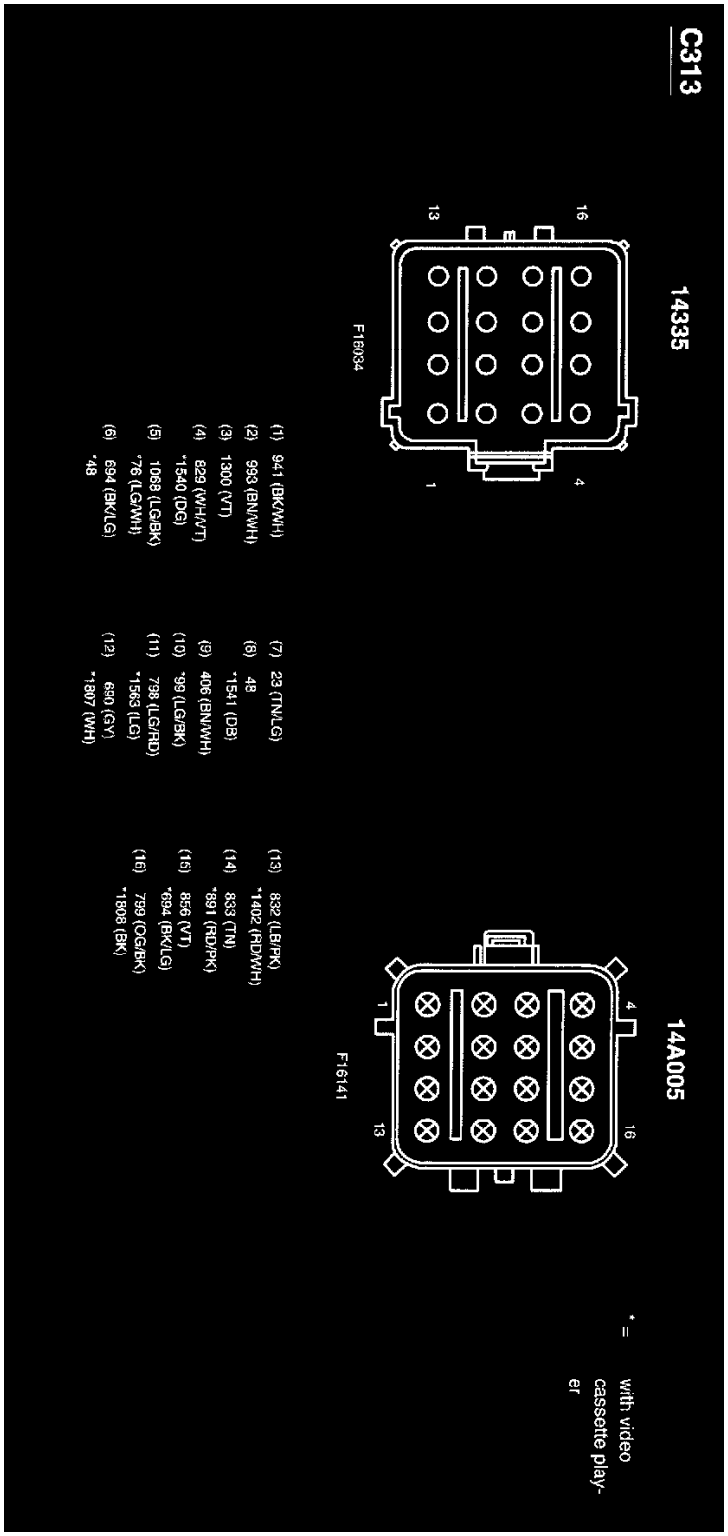


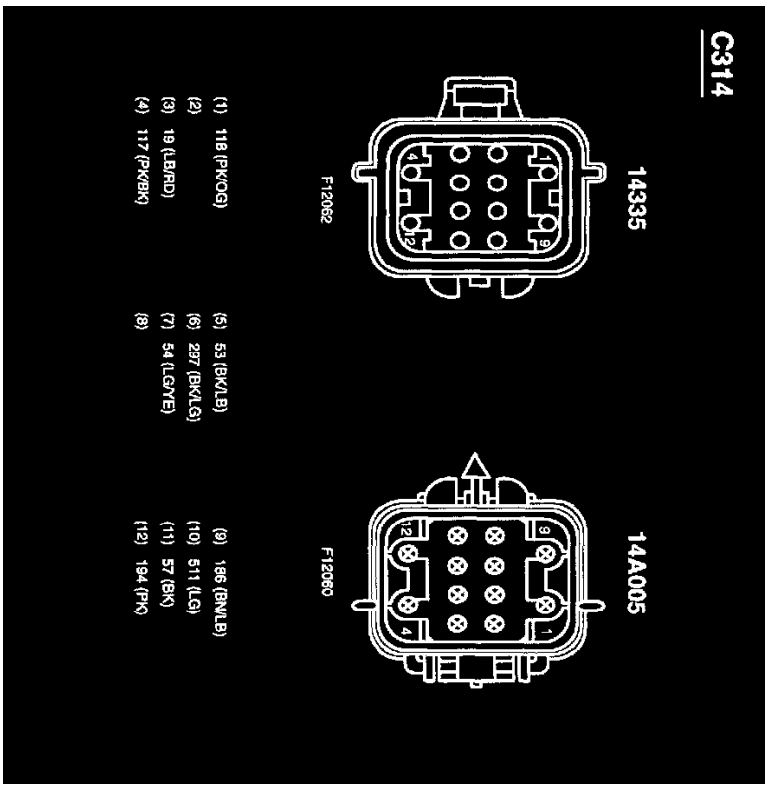
(1) 1562 (YE)
(2) 1561 (OG)
(3) 1560 (WH)
(4) 1559 (RD)
(5) 48
(6) 1541 (DB)
(7) 1808 (BK)
(8) 1807 (WH)
(9) 57 (BK)
(10) 76 (LG/WH)
(11) 99 (LG/BK)
(12) 48
(13) 1564 (RD)
(14) 1540 (DG)
(15) 1402 (RD/WH)
(16) 891 (RD/BK)

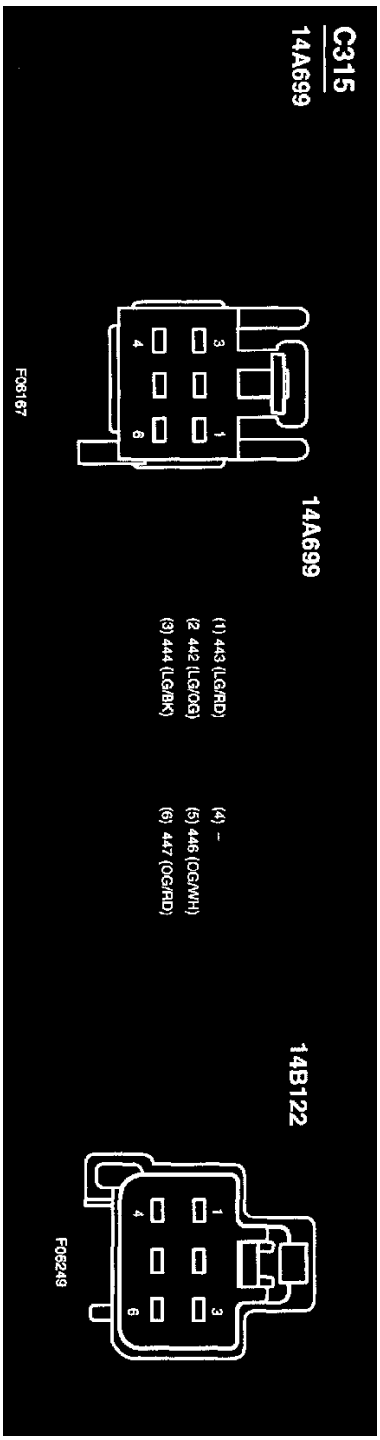
C300

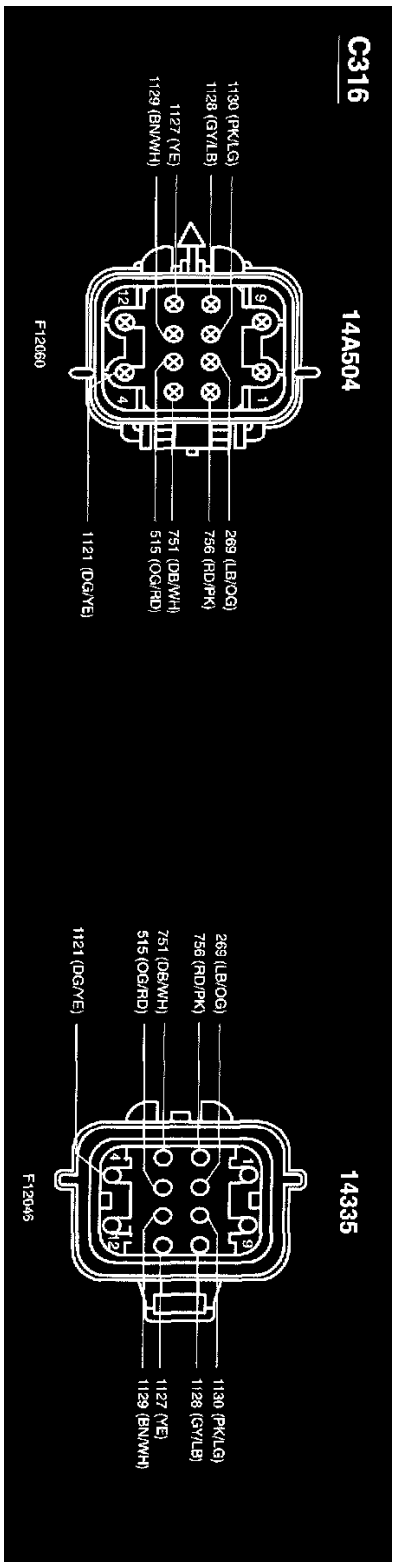


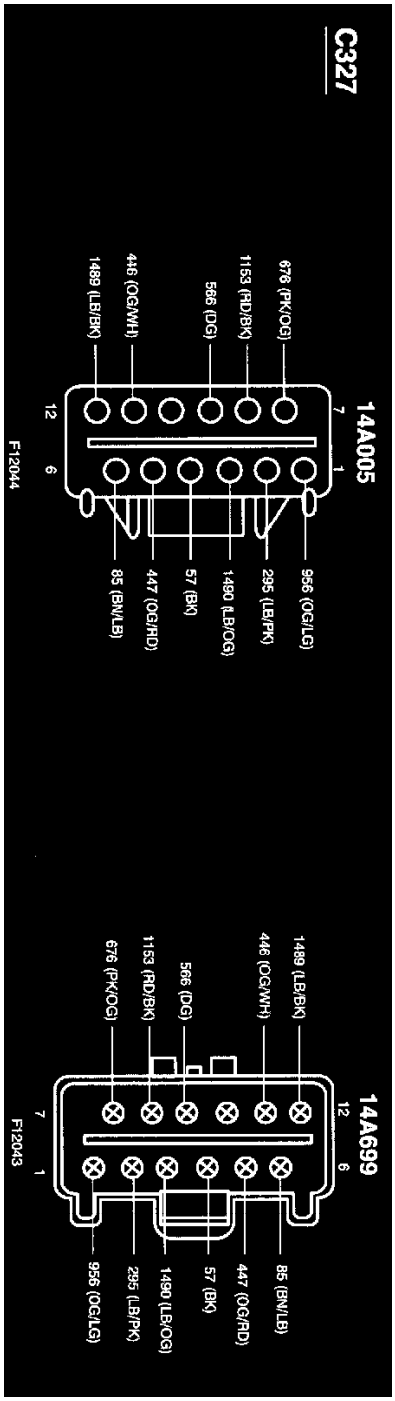

C311
14405
962 (BN/WH)
140 (BK/PK)
53 (BK/LB)
963 (BK/LG)
787 (PK/BK)
49 (OG)
14 (SN)
29 (YE/WH)
396 (BK/OG)
43 (DB)
F12045
14A005
49 (OG)
14 (BN)
789 (BN/WH)
29 (YE/WH)
396 (BK/OG)
43 (DB)
962 (BN/WH)
140 (BK/PK)
53 (BK/LB)
786 (RD)
963 (BK/LG)
787 (PK/BK)
F12046

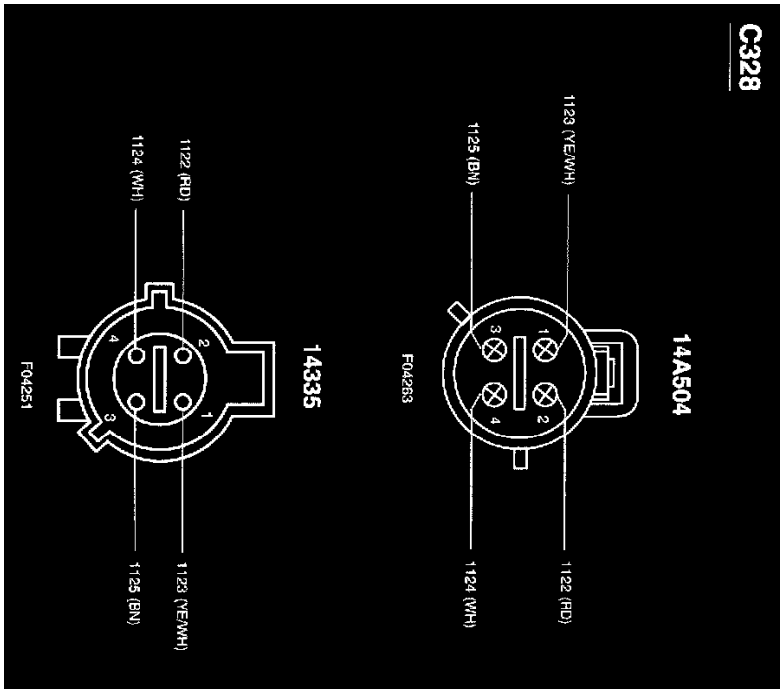

C313
14335
16
13
4
1
F16934
(1) 941 (BK/WH)
(2) 993 (BN/WH)
(3) 1300 (VT)
(4) 829 (WH/VT)
*1540 (DG)
(5) 1068 (LG/BK)
*76 (LG/WH)
(6) 694 (BK/LG)
*48
(7) 23 (TN/LG)
(8) 48
*1541 (DB)
(9) 406 (BN/WH)
(10) *99 (LG/BK)
(11) 798 (LG/RD)
*1563 (LG)
(12) 680 (GY)
*1807 (WH)
14A005
4
16
1
13
F16141
(13) 832 (LB/PK)
*1402 (RD/WH)
(14) 833 (TN)
*891 (RD/PK)
(15) 856 (VT)
*694 (BK/LG)
(16) 799 (OG/BK)
*1808 (BK)
* = with video cassette player

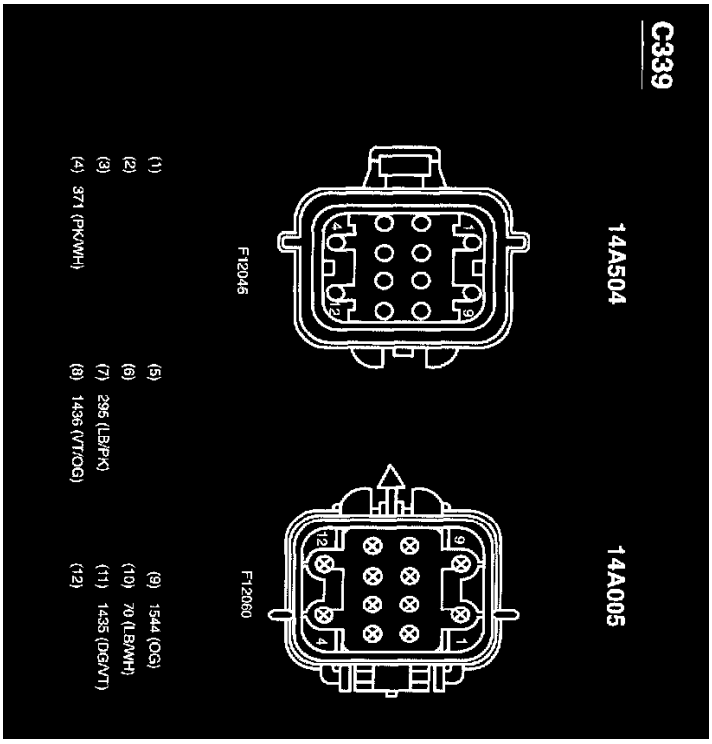

C314
14335
F12062
14A005
F12060
(1) 118 (PK/OG)
(2)
(3) 19 (LB/RD)
(4) 117 (PK/BK)
(5) 53 (BK/LB)
(6) 297 (BK/LG)
(7) 54 (LG/YE)
(8)
(9) 186 (BN/LB)
(10) 511 (LG)
(11) 57 (BK)
(12) 194 (PK)

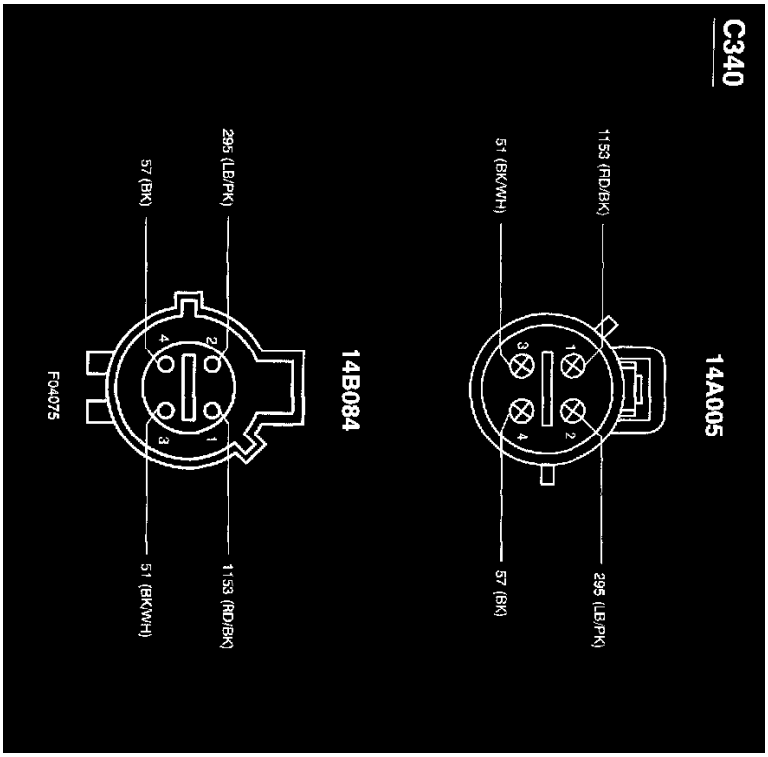

C315
14A699
3
1
4
6
F06167
14A699
(1) 443 (LG/RD)
(2 442 (LG/OG)
(3) 444 (LG/BK)
(4) –
(5) 446 (OG/WH)
(6) 447 (OG/RD)
14B122
1
3
4
6
F05243

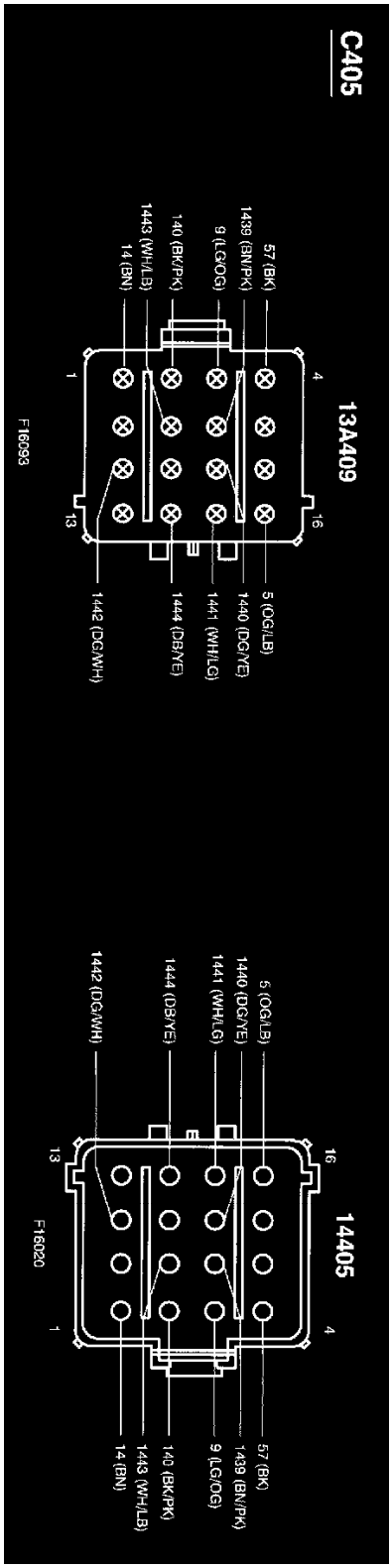

C316
14A504
1130 (PK/LG)
1128 (GY/LB)
1127 (YE)
1129 (BN/WH)
269 (LB/OG)
756 (RD/PK)
751 (DB/WH)
515 (OG/RD)
1121 (DG/YE)
F12060
14335
269 (LB/OG)
756 (RD/PK)
751 (DB/WH)
515 (OG/RD)
1121 (DG/YE)
1130 (PK/LG)
1128 (GY/LB)
1127 (YE)
1129 (BN/WH)
F12045

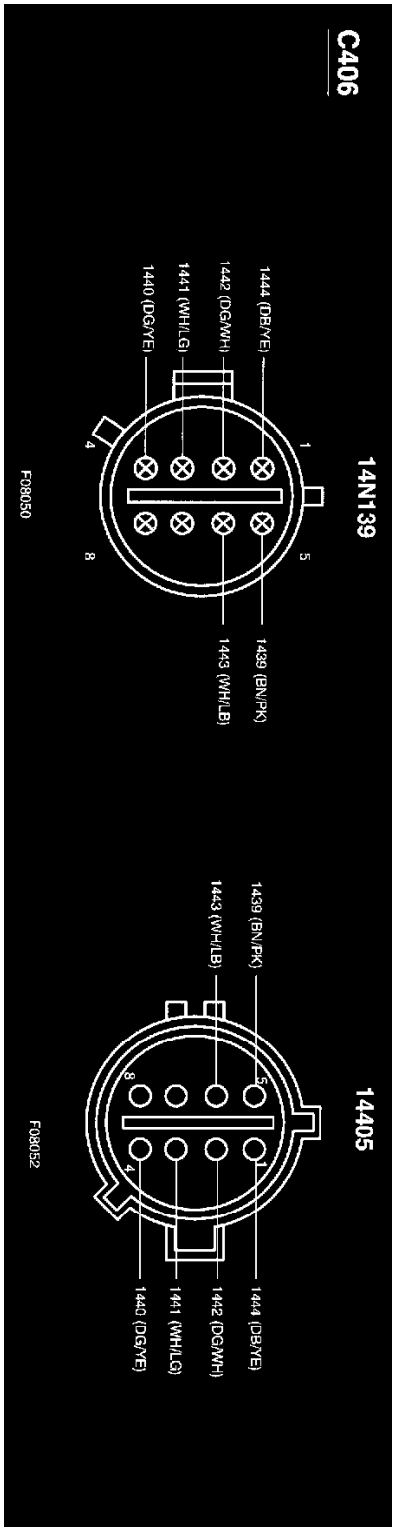

C327
14A005
678 (PK/OG)
1153 (RD/BK)
566 (DG)
446 (OG/WH)
1489 (LB/BK)
7
1
12
6
F12044
85 (BN/LB)
447 (OG/RD)
57 (BK)
1490 (LB/OG)
295 (LB/PK)
956 (OG/LG)
14A699
1489 (LB/BK)
446 (OG/WH)
566 (DG)
1153 (RD/BK)
678 (PK/OG)
12
6
7
1
F12043
85 (BN/LB)
447 (OG/RD)
57 (BK)
1490 (LB/OG)
295 (LB/PK)
956 (OG/LG)

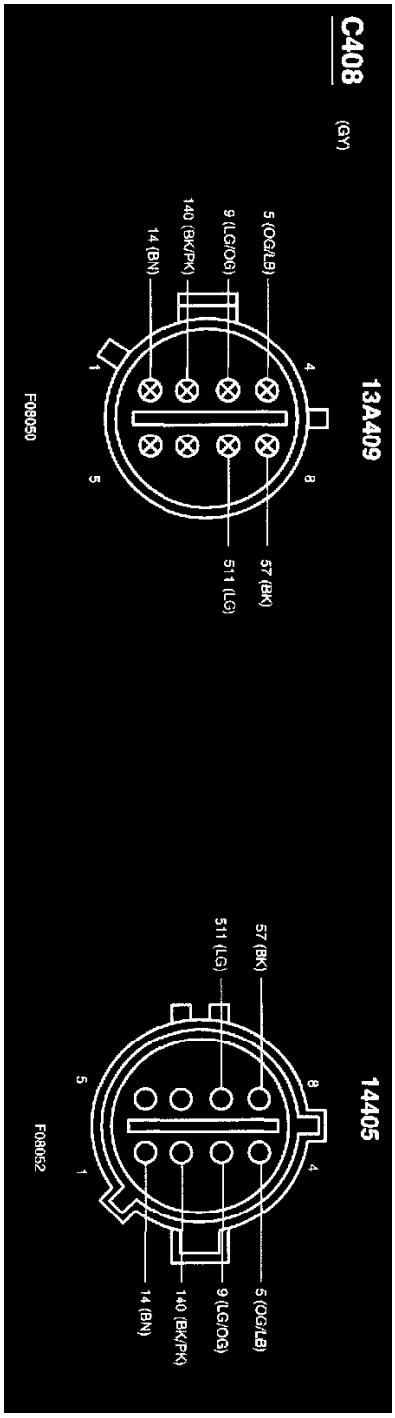

C328
14A504
1123 (YE/WH)
1125 (BN)
1122 (RD)
1124 (WH)
F04263
14335
1122 (RD)
1124 (WH)
1123 (YE/WH)
1125 (BN)
F04251

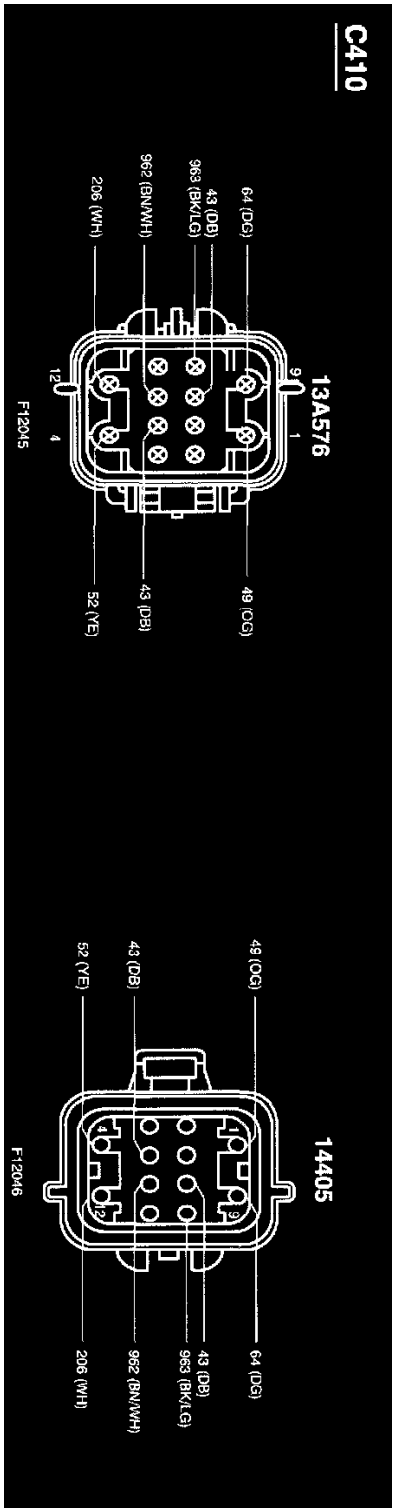

C339
14A504
F12045
14A005
F12060
(1)
(2)
(3)
(4) 371 (PK/WH)
(5)
(6)
(7) 296 (LB/PK)
(8) 1436 (VT/OG)
(9) 1544 (OG)
(10) 70 (LB/WH)
(11) 1435 (DG/VT)
(12)

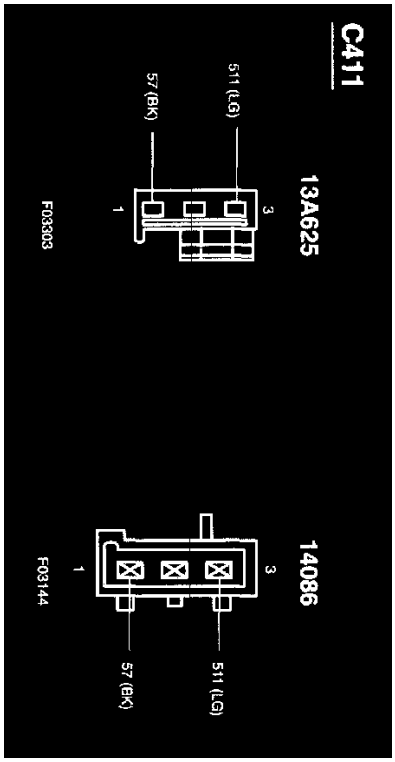

C340
14A005
1153 (RD/BK)
295 (LB/PK)
51 (BK/WH)
57 (BK)
14B084
295 (LB/PK)
1153 (RD/BK)
57 (BK)
51 (BK/WH)
F04075

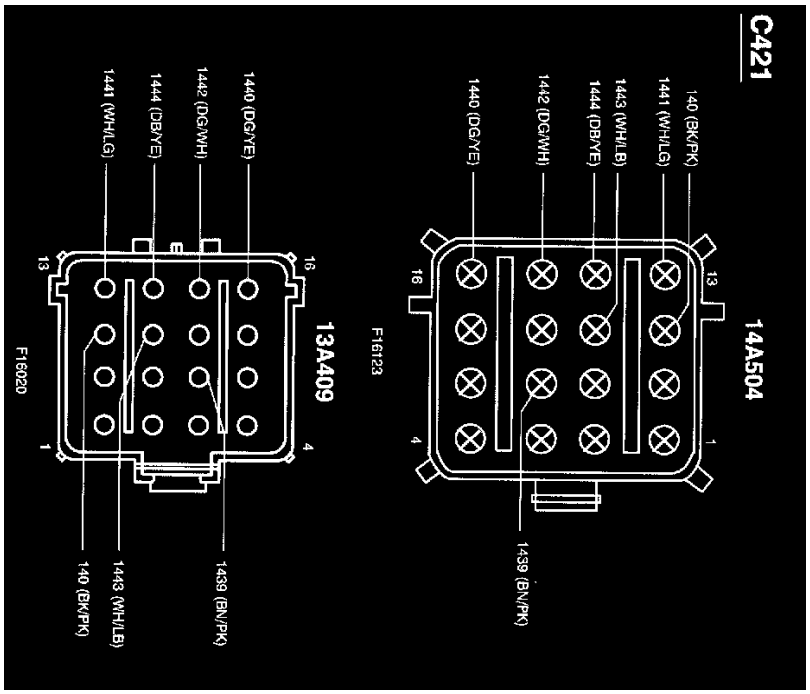

C405
13A409
57 (BK)
1439 (BN/PK)
9 (LG/OG)
140 (BK/PK)
1443 (WH/LB)
14 (BN)
5 (OG/LB)
1440 (DG/YE)
1441 (WH/LG)
1444 (DB/YE)
1442 (DG/WH)
F16093
14405
5 (OG/LB)
1440 (DG/YE)
1441 (WH/LG)
1444 (DB/YE)
1442 (DG/WH)
57 (BK)
1439 (BN/PK)
9 (LG/OG)
140 (BK/PK)
1443 (WH/LB)
14 (BN)
F16020

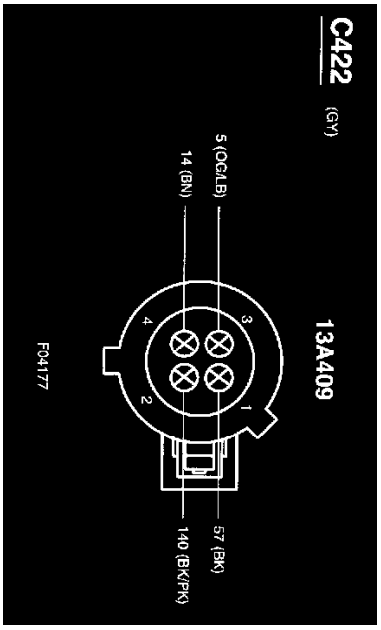

C406
14N139
1444 (DB/YE)
1442 (DG/WH)
1441 (WH/LG)
1440 (DG/YE)
1439 (BN/PK)
1443 (WH/LB)
F08050
14405
1439 (BN/PK)
1443 (WH/LB)
1444 (DB/YE)
1442 (DG/WH)
1441 (WH/LG)
1440 (DG/YE)
F08052

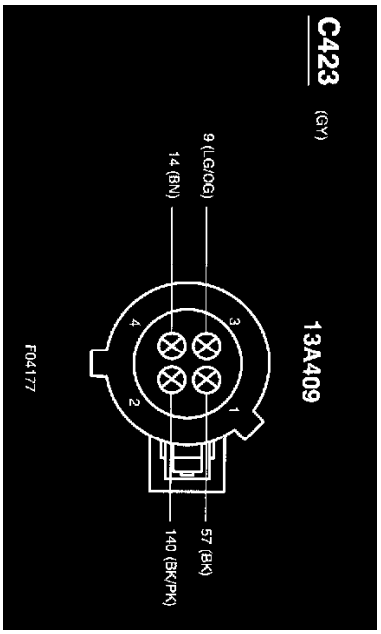

C408
(GY)
13A409
5 (OG/LB)
9 (LG/OG)
140 (BK/PK)
14 (BN)
57 (BK)
511 (LG)
F08050
14405
57 (BK)
511 (LG)
5 (OG/LB)
9 (LG/OG)
140 (BK/PK)
14 (BN)
F08052

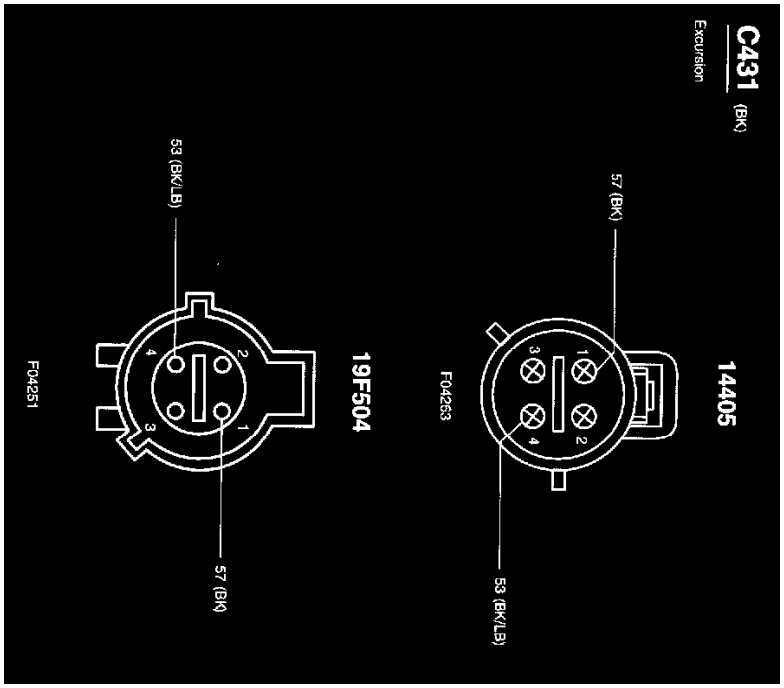

C410
13A576
64 (DG)
43 (DB)
963 (BK/LG)
962 (BN/WH)
206 (WH)
49 (OG)
43 (DB)
52 (YE)
F12045
14405
49 (OG)
43 (DB)
52 (YE)
64 (DG)
43 (DB)
963 (BK/LG)
962 (BN/WH)
206 (WH)
F12046

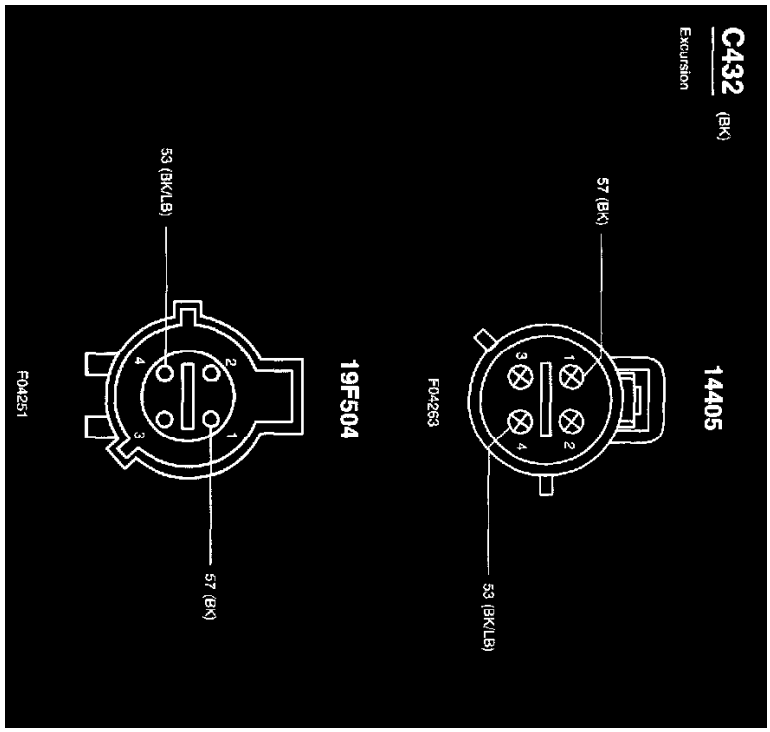

C411
13A625
511 (LG)
57 (BK)
3
1
F03303
14086
3
1
511 (LG)
57 (BK)
F03144

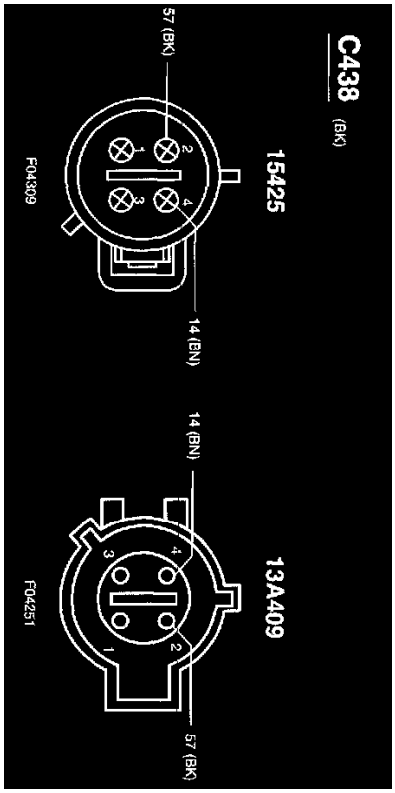

C421
14A504
140 (BK/PK)
1441 (WH/LG)
1443 (WH/LB)
1444 (DB/YE)
1442 (DG/WH)
1440 (DG/YE)
1439 (BN/PK)
13
1
16
4
F16123
13A409
1440 (DG/YE)
1442 (DG/WH)
1444 (DB/YE)
1441 (WH/LG)
1439 (BN/PK)
1443 (WH/LB)
140 (BK/PK)
16
4
13
1
F16020

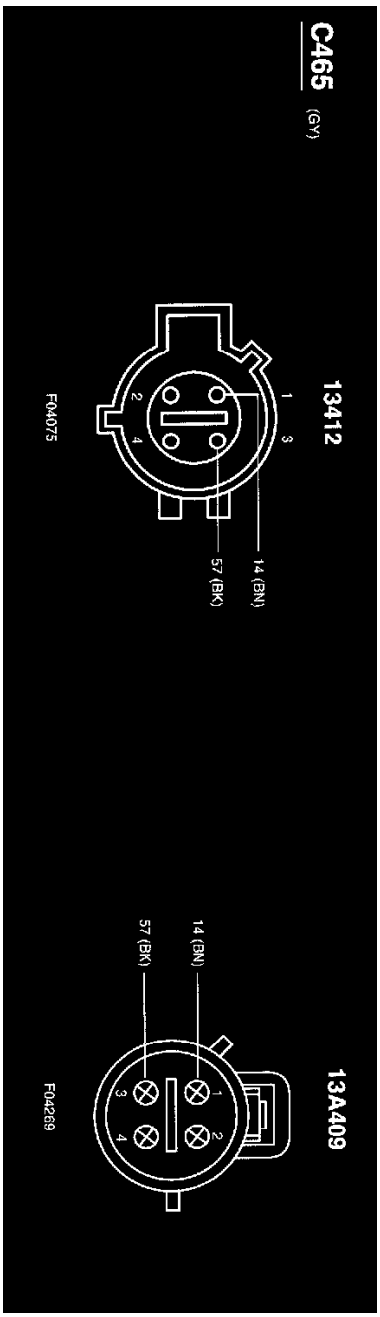

C422
(GY)
13A409
5 (OG/LB)
14 (BN)
57 (BK)
140 (BK/PK)
1
2
3
4
F04177

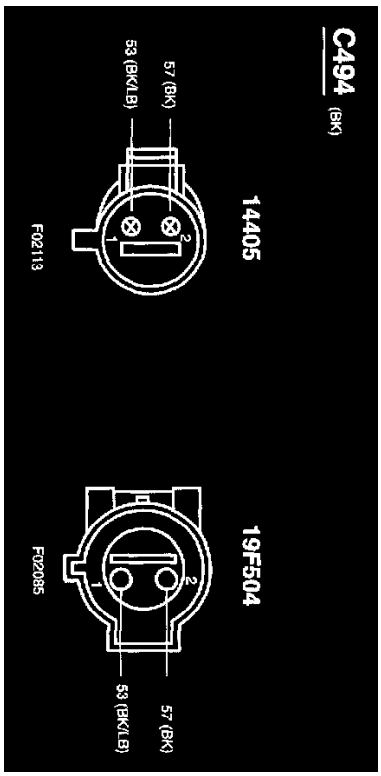

C423
(GY)
13A409
9 (LG/OG)
14 (BN)
57 (BK)
140 (BK/PK)
1
2
3
4
F04177

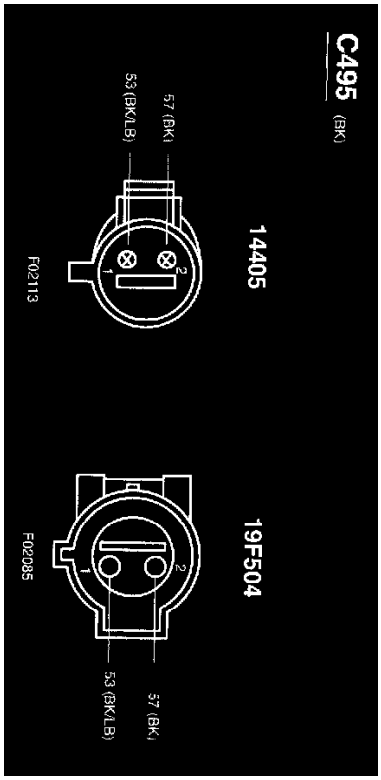

C431 (BK)
Excursion
14405
57 (BK)
53 (BK/LB)
F04263
19F504
53 (BK/LB)
57 (BK)
F04251

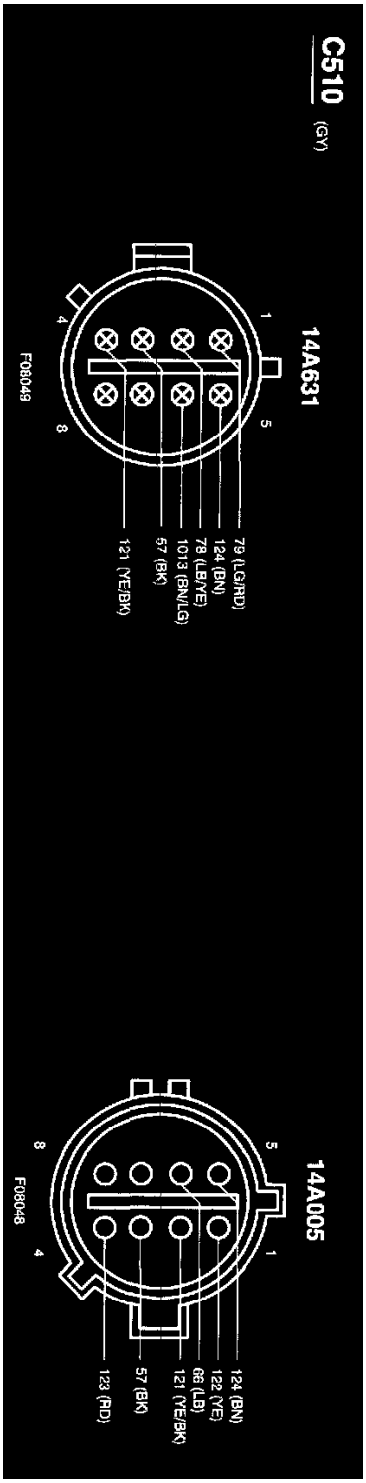

C432 (BK)
Excursion
14405
57 (BK)
53 (BK/LB)
F04263
19F504
53 (BK/LB)
57 (BK)
F04251

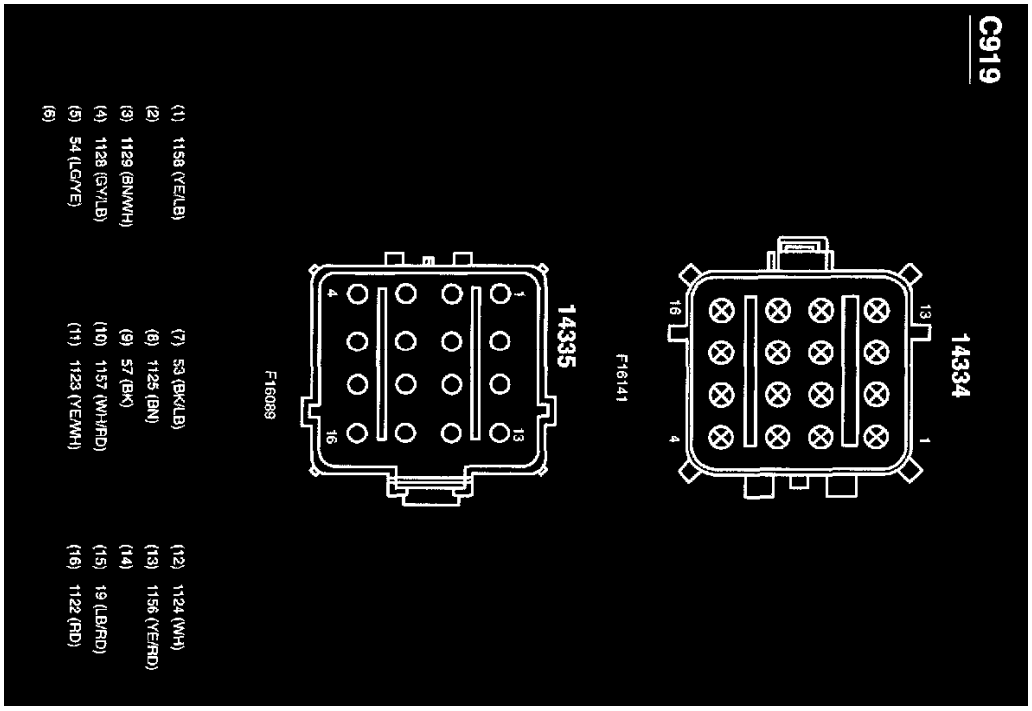

C438
(BK)
15425
57 (BK)
14 (BN)
F04309
13A409
14 (BN)
57 (BK)
F04251

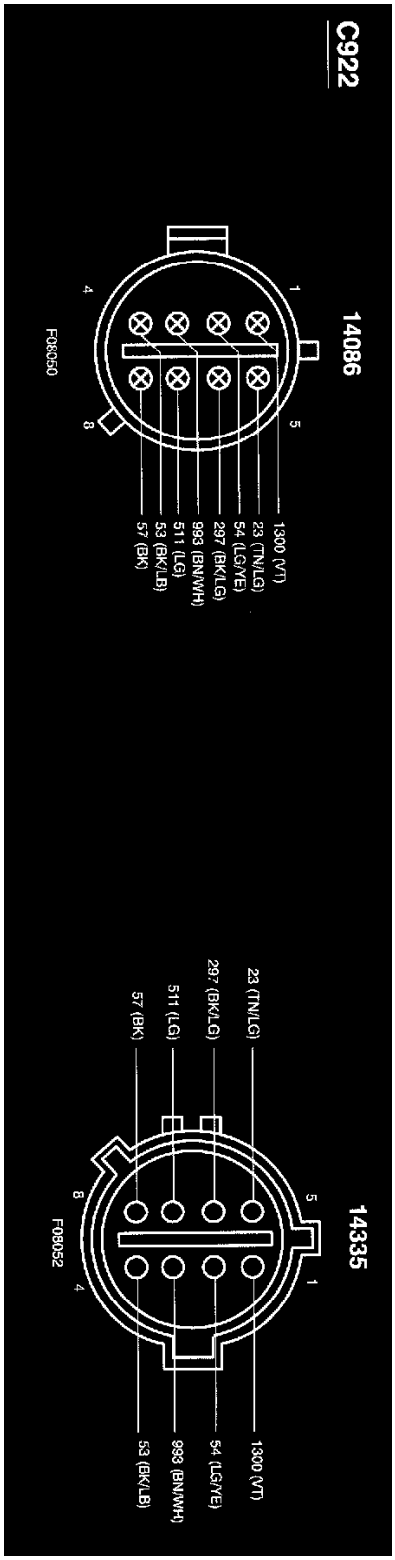

C465
(GY)
13412
1
3
2
4
14 (BN)
57 (BK)
F04075
13A409
14 (BN)
57 (BK)
1
2
3
4
F04269

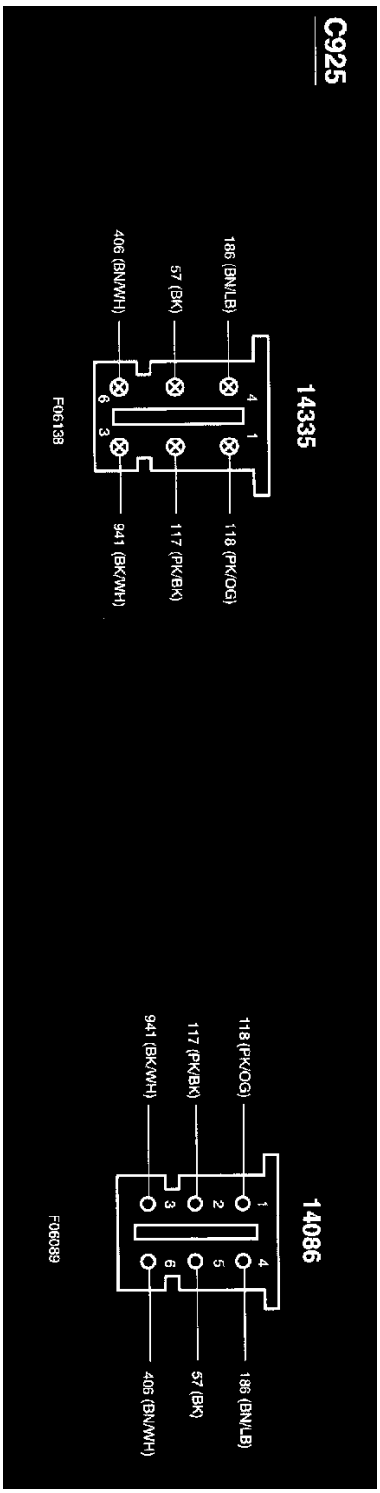

C494
(BK)
14405
57 (BK)
53 (BK/LB)
F02113
19F504
F02085
53 (BK/LB)
57 (BK)

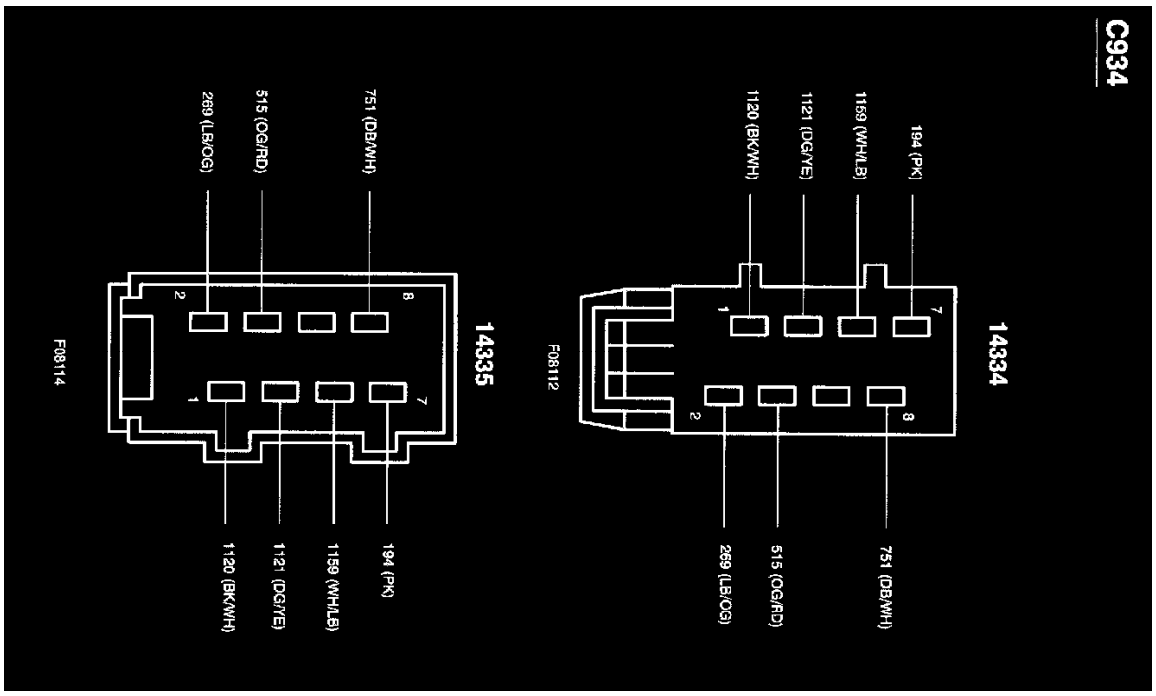

C495
(BK)
14405
57 (BK)
53 (BK/LB)
F02113
19F504
F02085
57 (BK)
53 (BK/LB)

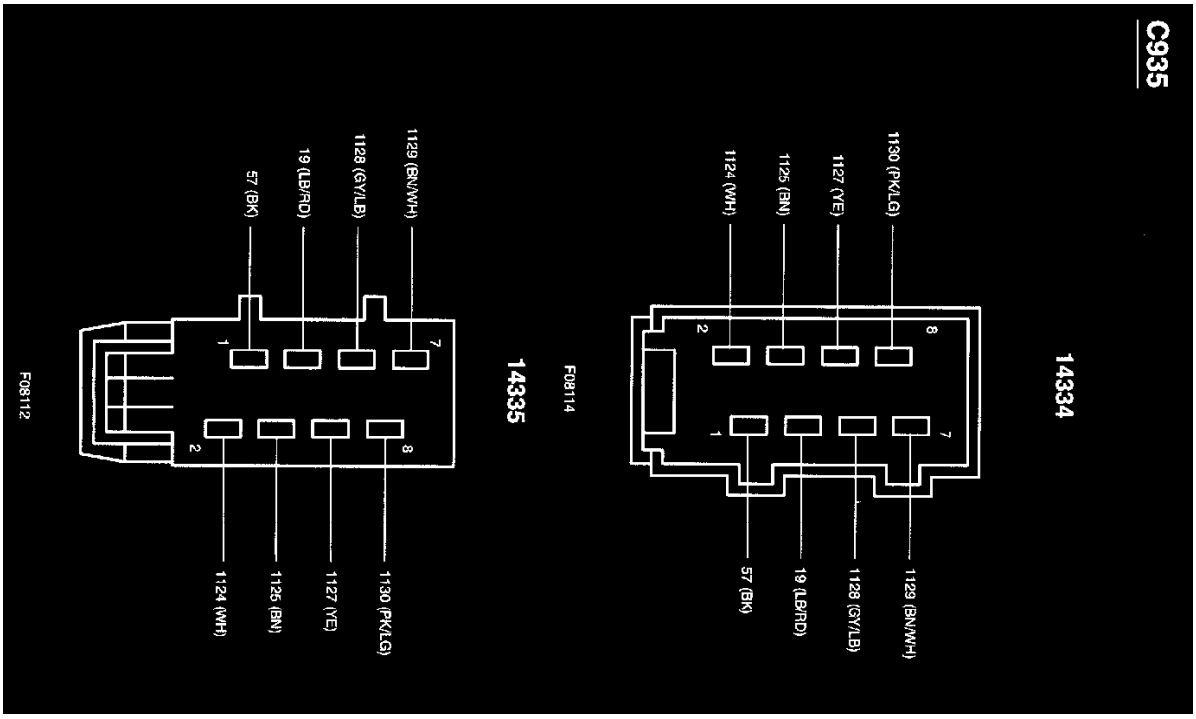

C510
(GY)
14A631
1
5
4
8
F08049
79 (LG/RD)
124 (BN)
78 (LB/YE)
1013 (BN/LG)
57 (BK)
121 (YE/BK)
14A005
5
1
8
4
F08048
124 (BN)
122 (YE)
66 (LB)
121 (YE/BK)
57 (BK)
123 (RD)

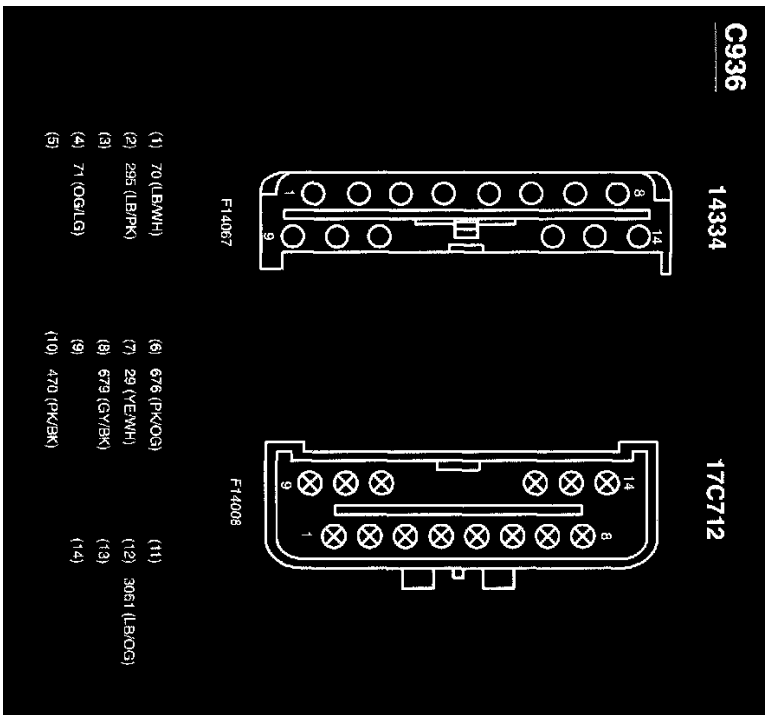

C919
14334
13
1
16
4
F16141
14335
1
13
4
16
F16089
(1) 1158 (YE/LB)
(2)
(3) 1129 (BN/WH)
(4) 1128 (GY/LB)
(5) 54 (LG/YE)
(6)
(7) 53 (BK/LB)
(8) 1125 (BN)
(9) 57 (BK)
(10) 1157 (WH/RD)
(11) 1123 (YE/WH)
(12) 1124 (WH)
(13) 1156 (YE/RD)
(14)
(15) 19 (LB/RD)
(16) 1122 (RD)

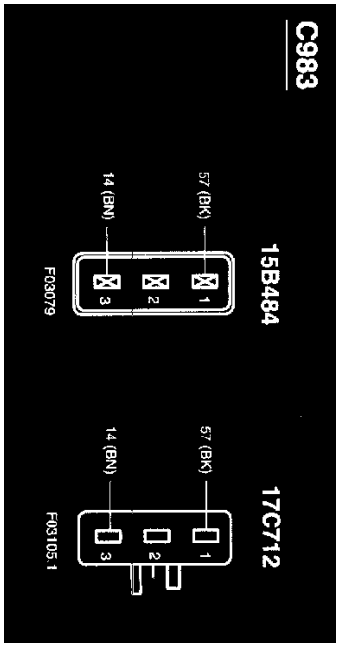

C922
14086
1
5
4
8
F06050
1300 (VT)
23 (TN/LG)
54 (LG/YE)
297 (BK/LG)
993 (BN/WH)
511 (LG)
53 (BK/LB)
57 (BK)
14335
5
1
8
4
F08052
23 (TN/LG)
297 (BK/LG)
511 (LG)
57 (BK)
1300 (VT)
54 (LG/YE)
993 (BN/WH)
53 (BK/LB)

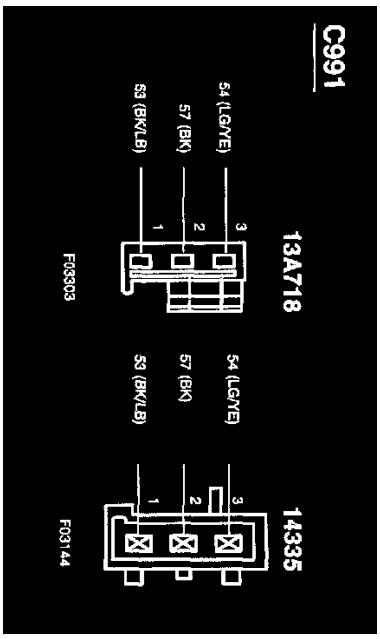

C925
14335
186 (BN/LB)
57 (BK)
406 (BN/WH)
118 (PK/OG)
117 (PK/BK)
941 (BK/WH)
F06138
14086
118 (PK/OG)
117 (PK/BK)
941 (BK/WH)
186 (BN/LB)
57 (BK)
406 (BN/WH)
F06089

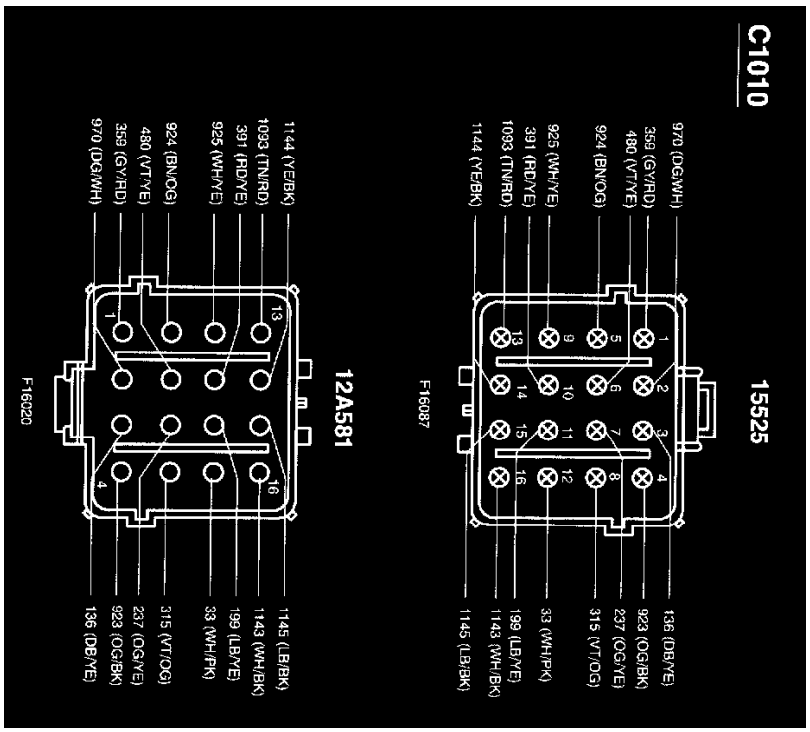

C934
14334
194 (PK)
1159 (WH/LB)
1121 (DG/YE)
1120 (BK/WH)
751 (DB/WH)
515 (OG/RD)
269 (LB/OG)
F08112
14335
751 (DB/WH)
515 (OG/RD)
269 (LB/OG)
194 (PK)
1159 (WH/LB)
1121 (DG/YE)
1120 (BK/WH)
F08114

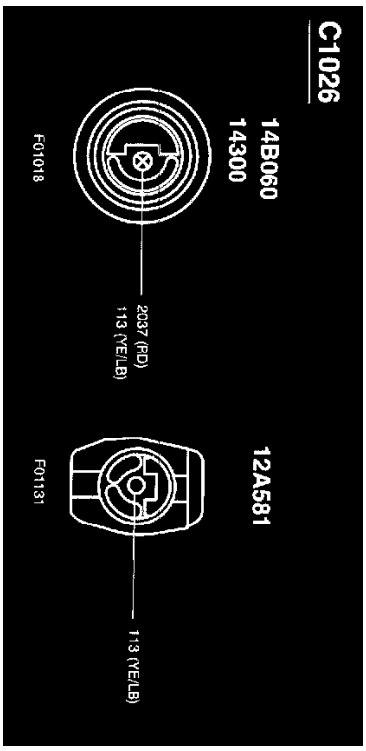

C935
14334
1130 (PK/LG)
1127 (YE)
1125 (BN)
1124 (WH)
1129 (BN/WH)
1128 (GY/LB)
19 (LB/RD)
57 (BK)
F08114
14335
1129 (BN/WH)
1128 (GY/LB)
19 (LB/RD)
57 (BK)
1130 (PK/LG)
1127 (YE)
1125 (BN)
1124 (WH)
F08112

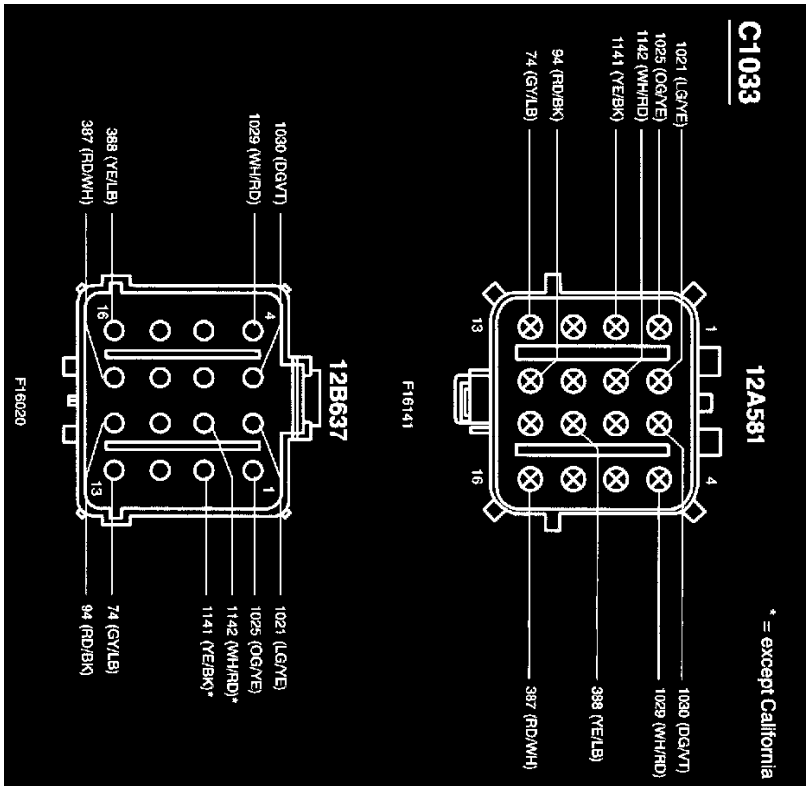

C936
14334
F14067
17C712
F14008
(1) 70 (LB/WH)
(2) 295 (LB/PK)
(3)
(4) 71 (OG/LG)
(5)
(6) 676 (PK/OG)
(7) 29 (YE/WH)
(8) 679 (GY/BK)
(9)
(10) 470 (PK/BK)
(11)
(12) 3061 (LB/OG)
(13)
(14)

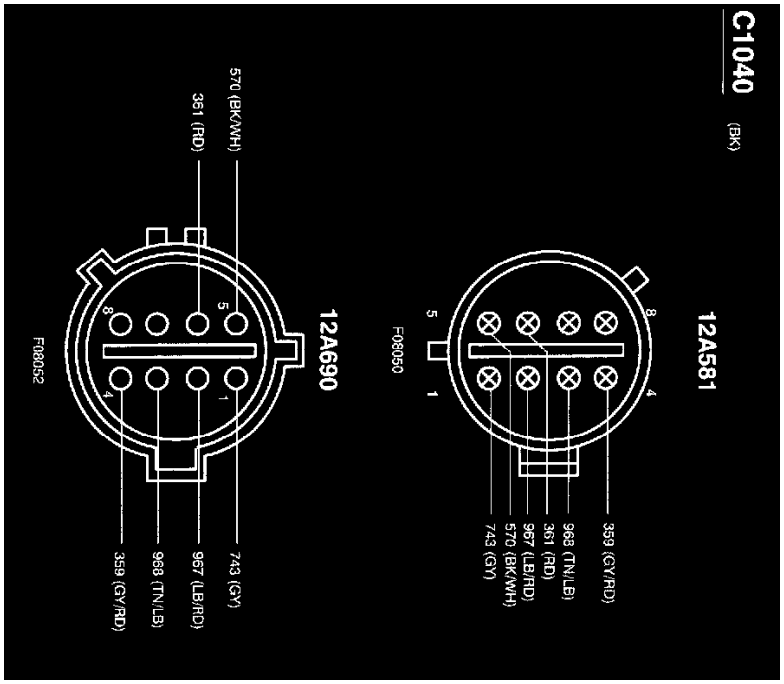

C983
15B484
57 (BK)
14 (BN)
F03079
17C712
57 (BK)
14 (BN)
F03105.1

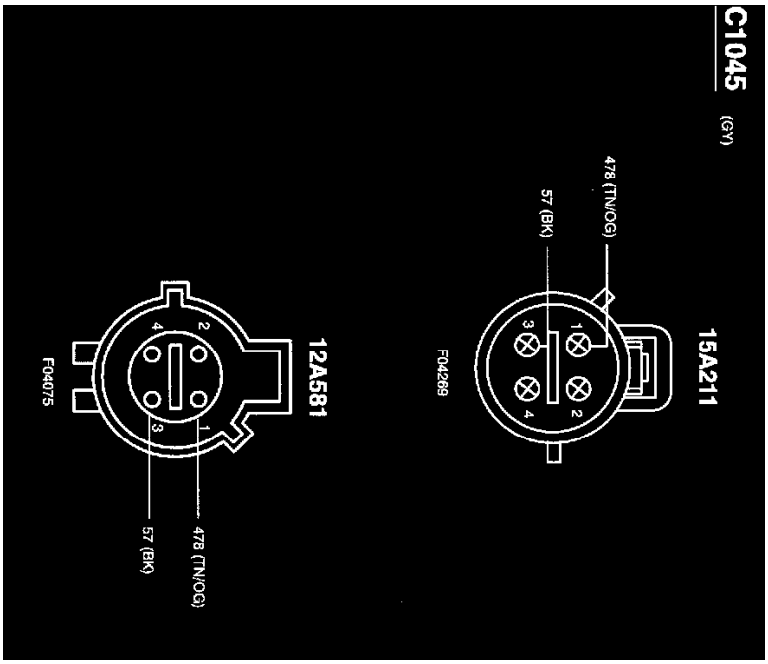

C991
13A718
54 (LG/YE)
57 (BK)
53 (BK/LB)
3
2
1
F03303
14335
54 (LG/YE)
57 (BK)
53 (BK/LB)
3
2
1
F03144

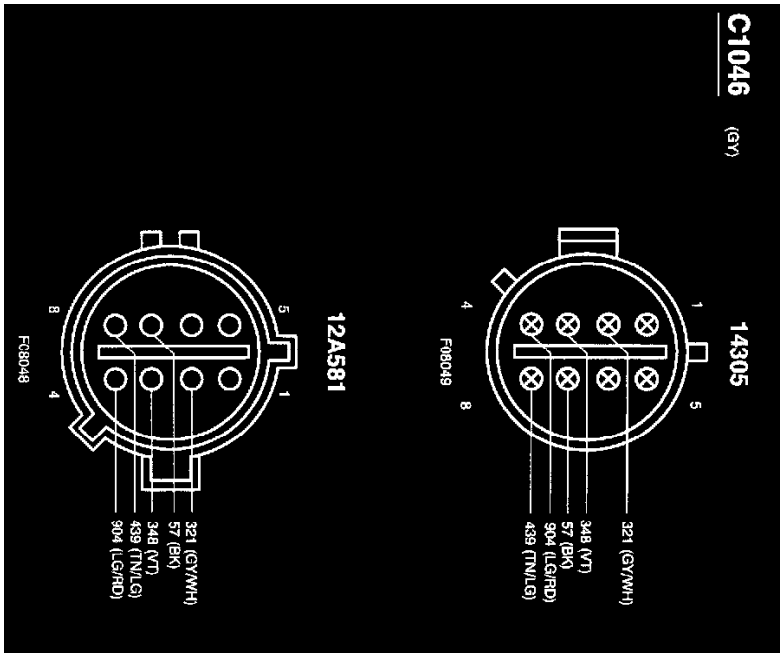

C1010
15525
979 (DG/WH)
359 (GY/RD)
480 (VT/YE)
924 (BN/OG)
925 (WH/YE)
391 (RD/YE)
1093 (TN/RD)
1144 (YE/BK)
136 (DB/YE)
923 (OG/BK)
237 (OG/YE)
315 (VT/OG)
33 (WH/PK)
199 (LB/YE)
1143 (WH/BK)
1145 (LB/BK)
F16087
12A581
1144 (YE/BK)
1093 (TN/RD)
391 (RD/YE)
925 (WH/YE)
924 (BN/OG)
480 (VT/YE)
359 (GY/RD)
979 (DG/WH)
1145 (LB/BK)
1143 (WH/BK)
199 (LB/YE)
33 (WH/PK)
315 (VT/OG)
237 (OG/YE)
923 (OG/BK)
136 (DB/YE)
F16020

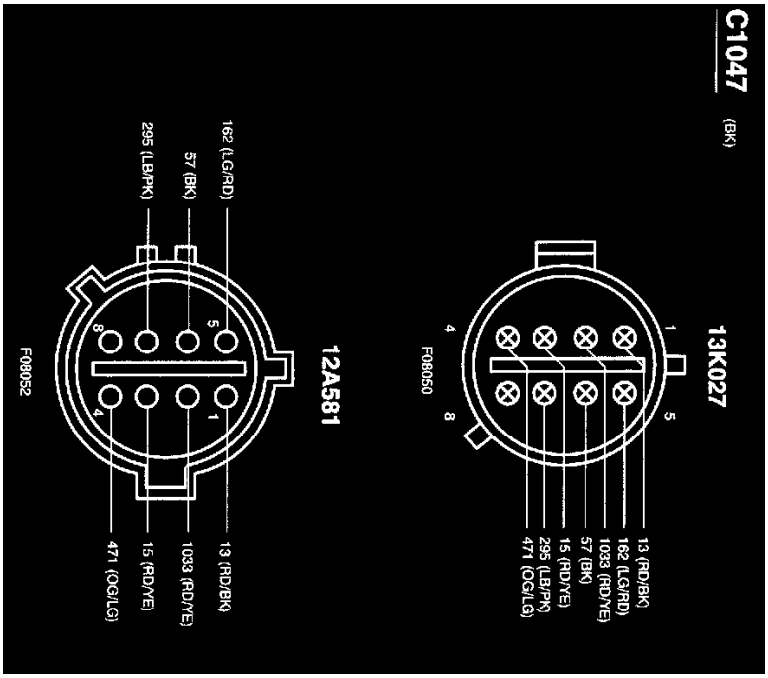

C1026
14B060
14300
F01018
2037 (PD)
113 (YE/LB)
12A581
F01131
113 (YE/LB)

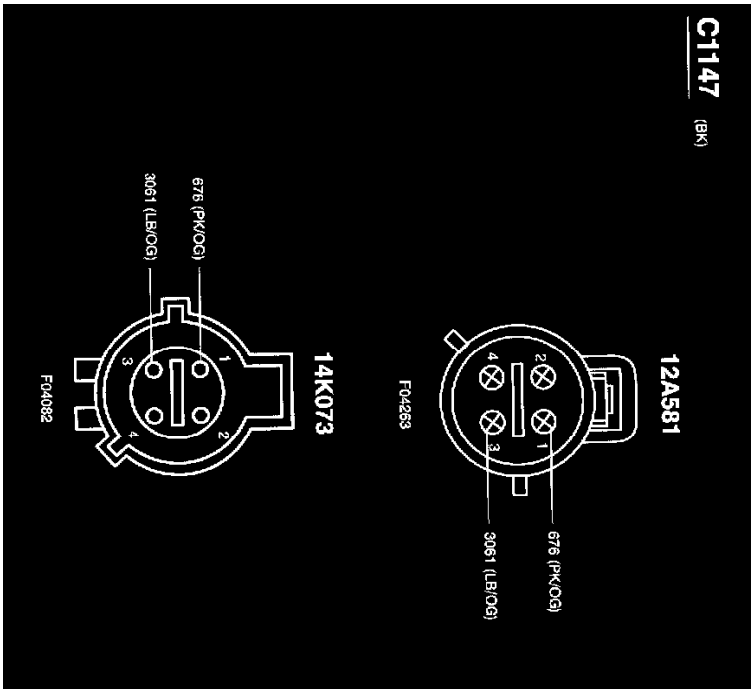

C1033
12A581
* = except California
1021 (LG/YE)
1025 (OG/YE)
1142 (WH/RD)
1141 (YE/BK)
94 (RD/BK)
74 (GY/LB)
1030 (DG/VT)
1029 (WH/RD)
388 (YE/LB)
387 (RD/WH)
F16141
12B637
1030 (DG/VT)
1029 (WH/RD)
388 (YE/LB)
387 (RD/WH)
1021 (LG/YE)
1025 (OG/YE)
1142 (WH/RD)*
1141 (YE/BK)*
74 (GY/LB)
94 (RD/BK)
F16020

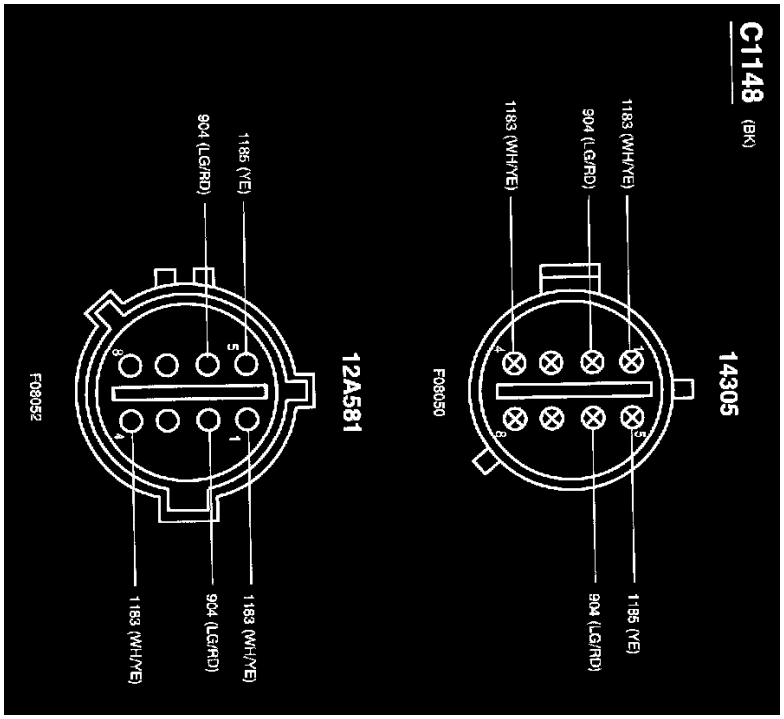

C1040
(BK)
12A581
8
4
5
1
359 (GY/RD)
968 (TN/LB)
361 (RD)
967 (LB/RD)
570 (BK/WH)
743 (GY)
F08050
12A690
570 (BK/WH)
361 (RD)
743 (GY)
967 (LB/RD)
968 (TN/LB)
359 (GY/RD)
5
1
8
4
F08052

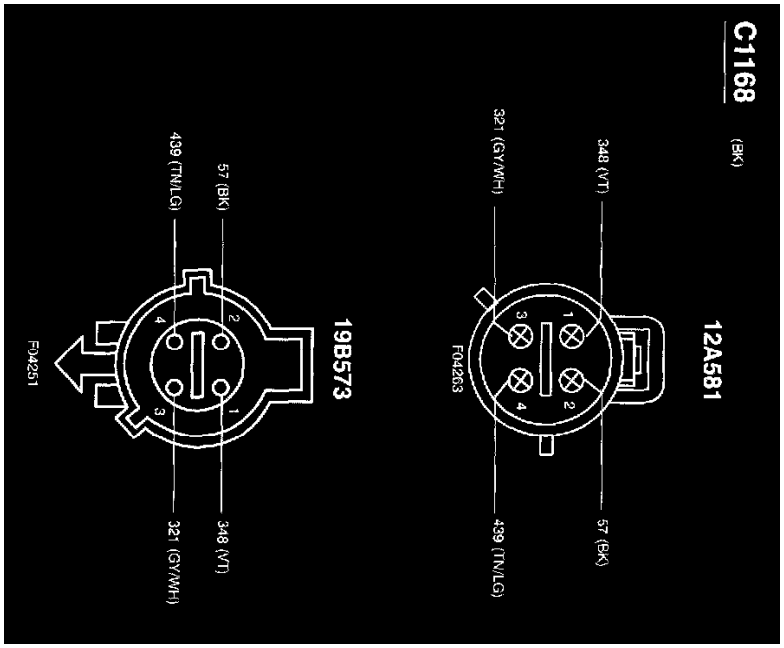

C1045
(GY)
15A211
478 (TN/OG)
57 (BK)
1
2
3
4
F04269
12A581
2
1
4
3
478 (TN/OG)
57 (BK)
F04075

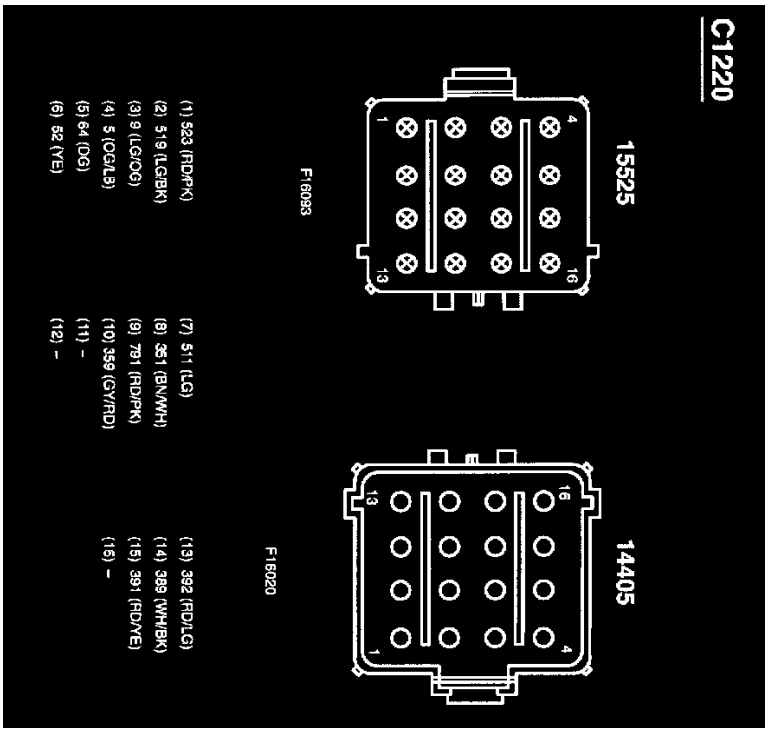

C1046
(GY)
14305
1
5
4
8
F08049
321 (GY/WH)
348 (VT)
57 (BK)
904 (LG/RD)
439 (TN/LG)
12A581
5
1
8
4
F08048
321 (GY/WH)
57 (BK)
348 (VT)
439 (TN/LG)
904 (LG/RD)

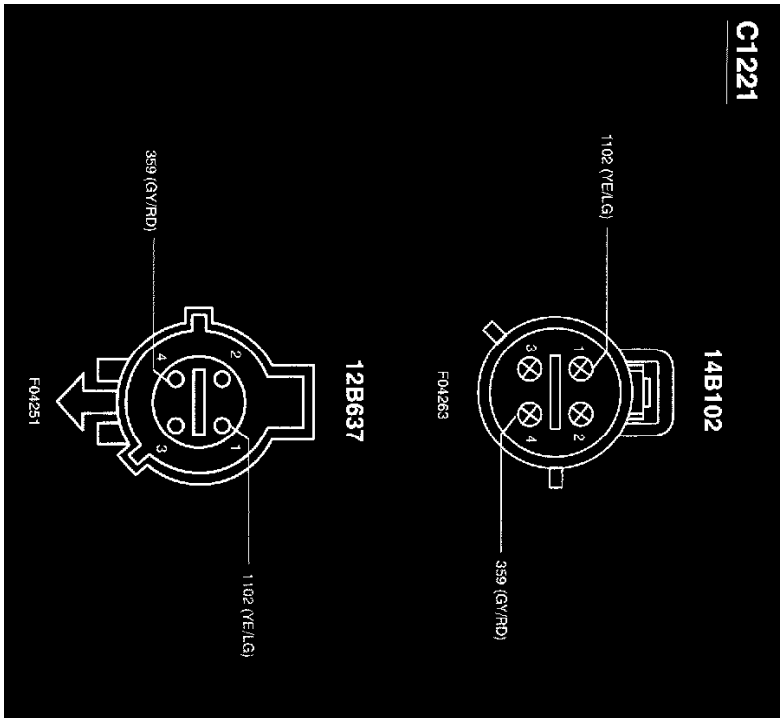

C1047
(BK)
13K027
1
5
4
8
F08050
13 (RD/BK)
162 (LG/RD)
1033 (RD/YE)
57 (BK)
15 (RD/YE)
295 (LB/PK)
471 (OG/LG)
12A581
5
1
8
4
F08052
162 (LG/RD)
57 (BK)
295 (LB/PK)
13 (RD/BK)
1033 (RD/YE)
15 (RD/YE)
471 (OG/LG)

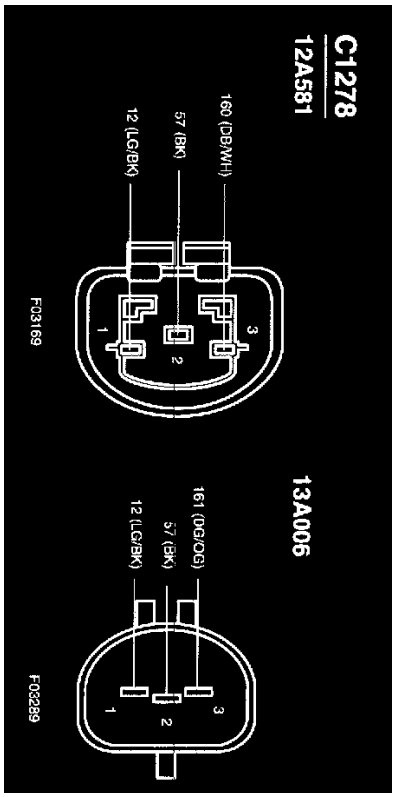

C1147 (BK)
12A581
676 (PK/OG)
3061 (LB/OG)
F04263
14K073
676 (PK/OG)
3061 (LB/OG)
F04082

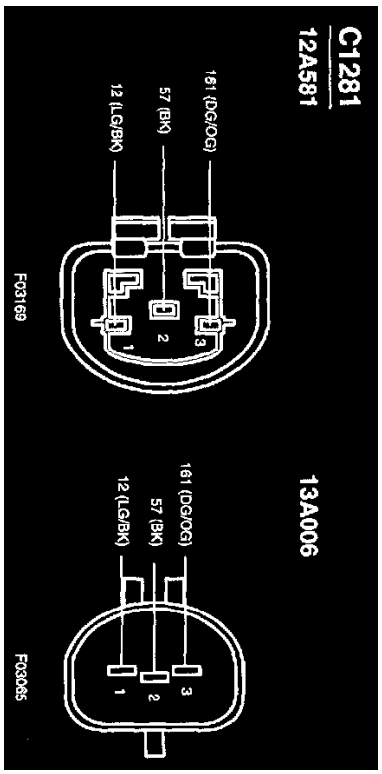

C1148 (BK)
14305
1183 (WH/YE)
904 (LG/RD)
1183 (WH/YE)
1185 (YE)
904 (LG/RD)
F08050
12A581
1185 (YE)
904 (LG/RD)
1183 (WH/YE)
904 (LG/RD)
1183 (WH/YE)
F08052

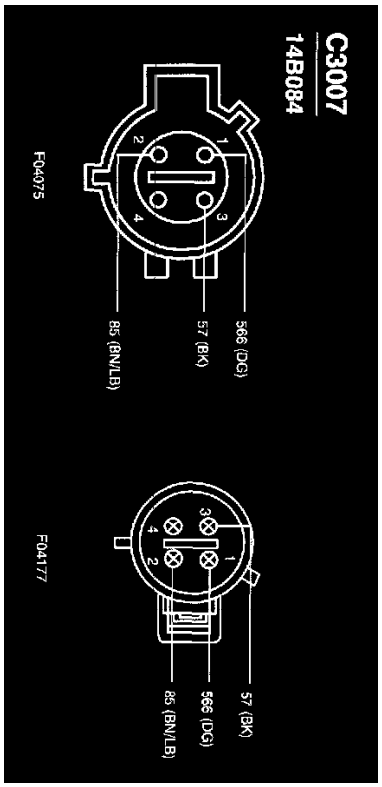

C1168
(BK)
12A581
348 (VT)
321 (GY/WH)
57 (BK)
439 (TN/LG)
F04263
19B573
57 (BK)
439 (TN/LG)
348 (VT)
321 (GY/WH)
FD4251

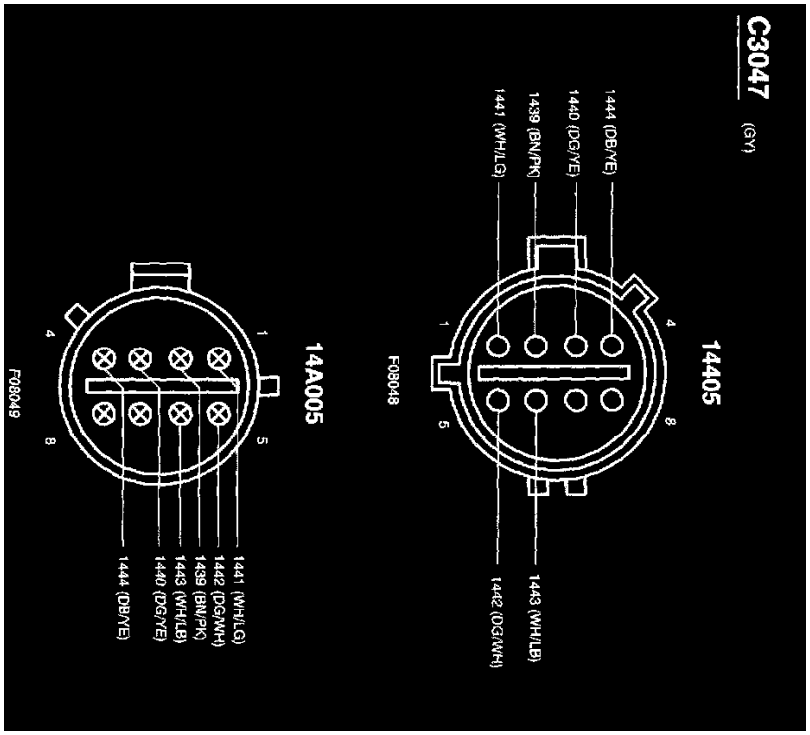

C1220
15525
F16093
(1) 523 (RD/PK)
(2) 519 (LG/BK)
(3) 9 (LG/OG)
(4) 5 (OG/LB)
(5) 64 (DG)
(6) 52 (YE)
(7) 511 (LG)
(8) 351 (BN/WH)
(9) 791 (RD/PK)
(10) 359 (GY/RD)
(11) –
(12) –
14405
F16020
(13) 392 (RD/LG)
(14) 389 (WH/BK)
(15) 391 (RD/YE)
(16) –

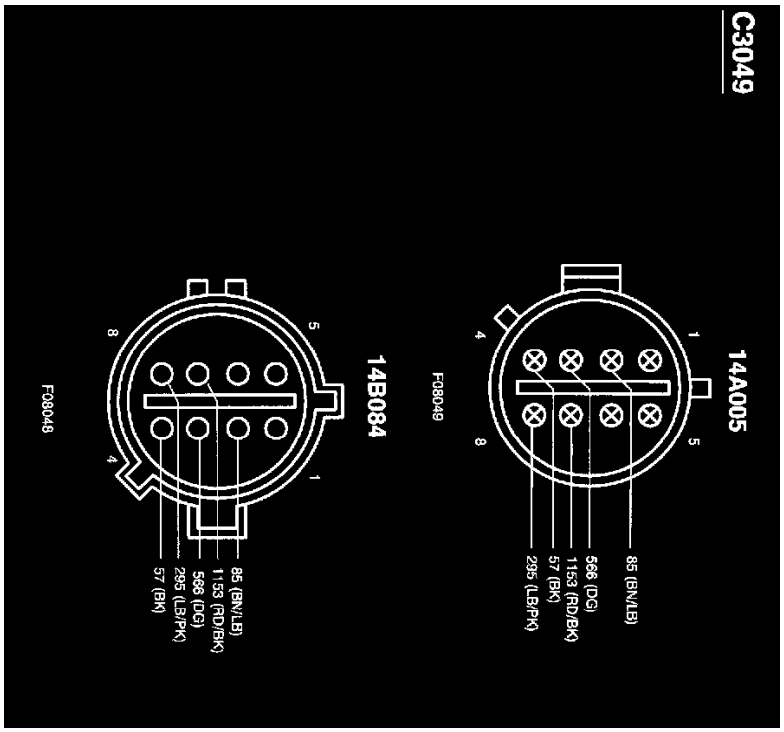

C1221
14B102
1102 (YE/LG)
359 (GY/RD)
F04263
12B637
359 (GY/RD)
1102 (YE/LG)
F04251


C1278
12A581
160 (DB/WH)
57 (BK)
12 (LG/BK)
F03169
13A006
161 (OG/OG)
57 (BK)
12 (LG/BK)
F03289


C1281
12A581
161 (DG/OG)
57 (BK)
12 (LG/BK)
F03169
13A006
161 (DG/OG)
57 (BK)
12 (LG/BK)
F03085


C3007
14B084
566 (DG)
57 (BK)
85 (BN/LB)
F04075
57 (BK)
566 (DG)
85 (BN/LB)
F04177


C3047 (GY)
14405
1444 (DB/YE)
1440 (DG/YE)
1439 (BN/PK)
1441 (WH/LG)
1443 (WH/LB)
1442 (DG/WH)
F08048
14A005
1441 (WH/LG)
1442 (DG/WH)
1439 (BN/PK)
1443 (WH/LB)
1440 (DG/YE)
1444 (DB/YE)
F08049


C3049
14A005
85 (BN/LB)
568 (DG)
1153 (RD/BK)
57 (BK)
295 (LB/PK)
F08049
14B084
85 (BN/LB)
1153 (RD/BK)
568 (DG)
295 (LB/PK)
57 (BK)
F08048

C1187

12A581

K352
Trailer tow relay, right turn

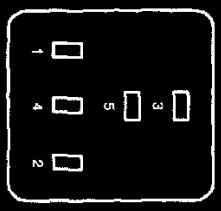
F05139

Pin	Circuit	Circuit function
1	5 (OG/LB)	Relay, control
2	57 (BK)	Ground
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	64 (DG)	Wire insulation is one color, Turn signal

C1188

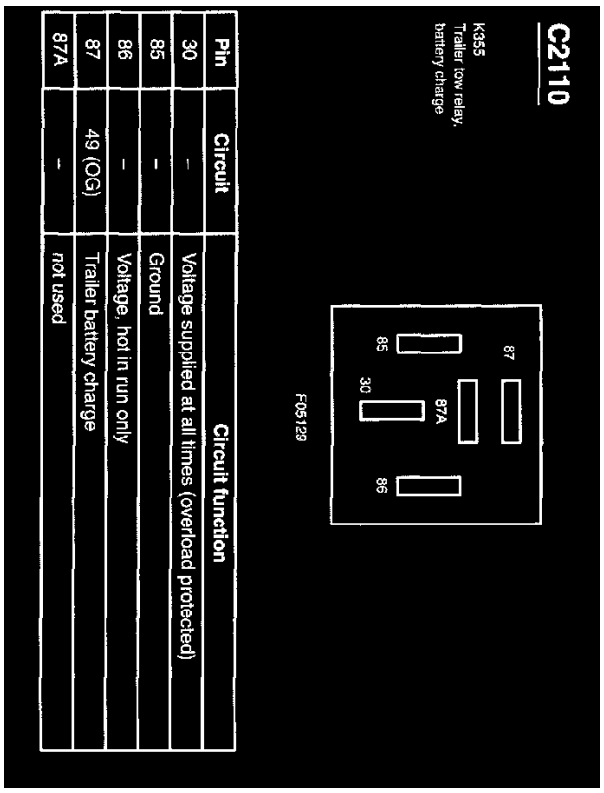
12A581

K353
Trailer tow relay, left turn



F05139

Pin	Circuit	Circuit function
1	9 (LG/OG)	Relay, control
2	57 (BK)	Ground
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	52 (YE)	Trailer lamp socket, Turn signal



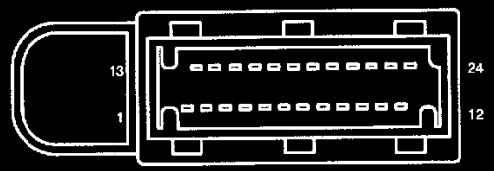
Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (overload protected)
85	-	Ground
86	-	Voltage, hot in run only
87	49 (OG)	Trailer battery charge
87A	-	*not used*

Relay Box

C270a

14401

P91
Central Junction
Box (CJB) (14A068)



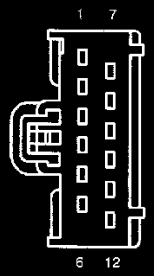
F32003

Pin	Circuit	Circuit function
1	54 (LG/YE)	Accessory delay, switched power input
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	33 (WH/PK)	switched power, to starter solenoid
5	296 (WH/VT)	Voltage in Run (overload protected)
6	–	not used
7	1306 (PK/WH)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
8	640 (RD/YE)	Power (Start or Run)
9	688 (GY/LB)	Voltage supplied in Start and Run (overload protected)
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	399 (BN/YE)	Blower motor relay, control
	296 (WH/VT)	Voltage, hot in run only
12	57 (BK)	Ground
	399 (BN/YE)	Blower motor relay, control
13	12 (LG/BK)	Switched, Ground
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Battery saver relay, switched power
16	294 (WH/LB)	Voltage supplied in Start and Run (overload protected)
17	276 (BN)	Blower motor relay, control
18	609 (OG/YE)	Voltage supplied at all times (overload protected)
19	1 (DB)	Horn relay, control
20	–	not used
21	295 (LB/PK)	electronic cluster, Accessory, feed
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Window safety relay, switched output
24	829 (WH/VT)	Voltage supplied at all times (overload protected)

C270b

14401

P91
Central Junction
Box (CJB) (14A068)



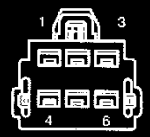
F12137

Pin	Circuit	Circuit function
1	–	not used
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	9 (LG/OG)	Turn lamps, feed, left rear
4	1266 (RD/YE)	Hot in Start or Run
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied at all times (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Park lamp relay – fused feed
11	5 (OG/LB)	Turn lamps, feed, right rear
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270c

14401

P91
Central Junction
Box (CJB) (14A068)



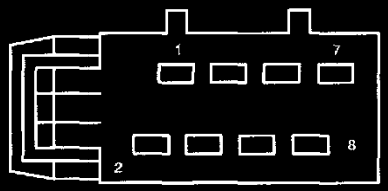
F06267

Pin	Circuit	Circuit function
1	1050 (LG/VT)	Voltage supplied at all times (overload protected)
2	37 (YE)	Voltage supplied at all times (overload protected)
3	1040 (RD/BK)	Voltage in Run (overload protected)
4	964 (DB/LG)	fused feed, Accessory
5	687 (GY/YE)	Voltage in Run (overload protected)
6	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C270d

14401

P91
Central Junction
Box (CJB) (14A068)



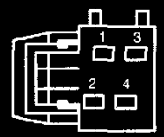
F08112

Pin	Circuit	Circuit function
1	1542 (RD)	Voltage supplied at all times (overload protected)
2	–	not used
3	1567 (RD/LB)	Voltage supplied at all times (overload protected), to, Adjustable pedal switch
4	364 (BK/LG)	Voltage supplied at all times (overload protected), to, Auxiliary A/C relay
5	797 (LG/VT)	Voltage supplied at all times (overload protected)
6	–	not used
7	40 (LB/WH)	Cigar lighter, feed
8	59 (DG/VT)	fused feed, to, Rear window defrost switch (18578)

C270e

14401

P91
Central Junction Box (CJB)
(14A068)



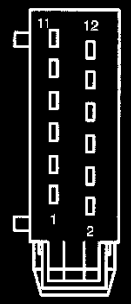
F04140

Pin	Circuit	Circuit function
1	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
4	325 (DB/OG)	Starter relay (11450), control

C270f (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



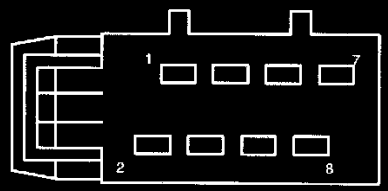
F12056

Pin	Circuit	Circuit function
1	140 (BK/PK)	Voltage supplied in reverse
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	533 (TN/RD)	Voltage supplied at all times (overload protected)
5	57 (BK)	Ground
6	1093 (TN/RD)	Power, Hot in Start with Park or Neutral
7	54 (LG/YE)	Voltage supplied at all times (overload protected)
8	–	not used
9	–	not used
10	926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270g (BK)

12A581

P91
Central Junction
Box (CJB) (14A068)



F08112

Pin	Circuit	Circuit function
1	–	not used
2	113 (YE/LB)	Starter motor (11002), to, Starter relay (11450)
3	–	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	22 (LB/BK)	Brake feed
6	181 (BN/OG)	Voltage supplied at all times (overload protected)
7	729 (RD/WH)	Voltage supplied at all times (overload protected)
8	876 (DG/LG)	Power, from, Injector Driver Module (IDM) power relay

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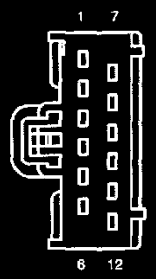
C270h

12A581

P91
Central Junction
Box (CJB) (14A068)

* = automatic transmission
** = Diesel only
*** = gasoline engines



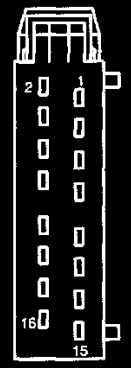
F12137

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	478 (TN/OG)	Fog lamp switch, to rear fog lamp
3	14 (BN)	Power, Exterior lamps
4	814** (WH/BK)	Injector Driver Module (IDM) power relay, control
5	361 (RD)	Voltage supplied in Start and Run (overload protected)
6	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	33 (WH/PK)*	switched power, to starter solenoid
9	6 (YE/LG)	Horn relay, switched power, output
10	238 (DG/YE)***	Fuel pump relay, switched power, output
11	326 (WH/VT)	Central Junction Box (CJB) (14A068), to, Ignition relay
12	554 (YE/BK)	Voltage supplied at all times (overload protected)

C270j

14A005

P91
Central Junction
Box (CJB) (14A068)



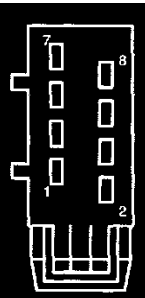
F16046

Pin	Circuit	Circuit function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	–	not used
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	–	not used
5	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
6	–	not used
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps
8	297 (BK/LG)	Voltage in Run or Accessory (overload protected)
9	–	not used
10	140 (BK/PK)	Voltage supplied in reverse
11	194 (PK)	Window safety relay, switched output
12	14 (BN)	Power, Exterior lamps
13	–	not used
14	295 (LB/PK)	electronic cluster, Accessory, feed
15	962 (BN/WH)	Trailer tow relay, switched output
16	54 (LG/YE)	Voltage supplied at all times (overload protected)

C270k

14A005

P91
Central Junction
Box (CJB) (14A068)



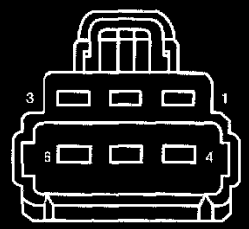
F08112

Pin	Circuit	Circuit function
1	1362 (DG/OG)	Rear Electronic Module (REM), to, Left, Backup Lamps, control
2	1544 (OG)	Voltage supplied at all times (overload protected), to, Power point, rear (19G247)
3	186 (BN/LB)	Rear defrost
4	49 (OG)	Voltage in Run (overload protected)
5	59 (DG/VT)	Heated mirrors
6	1153 (RD/BK)	Voltage supplied at all times (overload protected)
7	1543 (YE)	Voltage supplied at all times (overload protected), to, Power point, C pillar (19N236)
8	–	not used

C270l

14A005

P91
Central Junction
Box (CJB) (14A068)



F06291

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	406 (BN/WH)	Rear wiper motor assembly
4	51 (BK/WH)	Multifunction switch, Voltage: Ignition switch in Start
5	566 (DG)	Voltage supplied at all times (overload protected)
6	400 (LB/BK)	Accessory relay, switched power, output

C270m

14401

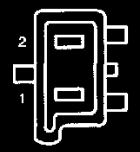
P91
Central Junction Box (CJB) (14A068)

Pin	Circuit	Circuit function
1	–	not used
2	704 (DG/LG)	Voltage supplied at all times (overload protected)
3	532 (OG/YE)	Voltage supplied at all times (overload protected)
4	–	not used
5	–	not used
6	65 (DG)	Voltage supplied at all times (overload protected), to, Windshield wiper motor (17508)

C2003

14401

M236
Adjustable pedal
motor (2C429)



without memory

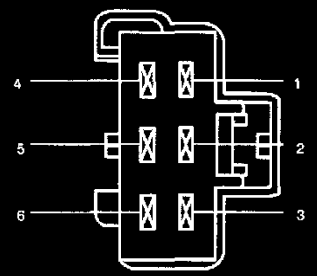
Pin	Circuit	Circuit function
1	1490 (LB/OG)	Adjustable pedal switch
2	1489 (LB/BK)	Adjustable pedal switch

C2159

with memory

14401

M236
Adjustable pedal motor (2C429)



F06112

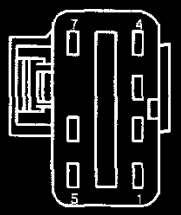
Pin	Circuit	Circuit function
1	446 (OG/WH)	Sensor signal return (reference/ground)
2	1491 (LB/YE)	position sense
3	447 (OG/RD)	Reference voltage
4	–	not used
5	1490 (LB/OG)	Fwd/Rwd motor
6	1489 (LB/BK)	Fwd/Rwd motor

C2089

* = without memory
** = with memory

14401

N449
Adjustable pedal switch



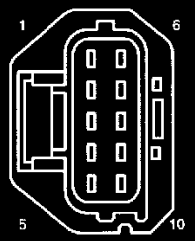
F07103

Pin	Circuit	Circuit function
1	*1489 (LB/BK)	Adjustable pedal motor (2C429)
	**1493 (PK/BK)	Motor position, Forward
2	*1567 (RD/LB)	Voltage supplied at all times (overload protected)
	**676 (PK/OG)	Ground
3	*57 (BK)	Ground
4	57 (BK)	Ground, Illumination
5	19 (LB/RD)	Illumination +
6	57 (BK)	Ground
7	*1490 (LB/OG)	Adjustable pedal motor (2C429)
	**1492 (LB/RD)	Motor position, Rearward

C2040

14401

B129
Accelerator pedal
position sensor

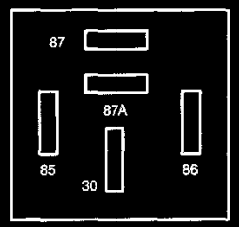


F10105

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	1285 (RD/LG)	position sense
8	355 (GY/WH)	signal +
9	357 (YE/WH)	signal –
10	351 (BN/WH)	Reference, voltage

C2075

K126
Accessory delay
relay



F05129

Pin	Circuit	Circuit function
30	–	Battery Power
85	54 (LG/YE)	Fused accessory relay
86	1332 (LB)	control
87	400 (LB/BK)	fused feed
87A	–	not used

C256

14401

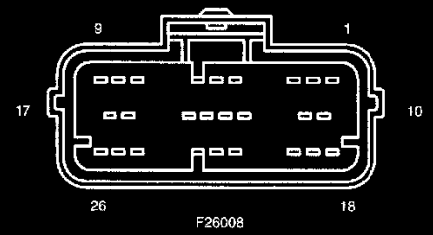
A43
Passenger air bag module (15044A74)

Pin	Circuit	Circuit function
1	616 (PK/BK)	Passenger air bag, return
2	–	not used
3	607 (LB/OG)	Passenger air bag, feed, monitor

C2041

14401

A208
Restraints control module (14B321)

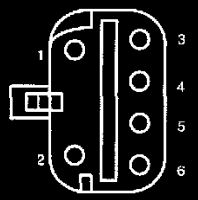


Pin	Circuit	Circuit function
1	–	not used
2	609 (OG/YE)	Voltage in Run (overload protected)
3	614 (GY/OG)	Driver air bag, feed, monitor
4	615 (GY/WH)	Driver air bag, return
5	70 (LB/WH)	ISO Bus
6	607 (LB/OG)	Passenger air bag, feed, monitor
7	616 (PK/BK)	Passenger air bag, return
8	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, input
9	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
10	609 (OG/YE)	Voltage in Run (overload protected)
	649 (BK/OG)	Ground, Pickup, without crew cab
11	–	not used
12	–	not used
13	609 (OG/YE)	Voltage in Run (overload protected)
14	609 (OG/YE)	Voltage in Run (overload protected)
	649 (BK/OG)	Ground, Pickup
15	1081 (YE/RD)	Passenger safety belt retractor pretensioner, feed
16	1082 (YE/BK)	Passenger safety belt retractor pretensioner, return
17	–	not used
18	1079 (LG/RD)	Driver safety belt retractor pretensioner, feed
19	–	not used
20	608 (BK/YE)	Air bag indicator, control
21	649 (BK/OG)	Air bag, dedicated ground
22	1080 (LG/BK)	Driver safety belt retractor pretensioner, return
23	–	not used
24	–	not used
25	–	not used
26	1083 (LB/BK)	Air bag, tone driver

C2099

14401

N475
Passenger Air bag Deactivation (PAD) switch



F06052

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
4	609 (OG/YE)	Voltage supplied at all times (overload protected)
5	649 (BK/OG)	Vehicle identification
6	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, input

C1210

12A581

B269
Air filter sensor

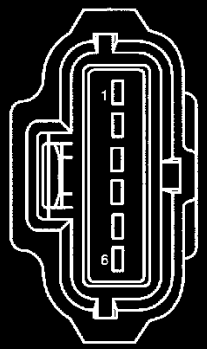
F02501

Pin	Circuit	Circuit function
1	142 (LB/RD)	to Instrument cluster
2	57 (BK)	Ground

C128

12A690

B22
Mass Air Flow (MAF) sensor (12B579)



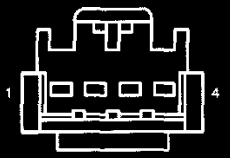
F06077

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground), Intake air temperature sensor
2	361 (RD)	fused feed
3	570 (BK/WH)	Ground
4	968 (TN/LB)	Sensor signal return (reference/ground)
5	967 (LB/RD)	monitor
6	743 (GY)	Intake air temperature sensor, signal

C2007

14401

A271
Passive anti-theft transceiver



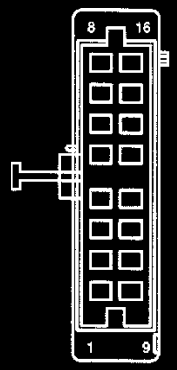
F04257

Pin	Circuit	Circuit function
1	165 (TN/WH)	TX –
2	1266 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	1216 (GY/OG)	RX, signal
4	1215 (WH/LG)	TX, signal

C252

14401

A102
Passive anti-theft transceiver module
(15607)



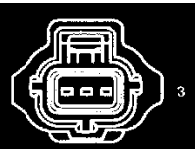
F16017

Pin	Circuit	Circuit function
1	1215 (WH/LG)	TX signal
2	1269 (OG/RD)	Anti–Theft indicator
3	–	not used
4	915 (PK/LB)	Standard Corporate Protocol (SCP) data –
5	914 (TN/OG)	Standard Corporate Protocol (SCP) data +
6	165 (TN/WH)	TX –
7	–	not used
8	22 (LB/BK)	Voltage supplied at all times (overload protected)
9	1216 (GY/OG)	RX signal
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	676 (PK/OG)	Ground
15	1266 (RD/YE)	Voltage, ignition switch in Start or Run (overload protected electronic module)
16	–	not used

C102a (GY)

14305
9D930

O5
Generator



F03247

Pin	Circuit	Circuit function
1	904 (LG/RD)	Charge (including: ammeter/voltmeter), indicator
2	–	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C102c

14305

9D930

05
Generator

F01057

Pin	Circuit	Circuit function
1	36 (YE/WH)	Voltage supplied at all times (overload protected)

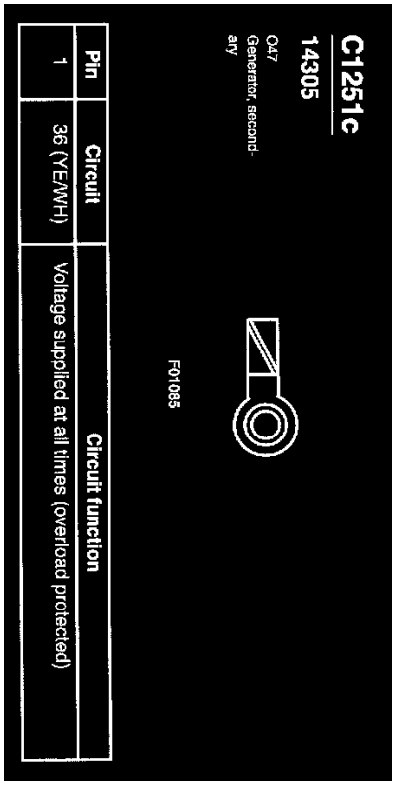
C1251a

14305

047
Generator, secondary

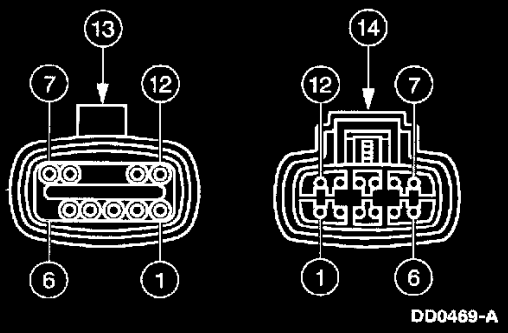
F03093

Pin	Circuit	Circuit function
1	1185 (YE)	Charge (including: ammeter/voltmeter) indicator
2	–	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)



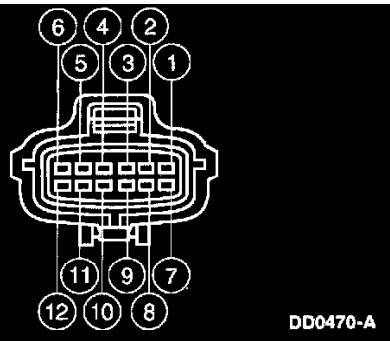
System Diagram

Transmission Connector Layouts



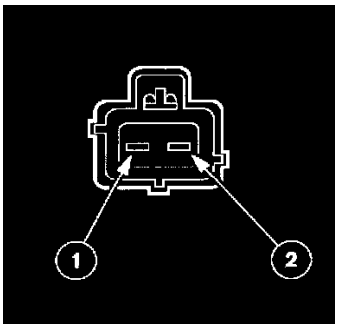
12-Pin Connector	Description	PCM Connector
1	Vehicle Power (VPWR)	71, 97
2	Shift Solenoid B (2)	11
3	Shift Solenoid A (1)	6
4	Torque Converter Clutch	54
5	Coast Clutch Solenoid	20
6	—	—
7	Transmission Fluid Temperature Sensor	37
8	Signal Return (SIG RTN)	91
9	—	—
10	—	—
11	Electronic Pressure Control	81
12	Electronic Pressure Control Power	71, 97
13	Solenoid Body Connector	—
14	Harness Connector	—

Transmission Vehicle Harness Connector



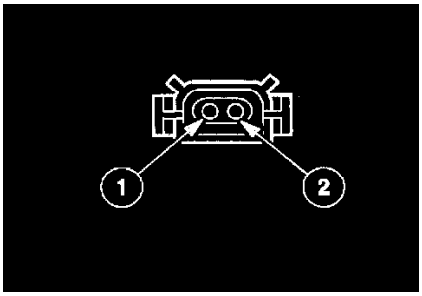
Pin Number	Circuit Function	PCM Pin
1	Not Used	—
2	SIG RTN	91
3	TR3A	64
4	TR1	17
5	TR2	49
6	TR4	50
7	Not Used	—
8	Not Used	—
9	FSD PWR FD	—
10	STR Control	—
11	Back Up	—
12	STR to INT	—

Digital Transmission Range (TR) Sensor Connector



Pin Number	Circuit	Circuit Function
1	59	Output Shaft Speed Sensor (OSS)
2	91	Signal Return

Output Shaft Speed (OSS) Sensor Harness Connector



Pin Number	Circuit	Circuit Function
1	84	Turbine Shaft Speed (TSS) Sensor
2	91	Signal Return

Turbine Shaft Speed Sensor (TSS) Harness Connector

Selector Position	PID: TR	PID: TR_D				PID: TR_V (volts)
		TR4	TR3A	TR2	TR1	TR3A (PCM Pin 64 to SIGRTN)
PARK	P/N	0	0	0	0	0.0 Volts
In Between	REV	0	1	0	0	1.3 - 1.8 Volts
REVERSE	REV	1	1	0	0	1.3 - 1.8 Volts
In Between	REV	0	1	0	0	1.3 - 1.8 Volts
NEUTRAL	NTRL	0	1	1	0	1.3 - 1.8 Volts
In Between	O/D	1	1	1	0	1.3 - 1.8 Volts
OVERDRIVE	O/D	1	1	1	1	1.3 - 1.8 Volts
In Between	MAN 2	1	0	1	1	0.0 Volts
MANUAL 2	MAN 2	1	0	0	1	0.0 Volts
In Between	MAN 2	1	0	1	1	0.0 Volts
MANUAL 1	MAN 1	0	0	1	1	0.0 Volts

Digital Transmission Range (TR) Sensor Diagnosis Chart

A. TR_V is the voltage at the PCM pin 64 (TR3A Circuit) to signal return.
B. "In Between" reading could be caused by a shift cable or digital TR sensor misaligned or a digital TR sensor circuit failure of TR1, TR2, TR3A, or TR4.
C. TR_D: 1= Open Digital TR switch, 0= Closed Digital TR switch.
D. Breakout Box Readings: Taken from PCM signal pins for TR1, TR2, TR3A, TR4 to signal return.

- Voltages for TR1, TR2, TR4:
- 0 = 0.0 volts.
- 1 = 9.0 - 14.0 volts.
- Voltage for TR3A:
- o = 0.0 volts.
- 1 = 1.3 - 1.S volts.
- 1.8 - 5.0 volts = Invalid reading (open in wires or bad resistor in digital TR sensor).

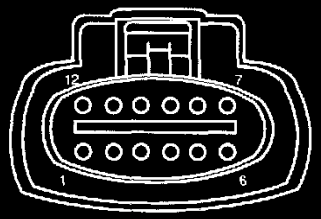
Wiggle Test Information For Open/Shorts

- TR4, TR3A, TR2, and TR1 are all closed in PARK. PARK is a good position to check for intermittent open circuits (with scan tool monitoring TRD).
- TR4, TR3A, TR2, and TR1 are all open in OVERDRIVE, so OVERDRIVE is a good position to check for shorts to ground. To determine the shorted components while observing TR_D, unplug the TR and see if the short goes away. If the short is still present, unplug the transmission harness and see if the short goes away. If the short is still present, then the short is in the PCM or vehicle harness. Remove the suspect circuit(s) wire from the PCM vehicle harness. If the short is still present, then the PCM has an internal failure. Otherwise the failure is in the vehicle harness.

C168

15525

A120
Automatic transmission module (7G422)



F12133

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	315 (VT/OG)	Shift solenoid B
3	237 (OG/YE)	Shift solenoid A
4	480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
5	924 (BN/OG)	Powertrain Control Module (PCM) (12A650), to transmission coast clutch solenoid
6	–	not used
7	923 (OG/BK)	Transmission Fluid Temperature (TFT) sensor, input
8	359 (GY/RD)	Voltage supplied in Start and Run (overload protected)
9	–	not used
10	–	not used
11	925 (WH/YE)	Injector pressure sensor, input
12	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)

C2135

14401

N250
Overdrive cancel switch (7G550)

F03245

Pin	Circuit	Circuit function
1	911 (WH/LG)	Transmission Control Indicator Lamp (TCIL)
2	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmission overdrive cancel switch

C2008

14401

Y215
Brake shift interlock

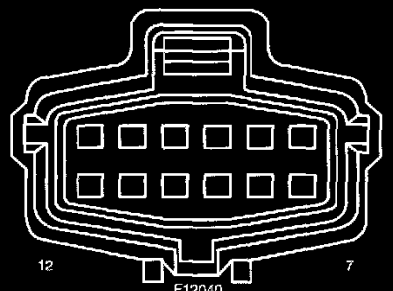
F03271

Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage in Run (overload protected)
2	57 (BK)	Ground
3	810 (RD/LG)	Brake pedal position switch (13480), input

C167

15525

B234
Digital Transmission Range (DTR) sensor (7F293)



F12040

Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	signal, return
3	199 (LB/YE)	Digital Transmission Range (DTR) sensor to Powertrain Control Module (PCM) (12A650)
4	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
5	1145 (LB/BK)	Digital Transmission Range (DTR) sensor, TR2
6	1143 (WH/BK)	Digital Transmission Range (DTR) sensor, TR4
7	870 (VT/YE)	encoder, Ground, return
8	463 (RD/WH)	Neutral, switch sense, input
9	295 (LB/PK)	electronic cluster, Accessory, feed
10	33 (WH/PK)	switched power, to starter solenoid
11	140 (BK/PK)	Voltage supplied in reverse
12	1093 (TN/RD)	Power, Hot in Start with Park or Neutral

C143

15525

B44
Turbine shaft speed sensor (7M101)

F02031

Pin	Circuit	Circuit function
1	970 (DG/WH)	Turbine shaft speed sensor (7M101)
2	359 (GY/RD)	Signal return

C193

15525

B110
Output Shaft Speed (OSS) sensor (7M101)

F02031

Pin	Circuit	Circuit function
1	359 (GY/RD)	signal, return
2	136 (DB/YE)	Powertrain Control Module (PCM) (12A650) – Output Shaft Speed (OSS) sensor (7M101)

C451 (GY)

13A409

E105
Reversing lamp, left
(13411)

F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	140 (BK/PK)	Voltage supplied in reverse

C461 (GY)

13A409

E109
Reversing lamp,
right (13411)

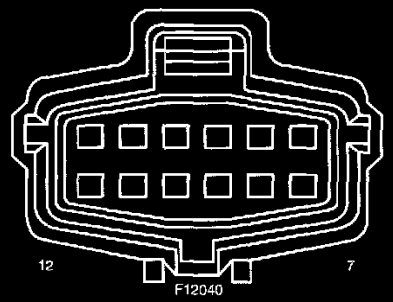
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	140 (BK/PK)	Voltage supplied in reverse

C167

15525

B234
Digital Transmission Range (DTR) sensor (7F293)

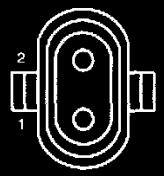


Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	signal, return
3	199 (LB/YE)	Digital Transmission Range (DTR) sensor to Powertrain Control Module (PCM) (12A650)
4	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
5	1145 (LB/BK)	Digital Transmission Range (DTR) sensor, TR2
6	1143 (WH/BK)	Digital Transmission Range (DTR) sensor, TR4
7	870 (VT/YE)	encoder, Ground, return
8	463 (RD/WH)	Neutral, switch sense, input
9	295 (LB/PK)	electronic cluster, Accessory, feed
10	33 (WH/PK)	switched power, to starter solenoid
11	140 (BK/PK)	Voltage supplied in reverse
12	1093 (TN/RD)	Power, Hot in Start with Park or Neutral

C169

15525

N19
Reversing lamps switch



Pin	Circuit	Circuit function
1	140 (BK/PK)	Voltage supplied in reverse
2	295 (LB/PK)	electronic cluster, Accessory, feed

C1100a

14300

O1
Battery (10655)

Pin	Circuit	Circuit function
1	2037 (RD)	Battery Power

C1100b

7.3L Diesel

14301

O1
Battery (10655)

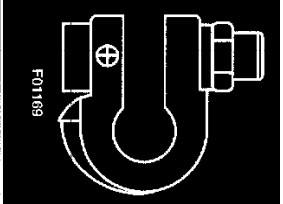
gasoline engines

Pin	Circuit	Circuit function
1	2057 (BK)	Ground

C1249a

14B060
14305

C3
Battery II

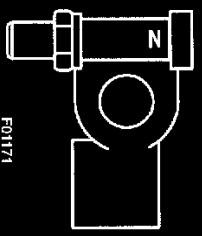


Pin	Circuit	Circuit function
1	2037 (RD)	Battery Power

C1249b

14301

C3
Battery II



Pin	Circuit	Circuit function
1	2057 (BK)	Ground

C124
12A581

N1
Brake fluid level switch (2L414)

F032447

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	512 (TN/LG)	Brake indicator, control
3	531 (DG/YE)	Brake fluid level switch (2L414), signal

C4032
13A409

E243
Park/stop/turn lamp, right rear

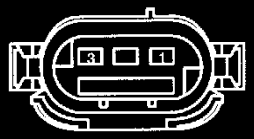
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OG/LB)	Turn lamps, feed, right rear

C4035

13A409

E242
Park/stop/turn lamp, left rear



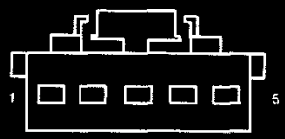
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C278

14401

N82
Brake pedal position switch (13480)



F05145

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	511 (LG)	Brake pedal position switch (13480), to stoplamps
5	10 (LG/RD)	Voltage supplied at all times (overload protected)

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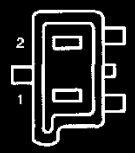
C2003

without memory

14401

M236
Adjustable pedal motor (2C429)



F02201

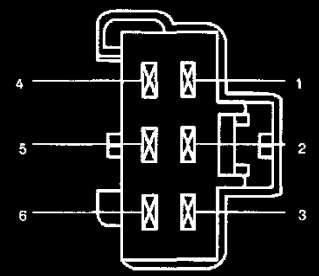
Pin	Circuit	Circuit function
1	1490 (LB/OG)	Adjustable pedal switch
2	1489 (LB/BK)	Adjustable pedal switch

C2159

with memory

14401

M236
Adjustable pedal motor (2C429)



F06112

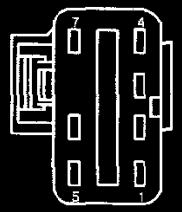
Pin	Circuit	Circuit function
1	446 (OG/WH)	Sensor signal return (reference/ground)
2	1491 (LB/YE)	position sense
3	447 (OG/RD)	Reference voltage
4	–	not used
5	1490 (LB/OG)	Fwd/Rwd motor
6	1489 (LB/BK)	Fwd/Rwd motor

C2089

14401

N449
Adjustable pedal switch

* = without memory
** = with memory



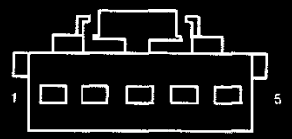
F07103

Pin	Circuit	Circuit function
1	*1489 (LB/BK)	Adjustable pedal motor (2C429)
	**1493 (PK/BK)	Motor position, Forward
2	*1567 (RD/LB)	Voltage supplied at all times (overload protected)
	**676 (PK/OG)	Ground
3	*57 (BK)	Ground
4	57 (BK)	Ground, Illumination
5	19 (LB/RD)	Illumination +
6	57 (BK)	Ground
7	*1490 (LB/OG)	Adjustable pedal motor (2C429)
	**1492 (LB/RD)	Motor position, Rearward

C278

14401

N82
Brake pedal position switch (13480)



F05145

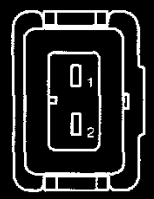
Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	511 (LG)	Brake pedal position switch (13480), to stoplamps
5	10 (LG/RD)	Voltage supplied at all times (overload protected)

C1025

12A581

N249
Brake pressure switch (2B264)

* Diesel



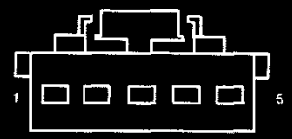
F02089

Pin	Circuit	Circuit function
1	22 (LB/BK)	Brake feed
	*361 (RD)	Brake feed
2	307 (BK/YE)	Brake pressure switch (2B264), input

C278

14401

N82
Brake pedal position switch (13480)



F05145

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	511 (LG)	Brake pedal position switch (13480), to stoplamps
5	10 (LG/RD)	Voltage supplied at all times (overload protected)

C180
12B637

B41
Camshaft position sensor (6B288)

F02331

Pin	Circuit	Circuit function
1	796 (LB)	Camshaft position sensor (6B288), signal, return
2	795 (DG)	Camshaft position sensor (6B288), to, Powertrain Control Module (PCM) (12A650)

C1180 (GY)
9D930

B41
Camshaft position sensor (6B288)

F03231

Pin	Circuit	Circuit function
A	796 (LB)	Signal return
B	351 (BN/WH)	Reference voltage
C	795 (DG)	signal

C1195
12A581
P133
Vapor management valve

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	191 (LG/BK)	Powertrain Control Module (PCM) (12A650). EVAP canister purge valve

C926
14086
E51
Cargo lamp

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched power, output
2	57 (BK)	Ground
3	53 (BK/LB)	Interior lamp relay, switched power, output

Center Mounted Brake Lamp

C475a

13A625

E174
High mounted stop-lamp (13A613)

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C475b

13A625

E174
High mounted stop-lamp (13A613)

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C475c
13A625

E174
High mounted stop-lamp (13A613)

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

Pickup

C904
14A005

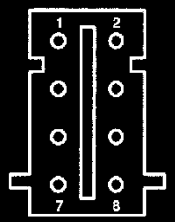
E174
High mounted stop-lamp (13A613)

Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamp relay, switched power, output
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	57 (BK)	Ground

C218a

14401

P140
Air bag sliding contact (14A664)



F08245

Pin	Circuit	Circuit function
1	1070 (BN/LB)	Audio/climate control switch, Climate Control System, signal
2	595 (LB/RD)	Auxiliary audio controls, steering wheel
3	151 (LB/BK)	Speed control switch, input
4	1 (DB)	Horn relay, control
5	19 (LB/RD)	Illumination +
6	848 (DG/OG)	Signal return – gasoline engines
	359 (GY/RD)	Signal return – Diesel
7	57 (BK)	Ground
8	158 (BK/PK)	Key warning switch (11A127), input

C218b (BN)

14401

P140
Air bag sliding contact (14A664)

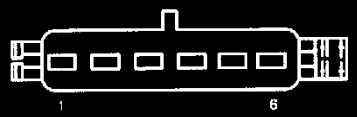
F03145

Pin	Circuit	Circuit function
1	615 (GY/WH)	Driver air bag, return
2	–	not used
3	614 (GY/OG)	Driver air bag, feed, monitor

C257

14A005

N81
Clutch Pedal
Position Switch



F06084

Pin	Circuit	Circuit function
1	92 (LB/YE)	Voltage supplied in Start (overload protected)
2	1093 (TN/RD)	switched power, to starter motor relay
3	306 (TN/LB)	speed control, Deactivator switch
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
	810 (RD/LG)	Voltage supplied in Start and Run (overload protected) – Diesel
5	33 (WH/PK)	Voltage supplied in Start (overload protected)
6	199 (LB/YE)	Clutch pedal position switch, to, Powertrain Control Module (PCM) (12A650)

C2103

14A005

P5
Clutch triple function
switch jumper

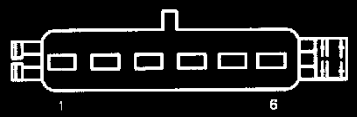
F06084

Pin	Circuit	Circuit function
1	92 (LB/YE)	Voltage in Run (overload protected)
2	1093 (TN/RD)	not used
3	306 (TN/LB)	not used
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
5	33 (WH/PK)	Voltage in Run (overload protected) – gasoline engines
6	199 (LB/YE)	not used

C257

14A005

N81
Clutch Pedal
Position Switch



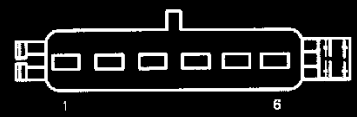
F06084

Pin	Circuit	Circuit function
1	92 (LB/YE)	Voltage supplied in Start (overload protected)
2	1093 (TN/RD)	switched power, to starter motor relay
3	306 (TN/LB)	speed control, Deactivator switch
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
	810 (RD/LG)	Voltage supplied in Start and Run (overload protected) – Diesel
5	33 (WH/PK)	Voltage supplied in Start (overload protected)
6	199 (LB/YE)	Clutch pedal position switch, to, Powertrain Control Module (PCM) (12A650)

C257

14A005

N81
Clutch Pedal
Position Switch



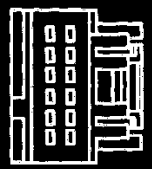
F06084

Pin	Circuit	Circuit function
1	92 (LB/YE)	Voltage supplied in Start (overload protected)
2	1093 (TN/RD)	switched power, to starter motor relay
3	306 (TN/LB)	speed control, Deactivator switch
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
	810 (RD/LG)	Voltage supplied in Start and Run (overload protected) – Diesel
5	33 (WH/PK)	Voltage supplied in Start (overload protected)
6	199 (LB/YE)	Clutch pedal position switch, to, Powertrain Control Module (PCM) (12A650)

C949

14335

A433
DVD player



F12139

Pin	Circuit	Circuit Function
1	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
2	1068 (LG/BK)	Audio System ON (ASYSON)
3	19 (LB/RD)	Voltage supplied at all times (overload protected)
4	–	not used
5	856 (VT)	Radio (18806), to CD changer, Left +
6	690 (GY)	Radio (18806), to CD changer, Right +
7	832 (LB/PK)	Audio corporate protocol A
8	833 (TN)	Audio corporate protocol B
9	–	not used
10	694 (BK/LG)	Ground
11	798 (LG/RD)	Radio (18806), to CD changer, Left –
12	799 (OG/BK)	Radio (18806), to CD changer, Right –

C1300a

12A581

K247
Air suspension compressor relay

F01133

Pin	Circuit	Circuit Function
1	416 (LB/BK)	Shock absorber solenoid valve, right rear (5A891)

C1300b

12A581

K247
Air suspension compressor relay

F02459

Pin	Circuit	Circuit Function
1	381 (TN/WH)	Fused battery feed
2	420 (DB/YE)	Air suspension module (3C142), to, Air suspension compressor relay, signal

C1324

9D930

B214
Coolant temperature sensor 2

F02027

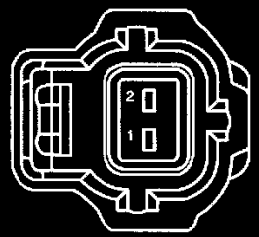
Pin	Circuit	Circuit function
1	197 (TN/OG)	Coolant temperature sensor, return
2	39 (RD/WH)	Coolant temperature sensor

C1064

9D930

B10
Engine Coolant
Temperature (ECT)
sensor (12A648)

7.3L Diesel



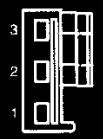
F02475

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground)
2	45 (YE/RD)	signal +

C941

14335

E246
Rail lamp, LH side
(13776)



F03303

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched power, output
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	57 (BK)	Ground

C942

14335

E245
Rail lamp, RH side
(13776)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	54 (LG/YE)	Battery saver relay, switched power, output

C3084

19F504

E260
Running board
lamp, left front

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3085
19F504

E261
Running board lamp, left rear

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3086
19F504

E262
Running board lamp, right front

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3087
19F504

E263
Running board lamp, right rear

F02108

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C506
14A005

E177
Door entry lamp, left front (13776)

F02086

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C606
14A005

E178
Door entry lamp, right front (13776)

F020863

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C254
14401

E28
Glove box lamp (14413)

F-02431

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	54 (LG/YE)	Battery saver relay, switched power, output

C101

12B637

B43
Crankshaft position sensor (6C315)

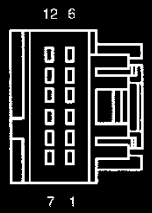
F02371

Pin	Circuit	Circuit function
1	350 (GY)	Crankshaft position sensor (6C315) –
2	349 (DB)	Crankshaft position sensor (6C315) +

C949

14335

A433
DVD player



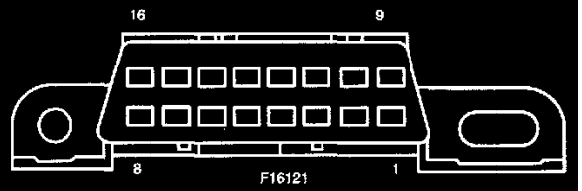
F12139

Pin	Circuit	Circuit function
1	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
2	1068 (LG/BK)	Audio System ON (ASYSON)
3	19 (LB/RD)	Illumination +
4	–	not used
5	856 (VT)	Radio (18806), to CD changer, Left +
6	690 (GY)	Radio (18806), to CD changer, Right +
7	832 (LB/PK)	Audio corporate protocol A
8	833 (TN)	Audio corporate protocol B
9	–	not used
10	694 (BK/LG)	Ground
11	798 (LG/RD)	Radio (18806), to CD changer, Left –
12	799 (OG/BK)	Radio (18806), to CD changer, Right –

C251

14401

D20
Data Link Connector
(DLC) (14489)

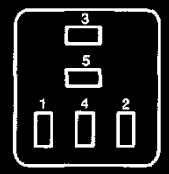


Pin	Circuit	Circuit function
1	–	not used
2	914 (TN/OG)	SCP Bus +
3	693 (OG)	UBP Diagnostics
4	57 (BK)	Ground
5	570 (BK/WH)	Ground
6	–	not used
7	70 (LB/WH)	ISO Bus
8	–	not used
9	–	not used
10	915 (PK/LB)	SCP Bus –
11	–	not used
12	–	not used
13	107 (VT)	Module programming signal
14	–	not used
15	–	not used
16	40 (LB/WH)	Voltage supplied at all times (overload protected)

C1171

13K027
12A581

K370
Daytime Running
Lamps (DRL) relay
1



Pin	Circuit	Circuit function
1	15 (RD/YE)	Power, Hot with Headlamps on
2	57 (BK)	Ground
3	175 (BK/YE)	Voltage supplied at all times (overload protected)
4	1032 (WH/BK)	Trailer tow relay, feed
5	–	not used

C1172
12A581
13K027

K371
Daytime Running Lamps (DRL) relay 2

F05129

Pin	Circuit	Circuit function
30	13 (RD/BK)	fused feed
85	1032 (WH/BK)	Coil, feed
86	57 (BK)	Ground
87	471 (OG/LG)	Dropping resistor
87A	1033 (RD/YE)	Headlamp circuit (DRL)

C196
12A581

R5
Daytime running lamps resistor

F02101

Pin	Circuit	Circuit function
1	471 (OG/LG)	Daytime running lamps resistor, to, Headlamp relay
2	554 (YE/BK)	Voltage supplied at all times (overload protected)

C455

14405

B25
Rear axle speed sensor (4B459)

F02031

Pin	Circuit	Circuit function
1	523 (RD/PK)	Wheel speed sensor, right rear +
2	519 (LG/BK)	Wheel speed sensor, left rear –

C179

12B637

Y33
Electr. Vacuum Regulator (EVR) solenoid valve

F02101

California

Pin	Circuit	Circuit function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	360 (BN/PK)	EGR Vacuum Regulator (EVR), control

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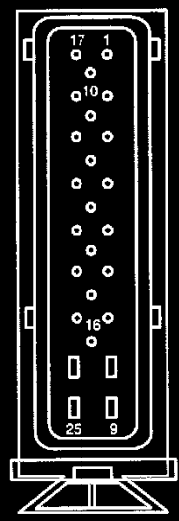
C135

12A581

A7
ABS control module
(2C219)



F25010

Pin	Circuit	Circuit function
1	70 (LB/WH)	Data bus ISO 9141 (K–line)
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	–	not used
4	522 (TN/BK)	Wheel speed sensor, left front (2C205) –
5	516 (YE/BK)	Wheel speed sensor, right front (2C204) –
6	519 (LG/BK)	Rear axle speed sensor (4B409) –
7	210 (LB)	Four–wheel drive, high/low
8	530 (LG/YE)	Chassis Ground
9	532 (OG/YE)	Voltage supplied at all times (overload protected)
10	512 (TN/LG)	Brake fluid level switch (2L414), input
11	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
12	521 (TN/OG)	Wheel speed sensor, left front (2C205) +

Pin	Circuit	Circuit function
13	514 (YE/RD)	Wheel speed sensor, right front (2C204) +
14	523 (RD/PK)	Wheel speed sensor, right rear +
15	603 (DG)	Anti–lock brake indicator, control
16	533 (TN/RD)	Voltage in Run (overload protected)
17	–	not used
18	–	not used
19	–	not used
20	–	not used
21	–	not used
22	–	not used
23	–	not used
24	530 (LG/YE)	Chassis Ground
25	532 (OG/YE)	Voltage supplied at all times (overload protected)

C175 Diesel engines

12A581

A147 Powertrain Control Module (PCM) (12A650)

F1040001

* with automatic transmission

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	3996 (RD/YE)	Manifold intake air heater relay, monitor
4	–	not used
5	162 (LG/RD)	Parking brake switch (15A851)
6	237 (OG/YE)*	Shift solenoid A
7	–	not used
8	1277 (WH/LG)	Glow plug relay, monitor
9	–	not used
10	1285 (RD/LG)	Idle validation switch
11	315 (VT/OG)*	Shift solenoid B
12	911 (WH/LG)*	Transmission Control Indicator Lamp (TCIL)
13	107 (VT)	Module programming signal
14	–	not used
15	915 (PK/LB)	SCP Bus –
16	914 (TN/OG)	SCP Bus +
17	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
18	331 (PK/YE)	A/C clutch relay, control
19	76 (LG/WH)	Tachometer output
20	924 (BN/OG)*	Powertrain Control Module (PCM) (12A650), to transmission coast clutch solenoid
21	795 (DG)	Camshaft position sensor (6B288)
22	–	not used
23	–	not used
24	357 (YE/WH)	Accelerator pedal position sensor, Ground
25	567 (LB/YE)	Ground
26	–	not used
27	–	not used
28	–	not used
29	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmission overdrive cancel switch – Automatic
	306 (TN/LB)	Clutch switch – Manual
30	553 (VT/LB)	Exhaust Back Pressure (EBP) sensor, monitor
31	307 (BK/YE)	Brake pressure switch (2B264), input
32	–	not used
33	–	not used
34	–	not used
35	1183 (WH/YE)	Generator
36	1280 (GY/RD)	Water–in–fuel sensor
37	923 (OG/BK)	Transmission Fluid Temperature (TFT) sensor, input – Automatic
	923 (OG/BK)	Engine Oil Temperature (EOT) sensor, signal – Manual
38	354 (LG/RD)	Engine Oil Temperature (EOT) sensor, signal
39	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), input
40	787 (PK/BK)	Fuel pump, monitor
41	439 (TN/LG)	A/C high pressure switch (19D594)
42	318 (GY/RD)	Exhaust Pressure Regulator (EPR), control

Part 1

Pin	Circuit	Circuit function
43	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
44	–	not used
45	203 (OG/LB)	Cruise set, indicator, control
46	–	not used
47	1275 (WH/RD)	Waste gate solenoid, control
48	818 (GY/WH)	Injector Driver Module (IDM)
49	1145 (LB/BK)	Digital Transmission Range (DTR) sensor TR2
50	*1143 (WH/BK)	Digital Transmission Range (DTR) sensor TR4
51	570 (BK/WH)	Ground
52	–	not used
53	–	not used
54	*480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
55	729 (RD/WH)	Voltage supplied at all times (overload protected), keep alive memory
56	–	not used
57	–	not used
58	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
59	136 (DB/YE)*	Powertrain Control Module (PCM) (12A650), – Output Shaft Speed (OSS) sensor (7M101)
60	1185 (YE)	Generator and Regulator
61	151 (LB/BK)	Speed control switch, input
62	1291 (RD/YE)	Air Charge Temperature (ACT) sensor
63	–	not used
64	199 (LB/YE)	TR3A – Automatic Clutch pedal position switch – Manual
65	796 (LB)	Camshaft position sensor (6B288), Signal return
66	322 (LB/YE)	PTO control
67	904 (LG/RD)	Generator/Battery indicator, control
68	–	not used
69	–	not used
70	–	not used
71	361 (RD)	Voltage supplied in Start and Run (overload protected)

Pin	Circuit	Circuit function
72–76	–	not used
77	570 (BK/WH)	Ground
78	–	not used
79	358 (LG/BK)	Manifold Absolute Pressure (MAP) sensor, to, Powertrain Control Module (PCM) (12A650)
80	814 (WH/BK)	Injector Driver Module (IDM) power relay, control
81	*925 (WH/YE)	Electronic Pressure Control (EPC) solenoid
82	–	not used
83	552 (YE/RD)	Injection Pressure Regulator (IPR), control
84	970 (DG/WH)	Turbine shaft speed sensor (7M101)
85	–	not used
86	–	not used
87	812 (DB/LG)	Injection pressure sensor, monitor
88	–	not used
89	355 (GY/WH)	Accelerator pedal position sensor, input
90	351 (BN/WH)	Reference voltage
91	359 (GY/RD)	Signal return
92	810 (RD/LG)	Brake pedal position switch (13480), input
93	–	not used
94	926 (LB/OG)	Fuel pump relay, control
95	821 (BN/OG)	fuel delivery command signal output
96	817 (YE/LB)	Injector Driver Module (IDM), cylinder identification
97	361 (RD)	Voltage supplied in Start and Run (overload protected)
98	462 (VT)	Manifold intake air heater relay, control
99	–	not used
100	–	not used
101	1086 (VT/OG)	Glow plugs, control
102	–	not used
103	570 (BK/WH)	Ground
104	–	not used

Part 2

C2176

14401

A416
Auxiliary Powertrain Control Module (APCM)

F0A251

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	914 (TN/OG)	Standard Corporate Protocol (SCP) data +
3	640 (RD/YE)	Voltage, ignition switch in Start or Run (overload protected electronic module)
4	915 (PK/LG)	Standard Corporate Protocol (SCP) data –

C107

14B102

B135
Cylinder-head temperature sensor (6G004)

F0211

Pin	Circuit	Circuit function
1	1102 (YE/LG)	Cylinder–head temperature sensor (6G004), to, Powertrain Control Module (PCM) (12A650)
2	359 (GY/RD)	signal, return

C1272

90930

Y265
Exhaust Pressure
Regulator (EPR)

Pin	Circuit	Circuit Function
1	318 (GY/RD)	Switched power from Powertrain Control Module (PCM) (12A650)
2	570 (BK/WH)	Ground

C1272 (BK)

9D930

Y265
Exhaust Pressure
Regulator (EPR)

Pin	Circuit	Circuit function
1	570 (BK/WH)	Ground
2	318 (GY/RD)	switched power from Powertrain Control Module (PCM) (12A650)

C1271

90930

B279
Exhaust Back Pressure (EBP) sensor

F03120

Pin	Circuit	Circuit Function
1	351 (BN/WH)	Reference voltage
2	553 (VT/LB)	position sense
3	359 (GY/RD)	Sensor signal return (reference/ground)

C152

15A211

E43
Fog lamp, left front (15200)

F02245

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp switch, to front fog lamp

C162
15A211

E42
Fog lamp, right front (15200)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp switch, to front fog lamp

C524
14A005

M80
Power window motor, driver side front (23395)

Pin	Circuit	Circuit function
1	992 (WH/BK)	Master window adjust switch (14529), feed, Up
2	991 (TN/LB)	Master window adjust switch (14529), feed, Down

C608

14A005

M79
Power window motor, passenger side front (23394)

Pin	Circuit	Circuit function
1	333 (YE/RD)	Window motor, feed, Headlamp jumper
2	334 (RD/YE)	Window motor, feed, Down

C181

12B637

Y108
Fuel injector 1 (9F593)

6.8L

5.4L

Pin	Circuit	Circuit function
1	555 (TN)	Fuel injector 1, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C182

12B637

Y109
Fuel injector 2
(9F593)

6.8L

F02069

5.4L

F02089

Pin	Circuit	Circuit function
1	556 (WH)	Fuel injector 2, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C183

12B637

Y110
Fuel injector 3
(9F593)

6.8L

F02069

5.4L

F02089

Pin	Circuit	Circuit function
1	557 (BN/YE)	Fuel injector 3, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C184
12B637
Y111
Fuel injector 4
(9F593)

6.8L

F02069

5.4L

F02089

Pin	Circuit	Circuit function
1	558 (BN/LB)	Fuel injector 4, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C185
12B637
Y112
Fuel injector 5
(9F593)

6.8L

F02069

5.4L

F02089

Pin	Circuit	Circuit function
1	559 (TN/BK)	Fuel injector 5, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C186
12B637

Y113
Fuel injector 6
(9F593)

6.8L

F02069

5.4L

F02089

Pin	Circuit	Circuit function
1	560 (LG/OG)	Fuel injector 6, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C187
12B637

Y207
Fuel injector 7
(9F593)

6.8L

F02068

5.4L

F02089

Pin	Circuit	Circuit function
1	561 (TN/RD)	Fuel injector 7, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C188
12B637
Y209
Fuel injector 8
(9F593)

6.8L

5.4L

Pin	Circuit	Circuit function
1	562 (LB)	Fuel injector 8, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C1360 (BK)
9D930
Y249
Injection Pressure
Regulator (IPR)

Pin	Circuit	Circuit function
1	361 (RD)	PCM power relay, fused feed
2	552 (YE/RD)	Switched ground

C1303 (BK)

9D930

B285
Injection pressure sensor

Pin	Circuit	Circuit function
A	359 (GY/RD)	Sensor signal return (reference/ground)
B	351 (BN/WH)	Reference voltage
C	812 (DB/LG)	Pressure, monitor

C1253 (BK)

15525

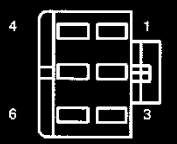
M12
Fuel pump

Pin	Circuit	Circuit function
1	–	not used
2	787 (PK/BK)	Fuel pump, Power
3	57 (BK)	Ground
4	–	not used

C2194

14401

N629
Fuel tank selector switch



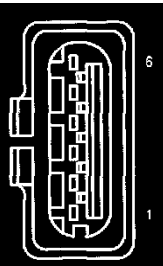
F06273

Pin	Circuit	Circuit function
1	786 (RD)	Fuel tank selector valve
2	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
3	789 (BN/WH)	Fuel tank selector valve
4	789 (BN/WH)	Fuel tank selector valve
5	57 (BK)	Ground
6	786 (RD)	Fuel tank selector valve

C4132

14405

M286
Fuel tank selector valve



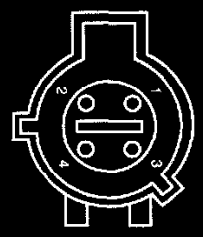
F06117

Pin	Circuit	Circuit function
1	–	not used
2	786 (RD)	Fuel tank selector switch
3	789 (BN/WH)	Fuel tank selector switch
4	673 (DB/YE)	Fuel sender, secondary
5	29 (YE/WH)	Reference voltage, from, Instrument cluster
6	675 (YE/LB)	Fuel sender, primary

C433 Federal

14405

A31
Fuel tank unit
(9H307)

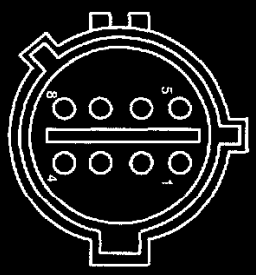


Pin	Circuit	Circuit function
1	29 (YE/WH)	Fuel sender +
2	787 (PK/BK)	Fuel pump, Power
3	396 (BK/OG)	Fuel sender –
4	57 (BK)	Fuel pump, Ground

C4033 (BK)

14405

A31
Fuel tank unit
(9H307)



Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	signal, return
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C968)
4	351 (BN/WH)	Reference, voltage
5	29 (YE/WH)	Fuel pump/fuel gauge sender
6	57 (BK)	Ground
7	787 (PK/BK)	Fuel pump, Power
8	396 (BK/OG)	Fuel sender, logic ground

General Module

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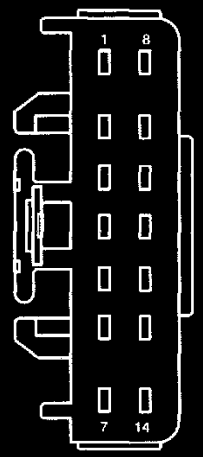
C2113a

14A005

A427
Vehicle Security
Module (VSM)



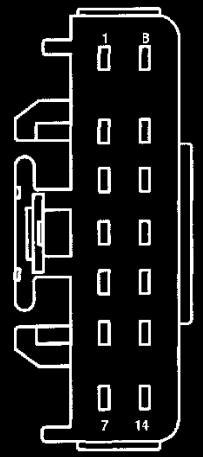
F14049

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	1210 (BK/WH)	Door unlock, logic ground
3	1211 (WH/RD)	Door lock, logic ground
4	765 (YE/BK)	Door ajar switch, driver side front (14018)
5	761 (GY/RD)	Door ajar switch, passenger side front (14018)
6	760 (PK/LB)	Door ajar switch, right rear
7	163 (RD/OG)	Driver door unlock relay, switched power
8	118 (PK/OG)	Door unlock, output
9	–	not used
10	–	not used
11	759 (LG/YE)	Door ajar switch, left rear
12	23 (TN/LG)	Liftgate ajar switch, input
13	–	not used
14	57 (BK)	Ground

C2113b

14A005

A427
Vehicle Security
Module (VSM)



F14053

Pin	Circuit	Circuit function
1	116 (RD/BK)	Voltage supplied at all times (overload protected)
2	14 (BN)	Power, Exterior lamps
3	1306 (PK/WH)	Voltage supplied at all times (overload protected)
4	1104 (LB)	Sunload sensor (19E663), signal
5	1399 (DB/WH)	Autolamps, On, signal
6	1 (DB)	Horn relay, control
7	15 (RD/YE)	switched power, autolamps
8	195 (TN/WH)	Park lamp relay – fused feed
9	–	not used
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	196 (DB/OG)	Voltage supplied at all times (overload protected)

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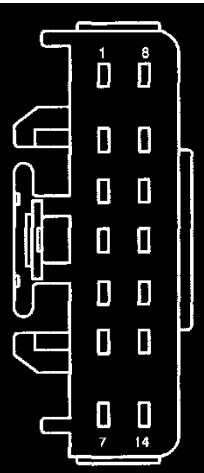
C2113c

14A005

A427
Vehicle Security
Module (VSM)



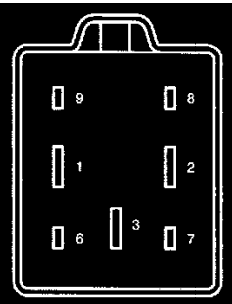
F14049

Pin	Circuit	Circuit function
1	–	not used
2	121 (YE/BK)	Key pad, Circuit A
3	123 (RD)	Key pad, Circuit C
4	124 (BN)	Key pad common
5	693 (OG)	UBP Diagnostics
6	66 (LB)	Key pad illumination
7	–	not used
8	–	not used
9	122 (YE)	Key pad, Circuit B
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	–	not used

C1273a (GN)

9D930

A407
Glow plug control
module (GPCM)



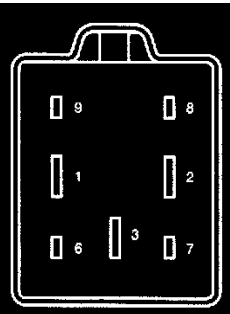
F07101

Pin	Circuit	Circuit function
1	110 (BN/WH)	Glow plug 5, control
2	110 (BN/RD)	Glow plug 7, control
3	380 (BK/OG)	Battery Power
4	–	not used
5	–	not used
6	110 (BN/BU)	Glow plug 1, control
7	110 (BN/GN)	Glow plug 3, control
8	1086 (VT/OG)	Powertrain Control Module (PCM) (12A650)
9	1277 (WH/LG)	Powertrain Control Module (PCM) (12A650)

C1273b (BK)

9D930

A407
Glow plug control module (GPCM)



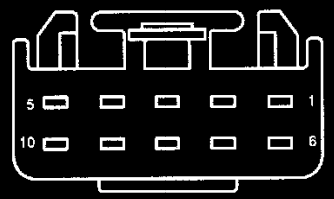
F07101

Pin	Circuit	Circuit function
1	110 (YE/WH)	Glow plug 6, control
2	110 (YE/RD)	Glow plug 8, control
3	380 (BK/OG)	Battery Power
4	–	not used
5	–	not used
6	110 (YE/BU)	Glow plug 2, control
7	110 (YE/GN)	Glow plug 4, control
8	–	not used
9	361 (RD)	PCM power relay, fused feed

C202a

14401

N442
Multifunction switch



F10042

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Turn signal flasher to turn signal switch
4	–	not used
5	–	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	–	not used

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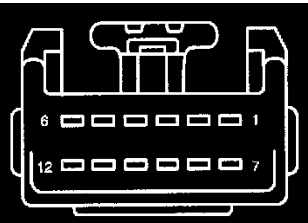
C202b

14401

N442
Multifunction switch



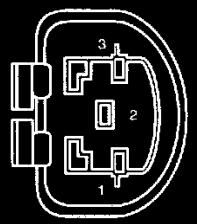
F12075

Pin	Circuit	Circuit function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield washer pump motor (17618)
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly

C1041

12A581

E7
Headlamp, right (13008)



F03169

Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	1056 (DB/LG)	Headlamp, right (13008) – fused feed
	161 (DG/OG)	Headlamp, right (13008) – fused feed

C1285
13A006

E7
Headlamp, right (13008)

Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)

C1021
12A581

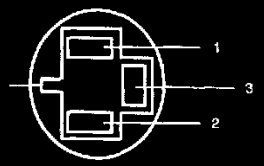
E1
Headlamp, left (13008)

Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)

C1284

13A006

E1
Headlamp, left
(13008)



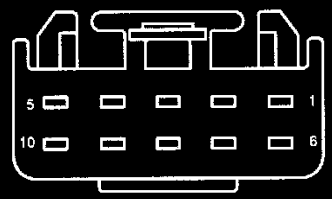
F03291

Pin	Circuit	Circuit function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)

C202a

14401

N442
Multifunction switch



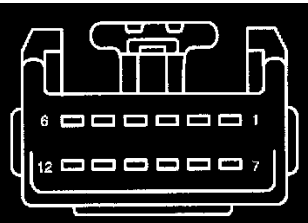
F10042

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Turn signal flasher to turn signal switch
4	–	not used
5	–	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	–	not used

C202b

14401

N442
Multifunction switch



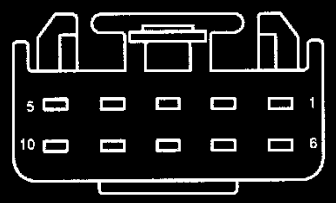
F12075

Pin	Circuit	Circuit function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield washer pump motor (17618)
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly

C202a

14401

N442
Multifunction switch



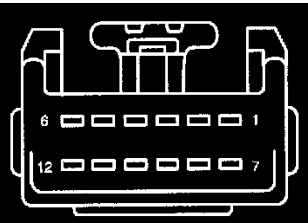
F10042

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Turn signal flasher to turn signal switch
4	–	not used
5	–	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	–	not used

C202b

14401

N442
Multifunction switch



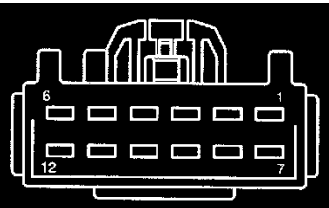
F12075

Pin	Circuit	Circuit function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield washer pump motor (17618)
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly

C205a

14401

N113
Main light switch
(11654)



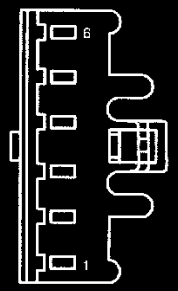
F12107

Pin	Circuit	Circuit function
1	–	not used
2	640 (RD/YE)	Power, Hot in Start or Run
3	–	not used
4	–	not used
5	275 (YE)	Fog lamp relay, control
6	57 (BK)	Ground
7	1399 (DB/WH)	autolamps, On
8	196 (DB/OG)	Voltage supplied at all times (overload protected)
9	15 (RD/YE)	Power, Hot with Headlamps on
10	195 (TN/WH)	Voltage supplied at all times (overload protected)
11	–	not used
12	14 (BN)	Power, Exterior lamps

C205b

14401

N113
Main light switch
(11654)



F06209

Pin	Circuit	Circuit function
1	19 (LB/RD)	Illumination +
2	402 (OG/LG)	Interior lamp relay, feed
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	14 (BN)	Power, Exterior lamps

C402a

14086

R19
Rear window defrost
grid (18C618)

F01012

Pin	Circuit	Circuit function
1	186 (BN/LB)	Rear window defrost

C402b

14086

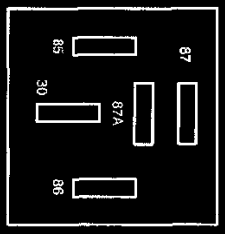
R19
Rear window defrost grid (18C618)

F01012

Pin	Circuit	Circuit function
1	57 (BK)	Ground

C2021

K1
Rear window defrost relay



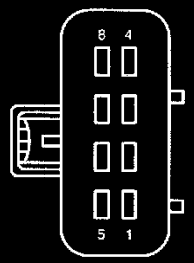
F05129

Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	688 (GY/LB)	control
86	–	Voltage, hot in run only
87	–	Defrost
87A	–	not used

C241

14401

N10
Rear window defrost switch (18578)



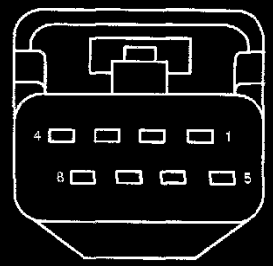
F08060

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	1010 (DB/OG)	Rear window defrost switch (18578), input
3	–	not used
4	57 (BK)	Illumination Ground
5	–	not used
6	59 (DG/VT)	Fused rear window defrost relay, switched power
7	–	not used
8	19 (LB/RD)	Illumination +

C2093

14401

A283
Remote solenoid assembly



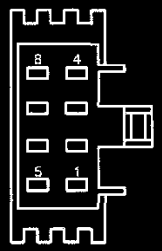
F08159

Pin	Circuit	Circuit function
1	1112 (WH/LB)	common
2	1107 (WH)	Solenoid #1, control
3	1108 (TN/WH)	Solenoid #2, control
4	1109 (OG/BK)	Solenoid #3, control
5	1110 (LG/VT)	Solenoid #4, control
6	1111 (VT)	Solenoid #5, control
7	–	not used
8	–	not used

C3004

14A504

M145
Blend door actuator,
rear (19E616)



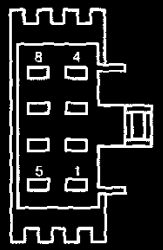
F08059

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	1126 (LB)	Rear A/C control module, signal
4	1124 (WH)	Temperature blend door actuator (19E616), feed
5	–	not used
6	1125 (BN)	Temperature blend door actuator (19E616), return
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	57 (BK)	Ground

C3044

14A504

M261
Mode door actuator,
rear (19E616)



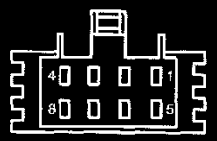
F08059

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	1131 (LG)	Rear A/C control module, signal
4	1128 (GY/LB)	signal, +
5	–	not used
6	1129 (BN/WH)	Signal return
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	57 (BK)	Ground

C289

14401

M256
Temperature blend door actuator (19E616)



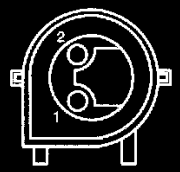
F08059

Pin	Circuit	Circuit function
1	437 (YE/LG)	Air temperature door variable resistor, wiper, with Electronic Automatic Temperature Control (EATC)
	–	not used, manual A/C
2	–	not used
3	437 (YE/LG)	Air temperature door variable resistor, wiper, manual A/C
	–	not used, with Electronic Automatic Temperature Control (EATC)
4	436 (RD/LG)	Air temperature door variable resistor –, manual A/C
	–	not used, with Electronic Automatic Temperature Control (EATC)
5	436 (RD/LG)	Air temperature door variable resistor, –, with Electronic Automatic Temperature Control (EATC)
	–	not used, manual A/C
6	438 (RD/WH)	Air temperature door variable resistor, +
7	249 (DB/LG)	Blend door actuator, CW, with Electronic Automatic Temperature Control (EATC)
	296 (WH/VT)	Voltage, hot in run only, manual A/C
8	250 (OG)	Blend door actuator, CCW, with Electronic Automatic Temperature Control (EATC)
	57 (BK)	Ground, manual A/C

C132

12A581 Excursion
14K073 Pickup

B203
Ambient air temperature sensor (19E702)



F02177

Pin	Circuit	Circuit function
1	470 (PK/BK)	Sensor signal return (reference/ground)
	676 (PK/OG)	Ground
2	3061 (LB/OG)	monitor

C1031
12A581

M3
Heater blower motor
(19805)

F02329

Pin	Circuit	Circuit function
1	181 (BN/OG)	switched power, from Blower motor relay
2	261 (OG/BK)	Blower motor, to switch

C3002
14A504

M130
Blower motor, rear
(18456)

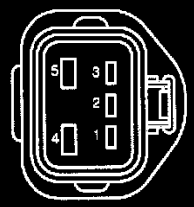
F02328

Pin	Circuit	Circuit function
1	371 (PK/WH)	Blower motor relay, switched output
2	536 (BK/LG)	Blower motor relay, Blower motor

C1308

19D605

M200
Front blower motor
speed controller
(19E624)

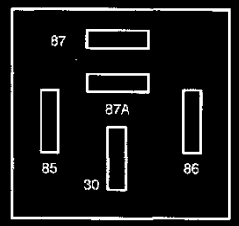


F05089

Pin	Circuit	Circuit Function
1	752 (YE/RD)	Blower switch speed control, to resistor
2	754 (LG/WH)	Blower switch speed control, to resistor
3	261 (OG/BK)	Blower motor, to switch – High
4	261 (OG/BK)	Blower motor, to switch – High
5	57 (BK)	Ground

C2017

K73
Blower motor relay



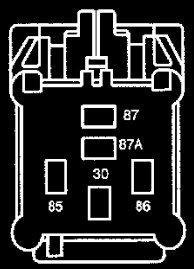
F05129

Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	–	Switched power
86	–	Ground
87	–	Blower motor feed
87A	–	not used

C4076

14A504

K55
High speed blower motor relay



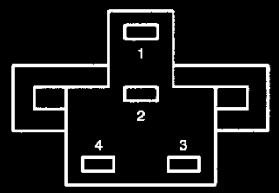
F05062

Pin	Circuit	Circuit function
30	536 (BK/LG)	Blower motor relay, Blower motor
85	295 (LB/PK)	electronic cluster, Accessory, feed
86	515 (OG/RD)	Resistor, Blower motor, High
87	57 (BK)	Ground
87a	1132 (YE)	Trailer tow relay, feed

C1032

12A581

R77
Heater blower motor resistor, front
(19A706)



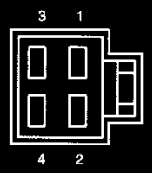
F04074

Pin	Circuit	Circuit function
1	754 (LG/WH)	Blower switch speed control, to resistor
2	57 (BK)	Ground
3	752 (YE/RD)	Blower switch speed control, to resistor
4	261 (OG/BK)	Blower motor, to switch – High

C3003

14A504

R78
Heater blower motor
resistor, rear
(19A706)



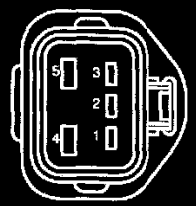
F04249

Pin	Circuit	Circuit function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	756 (RD/PK)	Auxiliary Air Conditioner/Heater, control
3	1132 (YE)	Blower motor, feed
4	751 (DB/WH)	Auxiliary Air Conditioner/Heater, control

C1308

12A581

M200
Front blower motor
speed controller
(19E624)



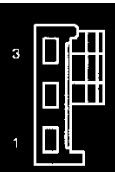
F05089

Pin	Circuit	Circuit function
1	752 (YE/RD)	Blower switch speed control, to resistor
2	754 (LG/WH)	Blower switch speed control, to resistor
3	261 (OG/BK)	Blower motor, High
4	261 (OG/BK)	Blower motor, In
5	57 (BK)	Ground

C233

14401

B206
In-vehicle temperature sensor
(19C734)



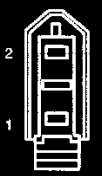
F03032

Pin	Circuit	Circuit function
1	790 (WH/OG)	signal from Electronic Automatic Temperature Control (EATC) module (19980)
2	–	not used
3	470 (PK/BK)	Sensor signal return (reference/ground)

C100

19B573
14305
12A581

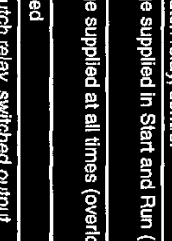
Y31
A/C clutch solenoid
(19D269)



F02245

Pin	Circuit	Circuit function
1	321 (GY/WH)	A/C clutch relay, switched output
2	57 (BK)	Ground

C1008
12A581
K107
A/C clutch relay



Pin	Circuit	Circuit function
85	331 (PK/YE)	A/C clutch relay, control
86	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
30	326 (WH/VT)	Voltage supplied at all times (overload protected)
87A	–	not used
87	321 (GY/WH)	A/C clutch relay, switched output

Function Selector Switch Assembly, Front

C294a
14401
P82
Function selector switch assembly, front

Pin	Circuit	Circuit function
1	296 (WH/VT)	Fused accessory relay, switched power, output
2	348 (VT)	A/C demand signal
3	399 (BN/YE)	Blower motor relay, control
4	57 (BK)	Ground

C294b

14401

P82
Function selector switch assembly, front

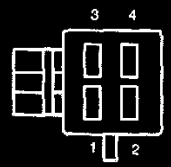
F02243

Pin	Circuit	Circuit function
1	19 (LB/RD)	Illumination +
2	57 (BK)	Ground

C294c

14401

P82
Function selector switch assembly, front



F04193

Pin	Circuit	Circuit function
1	261 (OG/BK)	Blower motor, to switch – High
2	754 (LG/WH)	Blower switch speed control, to resistor
3	57 (BK)	Ground
4	752 (YE/RD)	Blower switch speed control, to resistor

C294d

14401

P82
Function selector switch assembly, front

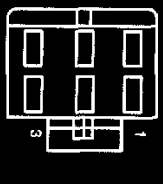
Pin	Circuit	Circuit function
1	436 (RD/LG)	Air temperature door variable resistor +
2	437 (YE/LG)	Air temperature door variable resistor, wiper
3	438 (RD/WH)	Air temperature door variable resistor –

Front

C989a

14334

N637
Auxiliary function selector switch assembly, front



Pin	Circuit	Circuit function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	515 (OG/RD)	Resistor, Blower motor, High
3	1121 (DG/YE)	Switched ground
4	57 (BK)	Ground
5	751 (DB/WH)	Heater blower motor resistor, rear (19A706)
6	1120 (BK/WH)	Off

C989b

14334

N637
Auxiliary function selector switch assembly, front

F02243

Pin	Circuit	Circuit function
1	19 (LB/RD)	Switch illumination
2	57 (BK)	Illumination Ground

C989c

14334

N637
Auxiliary function selector switch assembly, front

F03185

Pin	Circuit	Circuit function
1	1129 (BN/WH)	Signal Ground
2	1123 (YE/WH)	position sense
3	1128 (GY/LB)	signal +

C989d

14334

N637
Auxiliary function selector switch assembly, front

F03165

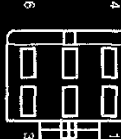
Pin	Circuit	Circuit function
1	1125 (BN)	Signal Ground
2	1122 (RD)	position sense
3	1124 (WH)	signal +

Rear

C990a

14335

N638
Auxiliary function selector switch assembly, rear



F06273

Pin	Circuit	Circuit function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	515 (OG/RD)	Resistor, Blower motor, High
3	-	not used
4	1120 (BK/WH)	Ground
5	751 (DB/WH)	Heater blower motor resistor, rear (19A706)
6	756 (RD/PK)	Heater blower motor resistor, rear (19A706)

C990b

14335
14334

N638
Auxiliary function selector switch assembly, rear

F02243

Pin	Circuit	Circuit function
1	57 (BK)	Illumination Ground
2	19 (LB/RD)	Illumination +

C990c

14334/14335

N638
Auxiliary function selector switch assembly, rear

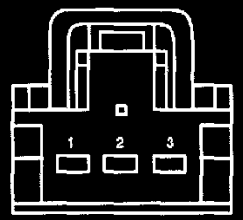
F03165

Pin	Circuit	Circuit function
1	1129 (BN/WH)	Signal Ground
2	1130 (PK/LG)	position sense
3	1128 (GY/LB)	signal +

C990d

14334/14335

N638
Auxiliary function selector switch assembly, rear



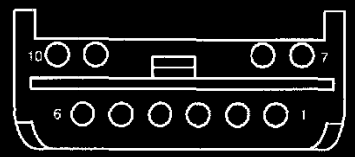
F03165

Pin	Circuit	Circuit function
1	1125 (BN)	Signal Ground
2	1127 (YE)	position sense
3	1124 (WH)	signal +

C3005

14A504

A404
Rear A/C control module



F10009

Pin	Circuit	Circuit function
1	1130 (PK/LG)	Mode door actuator, rear (19E616), position sense
2	1126 (LB)	Blend door actuator, control
3	1131 (LG)	Mode door actuator, rear (19E616), control
4	1121 (DG/YE)	Switched ground
5	1122 (RD)	Blend door actuator, position sense
6	57 (BK)	Ground
7	–	not used
8	295 (LB/PK)	Voltage in Run (overload protected)
9	1127 (YE)	Blend door actuator, position sense
10	1123 (YE/WH)	Mode actuator, position sense

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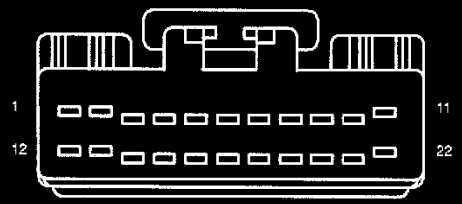
C228b

14401

A205
Electronic Automatic
Temperature Control
(EATC) module
(19980)



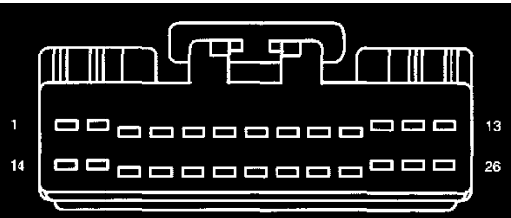
F22017

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	693 (OG)	UBP Diagnostics
4	–	not used
5	470 (PK/BK)	Sensor signal return (reference/ground)
6	438 (RD/WH)	Blend door actuator, signal –
7	–	not used
8	–	not used
9	–	not used
10	–	not used
11	22 (LB/BK)	Voltage supplied at all times (overload protected)
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used
17	–	not used
18	348 (VT)	A/C demand signal
19	250 (OG)	Blend door actuator, control
20	249 (DB/LG)	Blend door actuator, control
21	–	not used
22	296 (WH/VT)	Voltage in Run (overload protected)

C228a

14401

A205
Electronic Automatic
Temperature Control
(EATC) module
(19980)



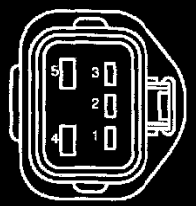
F26015

Pin	Circuit	Circuit function
1	–	not used
2	676 (PK/OG)	logic ground
3	752 (YE/RD)	Blower motor speed controller, Signal return
4	436 (RD/LG)	Blend door actuator, position sense +
5	1070 (BN/LB)	to heater/A/C controls, in steering wheel
6	–	not used
7	3061 (LB/OG)	Ambient air temperature sensor (19E702) +
8	–	not used
9	1112 (WH/LB)	Remote solenoid assembly, common
10	261 (OG/BK)	Blower motor, High
11	1111 (VT)	Remote solenoid assembly, control
12	1110 (LG/VT)	Remote solenoid assembly, control
13	1107 (WH)	Remote solenoid assembly, control
14	19 (LB/RD)	A/C demand signal, feed
15	–	not used
16	754 (LG/WH)	Blower motor speed controller, command
17	–	not used
18	–	not used
19	790 (WH/OG)	Temperature, Vehicle interior +
20	217 (DB/OG)	Sunload sensor (19E663), signal
21	`437 (YE/LG)	Blend door actuator, position sense, monitor
22	–	not used
23	399 (BN/YE)	Blower motor relay, control
24	–	not used
25	1109 (OG/BK)	Remote solenoid assembly, control
26	1108 (TN/WH)	Remote solenoid assembly, control

C1308

12A581

M200
Front blower motor
speed controller
(19E624)



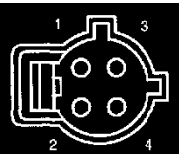
F05089

Pin	Circuit	Circuit function
1	752 (YE/RD)	Blower switch speed control, to resistor
2	754 (LG/WH)	Blower switch speed control, to resistor
3	261 (OG/BK)	Blower motor, High
4	261 (OG/BK)	Blower motor, In
5	57 (BK)	Ground

C1081 (BN)

19B573/14305/12A581

N75
A/C compressor cycling switch
(19E561)



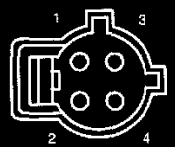
F04195

Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
2	–	not used
3	–	not used
4	348 (VT)	A/C demand signal

C1078 (GY)

12A581/14305/19B573

N126
A/C high pressure switch (19D594)



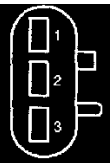
F04195

Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
	570 (BK/WH)	Ground
2	–	not used
3	439 (TN/LG)	A/C pressure switch, signal
	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
4	–	not used

C286

14401

B72
Sunload sensor
(19E663)



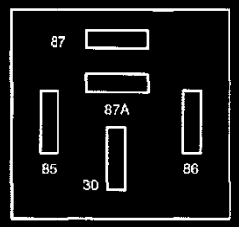
F03197

Pin	Circuit	Circuit function
1	217 (DB/OG)	signal to Electronic Automatic Temperature Control (EATC) module (19980)
2	57 (BK)	Ground
	676 (PK/OG)	Ground
3	1104 (LB)	signal to Vehicle Security Module (VSM)

C2116

14401

K354
Auxiliary A/C relay



F05129

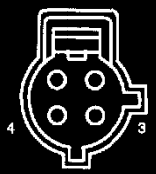
Pin	Circuit	Circuit function
30	364 (BK/LG)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	181 (BN/OG)	Voltage in Run (overload protected)
	295 (LB/PK)	Voltage in Run (overload protected)
87	371 (PK/WH)	Blower motor, rear, feed
87A	–	not used

C1119

12A581

M278
Vacuum pump motor

Diesel only



F04195

Pin	Circuit	Circuit Function
1	–	not used
2	57 (BK)	Ground
3	–	not used
4	295 (LB/PK)	Voltage, hot in run only

C131
12A581

H1
Horn (13832)

F92089

Pin	Circuit	Circuit function
1	6 (YE/LG)	Horn relay, switched power, output
2	57 (BK)	Ground

C1066
12B637

Y133
Idle air control valve (IAC) (9F715)

F92475

Pin	Circuit	Circuit function
1	361 (RD)	PCM power relay, fused feed
2	264 (WH/LB)	Switched ground

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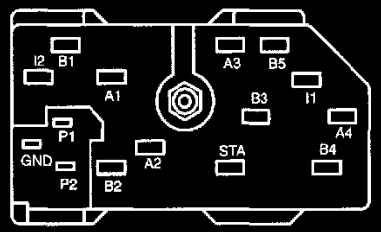
C250

14401

N278
Ignition switch
(11572)



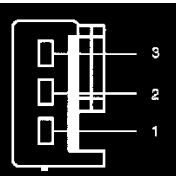
F15014

Pin	Circuit	Circuit function
A1	964 (DB/LG)	fused feed, Accessory
A2	–	not used
A3	1040 (RD/BK)	Voltage in Run (overload protected)
A4	687 (GY/YE)	Voltage in Run (overload protected)
B1	37 (YE)	Voltage supplied at all times (overload protected)
B2	–	not used
B3	37 (YE)	Voltage supplied at all times (overload protected)
B4	1050 (LG/VT)	Voltage supplied at all times (overload protected)
B5	325 (DB/OG)	Voltage supplied at all times (overload protected)
I1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
I2	–	not used
P1	–	not used
P2	–	not used
STA	1522 (DG)	Voltage supplied in Start (overload protected)
GND	–	not used

C2207

14401

N316
Inertia Fuel Shutoff
(IFS) switch
(9D362)



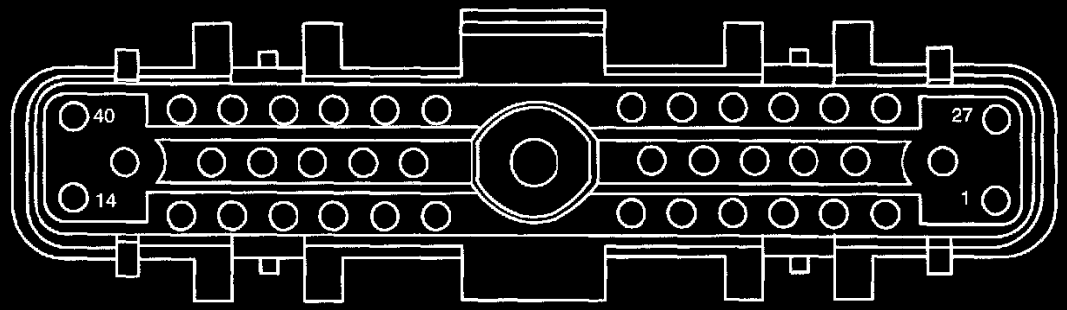
F03072

Pin	Circuit	Circuit function
1	238 (DG/YE)	to Fuel pump relay
2	787 (PK/BK)	Fuel pump, Power
3	–	not used

C1174

12A581

A415
Injector Driver Module (IDM)

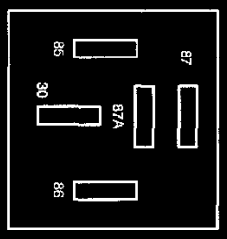


Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	Signal return
3	–	not used
4	818 (GY/WH)	Powertrain Control Module (PCM) (12A650), Communication
5	–	not used
6	555 (TN)	Fuel injector 1, control
7	558 (BN/LB)	Fuel injector 4, control
8	559 (TN/BK)	Fuel injector 5, control
9	562 (LB)	Fuel injector 8, control
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	876 (DG/LG)	Power, from, Injector Driver Module (IDM) power relay
15	–	not used
16	817 (YE/LB)	cylinder identification, signal, input
17	821 (BN/OG)	fuel delivery command, signal, input
18	48	Shield
19	560 (LG/OG)	Fuel injector 6, control
20	561 (TN/RD)	Fuel injector 7, control

Pin	Circuit	Circuit function
21	557 (BN/YE)	Fuel injector 3, control
22	556 (WH)	Fuel injector 2, control
23	878 (PK/YE)	Fuel injectors, LH side, feed
24	1087 (OG)	Fuel injectors, RH side, feed
25	–	not used
26	574 (BK/PK)	Ground
27	–	not used
28	–	not used
29	–	not used
30	–	not used
31	–	not used
32	–	not used
33	–	not used
34	–	not used
35	–	not used
36	–	not used
37	–	not used
38	–	not used
39	–	not used
40	–	not used

C2170

K360
Injector Driver Module (IDM) power relay



F05129

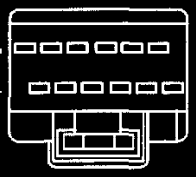
Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	814 (WH/BK)	Switched ground
86	–	PCM power relay, fused feed
87	876 (DG/LG)	feed
87A	–	not used

Instrument Cluster

C220a

14401

A30
Instrument cluster



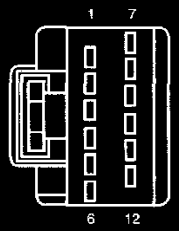
F12077

Pin	Circuit	Circuit function
1	914 (TN/OG)	SCP Bus +
2	915 (PK/LB)	SCP Bus –
3	29 (YE/WH)	Fuel pump/fuel gauge sender
4	396 (BK/OG)	Fuel sender, logic ground
5	3 (LG/WH)	Left turn, signal
6	142 (LB/RD)	Air filter sensor – Diesel only
7	693 (OG)	UBP Diagnostics
8	402 (OG/LG)	Interior lamp relay, control
9	–	not used
10	–	not used
11	769 (BN/WH)	Fuel Tank Selector, indicator
12	1010 (DB/OG)	Rear window defrost switch (18578), input

C220b

14401

A30
Instrument cluster



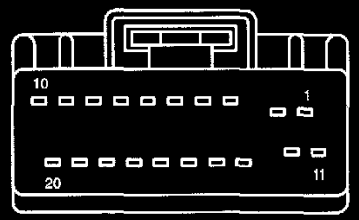
F12077

Pin	Circuit	Circuit function
1	759 (LG/YE)	Door ajar switch
2	760 (PK/LB)	Door ajar switch
3	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
4	975 (BN/YE)	Four–wheel drive, high/low
5	210 (LB)	Four–wheel drive, high/low
6	85 (BN/LB)	Safety belt buckle switch (10B924), input
7	688 (GY/LB)	Rear window defrost relay, control
8	1332 (LB)	Accessory delay relay, control
9	158 (BK/PK)	Key warning switch (11A127), input
10	1083 (LB/BK)	Air bag, tone driver
11	162 (LG/RD)	Parking brake switch (15A851)
12	904 (LG/RD)	Generator/Battery indicator, control

C220c

14401

A30
Instrument cluster



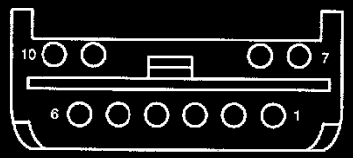
F20020

Pin	Circuit	Circuit function
1	54 (LG/YE)	feed, from, Battery saver relay
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	1269 (OG/RD)	Anti–theft ON indicator, control
4	2 (WH/LB)	Right turn, signal
5	12 (LG/BK)	High beam indicator
6	45 (YE/RD)	Coolant temperature sensor Diesel only
7	39 (RD/WH)	Coolant temperature sensor Diesel only
8	31 (WH/RD)	Engine oil pressure indicator, control
9	512 (TN/LG)	Brake indicator, control
10	531 (DG/YE)	Brake fluid level switch (2L414), signal
11	705 (LG/OG)	Voltage supplied at all times (overload protected)
12	785 (BK/LG)	Voltage supplied at all times (overload protected)
13	676 (PK/OG)	logic ground
14	608 (BK/YE)	Air bag indicator, control
15	57 (BK)	Ground
16	19 (LB/RD)	Illumination +
17	203 (OG/LB)	Cruise set, indicator, control
18	603 (DG)	Anti–lock brake indicator, control
19	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
20	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)

C930

17C712

A143
Overhead console



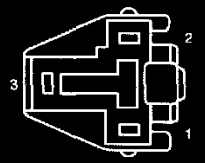
F10009

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	–	not used
3	29 (YE/WH)	Fuel pump/fuel gauge sender
4	70 (LB/WH)	ISO Bus
5	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
6	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
7	640 (RD/YE)	Voltage in Run (overload protected)
8	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
9	19 (LB/RD)	Illumination dimmer
10	–	not used

C2031

14401

R42
Cigar lighter, front
(15055)



Pin	Circuit	Circuit function
1	40 (LB/WH)	Cigar lighter, feed
2	–	not used
3	57 (BK)	Ground

C458

14086

N402
Liftgate ajar switch, left

F02523

Pin	Circuit	Circuit function
1	700 (WH/VT)	Anti–theft, switch sense
2	23 (TN/LG)	Liftgate ajar switch, input

C459

14086

N403
Liftgate ajar switch, right

F02523

Pin	Circuit	Circuit function
1	700 (WH/VT)	Anti–theft, switch sense
2	57 (BK)	Ground

C526
14A005

N239
Door ajar switch, driver side front (14018)

F02117

Pin	Circuit	Circuit function
1	765 (YE/BK)	Anti–theft, switch sense
	759 (LG/YE)	Anti–theft, switch sense – without remote keyless entry
2	57 (BK)	Ground

C715
14A005

N237
Door ajar switch, driver side rear (14018)

F02379

Pin	Circuit	Circuit function
1	346 (BK/WH)	switch sense, without remote keyless entry
1	759 (LG/YE)	switch sense, with remote keyless entry
2	57 (BK)	Ground

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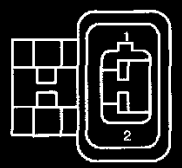
C602

14A005

N240
Door ajar switch,
passenger side front
(14018)



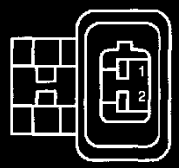
F02117

Pin	Circuit	Circuit function
1	761 (GY/RD)	switch sense, with remote keyless entry
	760 (PK/LB)	switch sense, without remote keyless entry
2	57 (BK)	Ground
	345 (BK/PK)	switch sense, with crew cab, without remote keyless entry

C820

14A005

N238
Door ajar switch,
passenger side rear
(14018)



F02117

Pin	Circuit	Circuit function
1	346 (BK/WH)	switch sense, without remote keyless entry
	395 (GY/OG)	switch sense, without remote keyless entry, 4 speaker audio system
	760 (PK/LB)	switch sense, with remote keyless entry
2	57 (BK)	Ground, with remote keyless entry
	345 (BK/PK)	switch sense, without remote keyless entry
	346 (BK/WH)	switch sense, without remote keyless entry, 4 speaker audio system

C3094

14405

B276
Fuel sender, primary

F04082

Pin	Circuit	Circuit function
1	–	not used
2	675 (YE/LB)	Sensor signal return (reference/ground)
3	–	not used
4	396 (BK/OG)	Reference voltage

C3095

14405

B277
Fuel sender, secondary

F04082

Pin	Circuit	Circuit function
1	–	not used
2	673 (DB/YE)	Sensor signal return (reference/ground)
3	–	not used
4	396 (BK/OG)	Reference voltage

C129

12A581

B213
Intake Air Temperature (IAT) sensor (12A697)

F02101

Pin	Circuit	Circuit function
1	743 (GY)	signal from Powertrain Control Module (PCM) (12A650)
2	359 (GY/RD)	Sensor signal return (reference/ground)

C1236 (BK)

9D930

B5
Air Charge Temperature (ACT) sensor

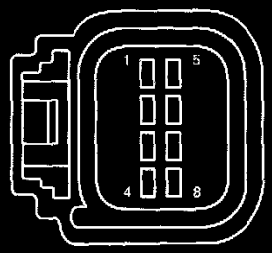
F02111

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground)
2	1291 (RD/YE)	signal from Powertrain Control Module (PCM) (12A650)

C500

14A631

A244
Key pad switch assembly



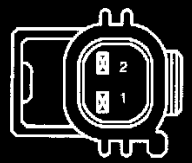
F08203

Pin	Circuit	Circuit function
1	78 (LB/YE)	Key pad button 1/2, Key pad button 5/6
2	1013 (BN/LG)	Illumination
3	79 (LG/RD)	Key pad button 5/6
4	–	not used
5	57 (BK)	Ground
6	124 (BN)	Key pad common
7	121 (YE/BK)	Key pad button 5/6, Key pad button 9/0
8	–	not used

C109

12B637

B45
Knock sensor
(12A699)



F02453

Pin	Circuit	Circuit function
1	311 (DG/VT)	Sensor signal
2	310 (YE/RD)	Sensor signal

C1063

12A581

Y202
EVAP canister vent control solenoid

F02101

Pin	Circuit	Circuit function
1	391 (RD/YE)	Power (Start or Run)
2	91 (VT/WH)	Switched ground

C452

14405 Excursion
13412 Pickup

E34
License plate lamp, left

F02086

Pin	Circuit	Circuit function
1	14 (BN)	Power, Hot with Headlamps on
2	57 (BK)	Ground

C462

14405 Excursion
13412 Pickup

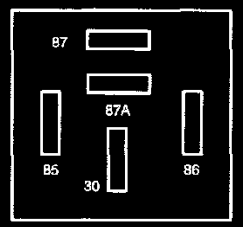
E35
License plate lamp, right

F02086

Pin	Circuit	Circuit function
1	14 (BN)	Power, Hot with Headlamps on
2	57 (BK)	Ground

C2160

K163
PCM power relay



F05129

Pin	Circuit	Circuit function
30	–	Battery Power
85	–	Ground
86	16 (RD/LG)	Voltage, ignition switch in Start or Run (overload protected electronic module)
87	–	fused feed
87A	–	not used

C1087

12A581

B2
Manifold Absolute Pressure (MAP) sensor

F03124

Pin	Circuit	Circuit function
1	351 (BN/WH)	Reference, voltage
2	358 (LG/BK)	Manifold Absolute Pressure (MAP) sensor, to, Powertrain Control Module (PCM) (12A650)
3	359 (GY/RD)	signal, return

C970

15A404
17C712

E16
Roof marker lamp, left

F03235

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	14 (BN)	Power, Exterior lamps

C984
15B484
E16
Roof marker lamp, left

Lariat

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C971
15A404
17C712
E266
Roof marker lamp, left center

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	—	not used
3	14 (BN)	Power, Exterior lamps

C985
15B484

E266
Roof marker lamp, left center

Lariat

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C972
15A404
17C712

E267
Roof marker lamp, center

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C986

15B484

E267
Roof marker lamp, center

Lariat

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C973

15A404
17C712

E268
Roof marker lamp, right center

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	14 (BN)	Power, Exterior lamps

C987
15B484
E268
Roof marker lamp, right center

Lariat

F02443

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C974
15A404
17C712
E17
Roof marker lamp, right

F02235

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	14 (BN)	Power, Exterior lamps

C988
15B484

E17
Roof marker lamp, right

Lariat

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C1126
12A581

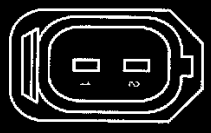
E32
Side lamp, right front (13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C1127

12A581

E40
Side lamp, left front
(13411)

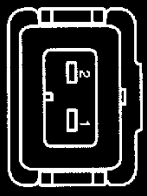


Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4094

13A409

E135
Side lamp 1, LH
rear

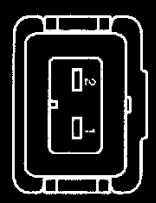


Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4095

13A409

E136
Side lamp 2, LH rear

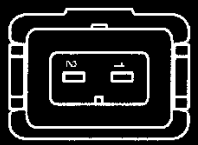


Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4096

13A409

E131
Side lamp 1, RH rear



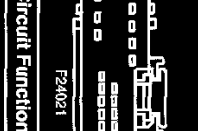
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4097
13A409
E132
Side lamp 2, RH rear

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

Memory Positioning Module

C341a
14A699
A207
Driver seat module (14C718)

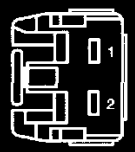


Pin	Circuit	Circuit Function
1	1469 (RD/LB)	Driver seat module (14C718), to, Power seat motor assembly, left
2	–	not used
3	1467 (GY/YE)	Power seat switch, left, to, Driver seat module (14C718)
4	1468 (GY/LB)	Power seat switch, left, to, Driver seat module (14C718)
5	442 (LG/OG)	Seat position sensor – horizontal sense
6	443 (LG/RD)	Driver seat module (14C718), to, Power seat motor assembly, left
7	1463 (RD/YE)	Power seat switch, left, to, Driver seat module (14C718)
8	–	not used
9	1474 (RD/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
10	1489 (LB/BK)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
11	1471 (RD/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
12	1490 (LB/OG)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
13	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)
14	1465 (GY/WH)	Power seat switch, left, to, Driver seat module (14C718)
15	1466 (GY/OG)	Power seat switch, left, to, Driver seat module (14C718)
16	1464 (YE)	Power seat switch, left, to, Driver seat module (14C718)
17	444 (LG/BK)	Driver seat module (14C718), to, Power seat motor assembly, left
18	–	not used
19	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
20	–	not used
21	–	not used
22	1472 (YE/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
23	1473 (YE/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
24	1470 (YE/LB)	Driver seat module (14C718), to, Power seat motor assembly, left

C341b

14A699

A207
Driver seat module
(14C718)



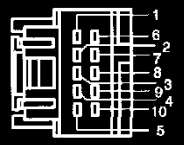
F02032

Pin	Circuit	Circuit Function
1	566 (DG)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C341c

14A005

A207
Driver seat module
(14C718)



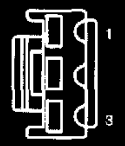
F10135

Pin	Circuit	Circuit Function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	693 (OG)	A/C demand signal
3	268 (BK/OG)	Memory set switch (14776)
4	267 (BN/LG)	Memory set switch (14776)
5	270 (BN/OG)	Memory set switch (14776)
6	676 (PK/OG)	logic ground
7	1491 (LB/YE)	Accelerator pedal position sensor monitor
8	1493 (PK/BK)	Adjustable pedal switch input
9	1492 (LB/RD)	Adjustable pedal switch input
10	272 (WH/OG)	Memory set switch (14776), Switch illumination

C911

17C712

A222
Auto-dimming interior mirror unit
(17700)

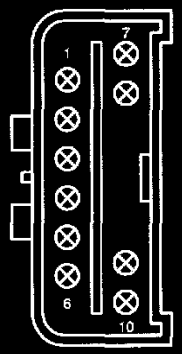


Pin	Circuit	Circuit function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	57 (BK)	Ground
3	140 (BK/PK)	Voltage supplied in reverse

C521

14A005

M220
Exterior rear view mirror, driver side
(17682)



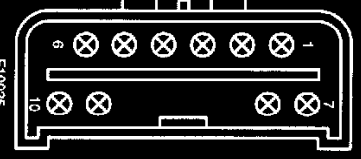
F10025

Pin	Circuit	Circuit function
1	540 (RD)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	541 (DB)	Up/Down mirror movement
4	3 (LG/WH)	Turn signal
5	57 (BK)	Ground
6	59 (DG/VT)	Defrost
7	–	not used
8	–	not used
9	–	not used
10	–	not used

C601

14A005

M221
Exterior rear view mirror, passenger side (17683)



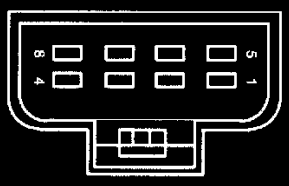
F10025

Pin	Circuit	Circuit function
1	543 (DG)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	544 (VT)	Up/Down mirror movement
4	2 (WH/LB)	Turn signal
5	57 (BK)	Defrost, Turn signal, Ground
6	59 (DG/VT)	Defrost
7	–	not used
8	–	not used
9	–	not used
10	–	not used

C527

14A005

N409
Exterior rear view mirror switch (17B676)



F08177

Pin	Circuit	Circuit function
1	956 (OG/LG)	Voltage supplied at all times (overload protected)
2	–	not used
3	543 (DG)	Right/Left mirror movement
4	540 (RD)	Right/Left mirror movement
5	57 (BK)	Ground
6	542 (YE)	Mirror motor, common
7	541 (DB)	Up/Down mirror movement
8	544 (VT)	Up/Down mirror movement

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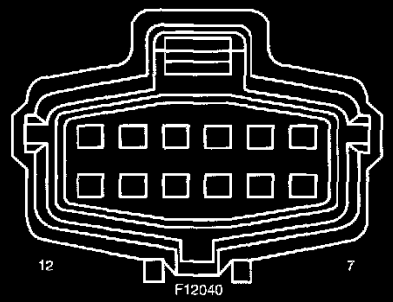
C167

15525

B234
Digital Transmission Range (DTR) sensor (7F293)

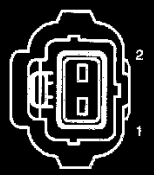


Pin	Circuit	Circuit function
1	–	not used
2	359 (GY/RD)	signal, return
3	199 (LB/YE)	Digital Transmission Range (DTR) sensor to Powertrain Control Module (PCM) (12A650)
4	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
5	1145 (LB/BK)	Digital Transmission Range (DTR) sensor, TR2
6	1143 (WH/BK)	Digital Transmission Range (DTR) sensor, TR4
7	870 (VT/YE)	encoder, Ground, return
8	463 (RD/WH)	Neutral, switch sense, input
9	295 (LB/PK)	electronic cluster, Accessory, feed
10	33 (WH/PK)	switched power, to starter solenoid
11	140 (BK/PK)	Voltage supplied in reverse
12	1093 (TN/RD)	Power, Hot in Start with Park or Neutral

C104

9D930

B226
Engine Oil Temperature (EOT) sensor



Pin	Circuit	Circuit function
1	354 (LG/RD)	signal from Powertrain Control Module (PCM) (12A650)
2	359 (GY/RD)	Sensor signal return (reference/ground)

C103
12B637
9D930

N17
Oil pressure switch (9278)

F01016

Pin	Circuit	Circuit function
1	31 (WH/RD)	Engine oil pressure indicator, control

C104 (GY)
9D930

B226
Engine Oil Temperature (EOT) sensor

F02015

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground)
2	354 (LG/RD)	signal from Powertrain Control Module (PCM) (12A650)

C2135
14401

N250
Overdrive cancel switch (7G550)

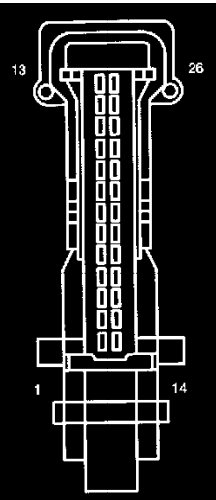
F03245

Pin	Circuit	Circuit function
1	911 (WH/LG)	Transmission Control Indicator Lamp (TCIL)
2	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmission overdrive cancel switch

C4014

15K867
14A504

A265
Parking Aid Module
(PAM) (15K866)



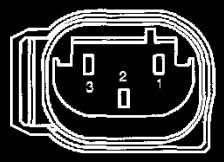
Pin	Circuit	Circuit function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	–	not used
3	57 (BK)	Ground
4	–	not used
5	70 (LB/WH)	ISO Bus
6	–	not used
7	1435 (DG/VT)	On/Off signal
8	–	not used
9	140 (BK/PK)	Voltage supplied in reverse
10	1442 (DG/WH)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer right (15K859), input
11	1441 (WH/LG)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner right (15K859), input
12	–	not used
13	–	not used
14	1437 (BK/PK)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker –

Pin	Circuit	Circuit function
15	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
16	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return
17	1438 (DG)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker +
18	–	not used
19	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
20	–	not used
21	–	not used
22	–	not used
23	1443 (WH/LB)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner left (15K859), input
24	1444 (DB/YE)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer left (15K859), input
25	–	not used
26	–	not used

C4009

14N139

B254
Parking aid sensor, outer left (15K859)



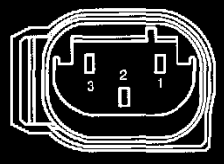
F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1441 (WH/LG)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner right (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4010

14N139

B252
Parking aid sensor, inner left (15K859)



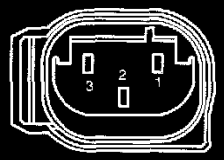
F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1442 (DG/WH)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer right (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4011

14N139

B255
Parking aid sensor, outer right (15K859)



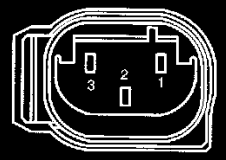
F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1444 (DB/YE)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer left (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4012

14N139

B253
Parking aid sensor, inner right (15K859)



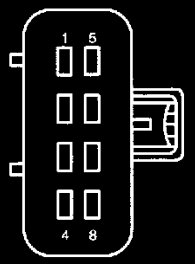
F03110

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1443 (WH/LB)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner left (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C2035

14401

N470
Parking aid disable switch (15A860)



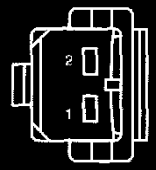
F08060

Pin	Circuit	Circuit function
1	676 (PK/OG)	Switched ground
2	1435 (DG/VT)	On/Off signal
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
7	–	not used
8	19 (LB/RD)	Illumination +

C4015 (WH)

14A504
15K867

Y234
Parking aid speaker



F02233

Pin	Circuit	Circuit function
1	1438 (DG)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker +
2	1437 (BK/PK)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker –

C2015
14401

N63
Parking brake switch (15A851)

F01075

Pin	Circuit	Circuit Function
1	162 (LG/RD)	Switched ground

C4035
13A409

E242
Park/stop/turn lamp, left rear

F03899

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C4032

13A409

E243
Park/stop/turn lamp, right rear

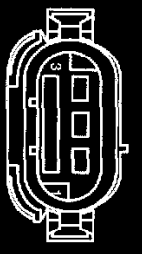
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OG/LB)	Turn lamps, feed, right rear

C1023

12A581

E164
Park/turn lamp, left front (13411)



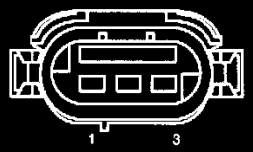
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LG/WH)	Turn lamps, feed, left front

C1043

12A581

E166
Park/turn lamp, right front (13411)



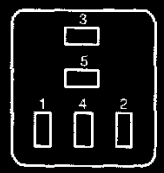
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	2 (WH/LB)	Turn lamps, feed, right front

C1170

12A581
13K027

K389
Park brake relay



F05139

Pin	Circuit	Circuit function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	162 (LG/RD)	Parking brake switch (15A851)
3	295 (LB/PK)	electronic cluster, Accessory, feed
4	175 (BK/YE)	Voltage supplied at all times (overload protected)
5	–	not used

C525
14A005

M241
Door lock actuator, left front

F02116

Pin	Circuit	Circuit function
1	163 (RD/OG)	Driver door unlock relay, switched power
	118 (PK/OG)	Door unlock, output – without remote keyless entry
2	117 (PK/BK)	Door lock, output

C704
14A005

M64
Door lock actuator, left rear (218A443)

F02116

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C804
14A005

M65
Door lock actuator, right rear (218A42)

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C603
14A005

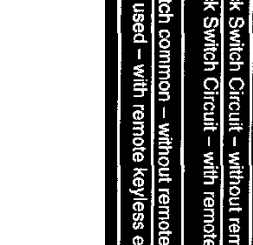
M226
Door lock actuator, passenger side (218A42)

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C505

14A005

N204
Door lock switch, driver side (14028)



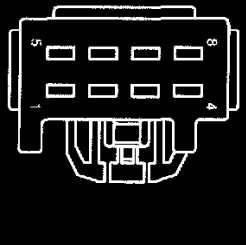
F08193

Pin	Circuit	Circuit function
1	57 (BK)	Illumination Ground
2	57 (BK)	switch common – without remote keyless entry
	–	not used – with remote keyless entry
3	120 (PK/LG)	Unlock Switch Circuit – without remote keyless entry
	1210 (BK/WH)	Unlock Switch Circuit – with remote keyless entry
4	116 (RD/BK)	Voltage supplied at all times (overload protected) – without remote keyless entry
	57 (BK)	Ground – with remote keyless entry
5	194 (PK)	Switch illumination
6	–	not used
7	119 (PK/YE)	Lock Switch Circuit – without remote keyless entry
	1211 (WH/RD)	Lock Switch Circuit – with remote keyless entry
8	57 (BK)	switch common – without remote keyless entry
	–	not used – with remote keyless entry

C605

14A005

N205
Door lock switch, passenger side (14028)



F08193

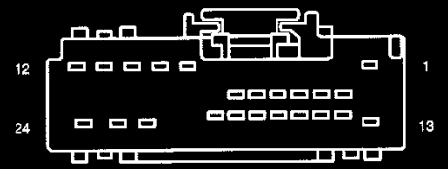
Pin	Circuit	Circuit function
1	57 (BK)	Illumination Ground
2	120 (PK/LG)	Unlock Switch Circuit – without remote keyless entry
	–	not used – with remote keyless entry
3	118 (PK/OG)	Unlock Switch Circuit – without remote keyless entry
	1210 (BK/WH)	Unlock Switch Circuit – with remote keyless entry
4	116 (RD/BK)	Voltage supplied at all times (overload protected) – without remote keyless entry
	57 (BK)	Ground – with remote keyless entry
5	194 (PK)	Switch illumination
6	–	not used
7	117 (PK/BK)	Lock Switch Circuit – without remote keyless entry
	1211 (WH/RD)	Lock Switch Circuit – with remote keyless entry
8	119 (PK/YE)	Lock Switch Circuit – without remote keyless entry
	–	not used – with remote keyless entry

Power Seat Control Module

C341a

14A699

A207
Driver seat module (14C718)



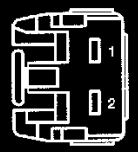
F24021

Pin	Circuit	Circuit function
1	1469 (RD/LB)	Driver seat module (14C718), to, Power seat motor assembly, left
2	–	not used
3	1467 (GY/YE)	Rear up/down circuit
4	1468 (GY/LB)	Rear up/down circuit
5	442 (LG/OG)	Seat position sensor – horizontal sense
6	443 (LG/RD)	Driver memory seat front height sensor, monitor
7	1463 (RD/YE)	Power seat switch, left, to, Driver seat module (14C718)
8	–	not used
9	1474 (RD/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
10	1489 (LB/BK)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
11	1471 (RD/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
12	1490 (LB/OG)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
13	447 (OG/RD)	Sensor, return
14	1465 (GY/WH)	Seat rearward, signal
15	1466 (GY/OG)	Seat Forward signal
16	1464 (YE)	Front up/down circuit
17	444 (LG/BK)	Driver memory seat rear height sensor, monitor
18	–	not used
19	446 (OG/WH)	Sensor, feed
20	–	not used
21	–	not used
22	1472 (YE/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
23	1473 (YE/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
24	1470 (YE/LB)	Driver seat module (14C718), to, Power seat motor assembly, left

C341b

14A699

A207
Driver seat module
(14C718)



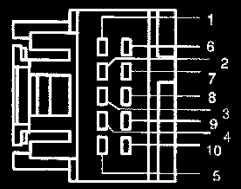
F02032

Pin	Circuit	Circuit function
1	566 (DG)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C341c

14A005

A207
Driver seat module
(14C718)



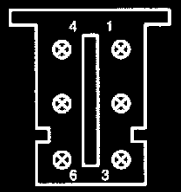
F10135

Pin	Circuit	Circuit function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	693 (OG)	UBP Diagnostics
3	268 (BK/OG)	Memory set switch (14776)
4	267 (BN/LG)	Memory set switch (14776)
5	270 (BN/OG)	Memory set switch (14776)
6	676 (PK/OG)	logic ground
7	1491 (LB/YE)	Accelerator pedal position sensor monitor
8	1493 (PK/BK)	Adjustable pedal switch input
9	1492 (LB/RD)	Adjustable pedal switch input
10	272 (WH/OG)	Memory set switch (14776), Switch illumination

C357

14A699

M214
Power seat motor assembly, left



F06138

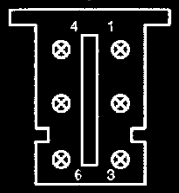
Pin	Circuit	Circuit function
1	1472 (YE/WH)	Seat forward/rearward circuit – Fog lamp feed
	980 (RD/LG)	Seat forward/rearward circuit – without memory
2	1474 (RD/LG)	Seat up/down circuit, rear – Fog lamp feed
	983 (YE/LB)	Rear height circuit, Up – without memory
3	1473 (YE/LG)	Seat up/down circuit, rear – Fog lamp feed
	982 (RD/LB)	Rear height circuit, Down – without memory
4	1471 (RD/WH)	Seat forward/rearward circuit – Fog lamp feed
	981 (YE/LG)	Seat Forward – without memory
5	1470 (YE/LB)	Seat up/down circuit, front – Fog lamp feed
	990 (YE/WH)	Front height circuit, Down – without memory
6	1469 (RD/LB)	Seat up/down circuit, front – Fog lamp feed
	979 (RD/WH)	Front height circuit, Up – without memory

C3015

14B084

without memory

M215
Power seat motor assembly, right



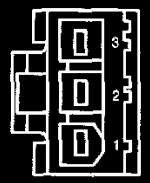
F06138

Pin	Circuit	Circuit function
1	987 (RD/WH)	Seat adjust switch, to, Passenger seat horizontal motor
2	985 (RD/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
3	984 (YE/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
4	986 (YE/WH)	Seat adjust switch, to, Passenger seat horizontal motor
5	988 (YE/LG)	Seat adjust switch, to, front, Tilt, Seat motor
6	989 (RD/LG)	Seat adjust switch, to, front, Tilt, Seat motor

C372

14B122

B222
Driver memory seat
horizontal sensor



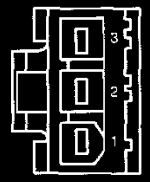
F03111

Pin	Circuit	Circuit function
1	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
2	442 (LG/OG)	Seat position sensor – horizontal sense
3	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)

C383

14B122

B223
Driver memory seat
front height sensor



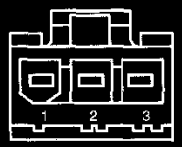
F03111

Pin	Circuit	Circuit function
1	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)
2	443 (LG/RD)	Driver seat module (14C718), to, Power seat motor assembly, left
3	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)

C373

14B122

B224
Driver memory seat
rear height sensor



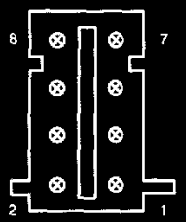
F03111

Pin	Circuit	Circuit function
1	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
2	444 (LG/BK)	Driver seat module (14C718), to, Power seat motor assembly, left
3	447 (OG/RD)	Sensor, feed, from, Driver seat module (14C718)

C330

14B084

N217
Seat adjust switch,
passenger side front



F08245

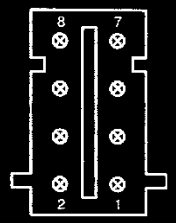
Pin	Circuit	Circuit function
1	984 (YE/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
2	989 (RD/LG)	Seat adjust switch, to, front, Tilt, Seat motor
3	988 (YE/LG)	Seat adjust switch, to, front, Tilt, Seat motor
4	51 (BK/WH)	Voltage supplied at all times (overload protected)
5	985 (RD/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
6	987 (RD/WH)	Seat adjust switch, to, Passenger seat horizontal motor
7	986 (YE/WH)	Seat adjust switch, to, Passenger seat horizontal motor
8	57 (BK)	Ground

* with memory

C360

14A699

N216
Seat adjust switch,
driver side front
(14A701)



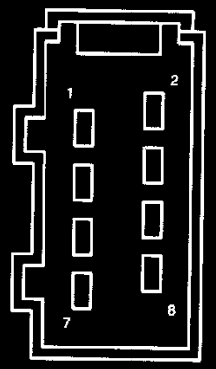
F08245

Pin	Circuit	Circuit Function
1	*1464 (YE)	Front up/down circuit
	990 (YE/LB)	Forward/Rearward circuit +/–
2	*1468 (GY/LB)	Rear up/down circuit
	983 (RD/LG)	Rear up/down circuit +/–
3	*1467 (GY/YE)	Rear up/down circuit
	982 (YE/LG)	Rear up/down circuit +/–
4	*956 (OG/LG)	Voltage supplied at all times (overload protected)
	566 (DG)	Voltage supplied at all times (overload protected)
5	*1463 (RD/YE)	Front up/down circuit
	979 (RD/LB)	Forward/Rearward circuit +/–
6	*1466 (GY/OG)	Seat Forward
	981 (RD/WH)	Front up/down circuit +/–
7	*1465 (GY/WH)	Seat rearward
	980 (YE/WH)	Front up/down circuit +/–
8	*676 (PK/OG)	Front up/down circuit
	57 (BK)	Ground

C369

14B084

N216
Seat adjust switch,
driver side front
(14A701)



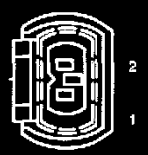
F08114

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	979 (RD/LB)	Seat adjust switch, to, Front seat forward/rearward motor
3	980 (YE/WH)	Seat adjust switch, to, Front height motor
4	982 (YE/LG)	Seat adjust switch, to, Rear height motor
5	981 (RD/WH)	Seat adjust switch, to, Front height motor
6	983 (RD/LG)	Seat adjust switch, to, Rear height motor
7	566 (DG)	Hot at all times
8	990 (YE/LB)	Seat adjust switch, to, Front seat forward/rearward motor

C457

14086

M245
Liftgate lock actuator



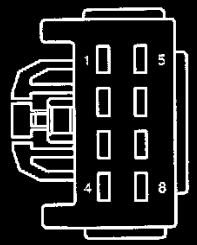
F02116

Pin	Circuit	Circuit function
1	118 (PK/OG)	Door lock, output
2	117 (PK/BK)	Door unlock, output

C504a

14A005

N447
Master window adjust switch (14529)



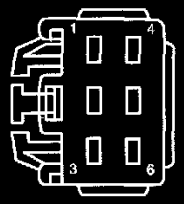
F08167

Pin	Circuit	Circuit function
1	–	not used
2	57 (BK)	Ground
3	313 (WH/YE)	Window switch, feed, right front, Up
4	314 (TN/LB)	Window switch, feed, right front, Down
5	–	not used
6	400 (LB/BK)	Accessory relay, switched power, output
7	991 (TN/LB)	Master window adjust switch (14529), feed, Down
8	992 (WH/BK)	Master window adjust switch (14529), feed, Up

C504b

14A005

N447
Master window adjust switch (14529)



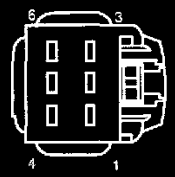
F06213

Pin	Circuit	Circuit function
1	–	not used
2	319 (YE/BK)	Window switch, feed, left rear, Down
3	320 (RD/BK)	Window switch, feed, right rear, Down
4	193 (YE/LG)	Window safety relay, switched output
5	316 (YE/LB)	Window switch, feed, left rear, Up
6	317 (GY/OG)	Window switch, feed, left rear, Down

C604

14A005

N105
Window adjust switch, passenger side



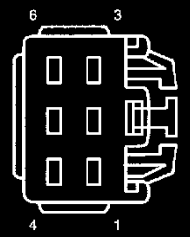
F06148

Pin	Circuit	Circuit function
1	313 (WH/YE)	Window switch, feed, right front, Up
2	334 (RD/YE)	Window motor, feed, Down
3	193 (YE/LG)	switched power
	400 (LB/BK)	switched power – Pickup, without crew cab
4	–	not used
5	333 (YE/RD)	Window motor, feed, Up
6	314 (TN/LB)	Window switch, feed, right front, Down

C701

14A005

N111
Window adjust
switch, left rear
(14A412)



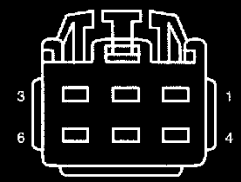
F06213

Pin	Circuit	Circuit function
1	317 (GY/OG)	Window switch, feed, left rear, Down
2	885 (YE/LB)	Window switch, to, Window motor, left rear
3	193 (YE/LG)	switched power
4	–	not used
5	884 (YE/BK)	Window switch, to, Window motor, left rear
6	316 (YE/LB)	Window switch, feed, left rear, Up

C801

14A005

N110
Window adjust
switch, right rear
(14A412)



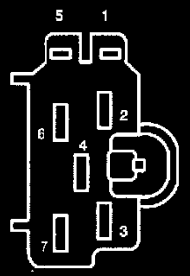
F06213

Pin	Circuit	Circuit function
1	319 (YE/BK)	Window switch, feed, right rear, Up
2	882 (BN/YE)	Window switch, to, Window motor, right rear
3	193 (YE/LG)	switched power
4	–	not used
5	881 (BN)	Window switch, to, Window motor, right rear
6	320 (RD/BK)	Window switch, feed, right rear, Down

C946

14334

N635
Power vent window switch, left



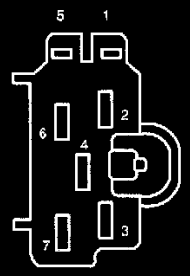
F07044

Pin	Circuit	Circuit function
1	57 (BK)	Illumination, Ground
2	57 (BK)	Ground
3	1158 (YE/LB)	Window motor
4	194 (PK)	Fused accessory relay
5	19 (LB/RD)	Illumination +
6	1159 (WH/LB)	Window motor
7	57 (BK)	Ground

C956

14334

N636
Power vent window switch, right



F07044

Pin	Circuit	Circuit function
1	57 (BK)	Illumination, Ground
2	57 (BK)	Ground
3	1156 (YE/RD)	Window motor
4	194 (PK)	Fused accessory relay
5	19 (LB/RD)	Illumination +
6	1157 (WH/RD)	Window motor
7	57 (BK)	Ground

C1068
12B637

B257
Differential pressure feedback EGR (DPFE) sensor (9J460)

F03071

Pin	Circuit	Circuit function
1	352 (BN/LG)	signal, Out
2	359 (GY/RD)	Sensor signal return (reference/ground)
3	351 (BN/WH)	Reference voltage

C1271 (Bk)
9D930

B279
Exhaust Back Pressure (EBP) sensor

F03120

Pin	Circuit	Circuit function
A	359 (GY/RD)	Sensor signal return (reference/ground)
B	351 (BN/WH)	Reference voltage
C	553 (VT/LB)	position sense

C947

14335

M287
Power vent window motor, left

Pin	Circuit	Circuit function
1	1159 (WH/LB)	Window switch
2	1158 (YE/LB)	Window switch

C948

14335

M288
Power vent window motor, right

Pin	Circuit	Circuit function
1	1156 (YE/RD)	Window switch
2	1157 (WH/RD)	Window switch

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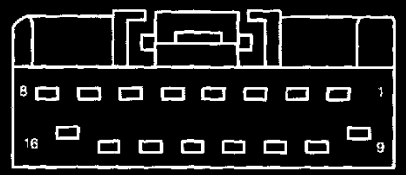
C290a

14401

A11
Radio (18806)



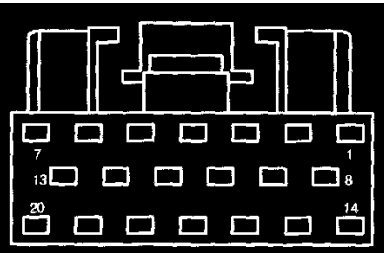
F16071

Pin	Circuit	Circuit function
1	19 (LB/RD)	Illumination +
2	57 (BK)	Instrument illumination, Ground
3	1000 (RD/BK)	Voltage supplied in Start (overload protected)
4	–	not used
5	802 (OG/RD)	Rear Integrated Control Panel (RICP) (19980) – Highline audio or Pickup
	825 (TN/OG)	Speaker, right rear (18808) – Base audio
6	803 (BN/PK)	Speaker, right rear (18808) –
7	805 (WH/LG)	Speaker, right front (18808) +
8	811 (DG/OG)	Speaker, right front (18808) –
9	797 (LG/VT)	Voltage supplied at all times (overload protected)
10	194 (PK)	Power, Accessory delay
11	694 (BK/LG)	Ground
12	800 (GY/LB)	Rear Integrated Control Panel (RICP) (19980) – Highline audio or Pickup
	827 (TN/WH)	Speaker, left rear (18808) – Base audio
13	801 (TN/YE)	Speaker, left rear (18808) –
14	804 (OG/LG)	Speaker, left front (18808) +
15	813 (LB/WH)	Speaker, left front (18808) –
16	694 (BK/LG)	Ground

C290b

14401

A11
Radio (18806)



F20023

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	1068 (LG/BK)	Audio System ON (ASYSON)
6	832 (LB/PK)	Audio corporate protocol A
7	833 (TN)	Audio corporate protocol B
8	–	not used
9	679 (GY/BK)	Vehicle Speed Sensor (VSS)
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	595 (LB/RD)	Auxiliary audio controls, steering wheel
15	–	not used
16	48	Drain wire
17	690 (GY)	Audio signal positive Right to Video System
	1561 (OG)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Right +
18	799 (OG/BK)	Audio signal negative Right to Video System
	1562 (YE)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Right –
19	856 (VT)	Audio signal positive Left to Video System
	1559 (RD)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Left +
20	798 (LG/RD)	Audio signal negative Left to Video System
	1560 (WH)	Rear Seat Entertainment (RSE) module, to, Radio (18806), Left –

C703
14A005

M116
Power window motor, left rear (23394)

F02457

Pin	Circuit	Circuit function
1	885 (YE/LB)	Window switch, to, Window motor, left rear
2	884 (YE/BK)	Window switch, to, Window motor, left rear

C803
14A005

M117
Power window motor, right rear (23394)

F02457

Pin	Circuit	Circuit function
1	882 (BN/YE)	Window switch, to, Window motor, right rear
2	881 (BN)	Window switch, to, Window motor, right rear

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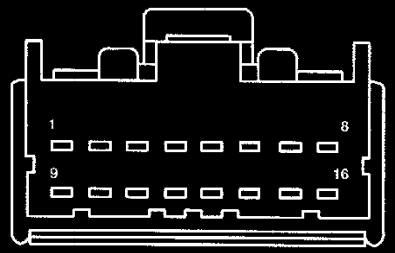
C349

14B079

P87
Rear Integrated
Control Panel
(RICP) (19980)



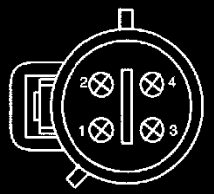
F16118

Pin	Circuit	Circuit function
1	825 (TN/LG)	Speaker, right rear (18808) +
2	802 (OG/RD)	Speaker, right rear (18808) +
3	803 (BN/PK)	Speaker, right rear (18808) –
4	–	not used
5	801 (TN/YE)	Speaker, left rear (18808) –
6	800 (GY/LB)	Speaker, left rear (18808) +
7	827 (TN/WH)	Speaker, left rear (18808) +
8	–	not used
9	1068 (LG/BK)	Audio System ON (ASYSON)
10	829 (WH/VT)	Voltage supplied at all times (overload protected)
11	694 (BK/LG)	Ground
12	832 (LB/PK)	Audio corporate protocol A
13	833 (TN)	Audio corporate protocol B
14	–	not used
15	57 (BK)	Illumination, Ground
16	19 (LB/RD)	Illumination +

C323

14B084

N317
Safety belt buckle
switch (10B924)



F04269

Pin	Circuit	Circuit function
1	–	not used
2	85 (BN/LB)	Safety belt buckle switch (10B924), input
3	57 (BK)	Ground
4	–	not used

C303
14A005

A226
Passenger safety belt retractor pretensioner

Pin	Circuit	Circuit function
1	1081 (YE/RD)	Passenger safety belt retractor pretensioner, feed
2	1082 (YE/BK)	Passenger safety belt retractor pretensioner, return

C3014
14A005

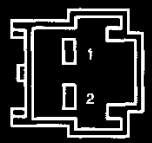
A225
Driver safety belt retractor pretensioner

Pin	Circuit	Circuit function
1	1079 (LG/RD)	Driver safety belt retractor pretensioner, feed
2	1080 (LG/BK)	Driver safety belt retractor pretensioner, return

C365

14A699

N31
Seat back heater,
left front



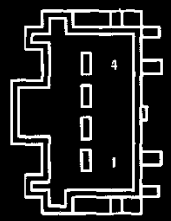
F02077

Pin	Circuit	Circuit function
1	1066 (GY/LB)	Heating element, feed
2	1067 (VT/LB)	Heating element, feed

C334

14B084

N30
Seat cushion heater,
right front



F04139

Pin	Circuit	Circuit function
1	1064 (YE/LB)	Heating element, feed
2	1060 (BK/LB)	Seat cushion heater, passenger side, Sensor, feed
3	1061 (BN/LB)	Seat cushion heater, passenger side, Sensor, return
4	1066 (GY/LB)	Heating element, return

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C335

14B084

N32
Seat back heater,
right front

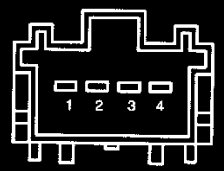
F02077

Pin	Circuit	Circuit function
1	1066 (GY/LB)	Heating element, feed
2	1067 (VT/LB)	Heating element, return

C364

14A699

N29
Seat cushion heater,
left front



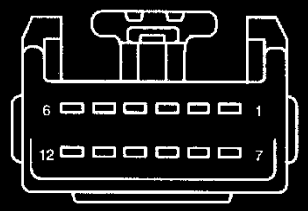
F04139

Pin	Circuit	Circuit function
1	1064 (YE/LB)	Heating element, feed
2	1060 (BK/LB)	Seat cushion heater, driver side, Sensor, feed
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1066 (GY/LB)	Heating element, return

C329

14B084

A223
Heated seat module, passenger side front



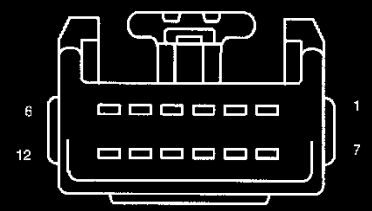
F12075

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	–	not used
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1060 (BK/LB)	Seat cushion heater, passenger side, Sensor, feed
5	295 (LB/PK)	Voltage in Run (overload protected)
6	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
7	1067 (VT/LB)	Seat back heater, passenger side, heater, return
8	1020 (DG/VT)	Climate controlled seat module
9	–	not used
10	461 (OG)	switch indicator control
11	–	not used
12	1153 (RD/BK)	Voltage supplied at all times (overload protected)

C359

14A699

A224
Heated seat module, driver side front



F12075

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	–	not used
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1060 (BK/LB)	Seat cushion heater, driver side, Sensor
5	295 (LB/PK)	Voltage in Run (overload protected)
6	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
7	1067 (VT/LB)	Seat back heater, driver side, heater, feed
8	1020 (DG/VT)	Seat heater switch, driver side, input
9	–	not used
10	461 (OG)	switch indicator control
11	–	not used
12	1153 (RD/BK)	Voltage supplied at all times (overload protected)

C320

14A699

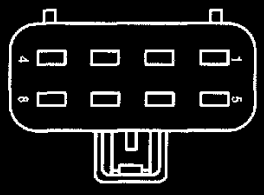
N274
Seat heater switch, driver side

Pin	Circuit	Circuit function
1	1020 (DG/VT)	Heated seat module, driver side front
2	57 (BK)	Ground
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	461 (OG)	Switch illumination
7	–	not used
8	–	not used

C321

14B084

N275
Seat heater switch, passenger side

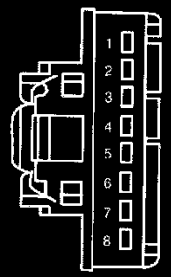


Pin	Circuit	Circuit function
1	1020 (DG/VT)	Safety belt assembly, left
2	57 (BK)	Ground
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	461 (OG)	Switch illumination
7	–	not used
8	–	not used

C503

14A005

N440
Memory set switch
(14776)



F08279

Pin	Circuit	Circuit function
1	272 (WH/OG)	Memory set switch (14776), Illumination, input
2	267 (BN/LG)	Memory seat switch, position, (1)
3	–	not used
4	–	not used
5	270 (BN/OG)	Memory set switch (14776)
6	268 (BK/OG)	Memory seat switch, position (2)
7	676 (PK/OG)	Ground
8	–	not used

C395

14A005

Y17
Speaker, left rear
(18808)

F02069

Pin	Circuit	Circuit function
1	800 (GY/LB)	Audio signal negative
	827 (TN/WH)	Audio signal negative
2	801 (TN/YE)	Audio signal positive

C702
14A005

Y17
Speaker, left rear (18808)

Pin	Circuit	Circuit function
1	800 (GY/LB)	Speaker, left rear (18808) +
2	801 (TN/YE)	Speaker, left rear (18808) –

C523
14A005

Y28
Speaker, left front (18808)

Pin	Circuit	Circuit function
1	804 (OG/LG)	Speaker, left front (18808) +
2	813 (LB/WH)	Speaker, left front (18808) –

C712
14A005

Y269
Speaker, left middle

Pin	Circuit	Circuit function
1	827 (TN/WH)	Speaker, left rear (18808) +
2	801 (TN/YE)	Speaker, left rear (18808) –

C396
14A005

Y19
Speaker, right rear (18808)

Pin	Circuit	Circuit function
1	802 (OG/RD)	Audio signal negative
2	825 (TN/LG)	Audio signal negative
	803 (BN/PK)	Audio signal positive

C802
14A005

Y19
Speaker, right rear
(18808)

Pin	Circuit	Circuit function
1	802 (OG/RD)	Speaker, right rear (18808) +
2	803 (BN/PK)	Speaker, right rear (18808) –

C612 (PK)
14A005

Y18
Speaker, right front
(18808)

Pin	Circuit	Circuit function
1	805 (WH/LG)	Speaker, right front (18808) +
2	811 (DG/OG)	Speaker, right front (18808) –

C813
14A005

Y271
Speaker, right middle

Pin	Circuit	Circuit function
1	825 (TN/LG)	Speaker, right rear (18808) +
2	803 (BN/PK)	Speaker, right rear (18808) –

C197a
14B060
14300

M8
Starter motor (11002)

Pin	Circuit	Circuit function
1	113 (YE/LB)	Starter motor (11002), to, Starter relay (11450)

C197b

14B060
14300

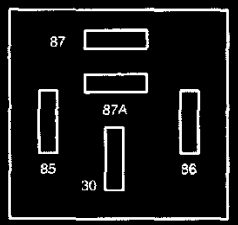
M8
Starter motor
(11002)

F01185

Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C2163

K22
Starter relay (11450)



F05129

Pin	Circuit	Circuit function
30	2037 (RD)	Fused battery feed
85	57 (BK)	Ground
86	1093 (TN/RD)	Voltage supplied with park/neutral
87	113 (YE/LB)	to starter solenoid
87A	–	not used

C3157
12614

Y279
Air tank moisture removal valve

F02072

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	423 (VT/LG)	switched power

C3156
12614

B286
Air tank pressure sensor

F04263

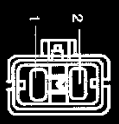
Pin	Circuit	Circuit Function
1	428 (OG/BK)	Sensor signal +
2	427 (PK/BK)	Sensor signal
3	–	not used
4	429 (VT/LG)	Sensor signal return (reference/ground)

C3158
12614
Y280
Air tank valve

F02373

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	424 (TN)	switched power

C1179
12614
A305
Air suspension compressor assembly

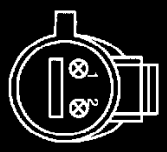


F02499

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	420 (DB/YE)	Fused accessory relay

C4044
12614

Y117
Shock absorber solenoid valve, left rear (5AB91)



F02373

Pin	Circuit	Circuit Function
1	415 (LG/OG)	switched power
2	57 (BK)	Ground

C4045
12614

Y118
Shock absorber solenoid valve, right rear (5AB91)

F02373

Pin	Circuit	Circuit Function
1	414 (OG/RD)	switched power
2	57 (BK)	Ground

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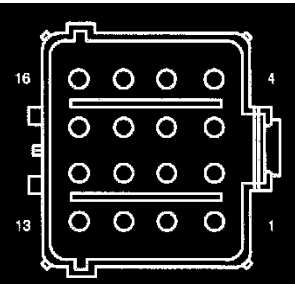
C4145

12614

A304
Air suspension module (3C142)



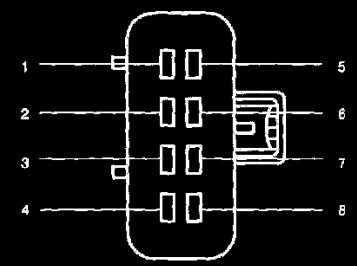
F16020

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	418 (DG/YE)	Battery voltage, hot in Run only
3	417 (VT/OG)	Air suspension switch, rear, On/Off signal
4	424 (TN)	Air tank valve, control
5	–	not used
6	423 (VT/LG)	Air tank moisture removal valve, control
7	416 (LB/BK)	Air suspension compressor relay, control
8	414 (OG/RD)	Shock absorber solenoid valve, right rear (5A891), control
9	427 (PK/BK)	Air tank pressure sensor, monitor
10	419 (DG/LG)	Air Suspension, indicator
11	415 (LG/OG)	Shock absorber solenoid valve, left rear (5A891), Autolamp relay
12	–	not used
13	428 (OG/BK)	Battery voltage, to, Air tank pressure sensor
14	429 (VT/LG)	Sensor signal return (reference/ground)
15	693 (OG)	UBP Diagnostics
16	635 (YE)	Air Suspension, switch, indicator

C2181

14401

N619
Air suspension switch, rear



F08060

Pin	Circuit	Circuit Function
1	418 (DG/YE)	Battery voltage, hot in Run only
2	417 (VT/OG)	switched power
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	635 (YE)	indicator, illumination
7	–	not used
8	19 (LB/RD)	Switch illumination

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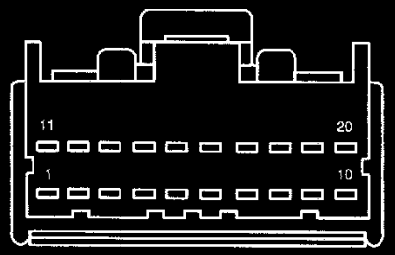
C3077a

14B079

A267
Rear Seat Entertainment (RSE) module



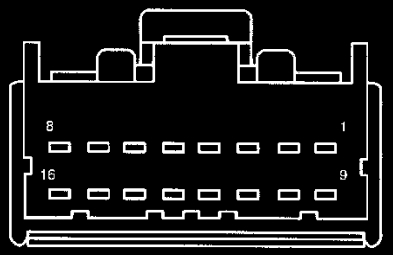
F20060

Pin	Circuit	Circuit function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	47 (LB/WH)	VCP video + input
7	99 (LG/BK)	Audio signal positive, Left
8	891 (RD/BK)	Audio signal positive, Right
9	1807 (WH)	VCP video + output
10	1802 (DG)	Rear Seat Entertainment (RSE) module
11	1559 (RD)	Audio signal positive, Left
12	1560 (WH)	Audio signal negative, Left
13	1561 (OG)	Audio signal positive, Right
14	1562 (YE)	Audio signal negative, Right
15	48	audio Drain wire
16	48	VCP Drain wire
17	76 (LG/WH)	Audio signal negative, Drain wire, Left
18	1402 (RD/WH)	Audio signal negative, Drain wire, Right
19	1808 (BK)	VCP, video – output
20	48	Drain wire

C3077b

14B079

A267
Rear Seat Entertainment (RSE) module



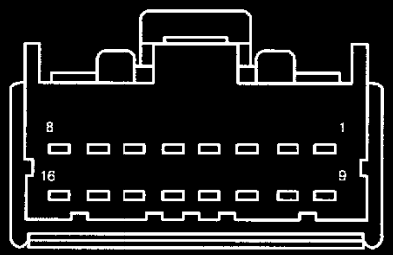
F16119

Pin	Circuit	Circuit function
1	694 (BK/LG)	Power ground
2	827 (TN/WH)	Speaker, left rear (18808) + output
3	800 (GY/LB)	Speaker, left rear (18808) +
4	801 (TN/YE)	Speaker, left rear (18808) –
5	694 (BK/LG)	Ground
6	803 (BN/PK)	Speaker, right rear (18808) –
7	802 (OG/RD)	Speaker, right rear (18808) +
8	825 (TN/LG)	Speaker, right rear (18808) + output
9	19 (LB/RD)	Illumination +
10	57 (BK)	Illumination –
11	–	not used
12	832 (LB/PK)	Audio corporate protocol (A)
13	833 (TN)	Audio corporate protocol (B)
14	694 (BK/LG)	Power ground
15	829 (WH/VT)	Battery voltage
16	1068 (LG/BK)	Audio System ON (ASYSON)

C960

14335

A269
Video display



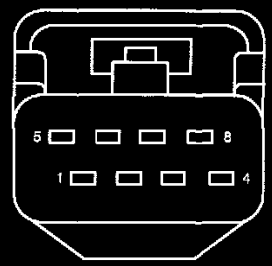
F16119

Pin	Circuit	Circuit function
1	1563 (LG)	Accessory delay
2	694 (BK/LG)	Ground
3	1807 (WH)	VCP video +
4	1808 (BK)	VCP video Drain wire
5	99 (LG/BK)	Audio signal positive, Left
6	76 (LG/WH)	Blue, Drain wire, Left
7	891 (RD/BK)	Audio signal positive, Right
8	1402 (RD/WH)	Audio signal negative, Drain wire, Right
9	1540 (DG)	VCP IR data +
10	1541 (DB)	VCP IR data –
11	48	VCP video, Drain wire
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used

C2114

14401

N332
Traction assist/Parking aid disable switch



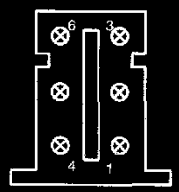
F08159

Pin	Circuit	Circuit Function
1	112 (PK/YE)	common
2	1107 (WH)	Solenoid #1, control
3	1108 (TN/WH)	Solenoid #2, control
4	1109 (OG/BK)	Solenoid #3, control
5	1110 (LG/VT)	Solenoid #4, control
6	1111 (VT)	Solenoid #5, control
7	–	not used
8	–	not used

C2142

14401

A438
Trailer electronic brake control connector



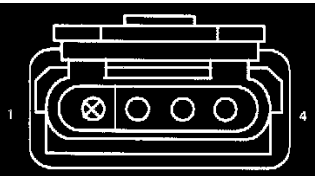
F06138

Pin	Circuit	Circuit function
1	–	not used
2	14 (BN)	Power, Exterior lamps
3	206 (WH)	Trailer tow connector (15A416), Ground
4	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
5	511 (LG)	Brake pedal position switch (13480), to stoplamps
6	43 (DB)	Electric trailer brakes

C4098

13A576

E258
Trailer tow connector, 4–pin



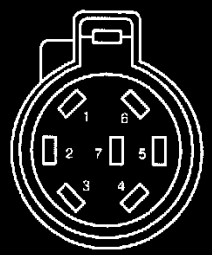
F04211

Pin	Circuit	Circuit function
1	206 (WH)	Trailer tow connector (15A416), Ground
2	962 (BN/WH)	Trailer tow relay, switched output
3	52 (YE)	Turn lamps, feed, left rear
4	64 (DG)	Turn lamps, feed, right rear

C4099

13A576

E259
Trailer tow connector, 7-pin



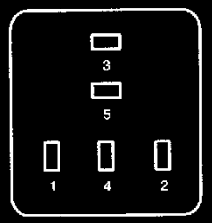
F07074

Pin	Circuit	Circuit function
1	52 (YE)	Turn lamps, feed, left rear
2	206 (WH)	Trailer tow connector (15A416), Ground
3	43 (DB)	Electric trailer brakes
4	64 (DG)	Turn lamps, feed, right rear
5	49 (OG)	Voltage in Run (overload protected)
6	962 (BN/WH)	Trailer tow relay, switched output
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps

C1187

12A581

K352
Trailer tow relay, right turn



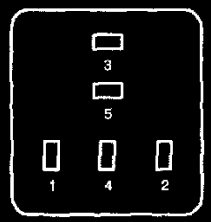
F05139

Pin	Circuit	Circuit function
1	5 (OG/LB)	Relay, control
2	57 (BK)	Ground
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	–	not used
5	64 (DG)	Wire insulation is one color, Turn signal

C1188

12A581

K353
Trailer tow relay, left turn

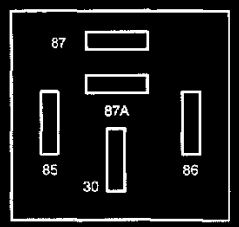


F05139

Pin	Circuit	Circuit function
1	9 (LG/OG)	Relay, control
2	57 (BK)	Ground
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	–	not used
5	52 (YE)	Trailer lamp socket, Turn signal

C2110

K355
Trailer tow relay, battery charge



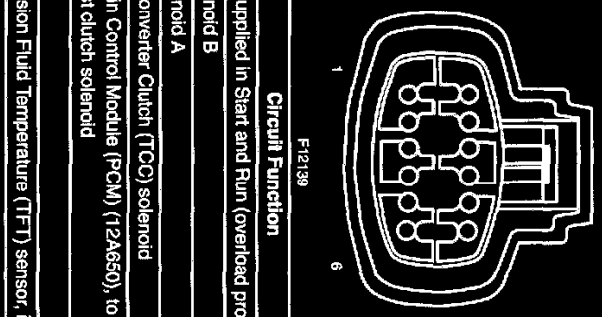
F05129

Pin	Circuit	Circuit function
30	–	Voltage supplied at all times (overload protected)
85	–	Ground
86	–	Voltage, hot in run only
87	49 (OG)	Trailer battery charge
87A	–	not used

C168

15525

A120
Automatic transmission module (TG422)



Pin	Circuit	Circuit Function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	315 (VT/OG)	Shift solenoid B
3	237 (OG/YE)	Shift solenoid A
4	480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
5	924 (BN/OG)	Powertrain Control Module (PCM) (12A650), to transmission coast clutch solenoid
6	–	not used
7	923 (BN/OG)	Transmission Fluid Temperature (TFT) sensor, input
8	359 (GY/RD)	Voltage supplied in Start and Run (overload protected)
9	–	not used
10	–	not used
11	925 (WH/YE)	Injector pressure sensor, input
12	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)

C193

15525

B110
Output Shaft Speed (OSS) sensor (7M101)

Pin	Circuit	Circuit Function
1	136 (DB/YE)	Powertrain Control Module (PCM) (12A650) – Output Shaft Speed (OSS) sensor (7M101) signal, return
2	359 (GY/RD)	

C143

15525

B44
Turbine shaft speed sensor (7M101)

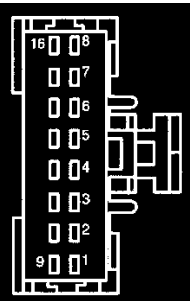
F02031

Pin	Circuit	Circuit Function
1	970 (DG/WH)	Turbine shaft speed sensor (7M101)
2	359 (GY/RD)	signal, return

C945

14334

A37
Trip Computer Module (10D898)



F16137

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	470 (PK/BK)	Sensor signal return (reference/ground), Temperature
3	29 (YE/WH)	Fuel tank sender
4	70 (LB/WH)	ISO Bus
5	679 (GY/BK)	Vehicle Speed Sensor (VSS)
6	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
7	295 (LB/PK)	Voltage in Run (overload protected)
8	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
9	19 (LB/RD)	Instrument illumination
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used

C4035

13A409

E242
Park/stop/turn lamp, left rear

F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C4032

13A409

E243
Park/stop/turn lamp, right rear

F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OG/LB)	Turn lamps, feed, right rear

C1023

12A581

E164
Park/turn lamp, left front (13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LG/WH)	Turn lamps, feed, left front

C1043

12A581

E166
Park/turn lamp, right front (13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	2 (WH/LB)	Turn lamps, feed, right front

C1023

12A581

E164
Park/turn lamp, left front (13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LG/WH)	Turn lamps, feed, left front

C1043

12A581

E166
Park/turn lamp, right front (13411)

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	2 (WH/LB)	Turn lamps, feed, right front

C4032

13A409

E243
Park/stop/turn lamp, right rear

F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OG/LB)	Turn lamps, feed, right rear

C4035

13A409

E242
Park/stop/turn lamp, left rear

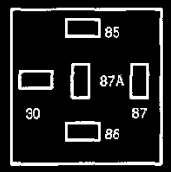
F03099

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C2047

14401

K2
Indicator flasher
relay (13350)



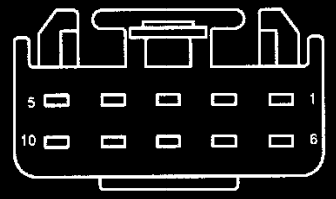
F05129

Pin	Circuit	Circuit function
30	295 (LB/PK)	electronic cluster, Accessory, feed
85	10 (LG/RD)	Voltage supplied at all times (overload protected)
87A	385 (WH/RD)	Voltage supplied at all times (overload protected)
87	44 (LB)	Turn signal flasher, to turn signal switch
86	57 (BK)	Ground

C202a

14401

N442
Multifunction switch



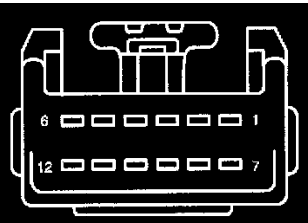
F10042

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Turn signal flasher to turn signal switch
4	–	not used
5	–	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	–	not used

C202b

14401

N442
Multifunction switch



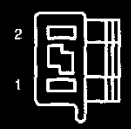
F12075

Pin	Circuit	Circuit function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield washer pump motor (17618)
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly

C1159

12A581

E27
Engine compartment lamp



F02071

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	54 (LG/YE)	Battery saver relay, switched power, output

C1119
12A581

M276
Vacuum pump motor

Diesel only

Pin	Circuit	Circuit function
1	–	not used
2	57 (BK)	Ground
3	–	not used
4	295 (LB/PK)	Voltage, hot in run only

C907
17C712

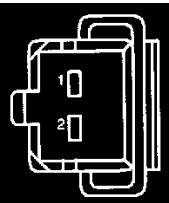
E90
Vanity mirror lamp, left (041100)

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched power, output
2	57 (BK)	Ground

C906

17C712

E31
Vanity mirror lamp, right (04100)



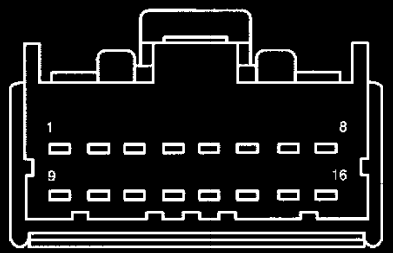
F02217

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched power, output
2	57 (BK)	Ground

C3076

14B079

A270
Video cassette player



F16119

Pin	Circuit	Circuit function
1	1564 (RD)	Accessory delay
2	–	not used
3	–	not used
4	1802 (DG)	audio Switch illumination
5	1540 (DG)	VCP IR data +
6	99 (LG/BK)	Audio signal positive, Left
7	891 (RD/BK)	Audio signal positive, Right
8	47 (LB/WH)	VCP video +
9	–	not used
10	–	not used
11	–	not used
12	1541 (DB)	VCP IR data –
13	694 (BK/LG)	Ground
14	1402 (RD/WH)	Audio signal negative, Drain wire, Right
15	76 (LG/WH)	Audio signal negative, Drain wire, Left
16	48	VCP video Drain wire

C1246 (GN)
9D930
Y251
Waste gate solenoid

Pin	Circuit	Circuit function
1	1275 (WH/RD)	Switched ground
2	16 (RD/LG)	Voltage, ignition switch in Start or Run (not overload protected)

C150 (BK)
12A581
B15
Wheel speed sensor, left front (2C205)

Pin	Circuit	Circuit function
1	522 (TN/BK)	Wheel speed sensor, left front (2C205) –
2	521 (TN/OG)	Wheel speed sensor, left front (2C205) +

C160 (BK)
12A581

B14
Wheel speed sensor, right front (2C204)

F020085

Pin	Circuit	Circuit function
1	516 (YE/BK)	Wheel speed sensor, right front (2C204) –
2	514 (YE/RD)	Wheel speed sensor, right front (2C204) +

C137
12A581

M112
Windshield washer pump motor (17618)

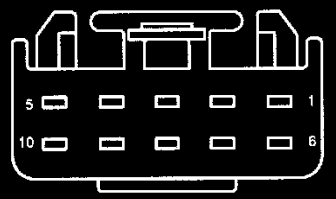
F020091

Pin	Circuit	Circuit function
1	941 (BK/WH)	Windshield washer pump motor (17618), feed
2	57 (BK)	Ground – Pickup
	946 (VT/LG)	Windshield washer pump motor (17618) – Excursion

C202a

14401

N442
Multifunction switch



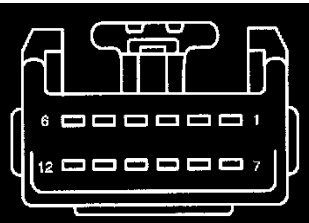
F10042

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Turn signal flasher to turn signal switch
4	–	not used
5	–	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	–	not used

C202b

14401

N442
Multifunction switch



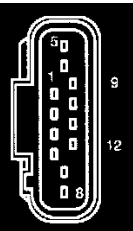
F12075

Pin	Circuit	Circuit function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield washer pump motor (17618)
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly

C125

12A581

M111
Windshield wiper motor (17508)

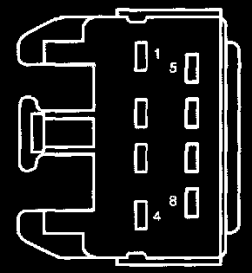


Pin	Circuit	Circuit function
1	61 (YE/RD)	Wiper motor relay, high/low, input
2	–	not used
3	676 (PK/OG)	logic ground
4	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
5	65 (DG)	Voltage supplied at all times (overload protected)
6	57 (BK)	Ground
7	941 (BK/WH)	Windshield washer pump motor (17618) – Pickup
	946 (VT/LG)	Windshield washer pump motor (17618) – Excursion
8	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
9	63 (RD)	Wiper switch circuit
10	56 (DB/OG)	Wiper high/low relay, switched power, output, High
11	58 (WH)	Wiper switch circuit
12	589 (OG)	Wiper/washer switch, wiper speed circuit

C476

14086

M218
Rear wiper motor assembly



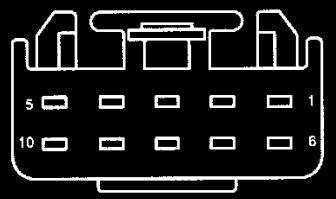
F08137

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	57 (BK)	Ground
3	297 (BK/LG)	Voltage in Run or Accessory (overload protected)
4	406 (BN/WH)	Voltage supplied at all times (overload protected)
5	941 (BK/WH)	Rear washer switch circuit
6	993 (BN/WH)	Switched ground
7	1300 (VT)	Switched ground
8	–	not used

C202a

14401

N442
Multifunction switch



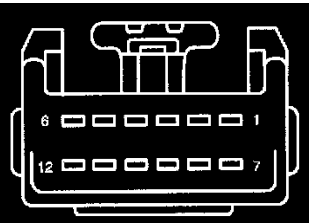
F10042

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Turn signal flasher to turn signal switch
4	–	not used
5	–	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	–	not used

C202b

14401

N442
Multifunction switch



F12075

Pin	Circuit	Circuit function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield washer pump motor (17618)
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly