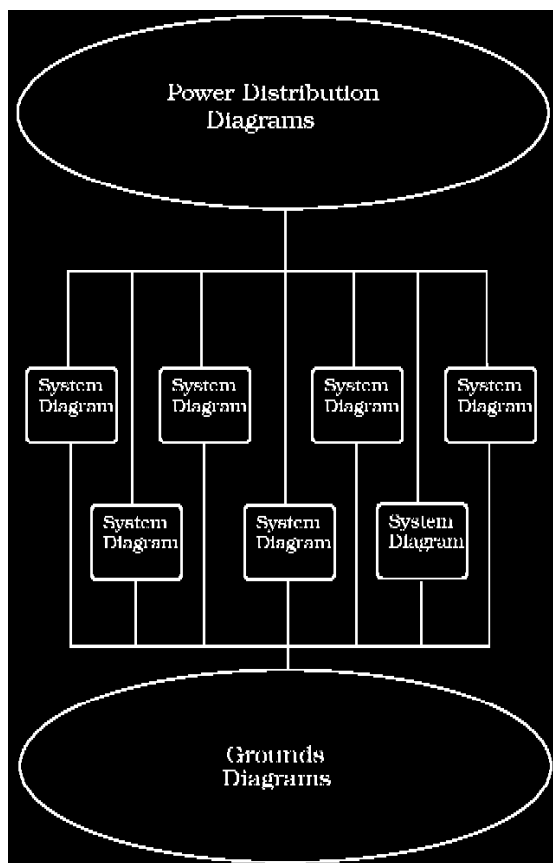


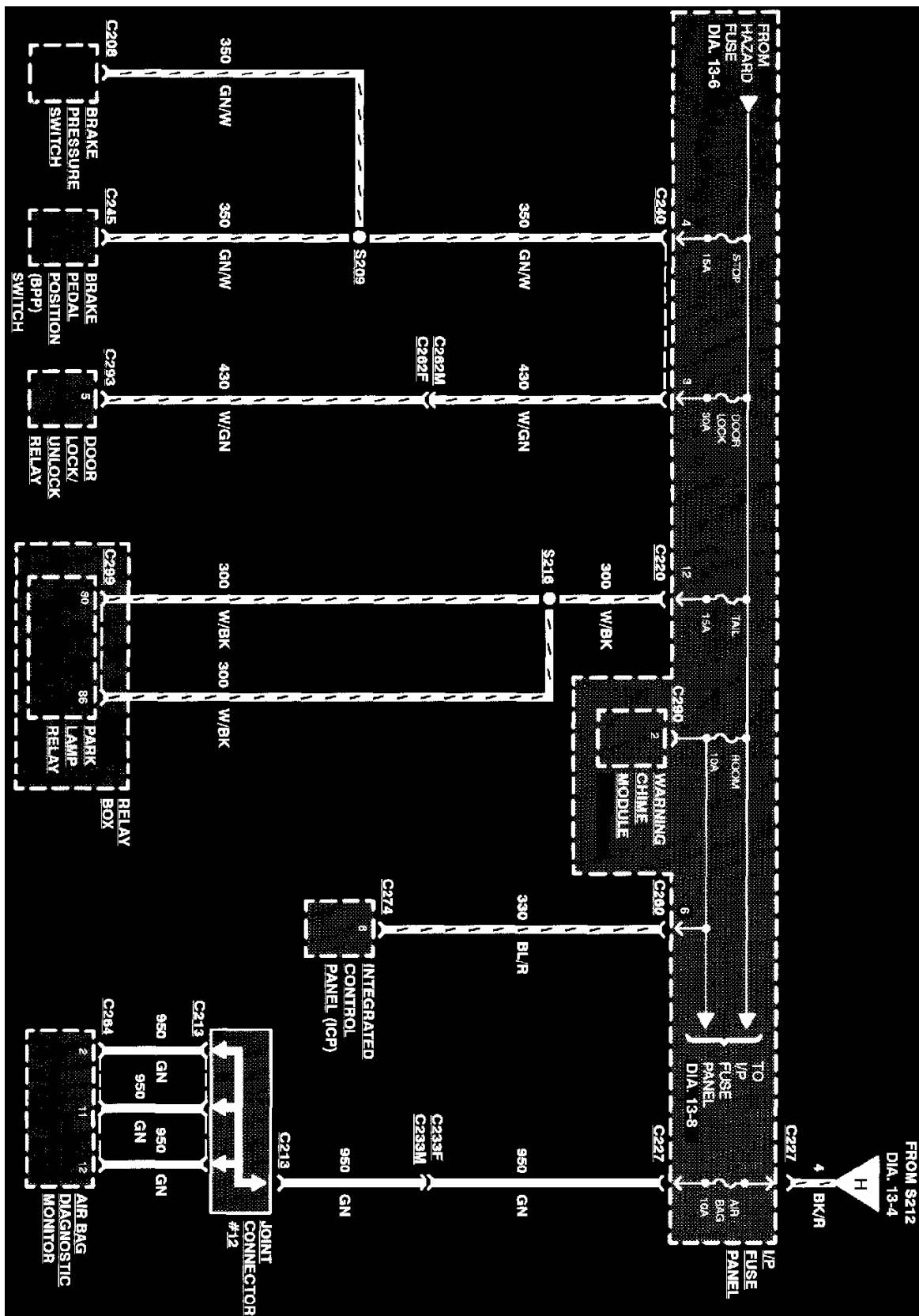
Vehicle: Diagrams

How to Find and Use These Diagrams



Diagrams are presented in three main categories:

- ^ Power Distribution Diagrams
- ^ System Diagrams
- ^ Grounds Diagrams

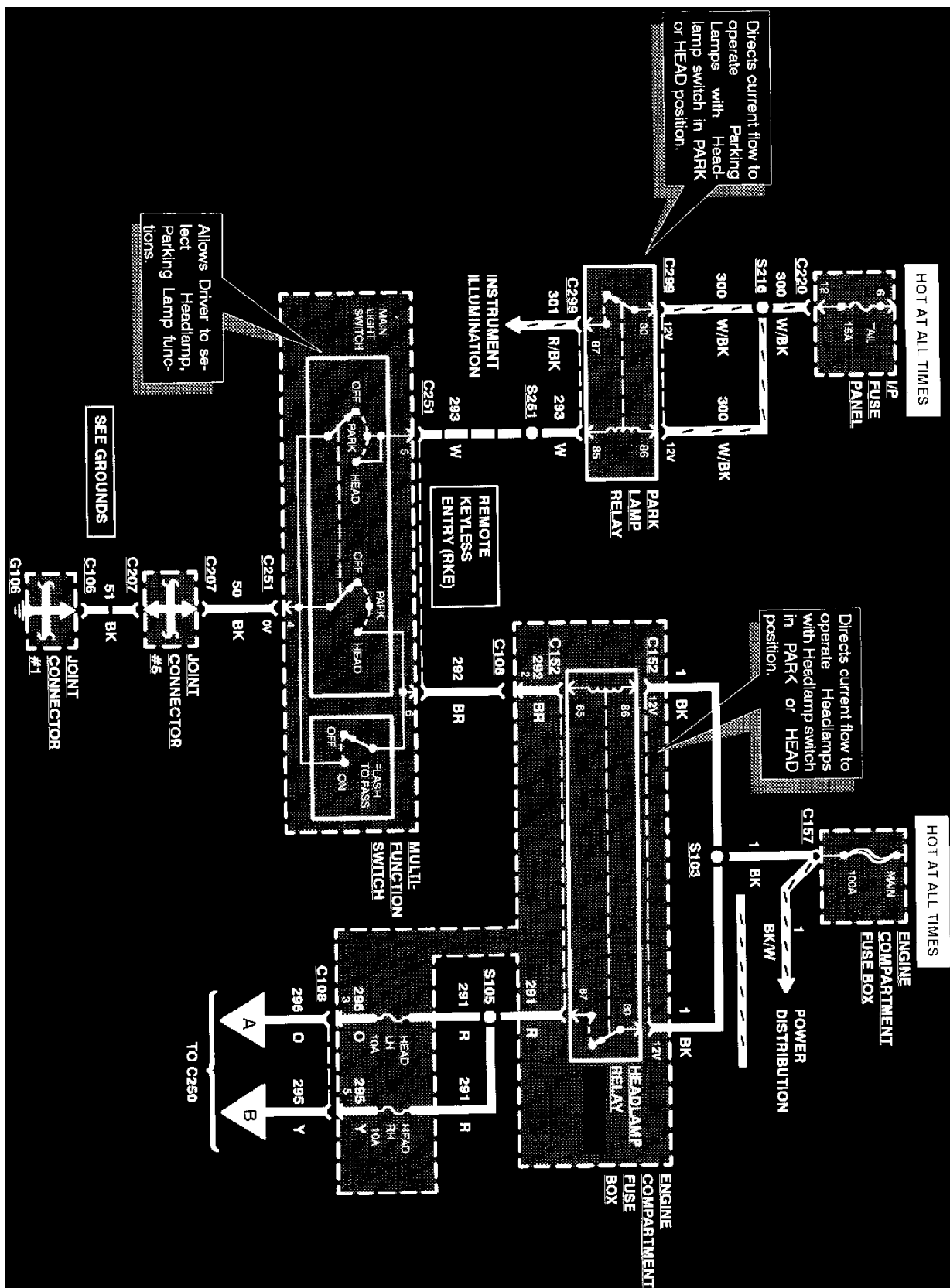


Sample Power Distribution Diagram

Power Distribution Diagrams

Provide the circuit details of how the system diagrams are powered. The power distribution source is shown at the top of a diagram page. All wires, connectors, and splices are shown in the same manner that the current flows, ending at the component/system being powered near the bottom of a diagram page. Circuits that go from one diagram page to another will be marked with large arrow heads.

The power distribution diagrams can be found at Starting and Charging/Power and Ground Distribution.



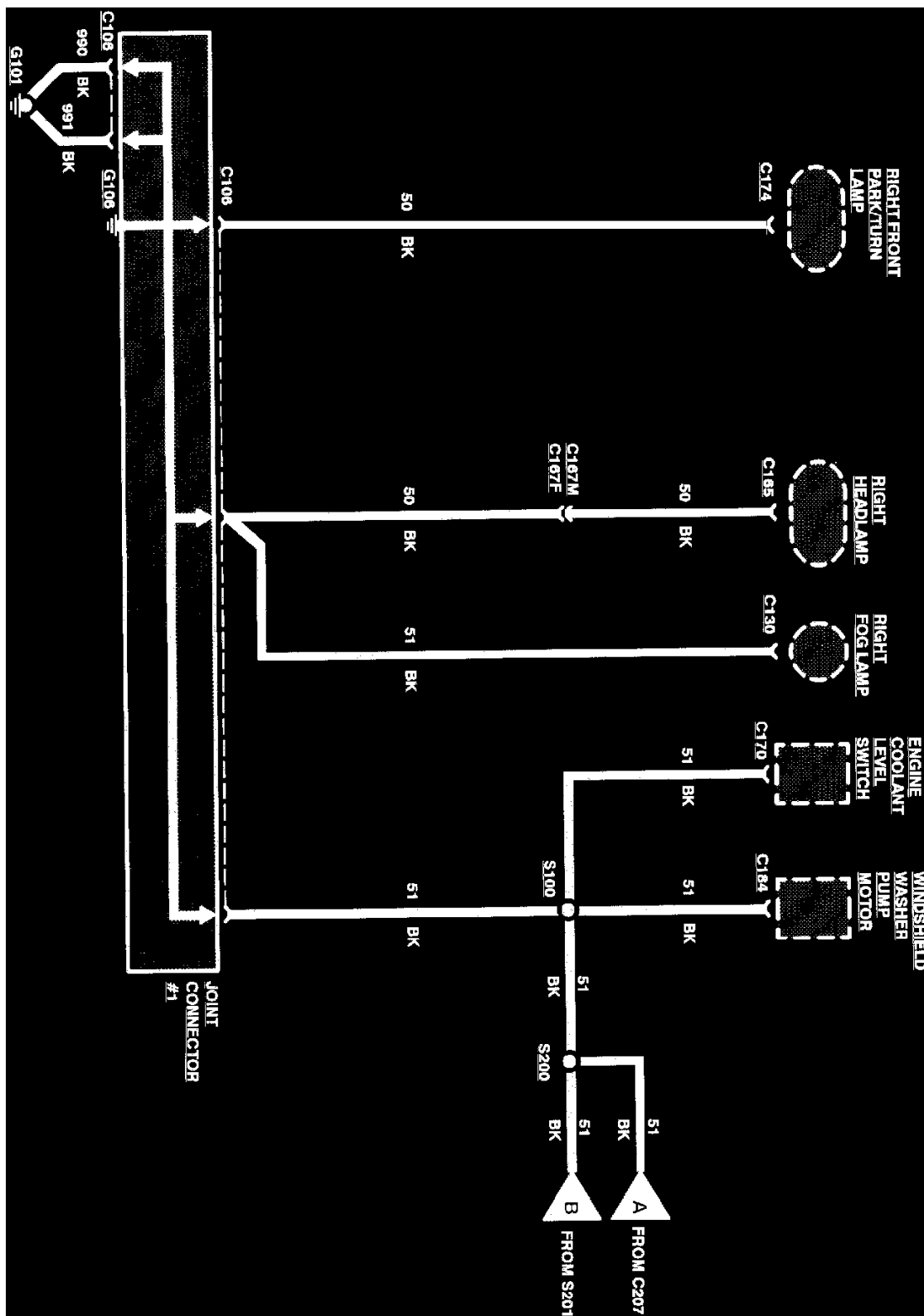
Sample System Diagram

System Diagrams

Components that work together are shown together in a system/subsystem diagram or set of diagrams. The system feed (circuit breaker, fuse, etc.) is shown at the top of a diagram page. All wires, connectors, components, and splices are shown in the same manner that the current flows, ending at the ground at the bottom of a diagram page. Circuits that go from one diagram page to another will be marked with large arrow heads.

The system diagrams can be found at the specific Alldata System/SubSystem that they are most closely related to, such as Cruise Control, Powertrain

Management, Radio/Stereo, etc.



Sample Grounds Diagram

Grounds Diagrams

Provide the circuit details of how the system diagrams are grounded. This information is useful for checking interconnections of the grounding circuits of different systems. The components/systems being grounded are shown at the top of a diagram page. All wires, connectors, and splices are shown in the same manner that the current flows, ending at the ground at the bottom of a diagram page. Circuits that go from one diagram page to another will be marked with large arrow heads.

The grounds diagrams can be found at Starting and Charging/Power and Ground Distribution.

ELECTRICAL SYMBOLS



DASHED COMPONENT BOX
ONLY PART OF THE COMPONENT IS SHOWN ON THE PAGE; THE COMPONENT IS SHOWN COMPLETE IN ANOTHER LOCATION



COMPONENT WITH CONNECTORS



BATTERY



SCREW TERMINAL ON COMPONENT

SOLID STATE

SEALED ELECTRONIC COMPONENT ANY CIRCUITRY SHOWN INSIDE THE BOX IS A FUNCTIONAL EQUIVALENT ONLY AND IS NOT EXACT



GROUND CONNECTION



FUSE
CURRENT RATING



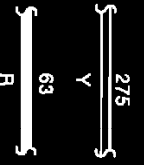
FUSIBLE LINK
WIRE SIZE AND COLOR



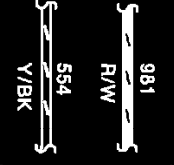
FUSIBLE LINK CARTRIDGE
CURRENT RATING



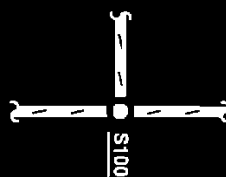
CIRCUIT BREAKER
CURRENT RATING



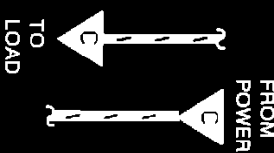
SOLID WIRES



STRIPED WIRES



SPLICE OR CRIMP TERMINAL



"CUT" WIRES REFERENCED BETWEEN PAGES
ARROWS SHOW CURRENT FLOW FROM POWER TO GROUND



"REFERENCE" WIRES COMPLETE WIRING SHOWN ON ANOTHER PAGE

AUTOMATIC TRANSAXLE

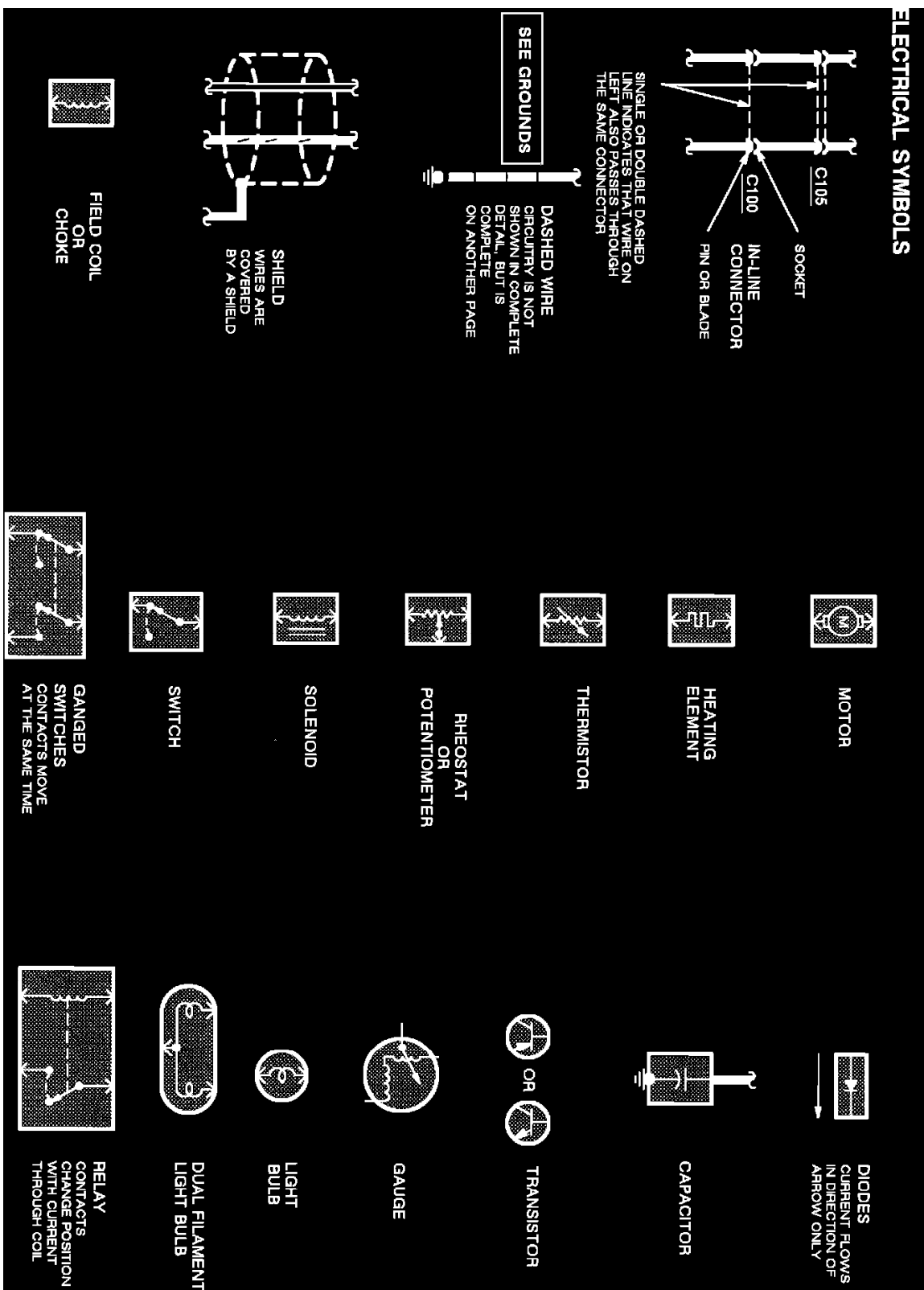
MANUAL TRANSAXLE

ALTERNATE CIRCUIT PATHS



C305

Electrical Symbols



Electrical Symbols

Wire Color Code Identification

- BK:** Black
- BL:** Blue
- BR:** Brown
- DB:** Dark Blue
- DG:** Dark Green
- GY:** Gray
- GN:** Green
- LB:** Light Blue

LG: Light Green

PK: Pink

O: Orange

P: Purple

R: Red

T: Tan

V: Violet

W: White

Y: Yellow

Where two colors are shown for a wire, first is basic color and second is stripe marking (tracer).

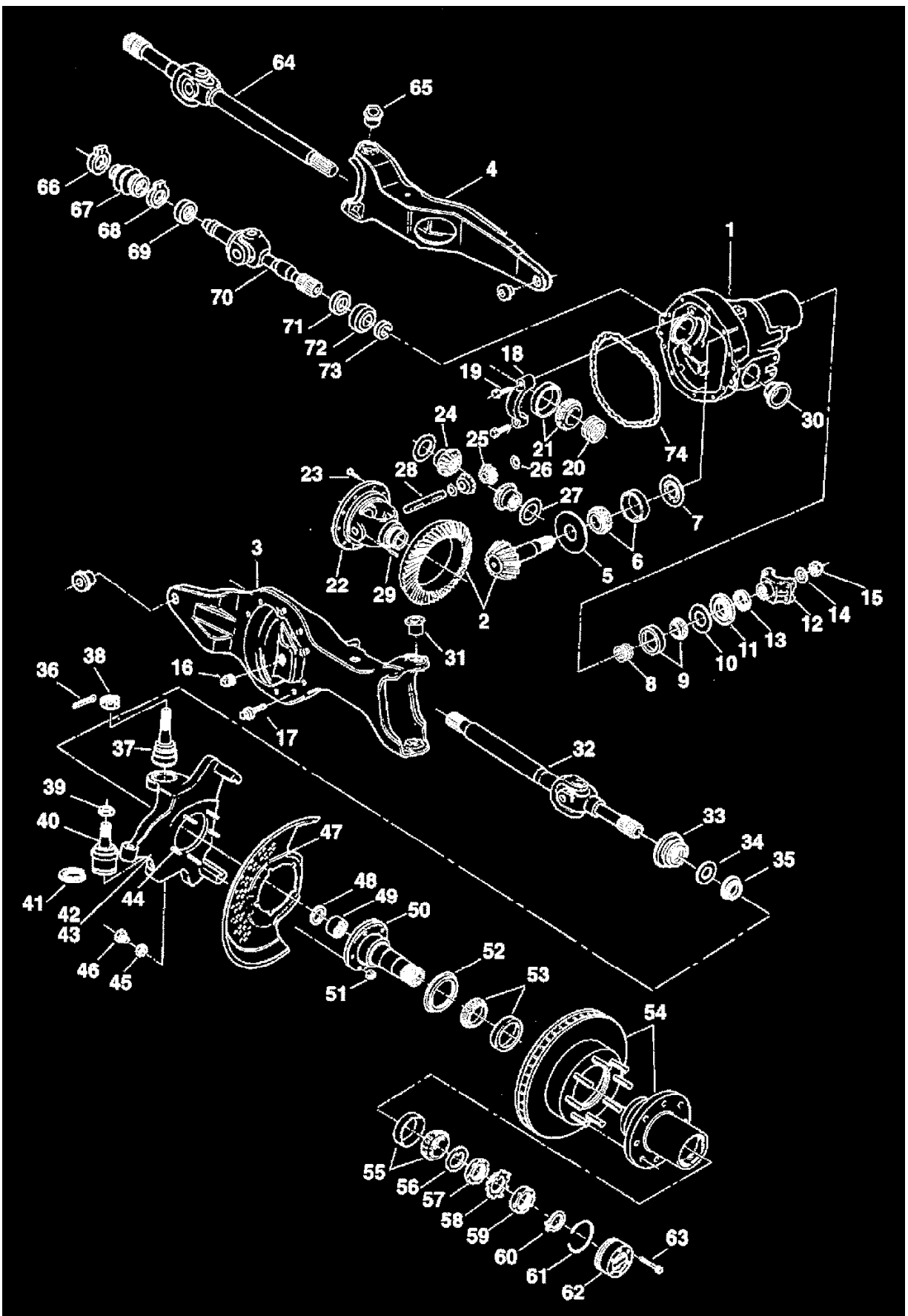
For example, **BR/O** is brown with orange stripe.

Axle Shaft

Dana 44/216 IFS

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
1	Housing – Axle Service	35	Spacer – Wheel Bearing Spindle
2	Ring Gear & Pinion Kit	36	Pin – Cotter
3	LH Support Arm Assembly	37	Socket – Upper
4	RH Support Arm Assembly	38	Nut – Upper
5	Slinger Shim – Pinion Bearing Inner	39	Nut – Lower
6	Inner Pinion Bearing Kit	40	Socket – Lower
7	Baffle – Pinion Bearing	41	Snap Ring
8	Outer Pinion Adj Shims	42	Right Knuckle
9	Outer Pinion Bearing Kit	43	Left Knuckle
10	Slinger – Outer Pinion	44	Bolt – Hex
11	Seal – Pinion Oil	45	Nut
12	End Yoke or Assembly (inc 13)	46	Screw – Stop
13	Slinger – End Yoke	47	Dust Shield
14	Washer – Pinion Nut	48	Seal – Needle Bearing
15	Nut – Pinion	49	Needle Bearing – Spindle
16	Plug – Oil Fill	50	Spindle
17	Bolt – Carrier	51	Nut – Lock (qty 10)
18	Cap – Diff Bearing	52	Seal – Oil
19	Screw – Diff Bearing Cap	53	Inner Wheel Bearing
20	KIT – Diff Brg Adj Shim	54	Hub & Rotor
21	Diff Bearing Kit	55	Outer Wheel Bearing
22	Case – Differential	56	Nut & Pin Assembly
23	Bolt – Drive Gear	57	Lockwasher
24	Gear – Differential (STD)	58	Spindle Nut
25	Pinion – Differential (STD)	59	Axle Shaft Retainer
26	Thrustwasher-Diff Pinion (STD & T/L)	60	Snap Ring
27	Thrustwasher – Diff Gear (STD)	61	Snap Ring
28	Shaft – Differential (STD & T/L)	62	Snap Ring
29	Lock-Differential Shaft (STD & T/L)	63	Hub Lock
30	Seal – Oil	64	Screw – Socket Head (Hub Lok)
31	Camber Bushing (LH)	65	Camber Bushing (RH)
32	Shaft & Joint Assembly	66	Clamp – Keystone
33	Slinger	67	Boot – Rubber
34	Seal – Oil	68	Clamp – Keystone

ITEM NO.	DESCRIPTION
69	Oil Seal
70	Shaft & Slip Yoke Assembly
71	Seal – Oil
72	Bearing
73	Snap Ring
	The following two parts were used in vehicles 1982 or earlier.
N.I.	Retainer – Oil Seal
N.I.	Retainer – Brg Ring
76	Gear – Differential (T/L)
77	Pinion – Differential (T/L)
78	Disc – Differential
79	Plate – Differential
80	Plate – Differential Pressure
81	Clip – Diff Clutch Retainer
82	Gasket
83	RTV Silicone Sealant
84	Wheel Brg Retainer Assy
N.I.	Washer Pkg.
N.I.	Sensor Housing Kit (ABS Only)
87	Snap Ring Style Trac-Loc

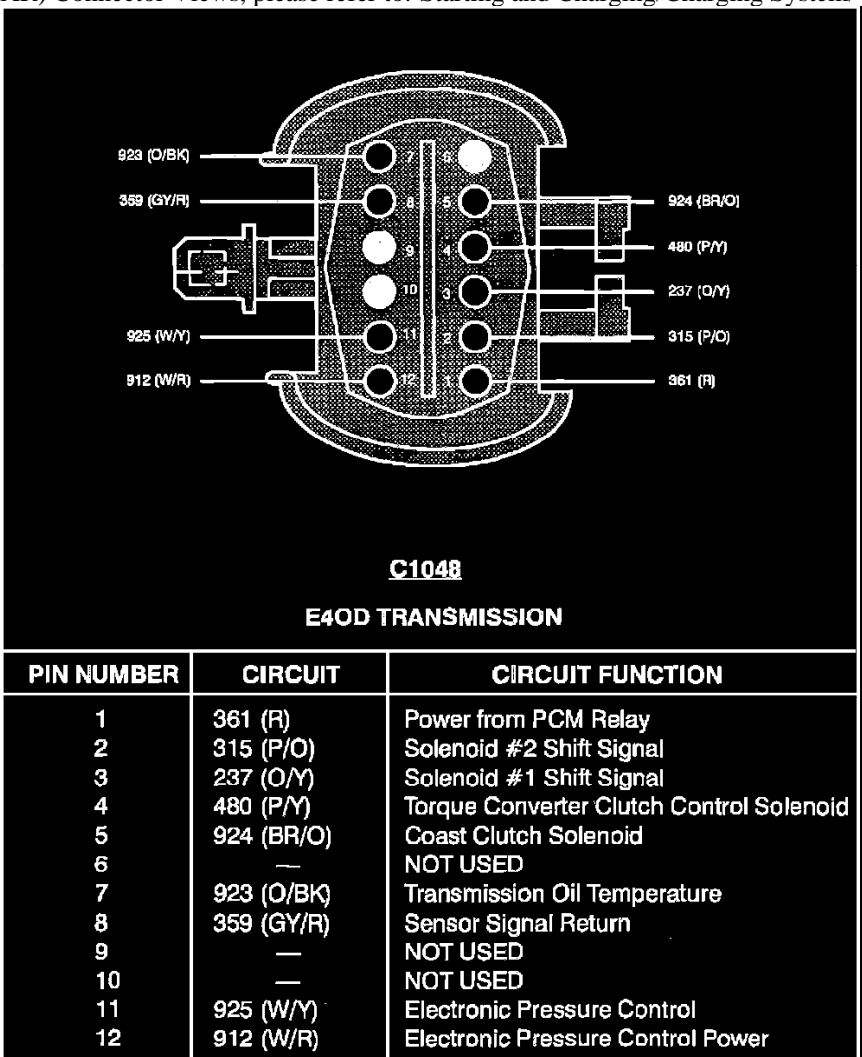


ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
1	Bushing - Axle Spindle	32	Lock Shaft & Joint Assembly
2	Drive Pinion & Gear Idl	33	Shim
3	Idl Support Arm Assembly	34	Seal - Oil
4	Idl Support Arm Assembly	35	Spacer - Yoke/Bearing Spindle
5	Shim - Pinion - Pinion Bearing Inner	36	Pin - Cotter
6	Inner Pinion Bearing Kit	37	Socket - Upper
7	Baffle - Pinion Bearing	38	Nut - Upper
8	Outer Pinion Axle Shim	39	Nut - Lower
9	Outer Pinion Bearing Kit	40	Socket - Lower
10	Shim - Outer Pinion	41	Shim Ring
11	Seal - Pinion Oil	42	Right Knuckle
12	End Yoke or Assembly (no 13)	43	Left Knuckle
13	Shim - End Yoke	44	Ball - Bar
14	Washer - Pinion Nut	45	Nut
15	Nut - Pinion	46	Screw - Stop
16	Plug - Oil Fill	47	Dust Shield
17	Ball - Currier	48	Seal - Needle Bearing
18	Cap - Diff Bearing	49	Needle Bearing - Spindle
19	Spacer - Diff Bearing Cap	50	Spindle
20	Kit - Diff Big Adj Shim (inc 72)	51	Nut - Lock (only 70)
21	Diff Bearing Kit	52	Seal - Grease
22	Cone - Differential	53	Inner Thrust Bearing
23	Ball - Drive Gear	54	Hub & Wheel
24	Cone - Differential	55	Outer Thrust Bearing
25	Pinion - Differential	56	Thrustwasher
26	Thrustwasher - Diff Pinion	57	Spindle Nut or Nut & Pin Assy
27	Thrustwasher - Diff Gear	58	Lockwasher
28	Shaft - Differential	59	Spindle Nut
29	Lock - Differential Shaft	60	Shim Ring
30	Seal - Oil	61	Shim Ring
31	Guard - Adjuster (LH)	62	Turn Lock

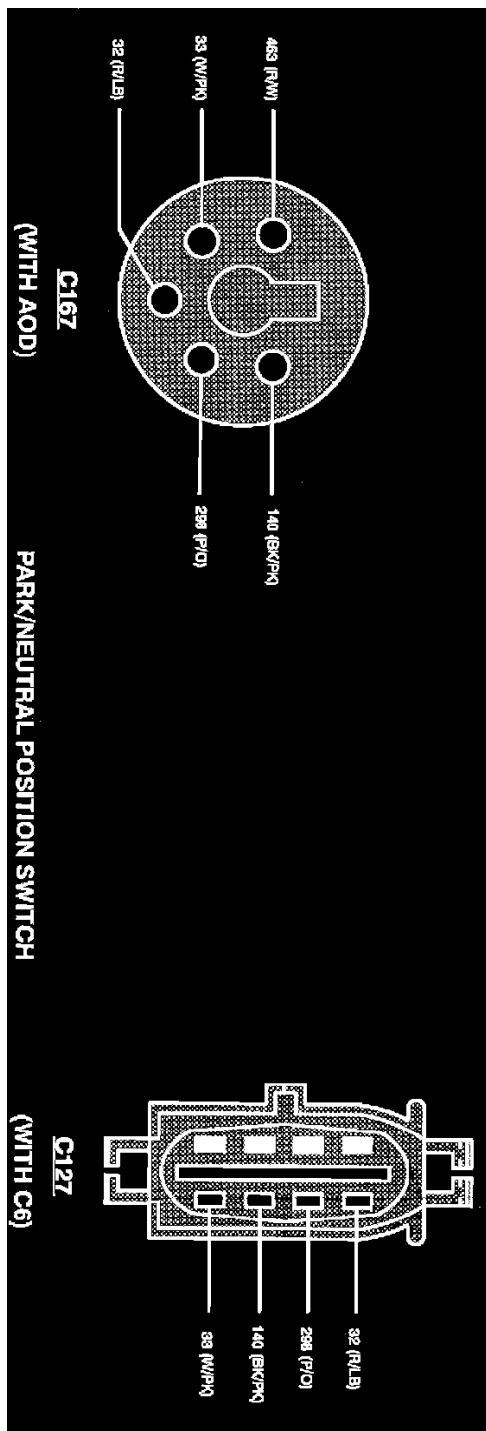
ITEM NO.	DESCRIPTION
63	Ball - Manual Hub Lock
64	Right Shift & Joint Assembly
65	Control Adjuster
66	Clamp - Keystone
67	Block - Rubber
68	Shim - Lockwash
69	Seal - Oil
70	Shaft & Shim Yoke Assy
71	Seal - Oil
72	Bushing
73	Screw Ring
74	RTV Silicone Sealant

Alternator

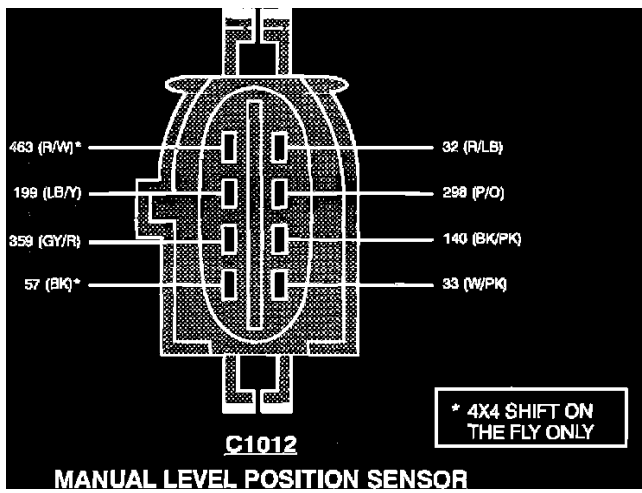
For Integral Alternator Regulator (IAR) Connector Views, please refer to: Starting and Charging/Charging System/Voltage Regulator,



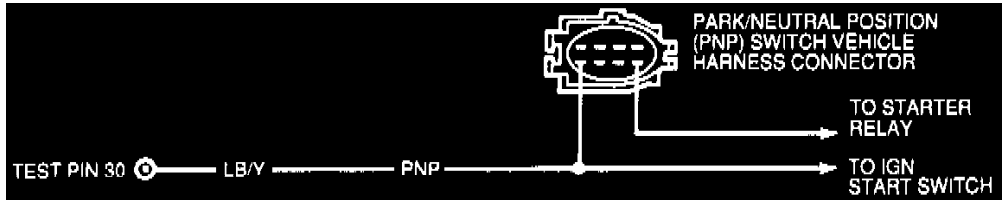
E4OD Transmission



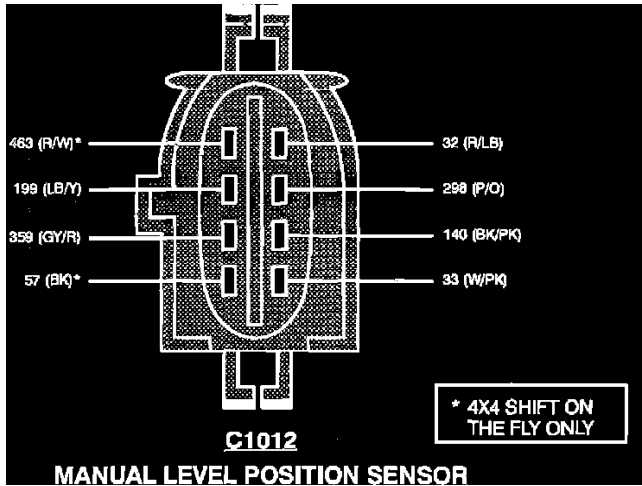
Park/Neutral Position Switch - Transmission Mode Switch



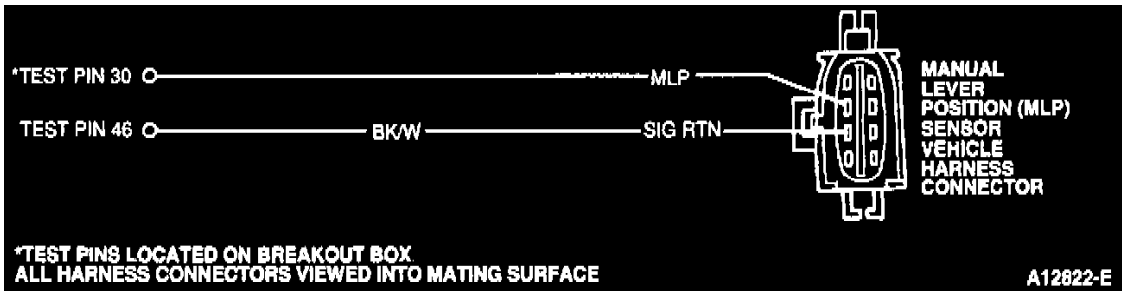
Manual Lever Position Sensor



Park Neutral Switch Diagram



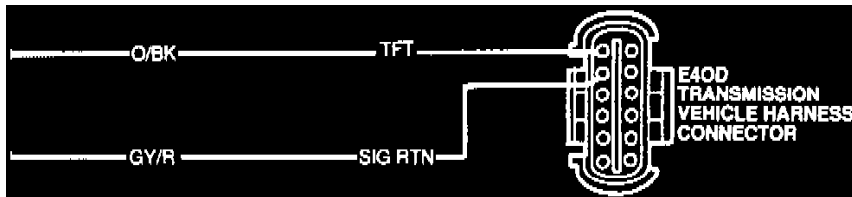
Manual Lever Position Sensor



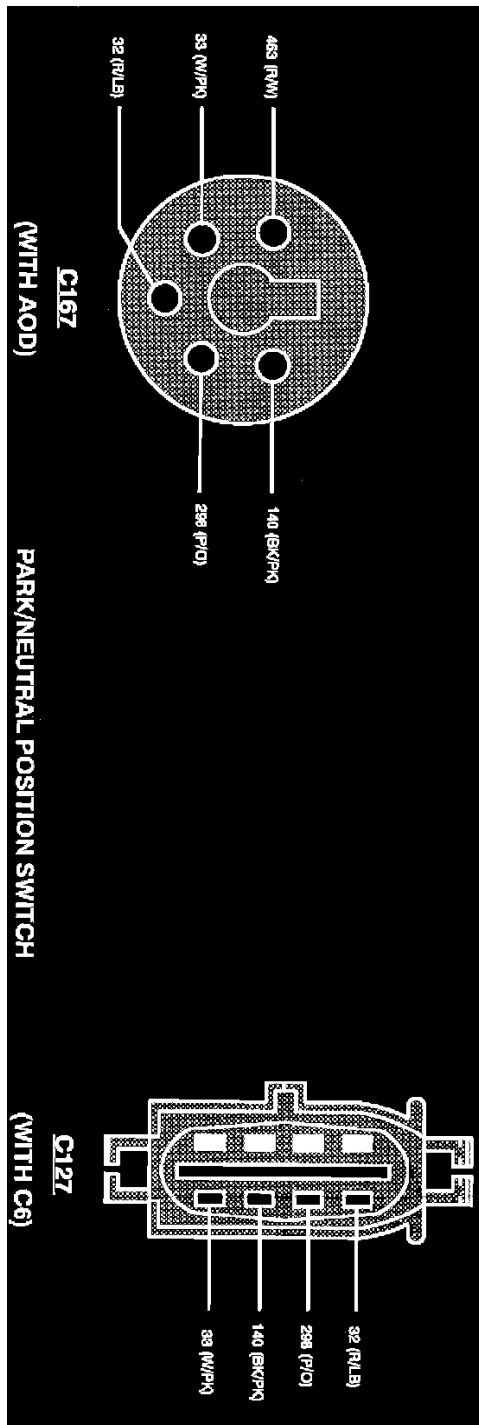
Testing Schematic



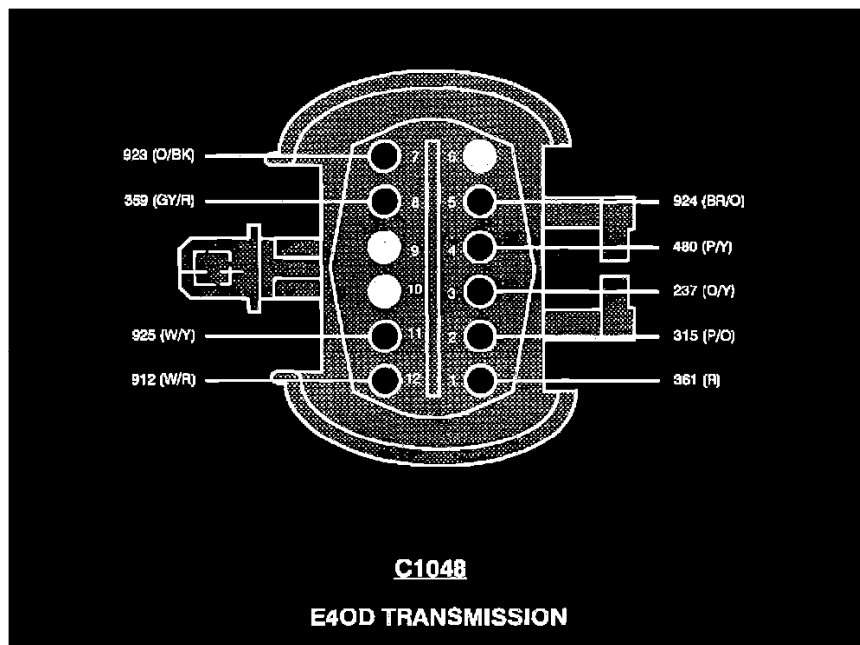
Testing Schematic



Testing Schematic

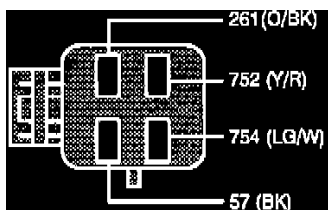


Park/Neutral Position Switch - Transmission Mode Switch

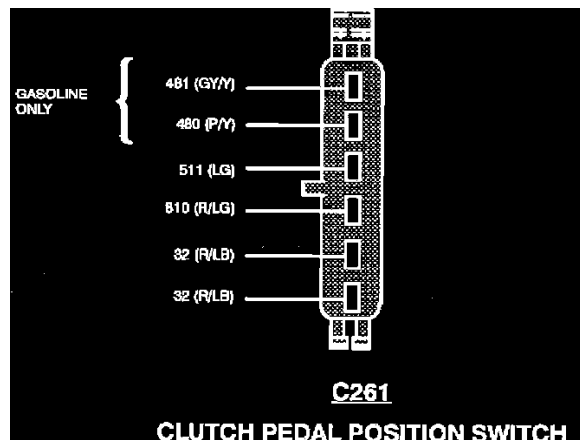


PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	361 (R)	Power from PCM Relay
2	315 (P/O)	Solenoid #2 Shift Signal
3	237 (O/Y)	Solenoid #1 Shift Signal
4	480 (P/Y)	Torque Converter Clutch Control Solenoid
5	924 (BR/O)	Coast Clutch Solenoid
6	—	NOT USED
7	923 (O/BK)	Transmission Oil Temperature
8	359 (GY/R)	Sensor Signal Return
9	—	NOT USED
10	—	NOT USED
11	925 (W/Y)	Electronic Pressure Control
12	912 (W/R)	Electronic Pressure Control Power

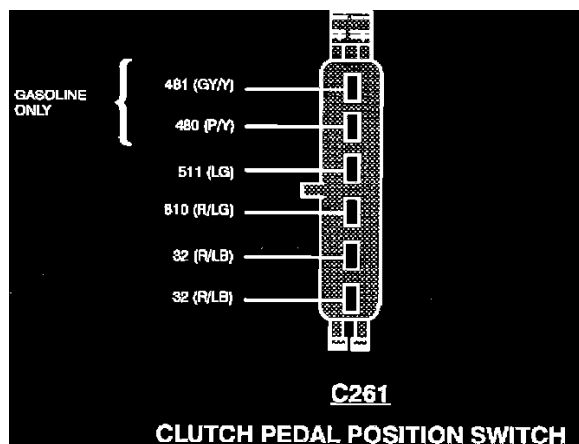
E4OD Transmission



Blower Switch Terminal



Clutch Pedal Position Switch



Clutch Pedal Position Switch

Pin	Circuit	Wire Color	Application	Abbreviation
1	37	Y	Keep Alive Power	KAPWR
2	511	LG	Brake On / Off (E4OD Only)	BOO
3	679	GY / BK	Programmable Speedometer / Odometer Module (+)	PSOM (+)
4	11	T / Y	Ignition Diagnostic Monitor	IDM
6	676	PK / O	Programmable Speedometer / Odometer Module (-)	PSOM (-)
7	354	LG / R	Engine Coolant Temperature Sensor	ECT
8	238	DG / Y	Fuel Pump Monitor	FPM
9	915	PK / LB	Data (-)	DATA (-)
10	883	PK / LB	A / C Cyclic Switch	ACCS
11	200	BR	Secondary Air Injection Diverter	AIRD
12	784	LB / BK	4 x 4 Low Switch (E4OD Only)	4 x 4L
16	259	O / R	Ignition Ground	IGN GND
17	658	PK / LG	Self-Test Output / Malfunction Indicator Lamp	STO / MIL
19	315	P / O	Transmission Shift Solenoid 2 (E4OD Only)	SS2
20	57	BK	Case Ground	CSE GND
21	264	W / LB	Idle Air Control Solenoid	IAC
22	926	LB / O	Fuel Pump	FP
25	743	GY	Intake Air Temperature Sensor	IAT
26	351	BR / W	Reference Voltage	VREF
27	352	BR / LG	EGR Valve Position Sensor	EVP
28	914	T / O	Data (+)	DATA (+)
29	74	GY / LB	Heated Oxygen Sensor	HO2S
30	199	LB / Y	Park / Neutral Position Switch (C6 A / T Only)	PNP
30	199	LB / Y	Manual Lever Position Sensor (E4OD Only)	MLP
31	101	GY / Y	Canister Purge Solenoid	CANP
32	911	W / LG	Transmission Cancel Indicator Lamp (E4OD Only)	TCIL
33	360	BR / PK	EGR Vacuum Regulator Solenoid	EVR
36	929	PK	Spark Output	SPOUT
37	361	R	Electronic Pressure Control Power / Vehicle Power	EPCWR / VPWR
38	925	W / Y	Electronic Pressure Control Solenoid (E4OD Only)	EPC
40	570	BK / W	Power Ground	PWR GND
41	224	T / W	Transmission Cancel Switch (E4OD Only)	TCS
42	923	O / BK	Transmission Oil Temperature (E4OD Only)	TOT
45	358	LG / BK	Manifold Absolute Pressure	MAP
46	359	GY / R	Signal Return	SIG RTN

Powertrain Control Module (PCM) Connector Pin Usage

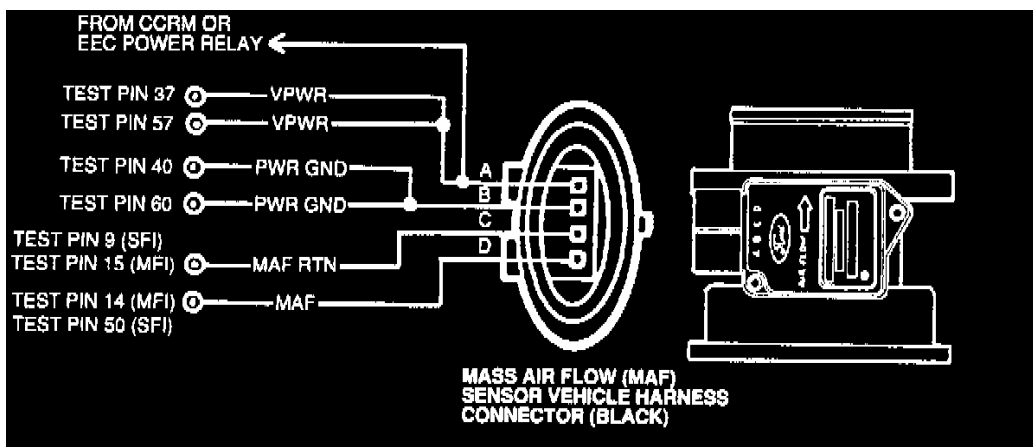
Pin	Circuit	Wire Color	Application	Abbreviation
47	355	GY/W	Throttle Position Sensor	TP
48	209	W/P	Self-Test Input	STI
49	89	O	Heated Oxygen Sensor Ground	HO2S GND
51	190	W/O	Secondary Air Injection Bypass	AIRB
52	237	O/Y	Transmission Shift Solenoid 1 (E4OD Only)	SS1
53	480	P/Y	Converter Clutch Control Solenoid (E4OD Only)	CCC
55	924	BR/O	Converter Coast Solenoid (E4OD Only)	CCS
56	395	GY/O	Profile Ignition Pick-Up	PIP
57	361	R	Electronic Pressure Control Power / Vehicle Power	EPCPWR / VPWR
58	555	T	Injector Bank 1 (Controls Engine Cylinder Numbers 1, 4, 5 and 8)	INJ BANK 1
59	556	W	Injector Bank 2 (Controls Engine Cylinder Numbers 2, 3, 6 and 7)	INJ BANK 2
60	570	BK/W	Power Ground	PWR GND

Pin locations given for reference only. Probing 60-pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed using the breakout box.



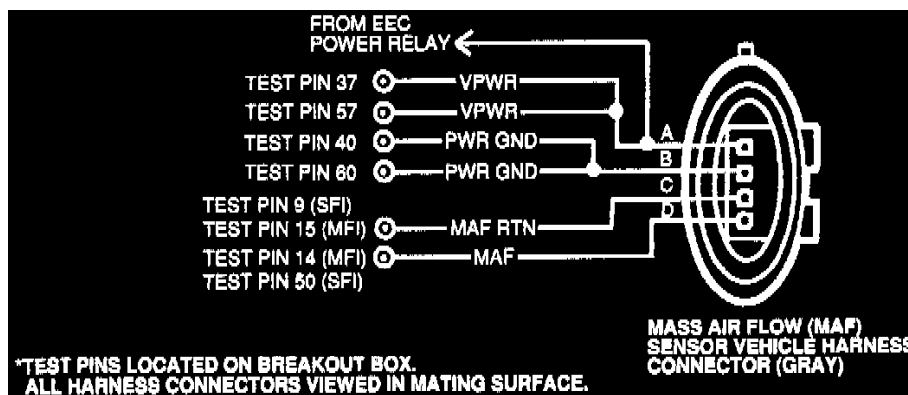
Powertrain Control Module (PCM) Connector Pin Usage

Air Flow Meter/Sensor



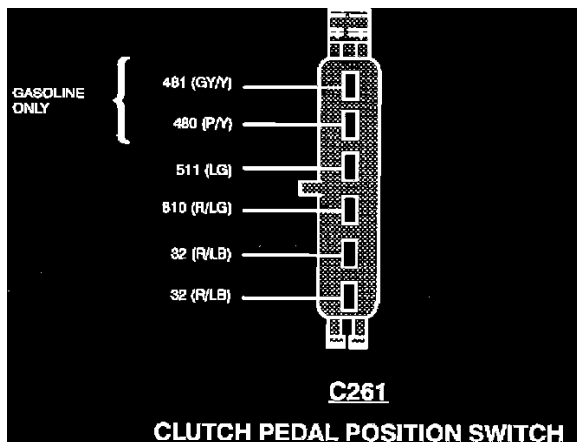
Black Connector Testing Schematic

BLACK CONNECTOR



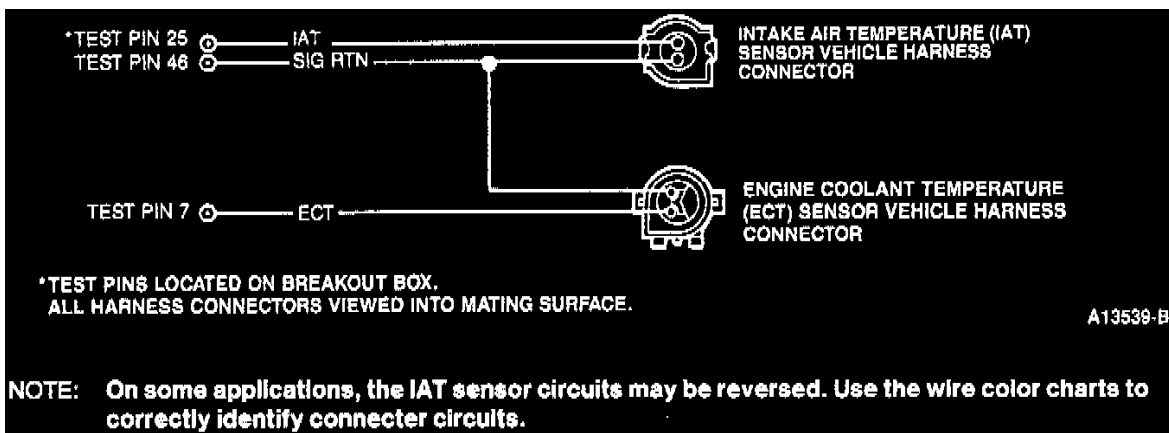
Gray Connector Testing Schematic

GRAY CONNECTOR



Clutch Pedal Position Switch

Coolant Temperature Sensor/Switch (For Computer)



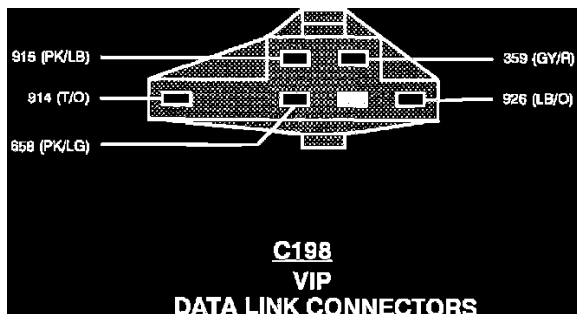
Connector Views

CIRCUIT / WIRE COLOR

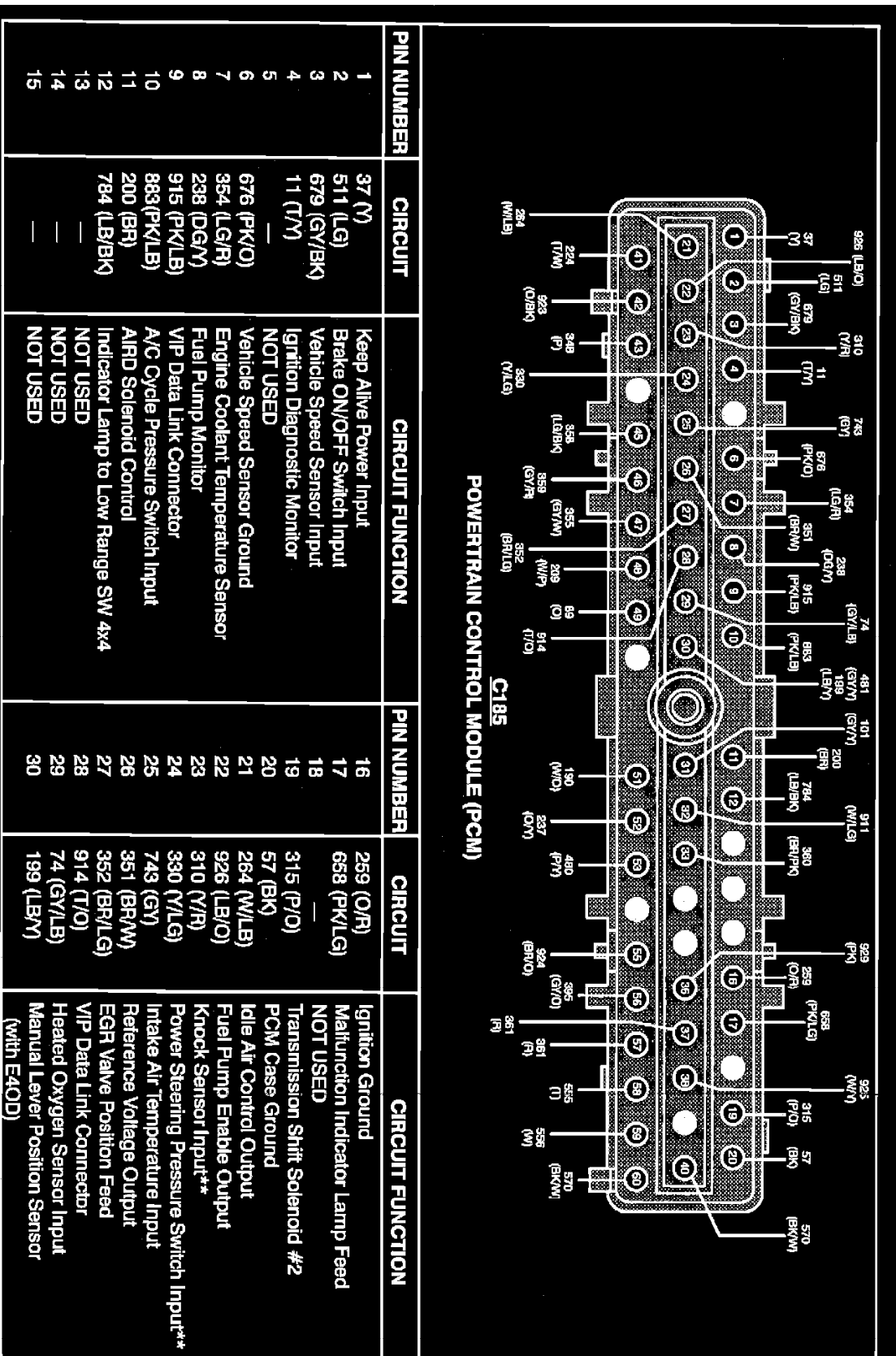
IAT 25 / gray

SIG RTN 46 / gray/red

ECT 7 / light green/red



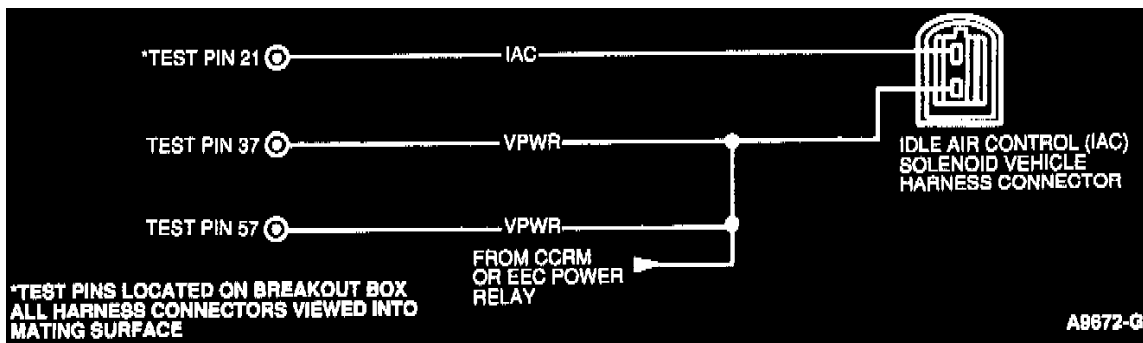
VIP Data Link Connectors



Powertrain Control Module (PCM)

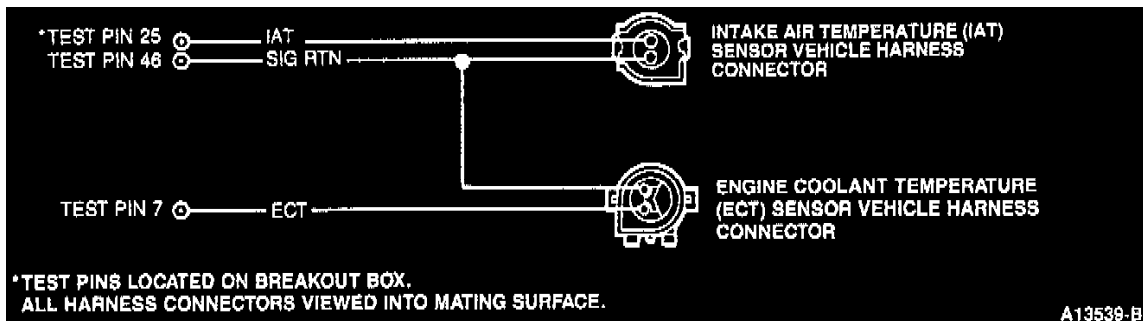
PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION	PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
30	481 (GY/M)	Clutch Pedal Position Switch or Switch Jumper (without E4OD)	46	359 (GY/R)	Sensor Signal Return
31	101 (GY/Y)	Canister Purge Solenoid Output	47	355 (GY/W)	Throttle Position Sensor Input
32	911 (W/LG)	Transmission Control Indicator Lamp	48	209 (W/P)	VIP Data Link Input
33	360 (BR/PK)	EGR Control Solenoid Input	49	89(O)	Heated Oxygen Sensor Ground
34	—	NOT USED	50	—	NOT USED
35	—	NOT USED	51	190 (W/O)	AIRB Solenoid Outlet
36	929 (PK)	Spark Signal Output (SPOUT)	52	237 (O/M)	Transmission Shift Solenoid #1
37	361 (R)	Power Input	53	480 (P/Y)	Torque Converter Clutch Solenoid
38	925 (W/Y)	Trans-Electronic Pressure Control	54	—	NOT USED
39	—	NOT USED	55	924 (BR/O)	Coast Clutch Solenoid
40	570 (BK/W)	Ground	56	395 (GY/O)	Crankshaft Position Sensor Pickup
41	224 (T/W)	Transmission Control Switch	57	361 (R)	Power Input
42	923 (O/BK)	Transmission Oil Temperature Input	58	655 (T)	Injector (1, 4, 5, 8)
43	348 (P)	A/C Panel Input	59	556(W)	Injector (2, 3, 6, 7)
44	—	NOT USED	60	570 (BK/W)	Ground
45	358 (LG/BK)	Manifold Absolute Pressure Sensor Input			

Powertrain Control Module (PCM)



IAC Solenoid

Intake Air Temperature Sensor



Connector Views

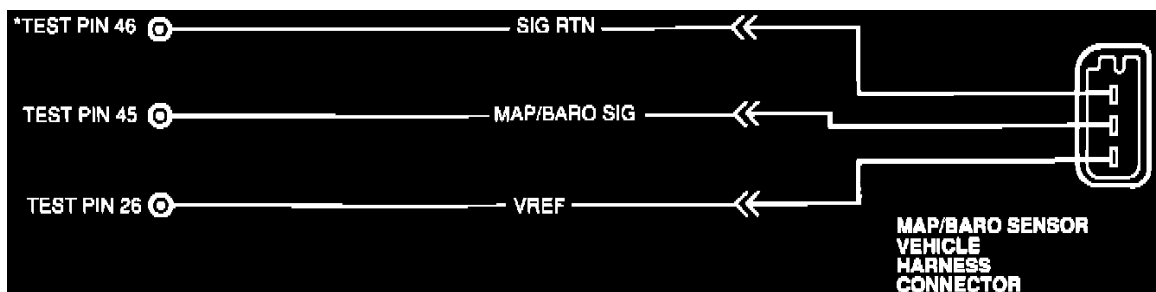
CIRCUIT / WIRE COLOR

IAT 25 / gray

SIG RTN 46 / gray/red

ECT 7 / light green/red

Manifold Pressure/Vacuum Sensor



Connector View

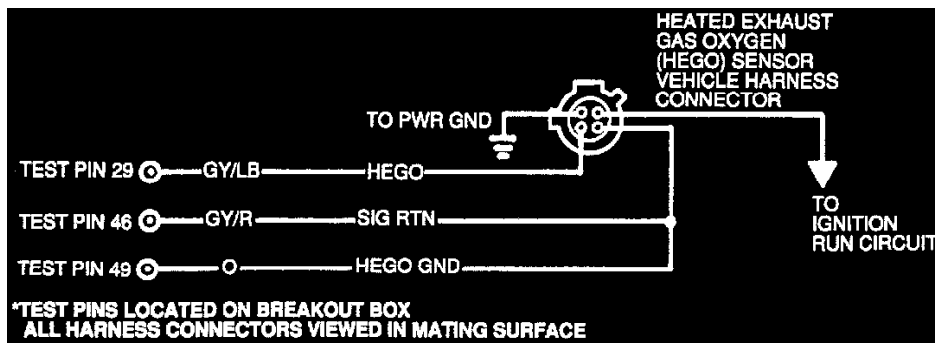
CIRCUIT / WIRE COLOR

MAP SIG 46 / light green/black

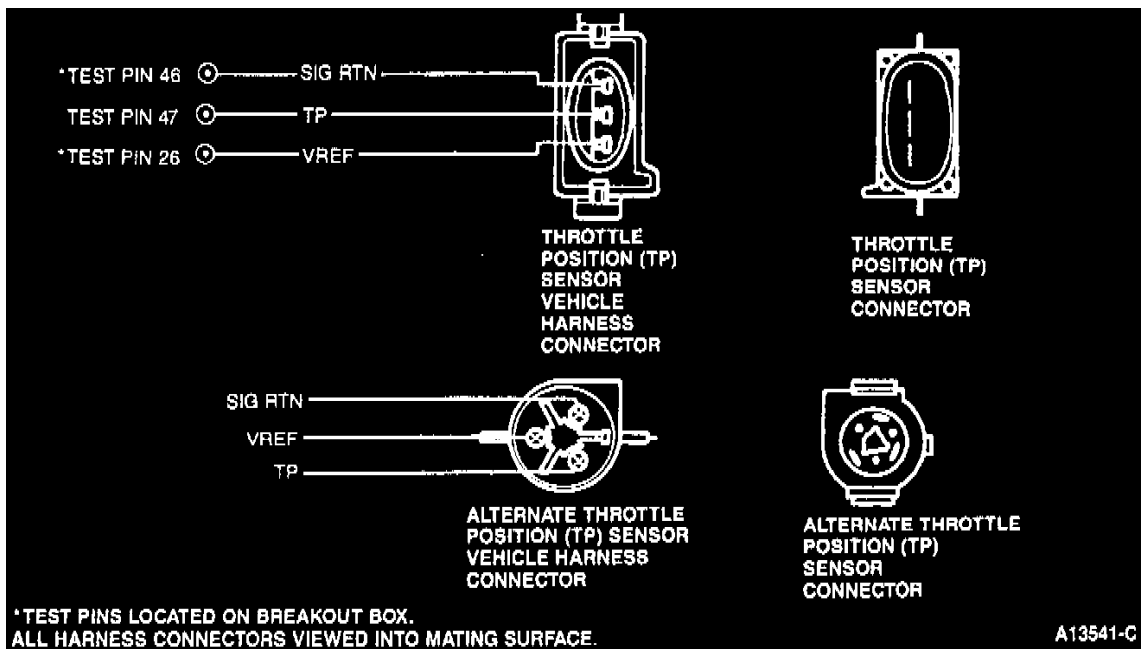
VREF 26 / brown/white

SIG RTN 46 / gray/red

* Test pin numbers correspond to Powertrain Control Module (PCM) connector view and PCM breakout box.



Throttle Position Sensor



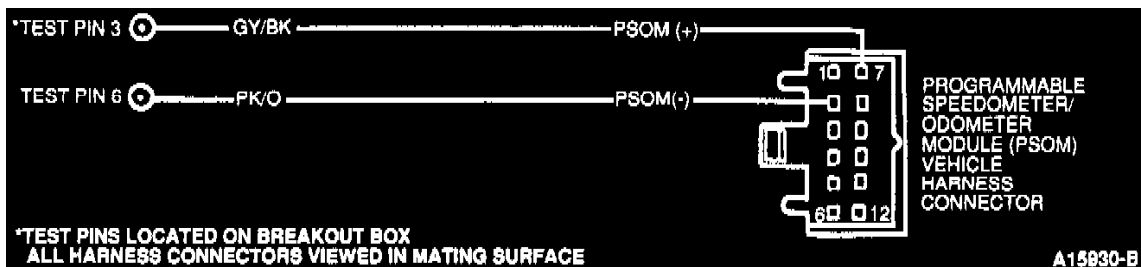
TPS Diagram

CIRCUIT / WIRE COLOR

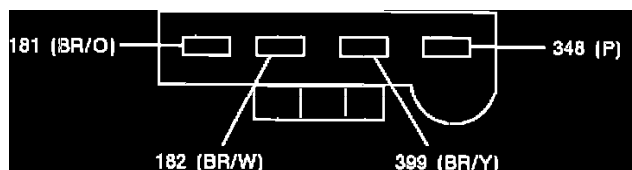
TP / gray/white

VREF / brown/white

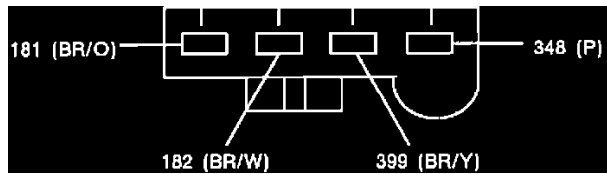
SIG RTN / gray/red



Programmable Speedometer/Odometer Module Harness Connector

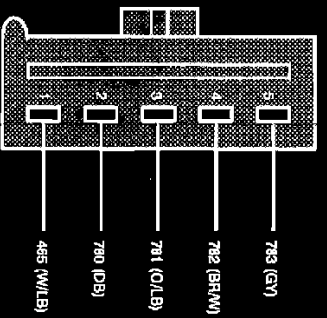
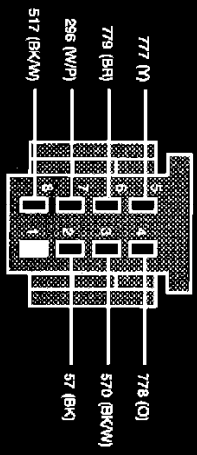
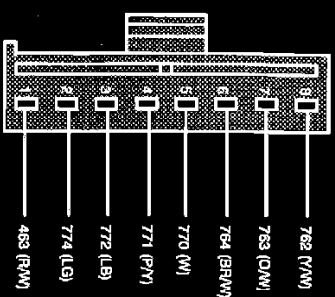


Terminal Locations



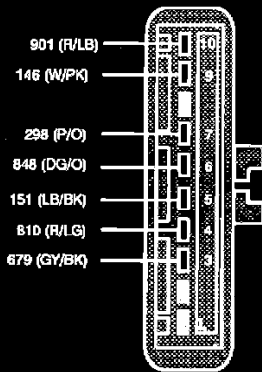
Terminal Locations

CONNECTOR	PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
C221	1	463 (RM)	Neutral Start Switch Input Speed Sensor Coil Feed Speed Sensor Coil Return Electronic Transfer Case Assembly Position #5 Sensor Electronic Transfer Case Assembly Position #4 Sensor Electronic Transfer Case Assembly Position #3 Sensor Electronic Transfer Case Assembly Position #2 Sensor Electronic Transfer Case Assembly Position #1 Sensor
	2	774 (LG)	
	3	772 (LB)	
	4	771 (P/Y)	
	5	770 (W)	
	6	764 (BR/W)	
	7	763 (O/W)	
	8	762 (Y/W)	
C222	1	—	NOT USED Ground Logic Ground Electronic Transfer Case Assembly Motor Control (Clockwise) Magnetic Clutch Coil Control Electronic Transfer Case Assembly Motor Control (Counterclockwise) Fused Acc Feed Circuit Breaker Battery Feed
	2	57 (BK)	
	3	570 (BK/W)	
	4	778 (O)	
	5	777 (Y)	
	6	779 (BR)	
	7	296 (W/P)	
	8	517 (BK/W)	
C223	1	465 (W/LB)	Electronic Shift Control Switch Feed 4x4 Input Low Range Input Low Range Indicator Lamp Feed 4x4 Indicator Feed
	2	780 (DB)	
	3	781 (O/LB)	
	4	782 (BR/W)	
	5	783 (GY)	



ELECTRONIC SHIFT CONTROL MODULE

Electronic Shift Control Module

**C216****SPEED CONTROL SERVO/AMPLIFIER ASSEMBLY**

PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	—	Not Used
2	—	Not Used
3	679 (GY/BK)	Vehicle Speed Input
4	810 (R/LG)	Brake Input
5	151 (LB/BK)	Common Signal
6	848 (DG/O)	Common Return
7	298 (P/O)	Vehicle Power
8	—	Not Used
9	146 (W/PK)	Brake Pressure Input
10	901 (R/LB)	Ground

Speed Control Servo/Amplifier Assembly

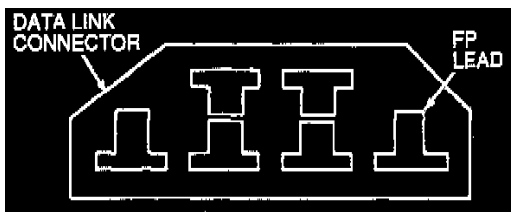
C216
SPEED CONTROL SERVO/AMPLIFIER ASSEMBLY

PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	—	Not Used
2	—	Not Used
3	679 (GY/BK)	Vehicle Speed Input
4	810 (R/LG)	Brake Input
5	151 (LB/BK)	Common Signal
6	848 (DG/O)	Common Return
7	298 (P/O)	Vehicle Power
8	—	Not Used
9	146 (W/PK)	Brake Pressure Input
10	901 (R/LB)	Ground

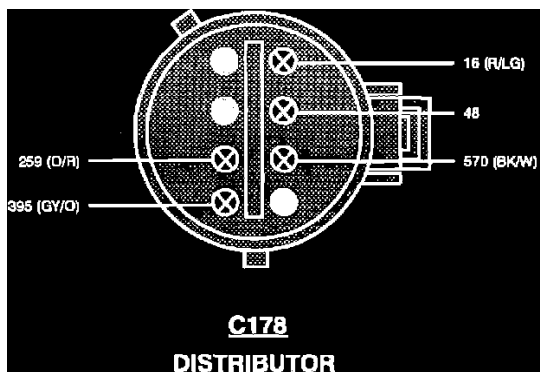
Speed Control Servo/Amplifier Assembly

C177
DAYTIME RUNNING LAMPS (DRL) MODULE

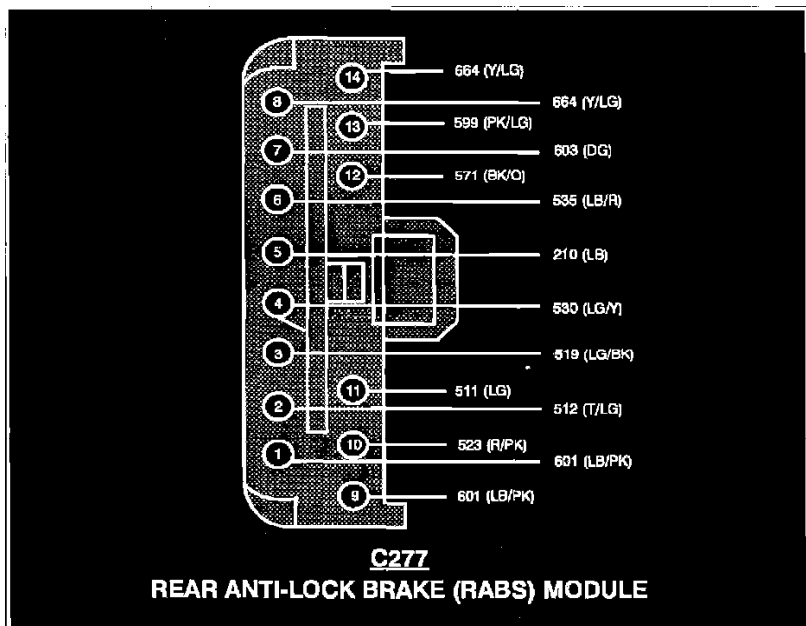
Daytime Running Lamps (DRL) Module



Diagnostic Lead

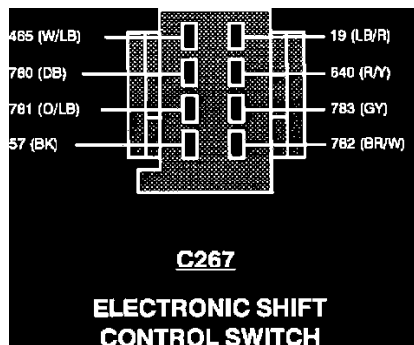


Distributor

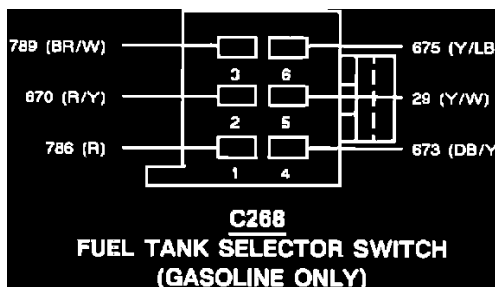


PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	601 (LB/PK)	Power Input
2	512 (T/LG)	Brake Fluid Level Signal
3	519 (LG/BK)	Differential Speed Sensor-Low
4	530 (LG/Y)	Ground
5	210 (LB)	4 x 4 Input Signal
6	535 (LB/R)	Valve Reset Input
7	603 (DG)	Warning Lamp Output
8	664 (Y/LG)	Dump Solenoid Output
9	601 (LB/PK)	Power Input
10	523 (R/PK)	Differential Speed Sensor-High
11	511 (LG)	Brake ON/OFF Switch Input
12	571 (BK/O)	Diagnostic Test Input/Keep Alive Input
13	599 (PK/LG)	Isolation Solenoid Output
14	664 (Y/LG)	Dump Solenoid Output

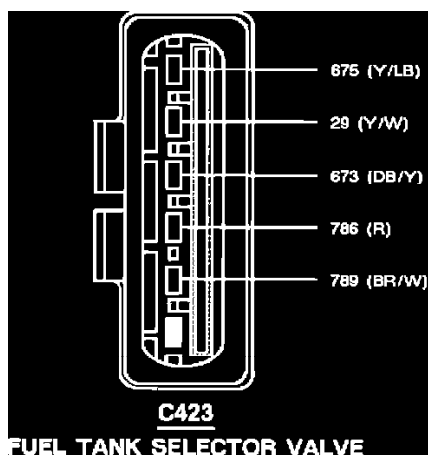
RABS Module Connector



Electronic Shift Control Switch

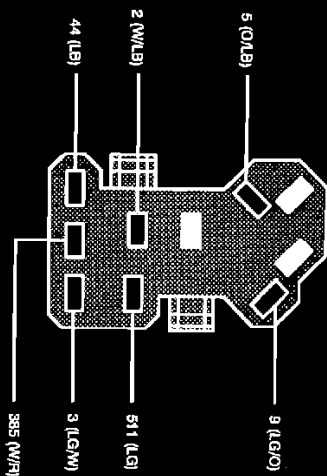


Connector Face/Pinout Charts

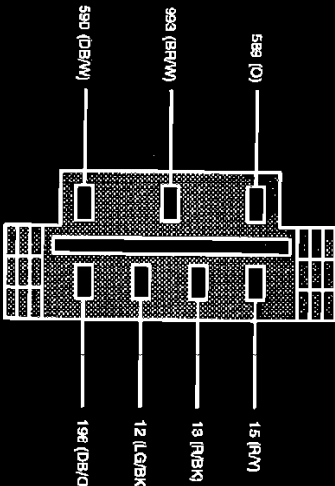


Connector Face/Pinout Charts

CIRCUIT	CIRCUIT FUNCTION	CIRCUIT	CIRCUIT FUNCTION
5 (O/LB) 2 (W/LB) 44 (LB) 9 (LG/O) 511 (LG) 3 (LG/W) 385 (W/R)	Output to Right Rear Turn Lamps Output to Right Front Turn Lamps Power from Turn Flasher Output to Left Rear Turn Lamps Power from Stop Lamp Switch Output to Left Turn Lamps Power from Hazard Flasher	589 (O) 993 (BR/W) 590 (DB/W) 15 (R/Y) 13 (R/BK) 12 (LG/BK) 196 (DB/O)	Output to Interval Governor Reference Voltage from Interval Governor Output to Interval Governor Power to Dimmer, Hot in HEAD Dimmer to Hi Beams Dimmer to Hi Beams Battery Input, Flash-to-Pass



C231

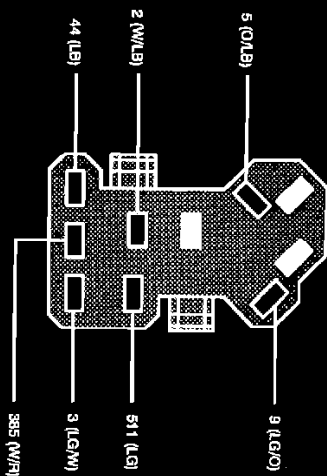


C230

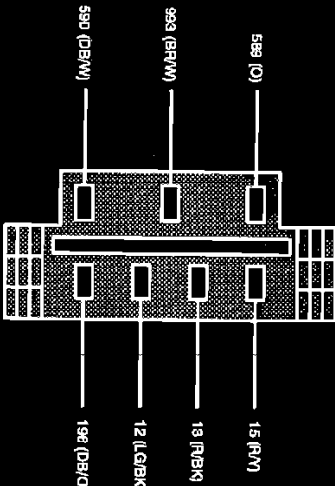
MULTI-FUNCTION SWITCH

Multi-Function Switch,

CIRCUIT	CIRCUIT FUNCTION	CIRCUIT	CIRCUIT FUNCTION
5 (O/LB) 2 (W/LB) 44 (LB) 9 (LG/O) 511 (LG) 3 (LG/W) 385 (W/R)	Output to Right Rear Turn Lamps Output to Right Front Turn Lamps Power from Turn Flasher Output to Left Rear Turn Lamps Power from Stop Lamp Switch Output to Left Turn Lamps Power from Hazard Flasher	589 (O) 993 (BR/W) 590 (DB/W) 15 (R/Y) 13 (R/BK) 12 (LG/BK) 196 (DB/O)	Output to Interval Governor Reference Voltage from Interval Governor Output to Interval Governor Power to Dimmer, Hot in HEAD Dimmer to Hi Beams Dimmer to Hi Beams Battery Input, Flash-to-Pass



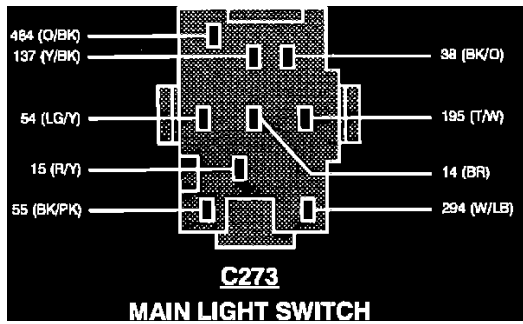
C231



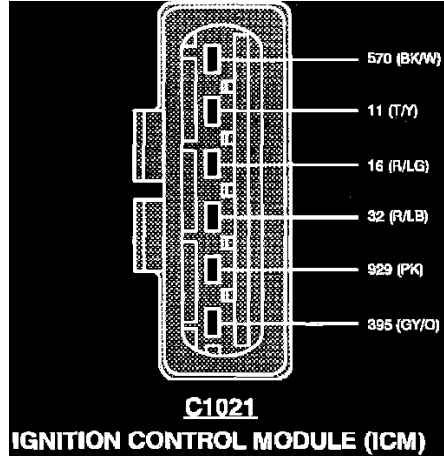
C230

MULTI-FUNCTION SWITCH

Multi-Function Switch,



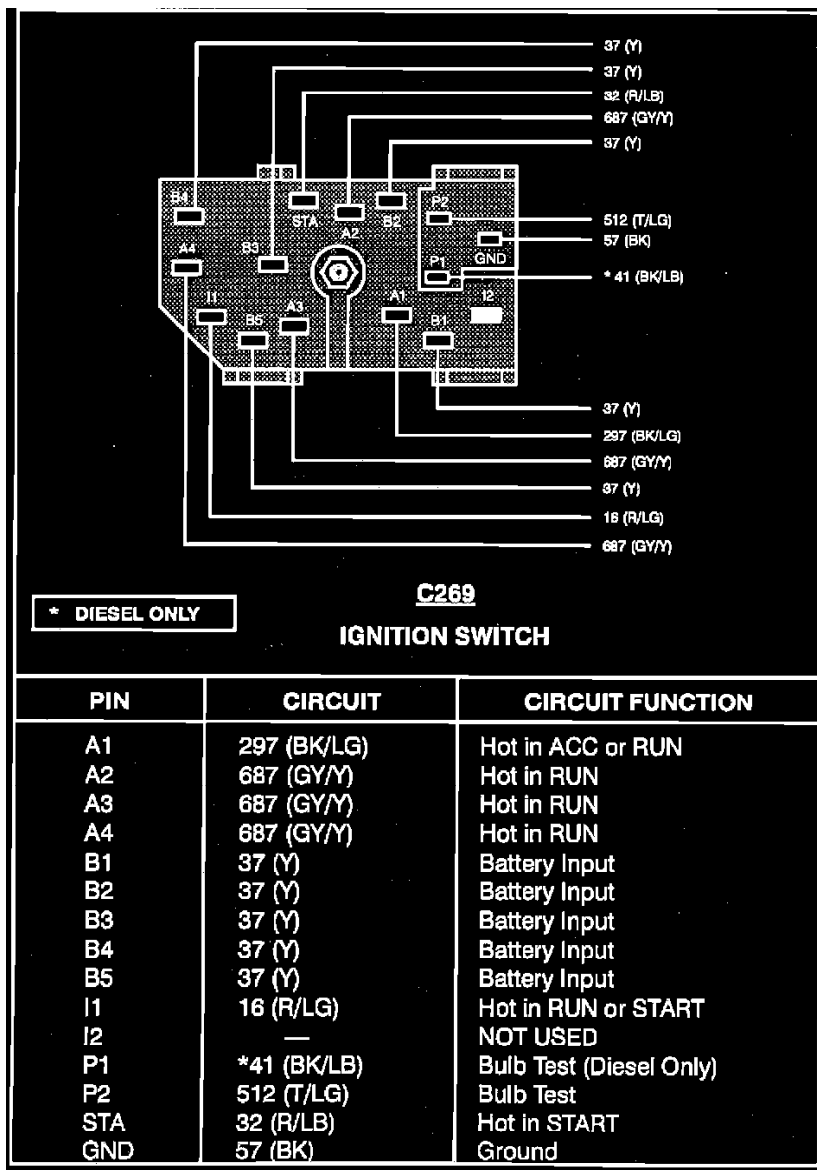
Main Light Switch



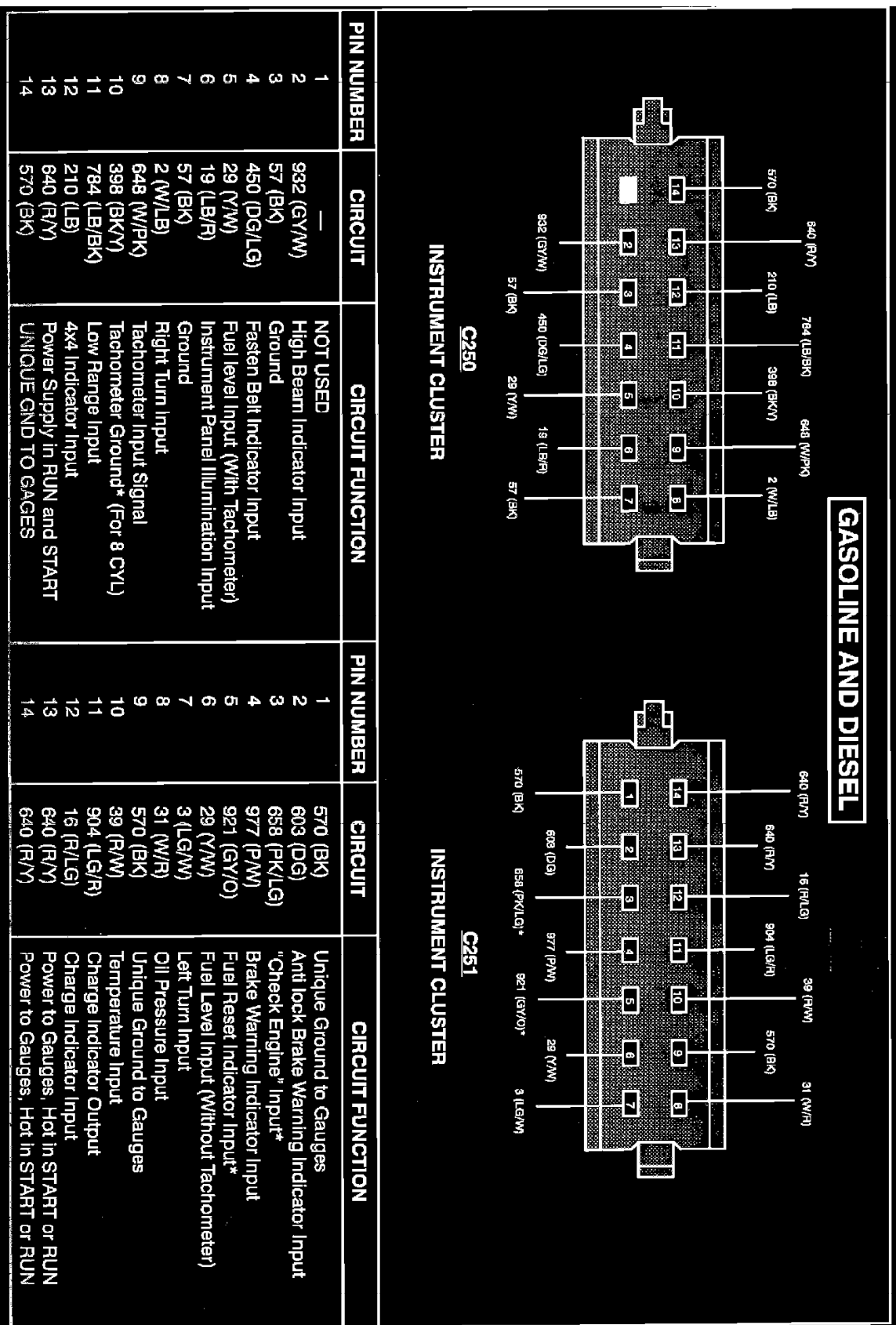
Ignition Control Module (ICM)

Ignition Lock

For Connector Views, please refer to: Ignition Switch/Diagrams, See: Powertrain Management/Ignition System/Sensors and Switches - Ignition System/Ignition Switch/Diagrams/Connector Views



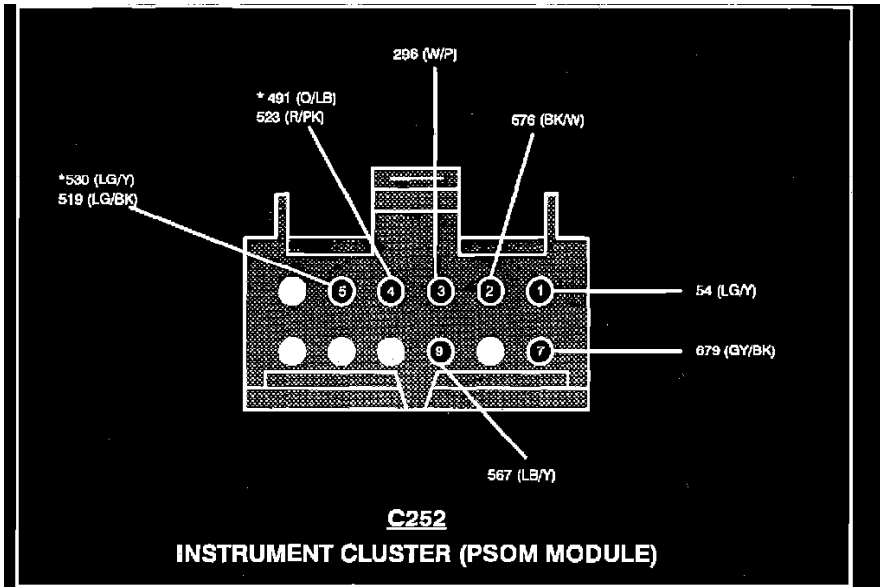
Ignition Switch, Harness Side



Instrument Cluster

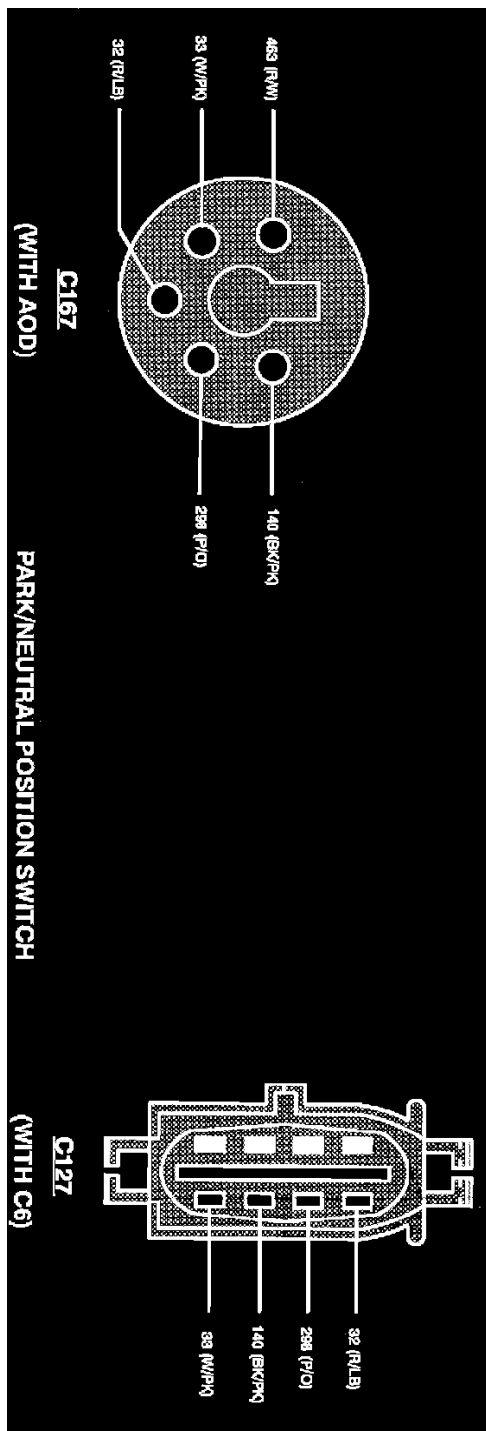


Warning Chime Module

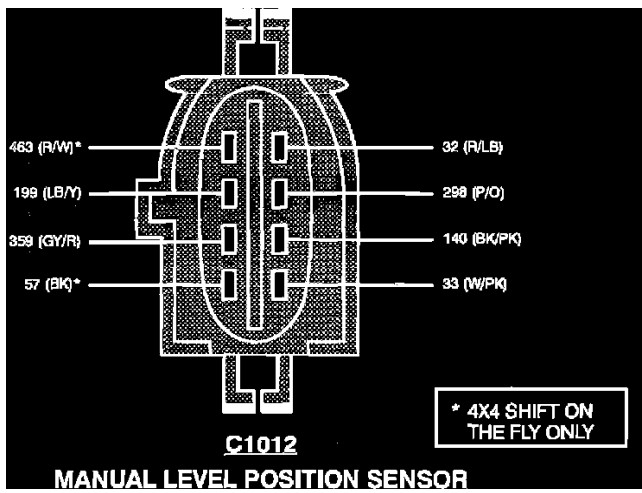


PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	54 (LG/Y)	Battery Input
2	676 (BK/W)	Ground
3	296 (W/P)	Hot In RUN
4	523 (R/PK)	Rear Anti lock Brake Signal Input
4	*491 (O/LB)	4WABS Signal Input
5	519 (LG/BK)	Rear Anti lock Brake Signal Return
5	*530 (LG/Y)	4WABS Signal Return
6	—	NOT USED
7	679 (GY/BK)	Speed Output to Instrument Cluster, Speed Control Amplifier to Powertrain Control Module
8	—	NOT USED
9	567 (LB/Y)	PSOM Test Connector
10	—	NOT USED
11	—	NOT USED
12	—	NOT USED

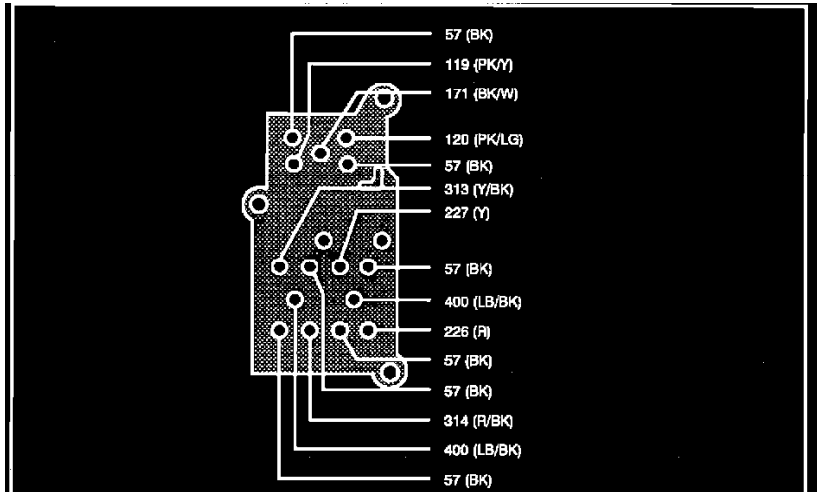
Instrument Cluster (PSOM Module)



Park/Neutral Position Switch - Transmission Mode Switch



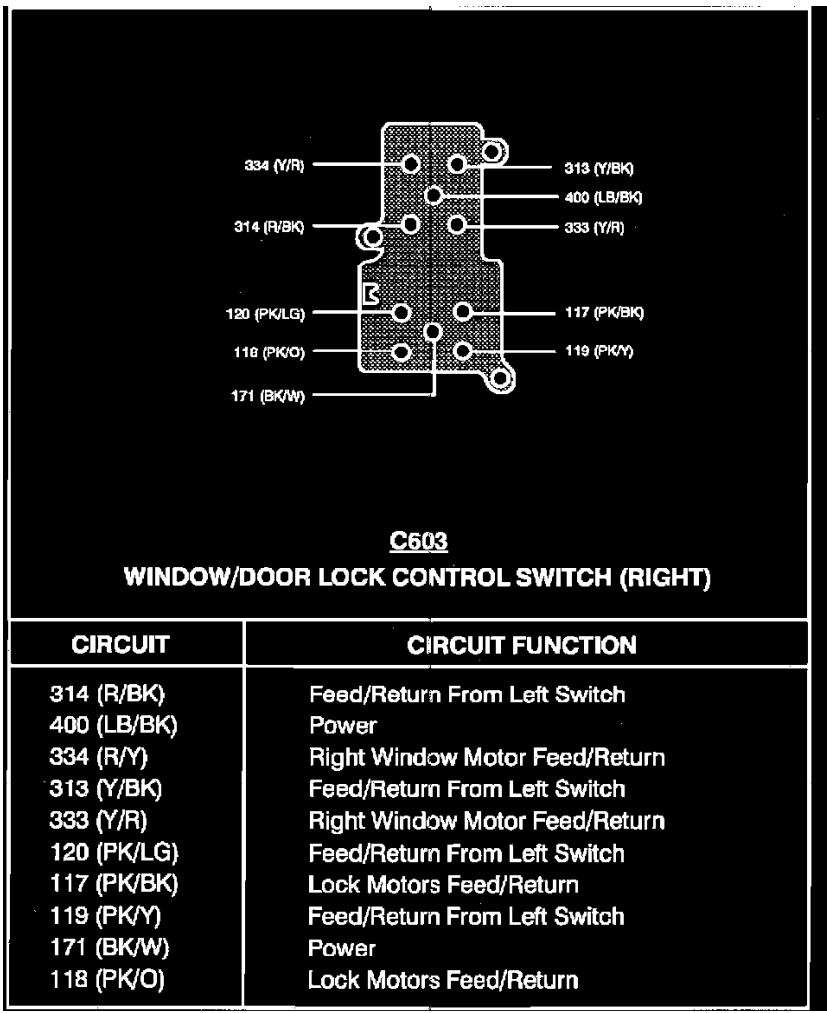
Manual Lever Position Sensor



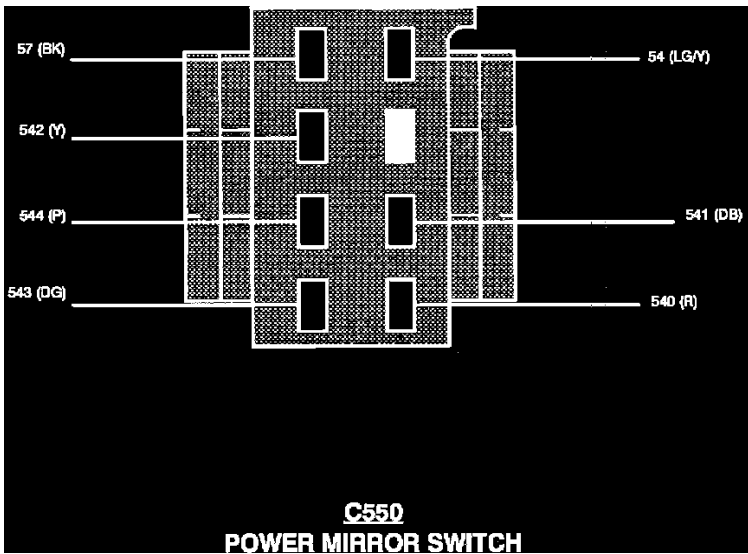
C503
WINDOW/DOOR LOCK CONTROL SWITCH (MASTER) (LEFT)

CIRCUIT	CIRCUIT FUNCTION
226 (R)	Left Window Motor Feed/Return
57 (BK)	Ground
314 (R/BK)	Right Window Motor Feed/Return
57 (BK)	Ground
400 (LB/BK)	Power
313 (Y/BK)	Right Window Motor Feed/Return
57 (BK)	Ground
227 (Y)	Left Window Motor Feed/Return
57 (BK)	Ground
400 (LB/BK)	Power
57 (BK)	Ground
120 (PK/LG)	Lock Motors Feed/Return
57 (BK)	Ground
171 (BK/W)	Power
119 (PK/Y)	Lock Motors Feed/Return

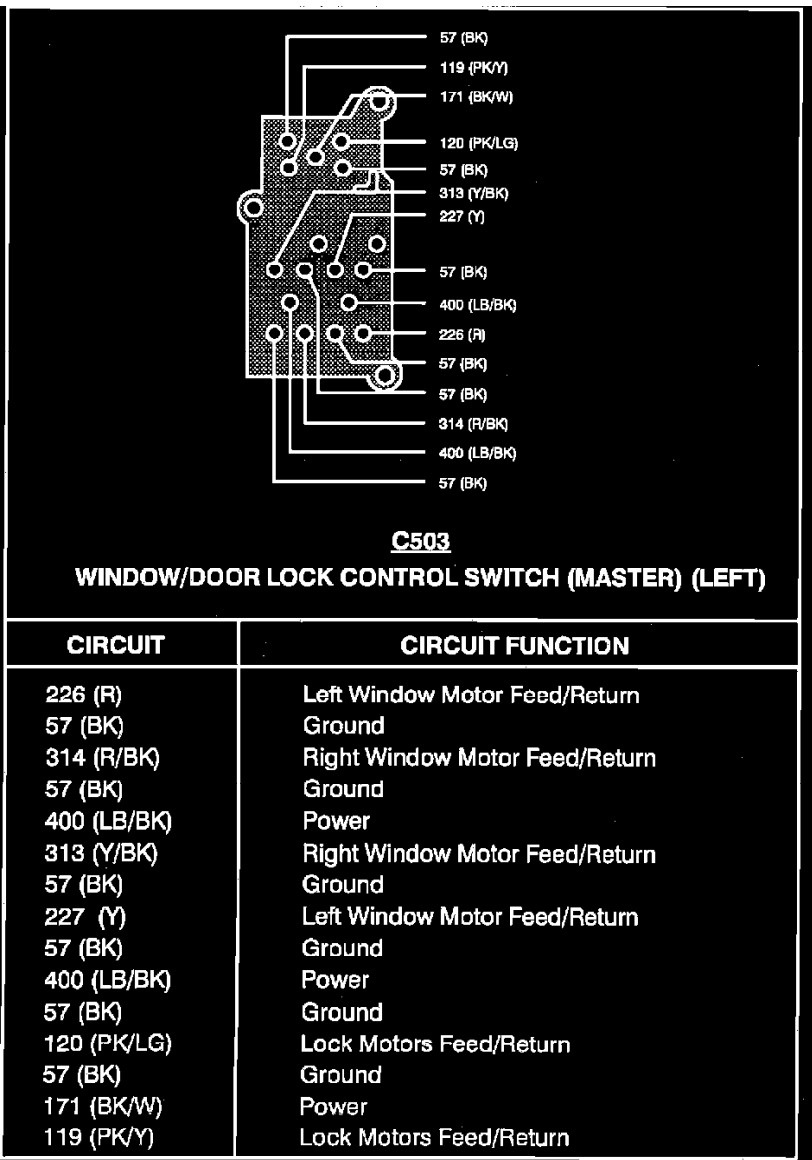
Window/Door Lock Control Switch (Master) (Left)



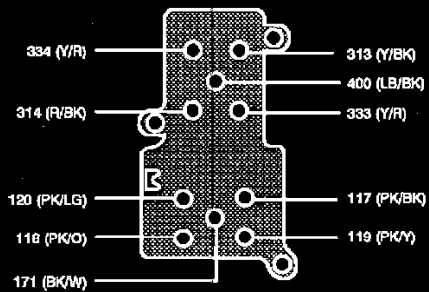
Window/Door Lock Control Switch (Right)



Power Mirror Switch

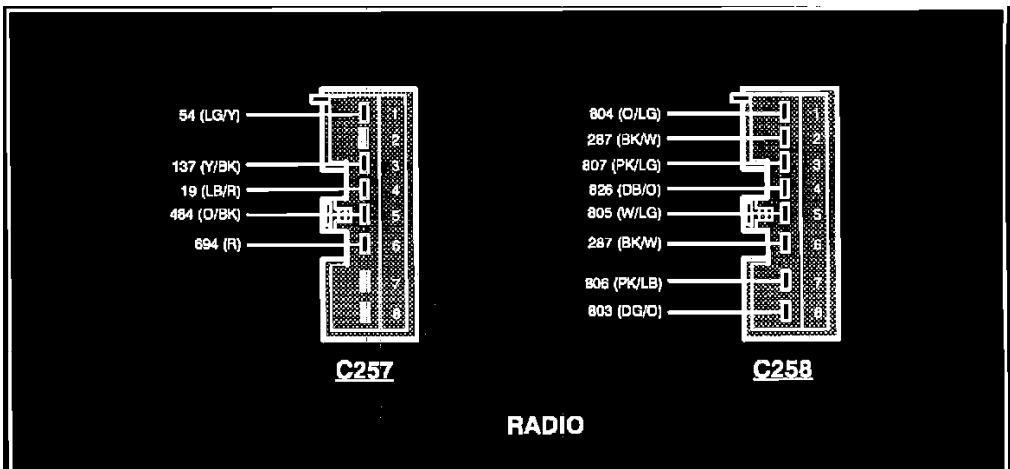


Window/Door Lock Control Switch (Master) (Left)

**C603****WINDOW/DOOR LOCK CONTROL SWITCH (RIGHT)**

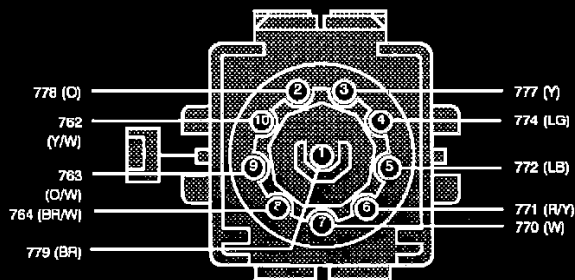
CIRCUIT	CIRCUIT FUNCTION
314 (R/BK)	Feed/Return From Left Switch
400 (LB/BK)	Power
334 (R/Y)	Right Window Motor Feed/Return
313 (Y/BK)	Feed/Return From Left Switch
333 (Y/R)	Right Window Motor Feed/Return
120 (PK/LG)	Feed/Return From Left Switch
117 (PK/BK)	Lock Motors Feed/Return
119 (PK/Y)	Feed/Return From Left Switch
171 (BK/W)	Power
118 (PK/O)	Lock Motors Feed/Return

Window/Door Lock Control Switch (Right)



CONNECTOR	PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
C257	1	54 (LG/Y)	Radio Memory Power
	2	—	NOT USED
	3	137 (Y/BK)	12 Volt Power Feed
	4	19 (LB/R)	Instrument Panel Lamp Feed
	5	484 (O/BK)	LCD Lighting
	6	694 (R)	Ground
	7	—	NOT USED
	8	—	NOT USED
C258	1	804 (O/LG)	Left Front Speaker Feed (+)
	2	287 (BK/W)	Left Front Speaker Return (-)
	3	807 (PK/LG)	Left Rear Speaker Feed (+)
	4	826 (DB/O)	Left Rear Speaker Return (-)
	5	805 (W/LG)	Right Front Speaker Feed (+)
	6	287 (BK/W)	Right Front Speaker Return (-)
	7	806 (PK/LB)	Right Rear Speaker Feed (+)
	8	803 (DG/O)	Right Rear Speaker Return (-)

Radio Connector

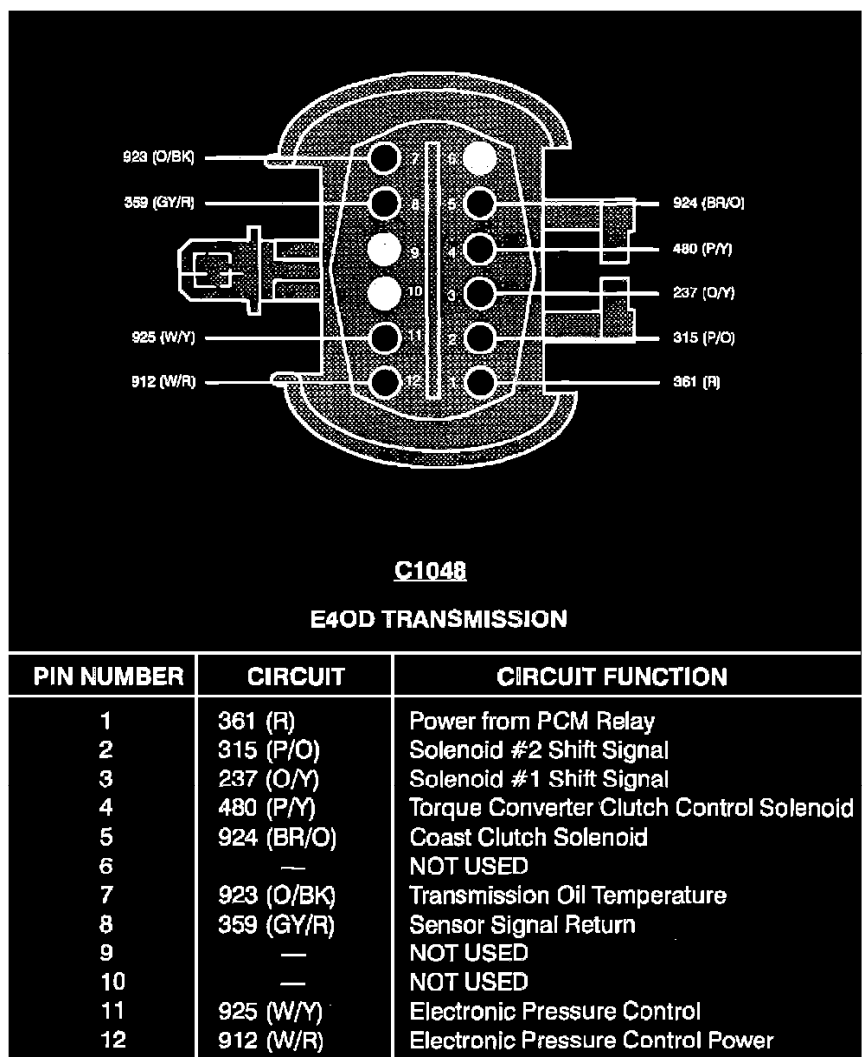


C220

TRANSFER CASE ASSEMBLY

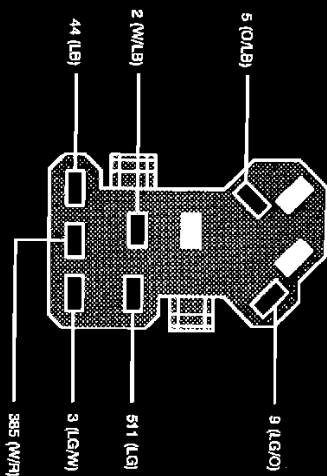
PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	779 (BR)	Electromagnetic Clutch Feed
2	778 (O)	Transfer Case Motor Control (Clockwise)
3	777 (Y)	Transfer Case Motor Control (Counterclockwise)
4	774 (LG)	Speed Sensor (Feed)
5	772 (LB)	Speed Sensor (Return)
6	771 (P/Y)	Wire #5 Shift Position Sensor
7	770 (W)	Wire #4 Shift Position Sensor
8	764 (BR/W)	Wire #3 Shift Position Sensor
9	763 (O/W)	Wire #2 Shift Position Sensor
10	762 (Y/W)	Wire #1 Shift Position Sensor

Transfer Case Assembly

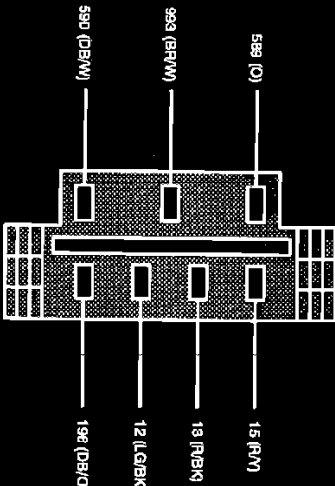


E4OD Transmission

CIRCUIT	CIRCUIT FUNCTION	CIRCUIT	CIRCUIT FUNCTION
5 (O/LB) 2 (W/LB) 44 (LB) 9 (LG/O) 511 (LG) 3 (LG/W) 385 (W/R)	Output to Right Rear Turn Lamps Output to Right Front Turn Lamps Power from Turn Flasher Output to Left Rear Turn Lamps Power from Stop Lamp Switch Output to Left Turn Lamps Power from Hazard Flasher	589 (O) 993 (BR/W) 590 (DB/W) 15 (R/Y) 13 (R/BK) 12 (LG/BK) 196 (DB/O)	Output to Interval Governor Reference Voltage from Interval Governor Output to Interval Governor Power to Dimmer, Hot in HEAD Dimmer to Hi Beams Dimmer to Hi Beams Battery Input, Flash-to-Pass



C231

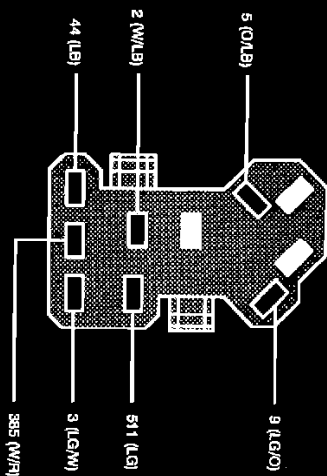


C230

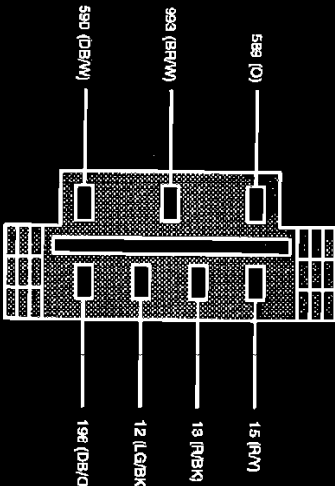
MULTI-FUNCTION SWITCH

Multi-Function Switch,

CIRCUIT	CIRCUIT FUNCTION	CIRCUIT	CIRCUIT FUNCTION
5 (O/LB) 2 (W/LB) 44 (LB) 9 (LG/O) 511 (LG) 3 (LG/W) 385 (W/R)	Output to Right Rear Turn Lamps Output to Right Front Turn Lamps Power from Turn Flasher Output to Left Rear Turn Lamps Power from Stop Lamp Switch Output to Left Turn Lamps Power from Hazard Flasher	589 (O) 993 (BR/W) 590 (DB/W) 15 (R/Y) 13 (R/BK) 12 (LG/BK) 196 (DB/O)	Output to Interval Governor Reference Voltage from Interval Governor Output to Interval Governor Power to Dimmer, Hot in HEAD Dimmer to Hi Beams Dimmer to Hi Beams Battery Input, Flash-to-Pass



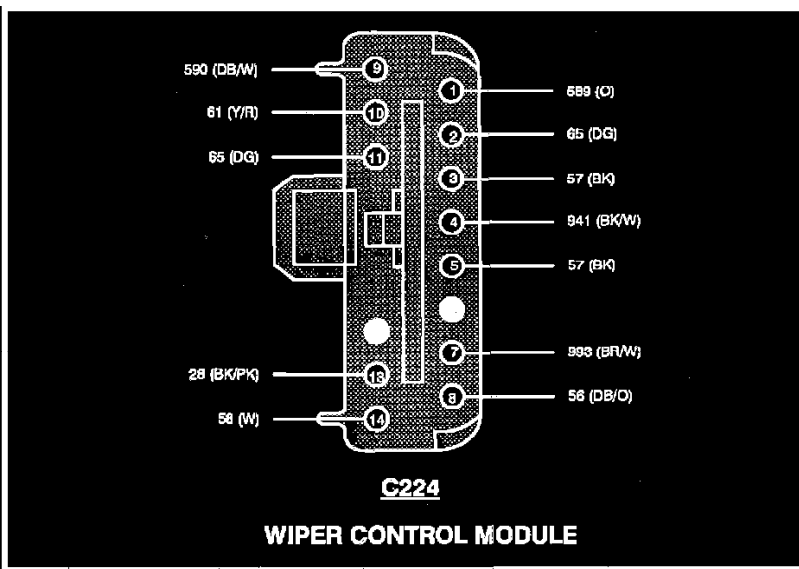
C231



C230

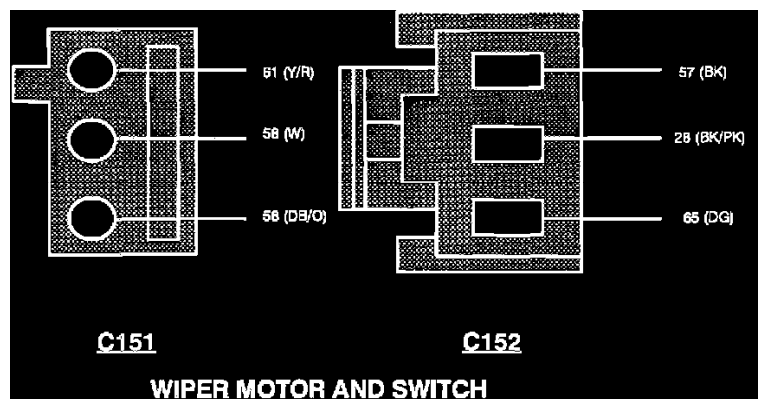
MULTI-FUNCTION SWITCH

Multi-Function Switch,



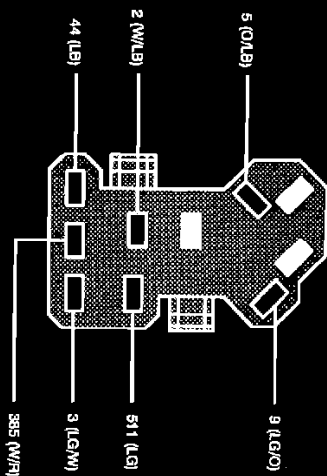
PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
1	589 (O)	Wiper Control Module to Multi-Function Stalk
2	65 (DG)	Power (Hot in ACC or RUN)
3	57 (BK)	Ground
4	941 (BK/W)	Power to Washer Pump Motor
5	57 (BK)	Ground
6	—	NOT USED
7	993 (BR/W)	Wiper Control Module to Multi-Function Stalk
8	56 (DB/O)	Reference
9	590 (DB/W)	Power to Wiper Motor (Lo)
10	61 (Y/R)	Wiper Control Module to Multi-Function Stalk
11	65 (DG)	Motor Common (Grounded)
12	—	Power (Hot in ACC or RUN)
13	28 (BK/PK)	NOT USED
14	58 (W)	Input from Park Switch Power to Wiper Motor (Hi)

Wiper Control Module

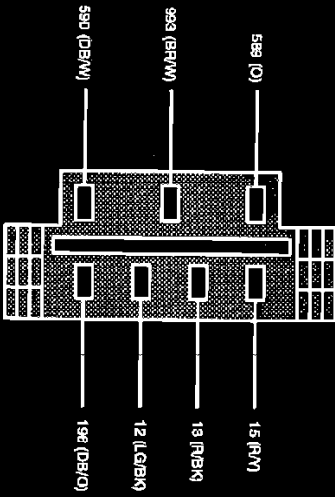


Wiper Motor And Switch

CIRCUIT	CIRCUIT FUNCTION	CIRCUIT	CIRCUIT FUNCTION
5 (O/LB) 2 (W/LB) 44 (LB) 9 (LG/O) 511 (LG) 3 (LG/W) 385 (W/R)	Output to Right Rear Turn Lamps Output to Right Front Turn Lamps Power from Turn Flasher Output to Left Rear Turn Lamps Power from Stop Lamp Switch Output to Left Turn Lamps Power from Hazard Flasher	589 (O) 993 (BR/W) 590 (DB/W) 15 (R/Y) 13 (R/BK) 12 (LG/BK) 196 (DB/O)	Output to Interval Governor Reference Voltage from Interval Governor Output to Interval Governor Power to Dimmer, Hot in HEAD Dimmer to Hi Beams Dimmer to Hi Beams Battery Input, Flash-to-Pass



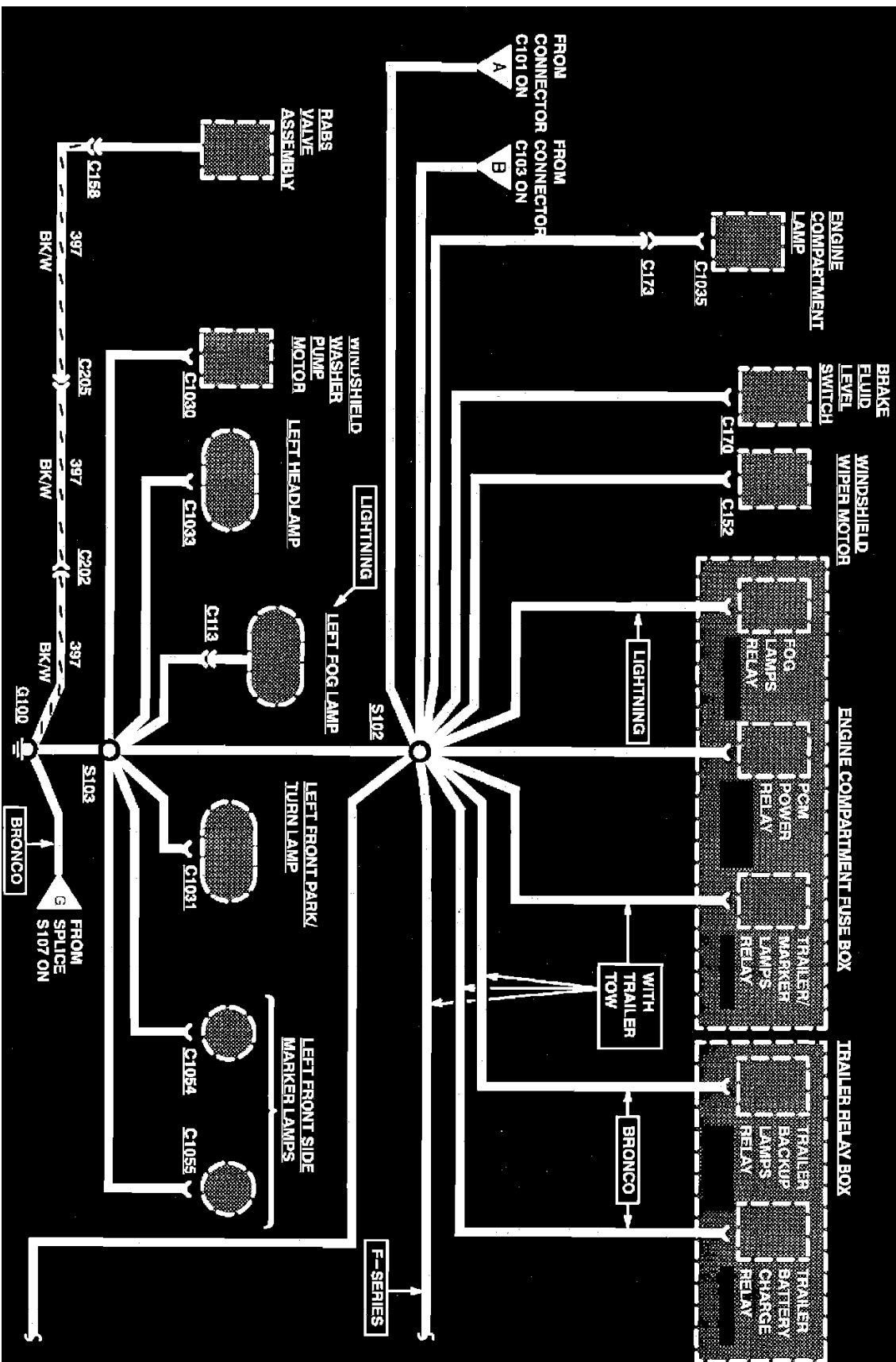
C231



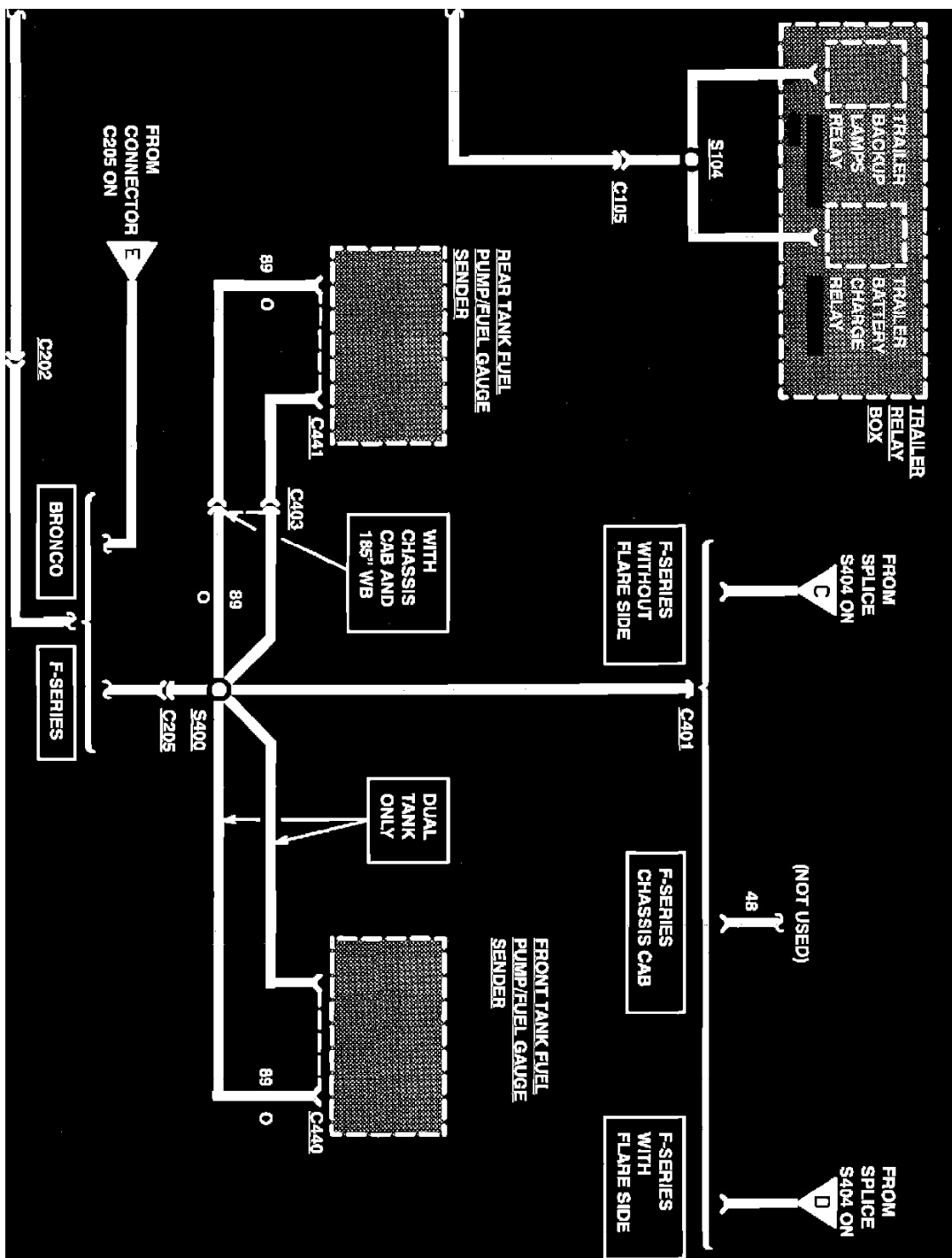
C230

MULTI-FUNCTION SWITCH

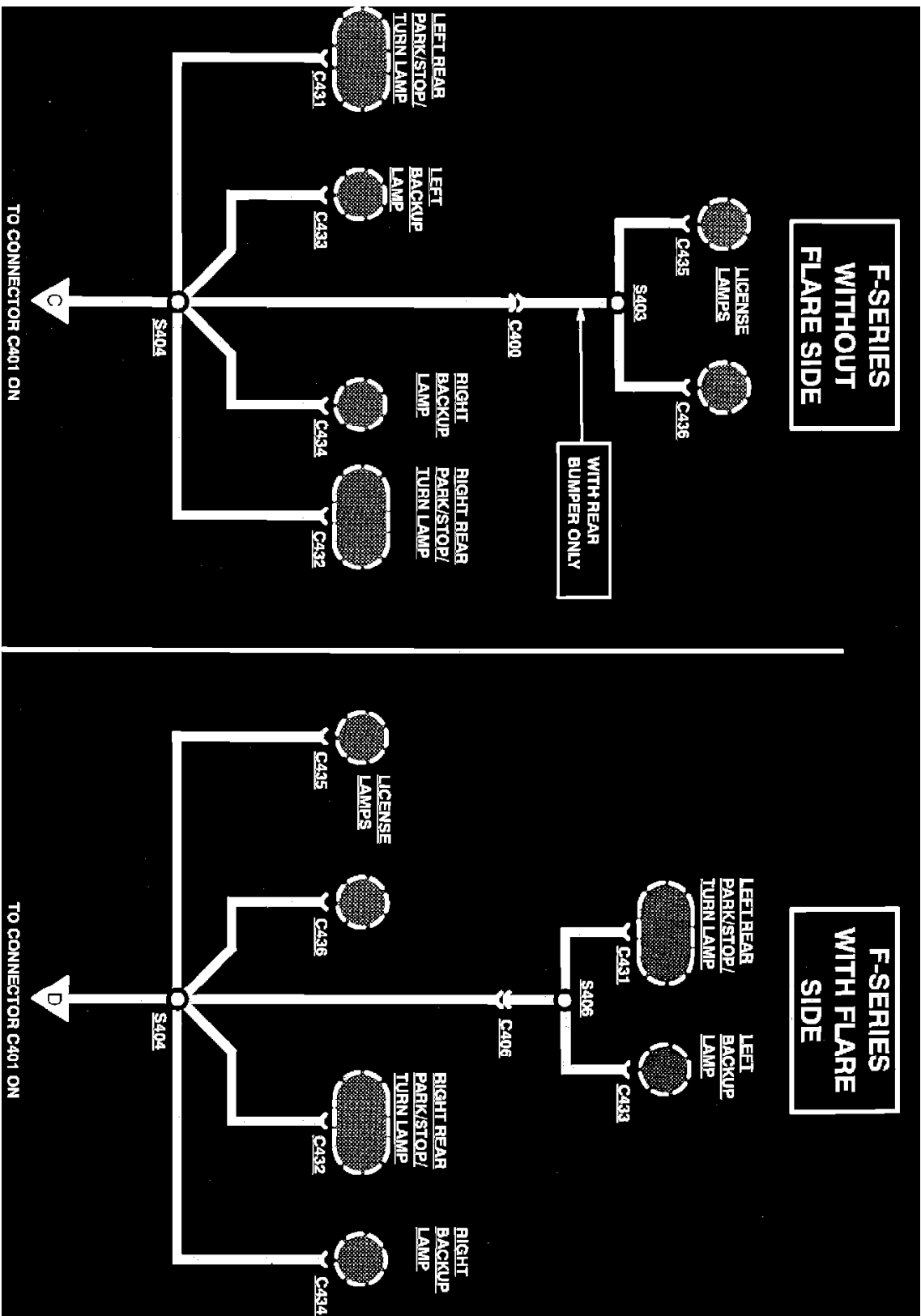
Multi-Function Switch,



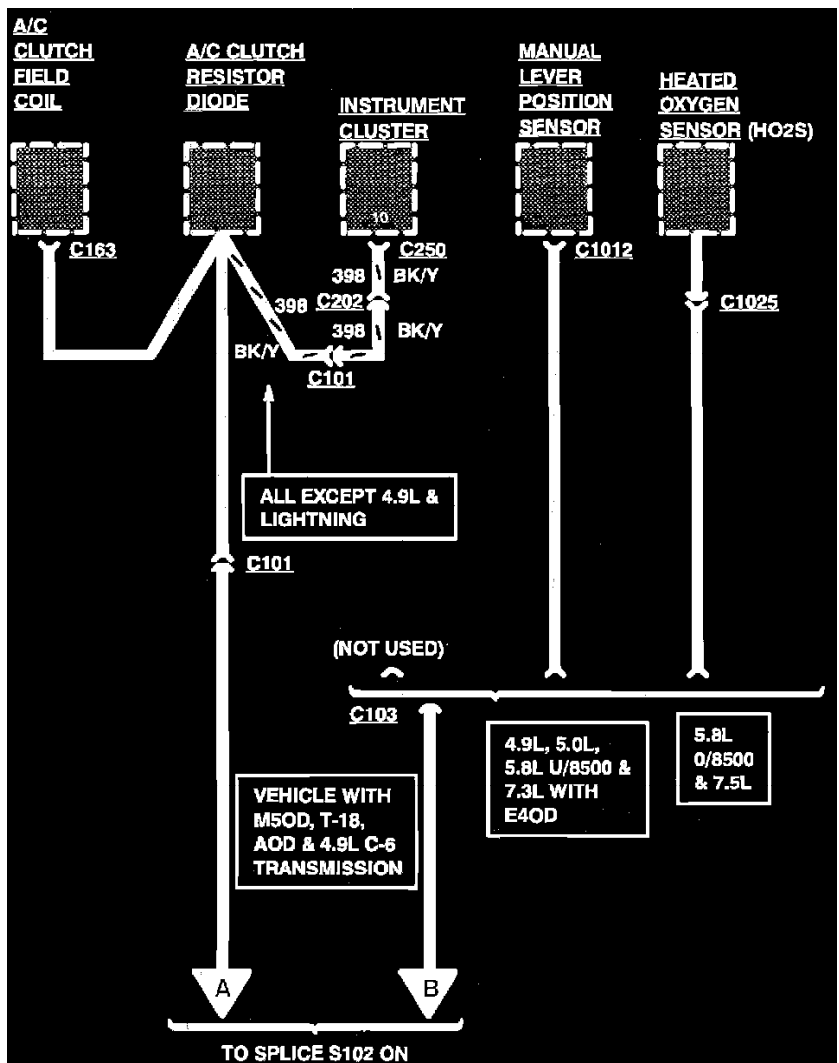
Grounds



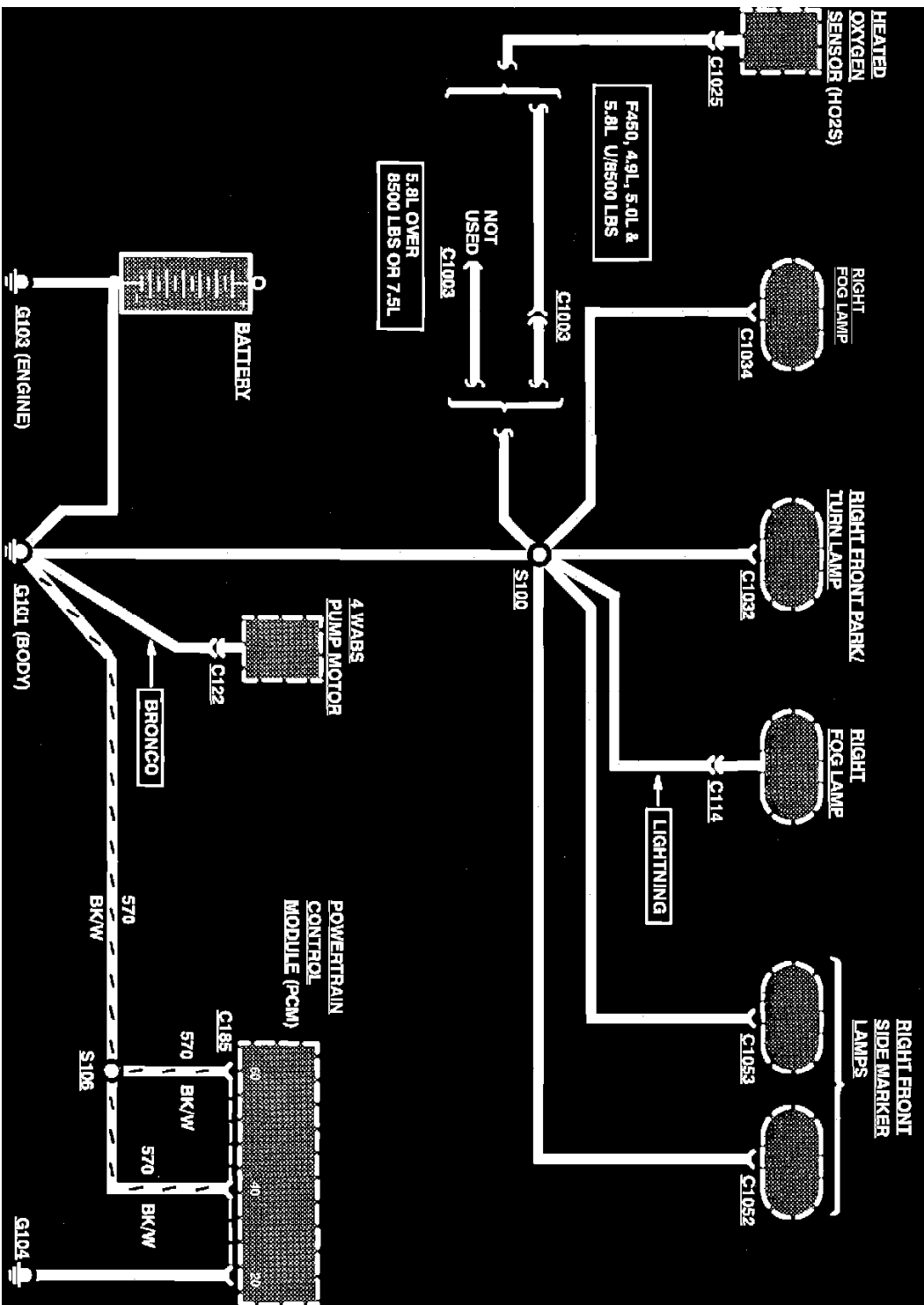
Grounds



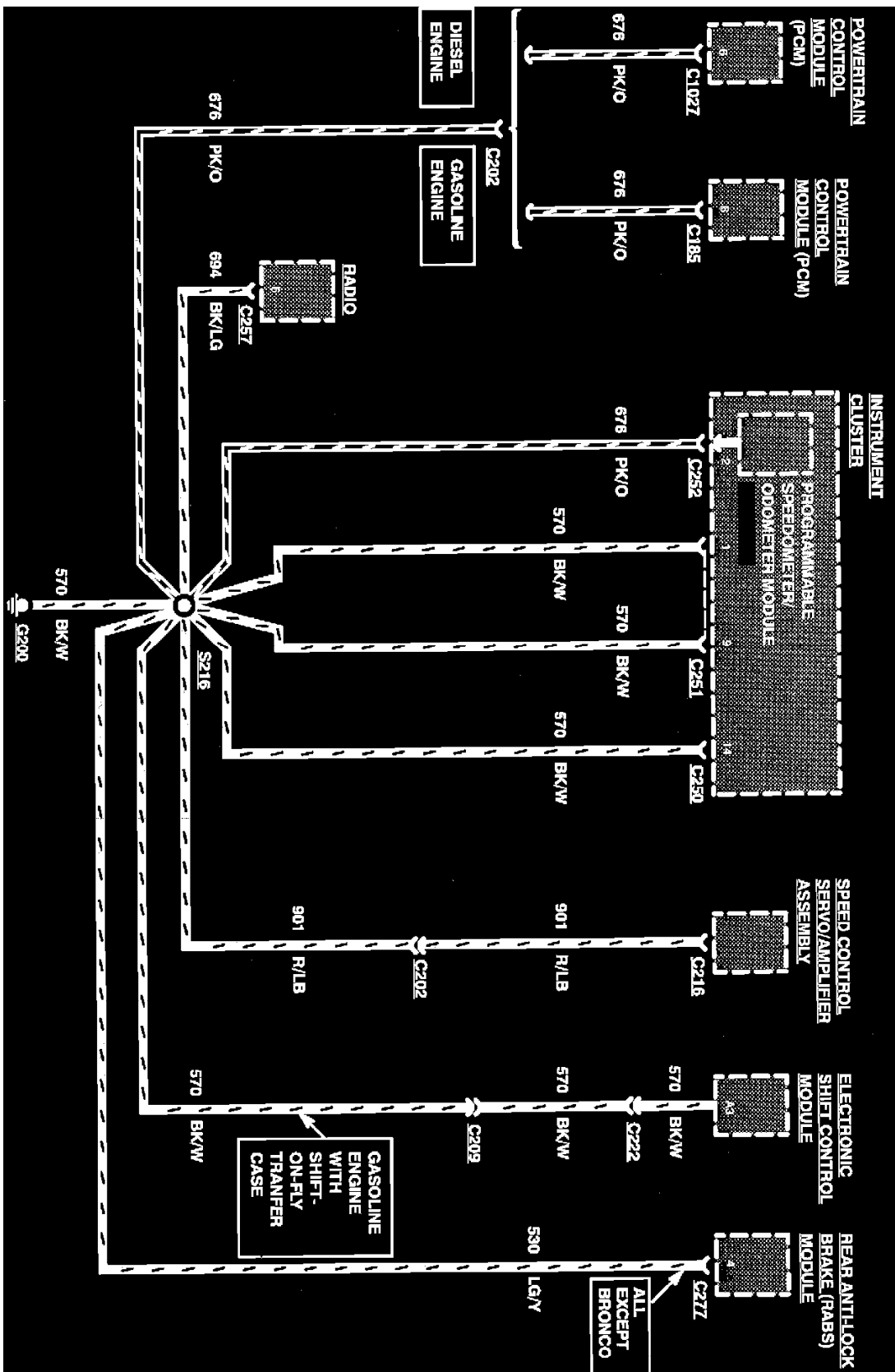
Grounds



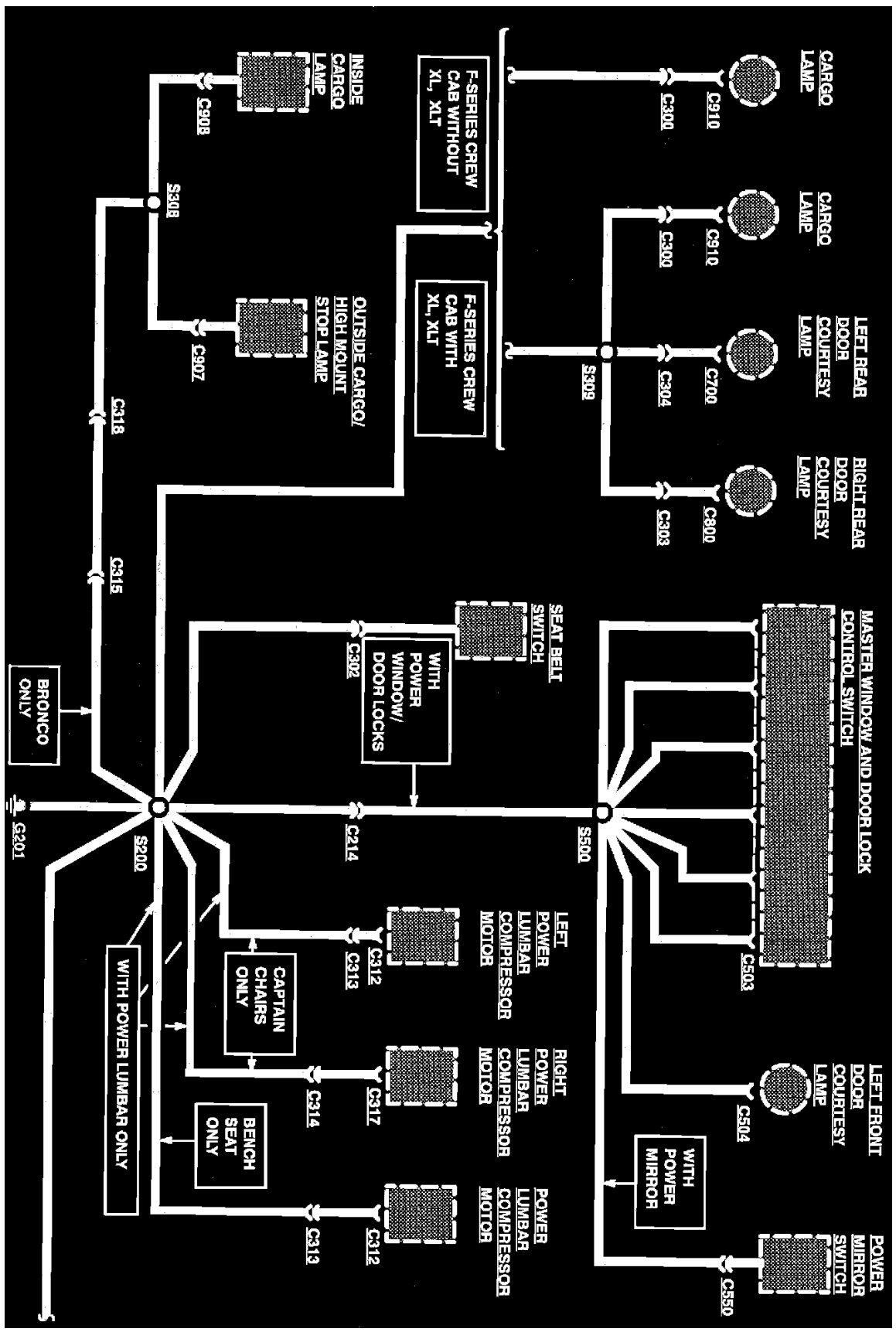
Grounds



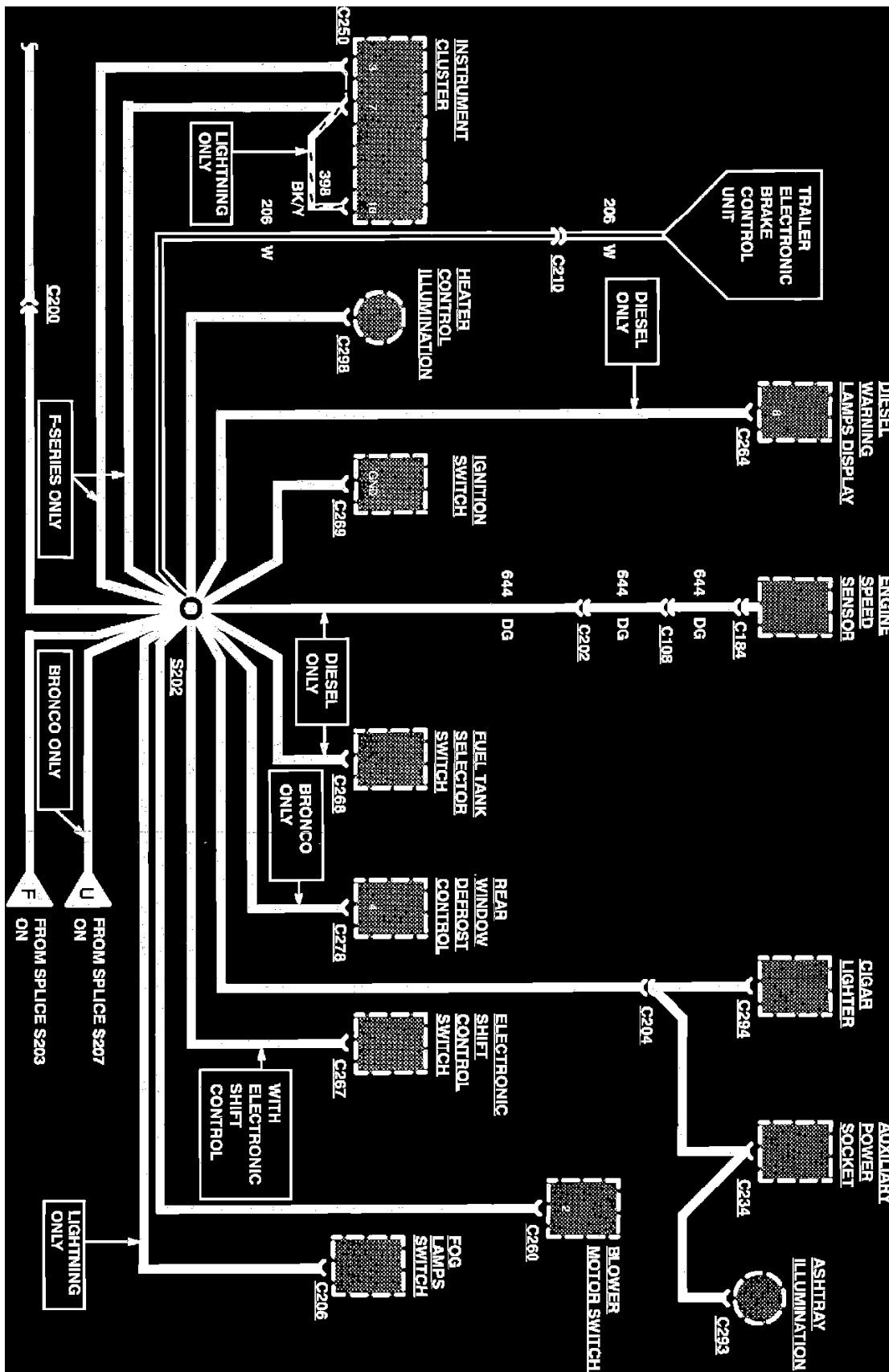
Grounds



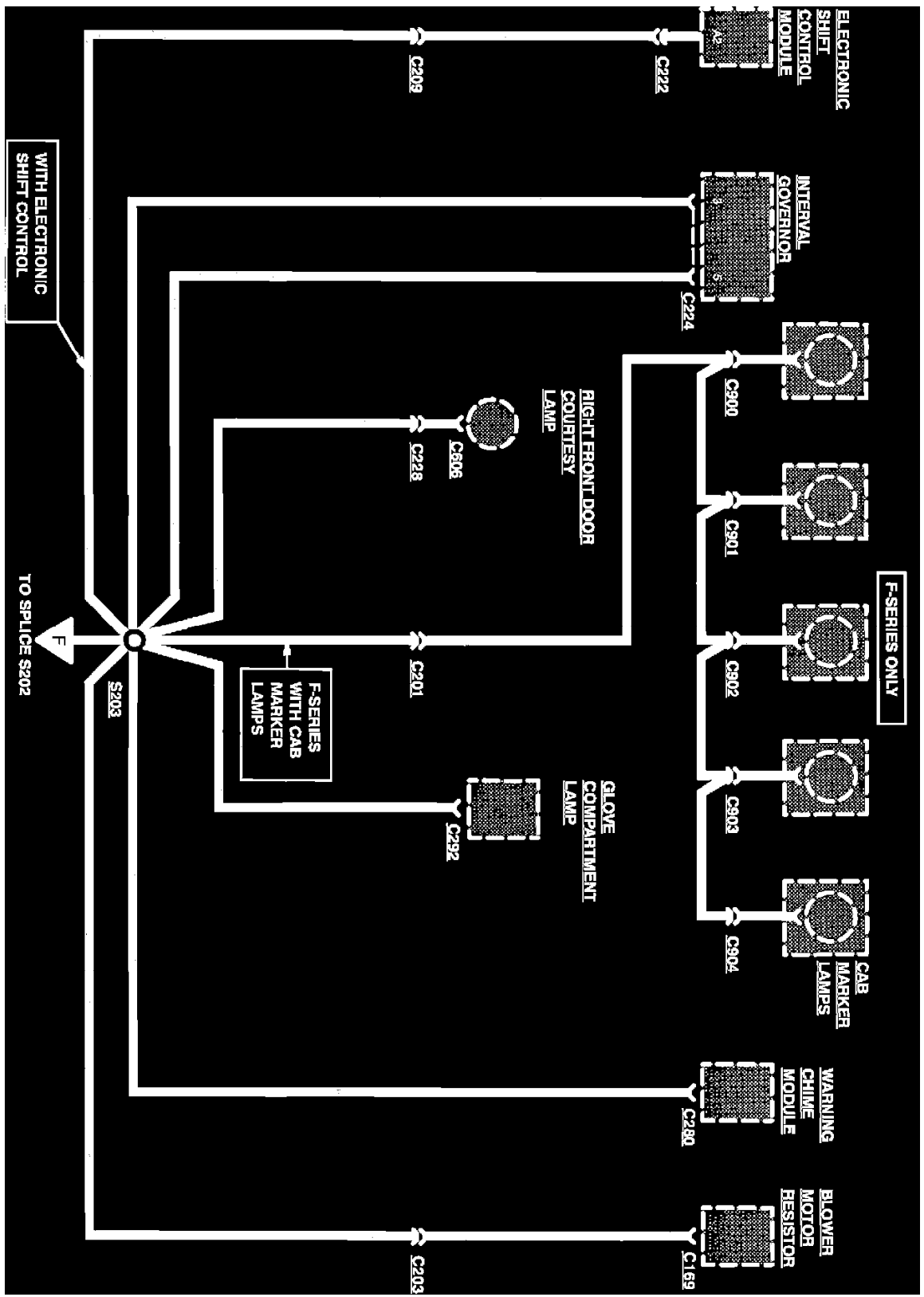
Grounds



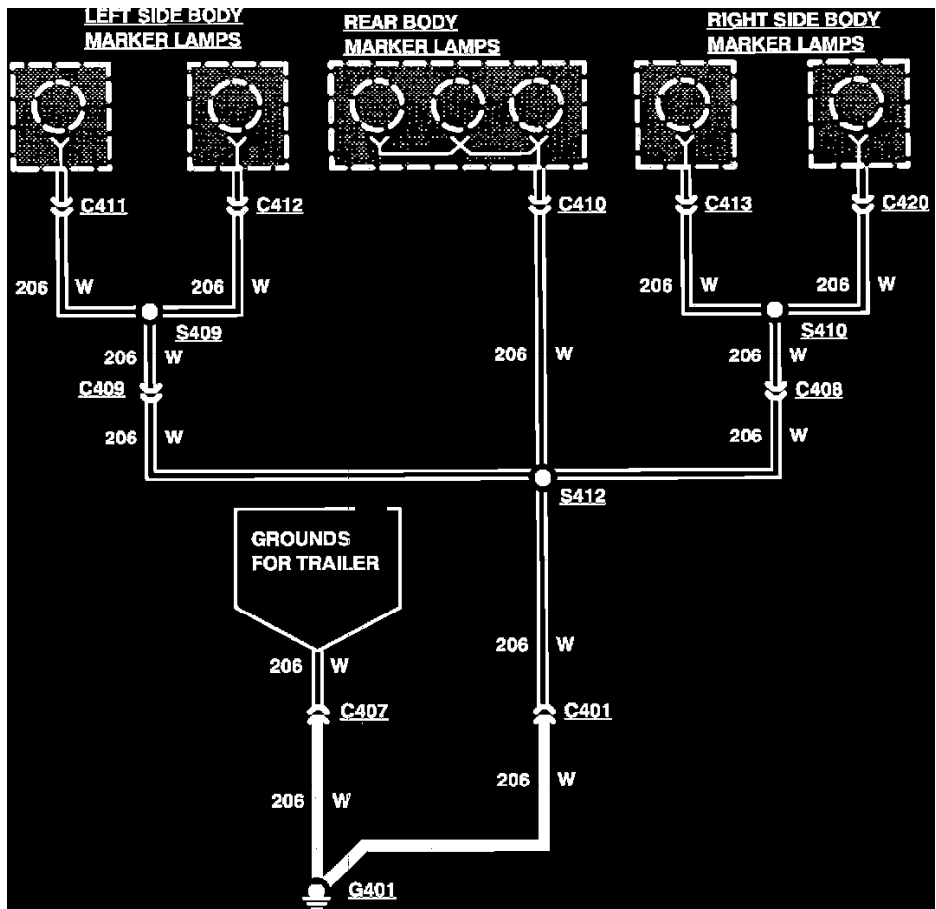
Grounds



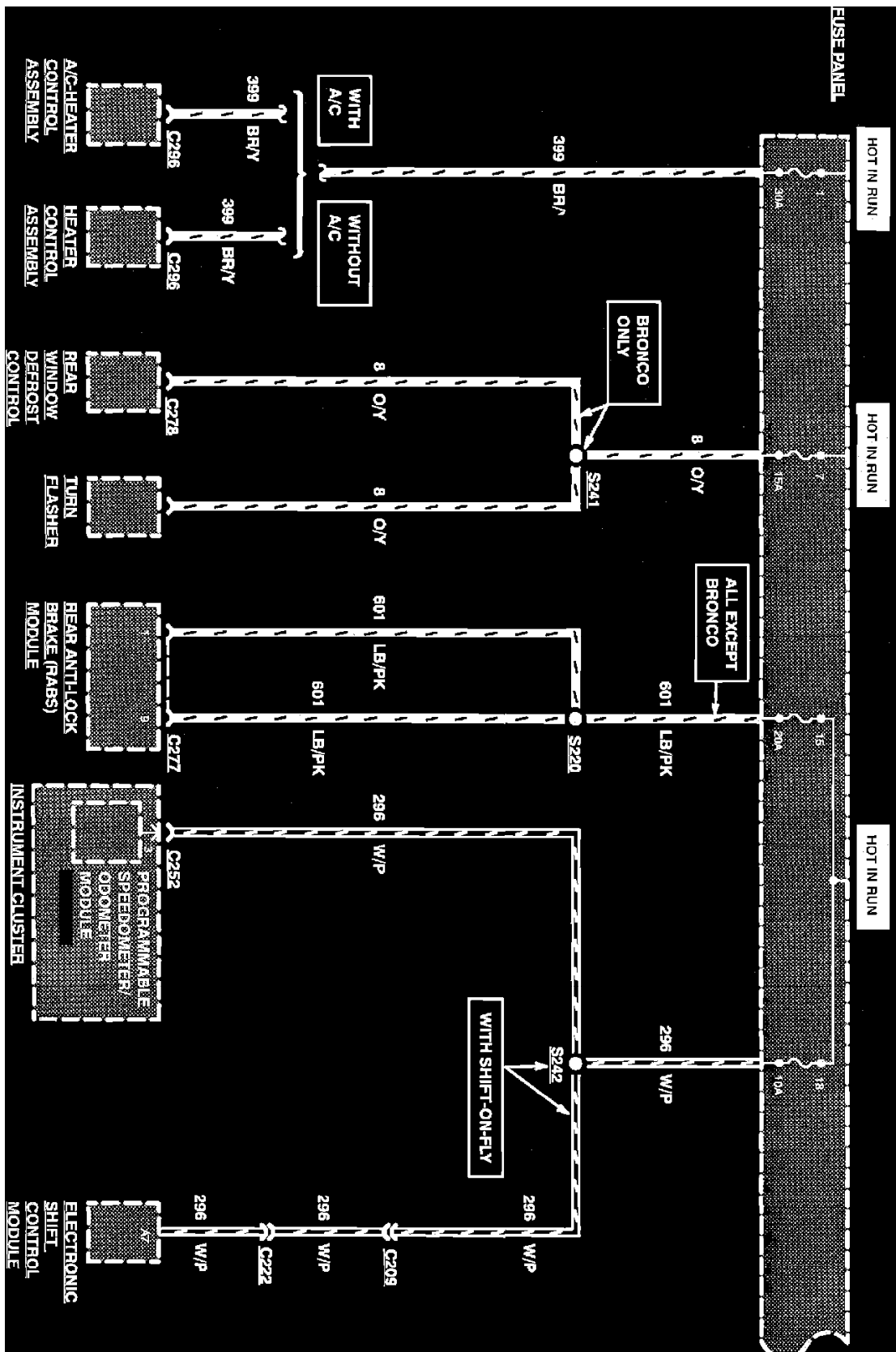
Grounds



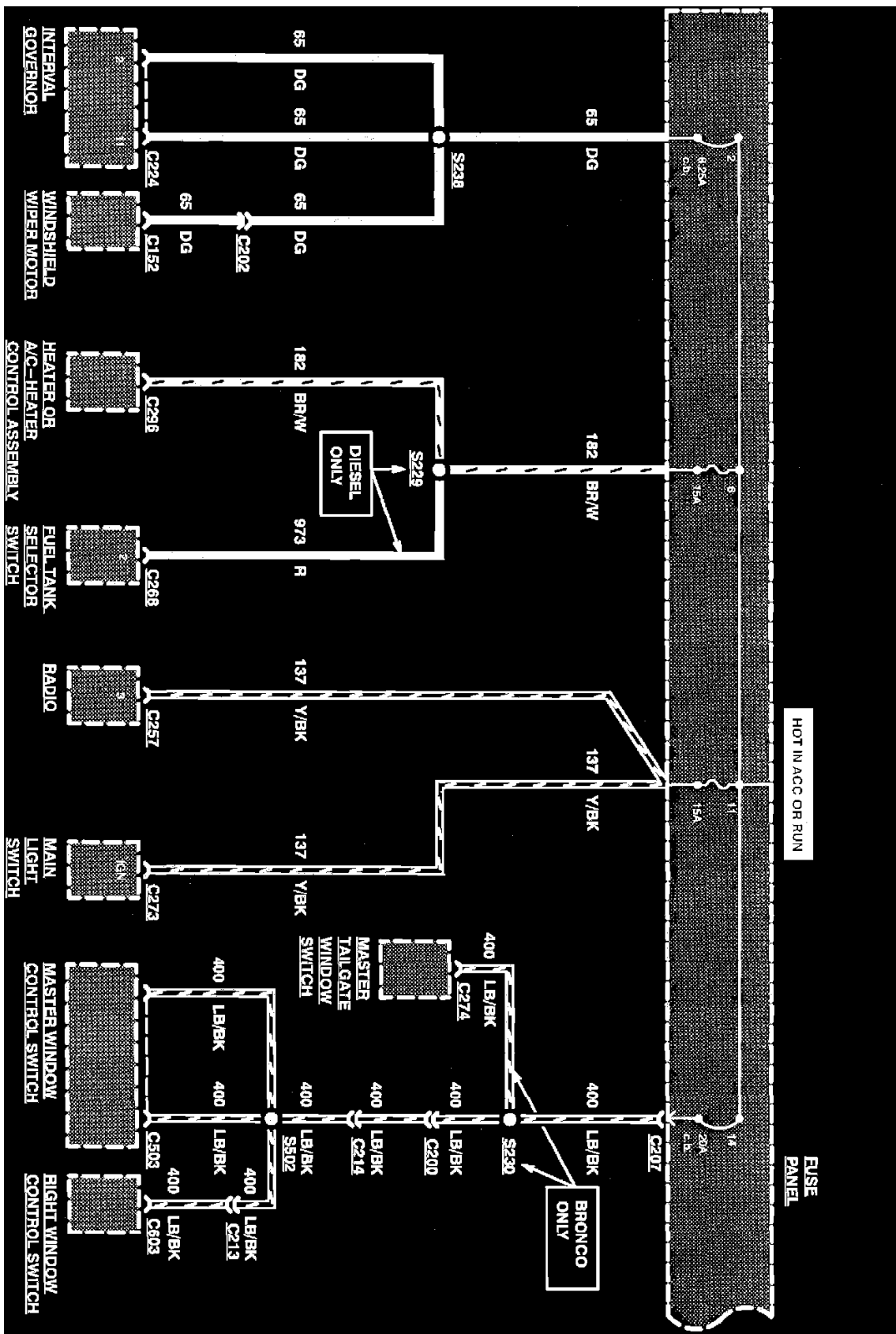
Grounds



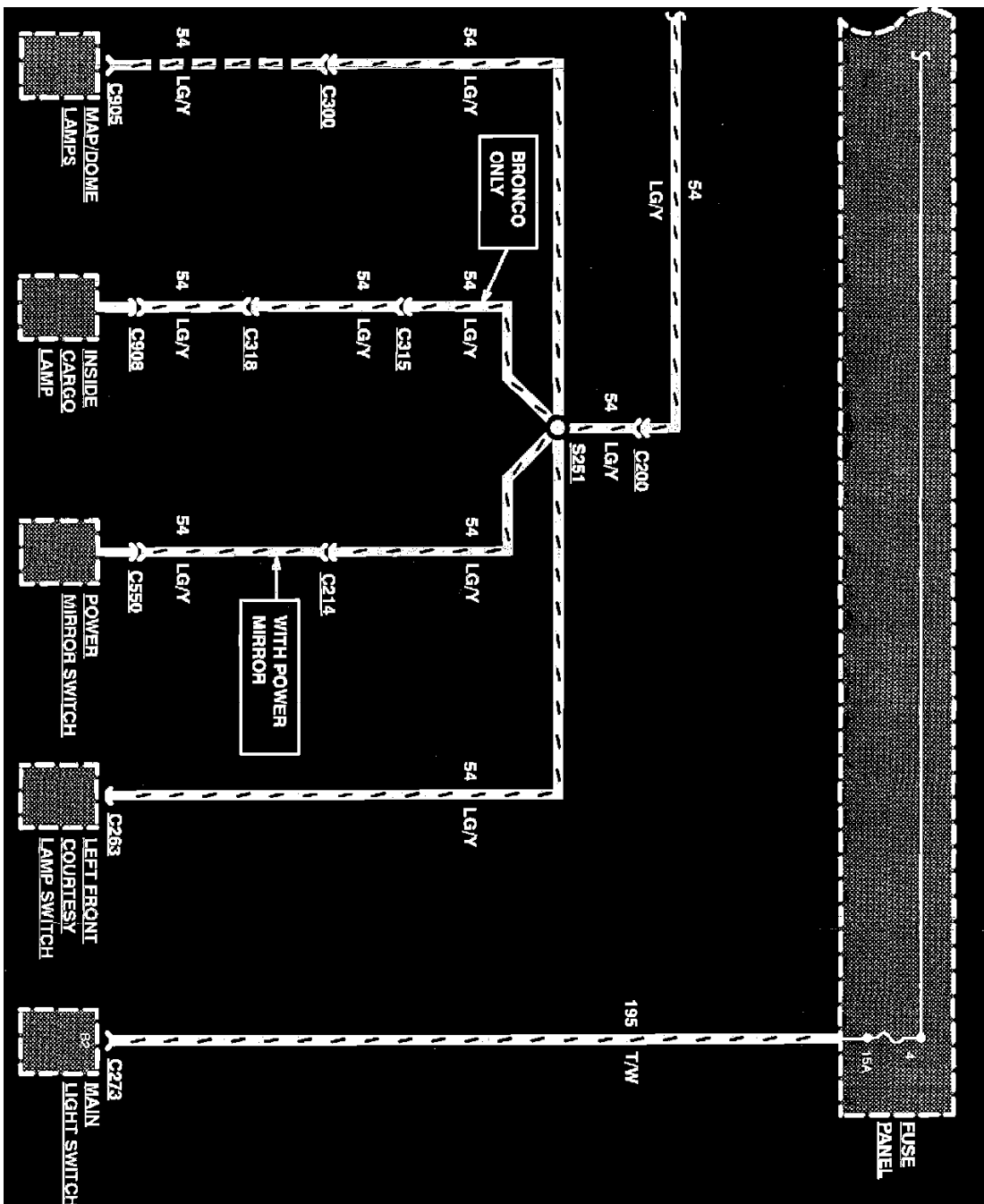
Grounds



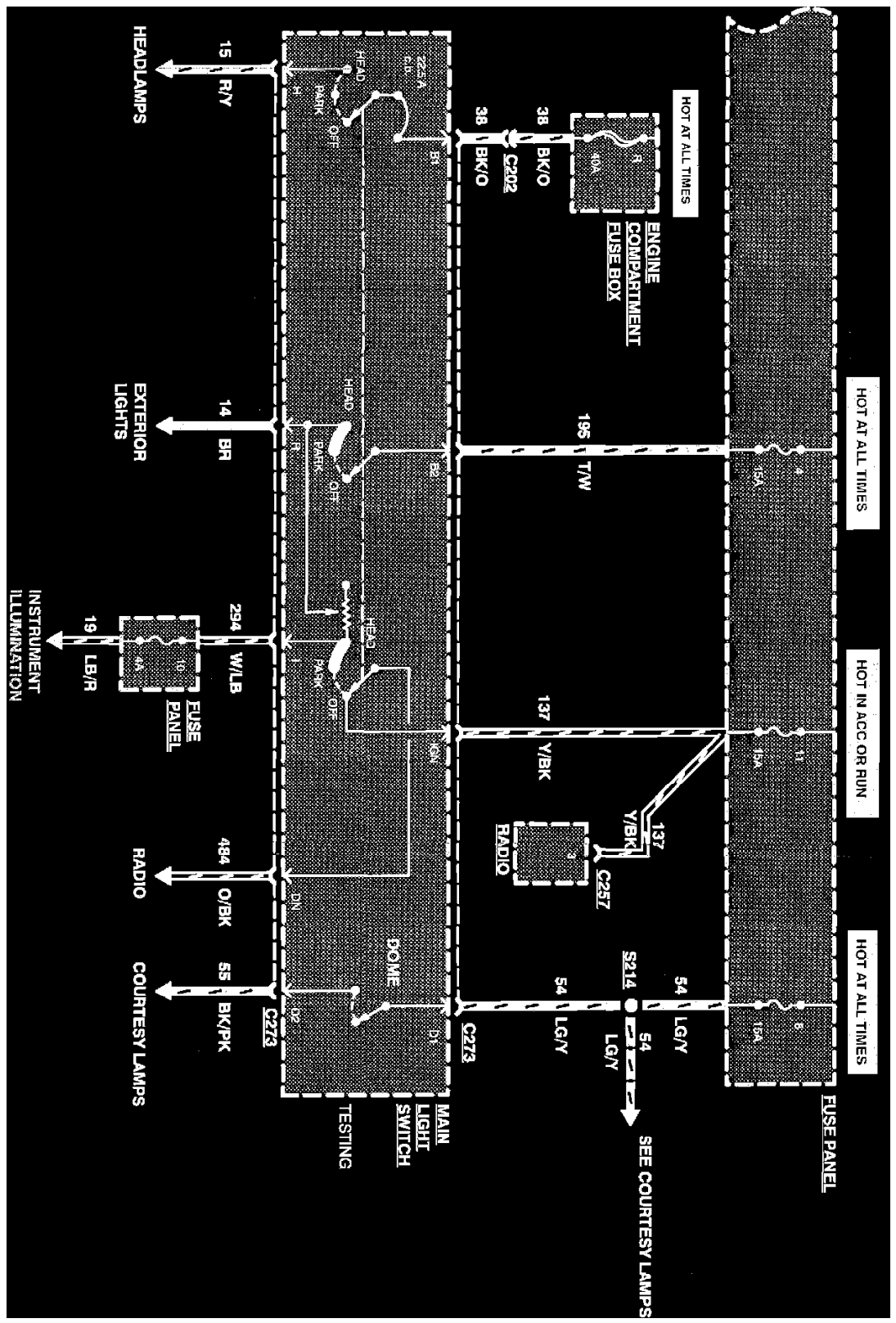
Power Distribution



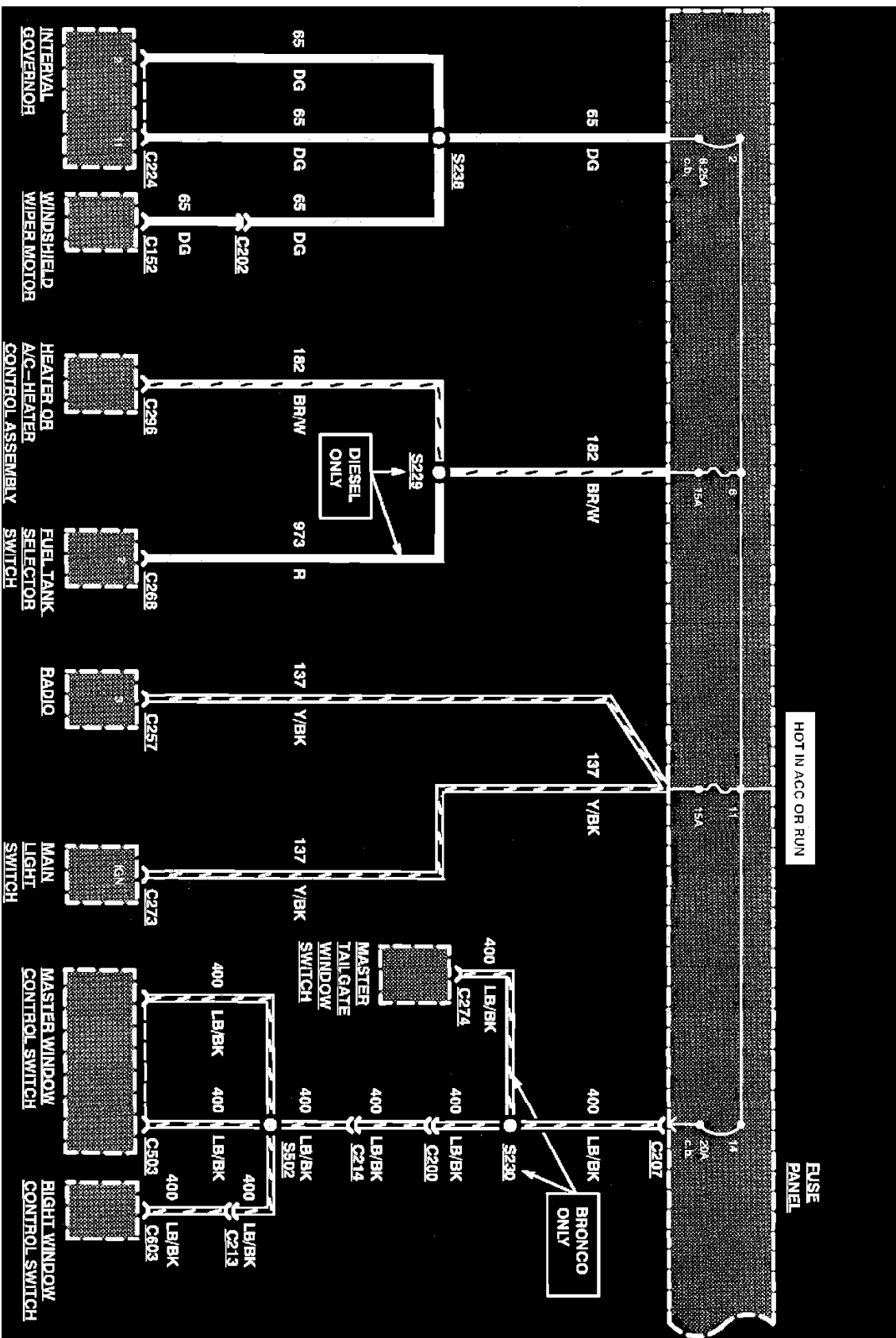
Power Distribution



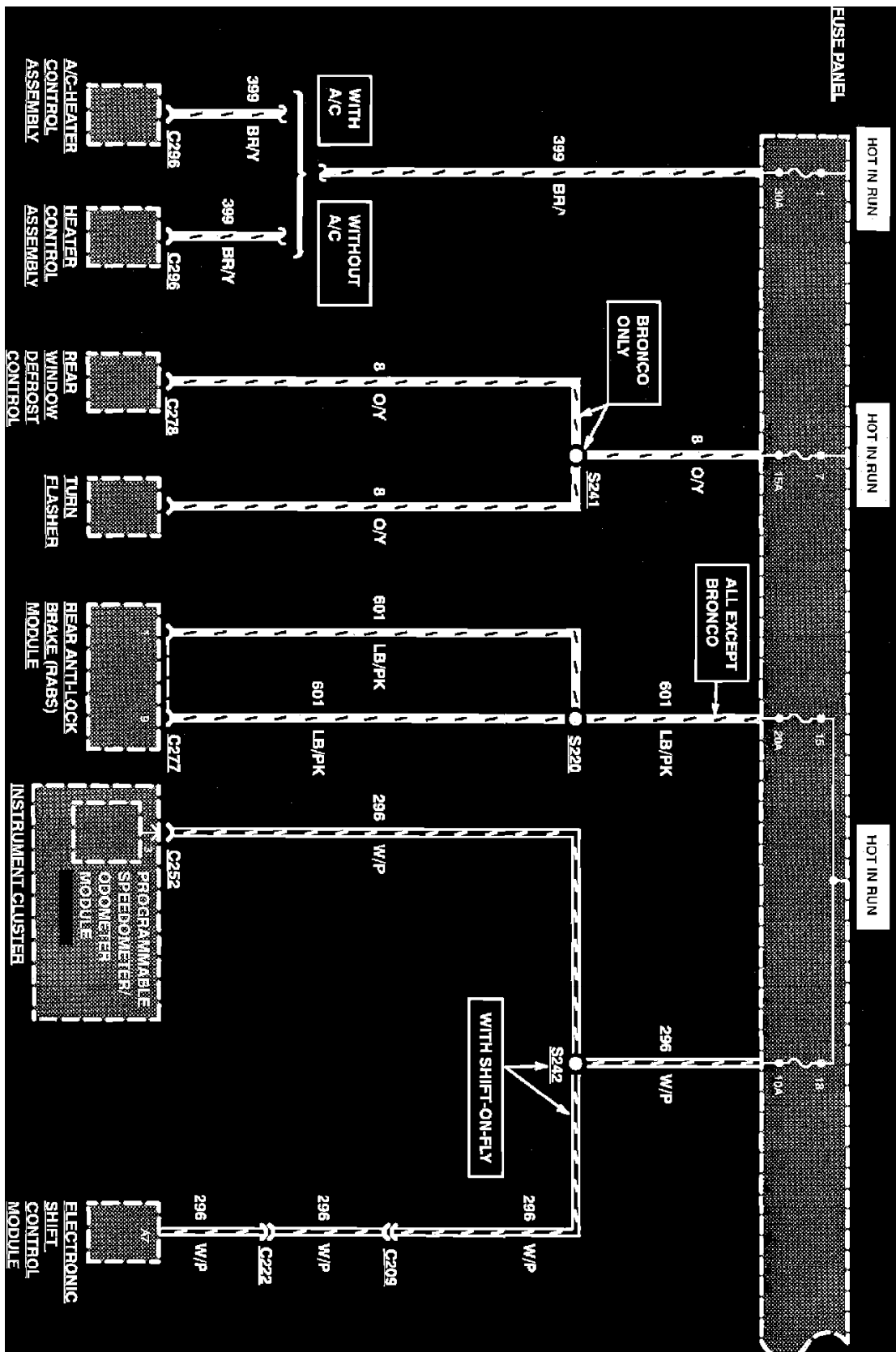
Power Distribution



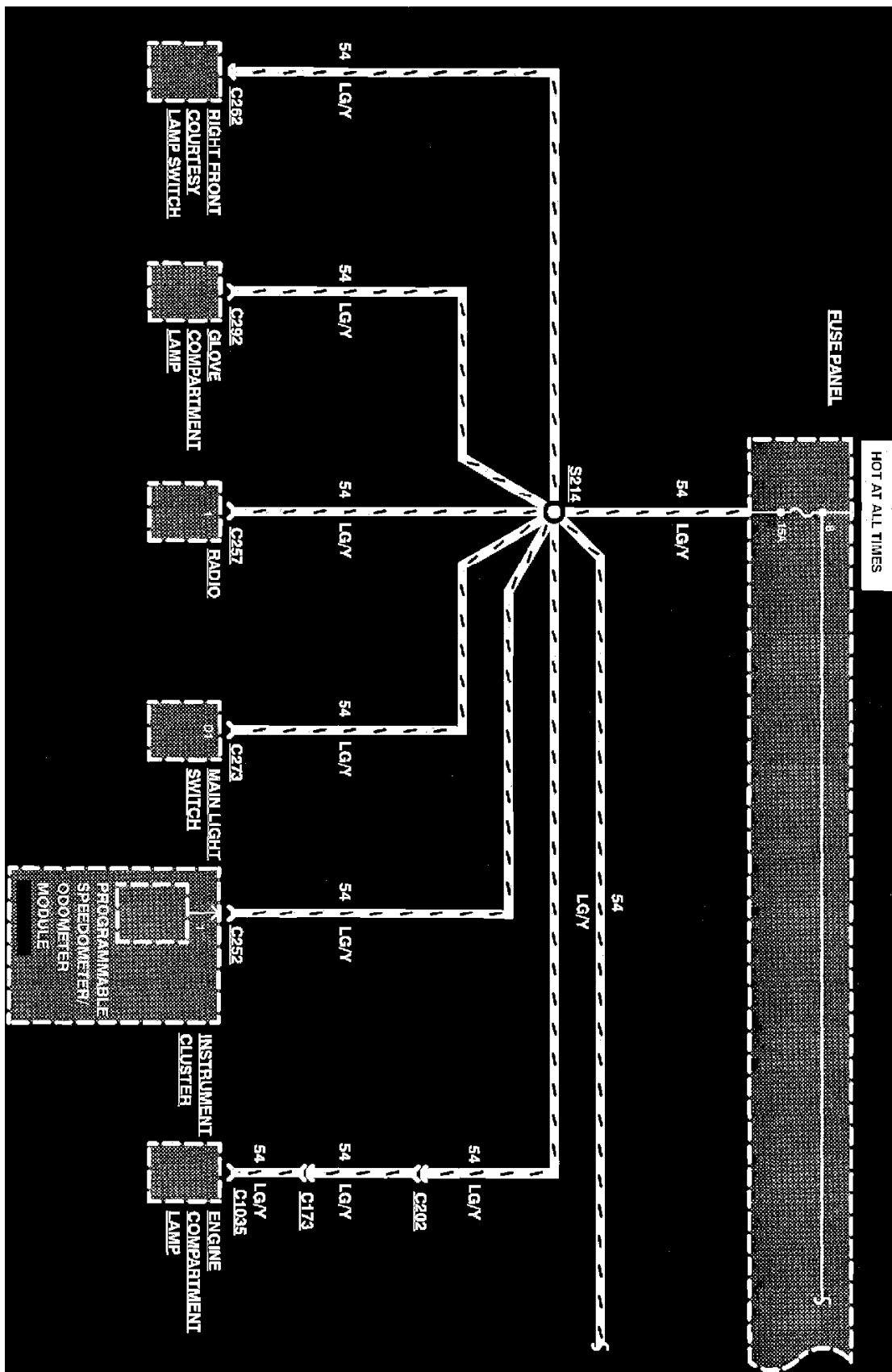
Power Distribution



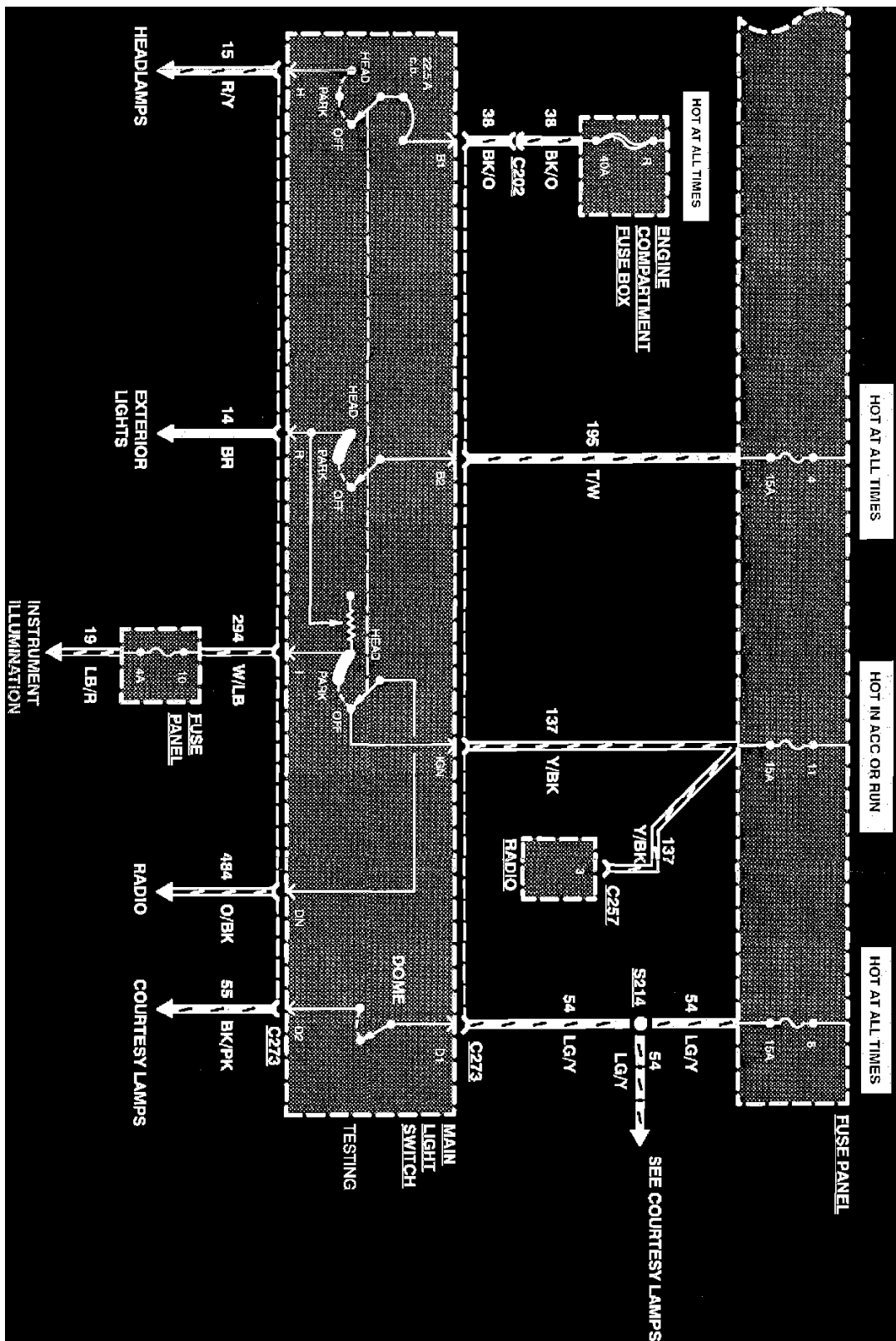
Power Distribution



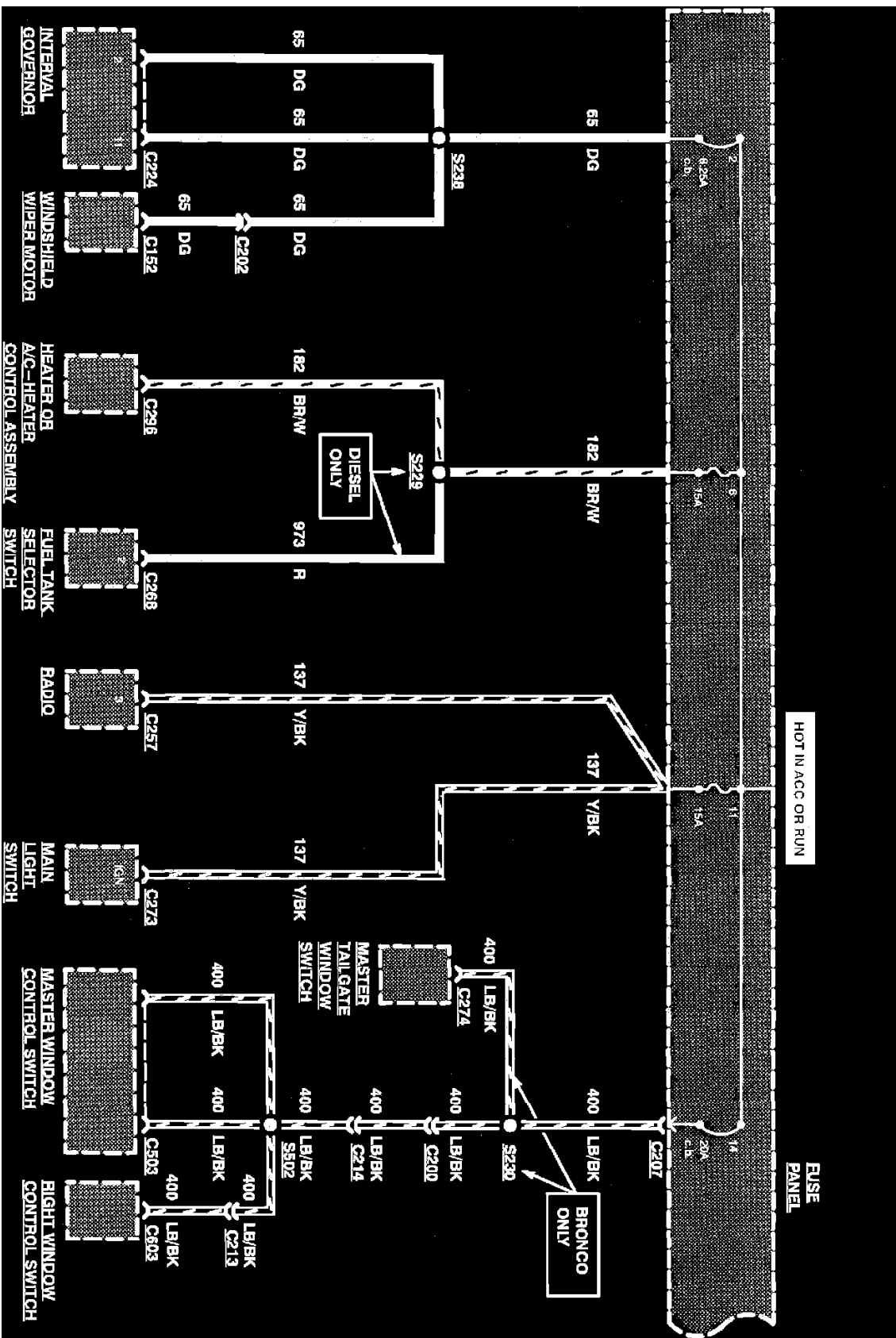
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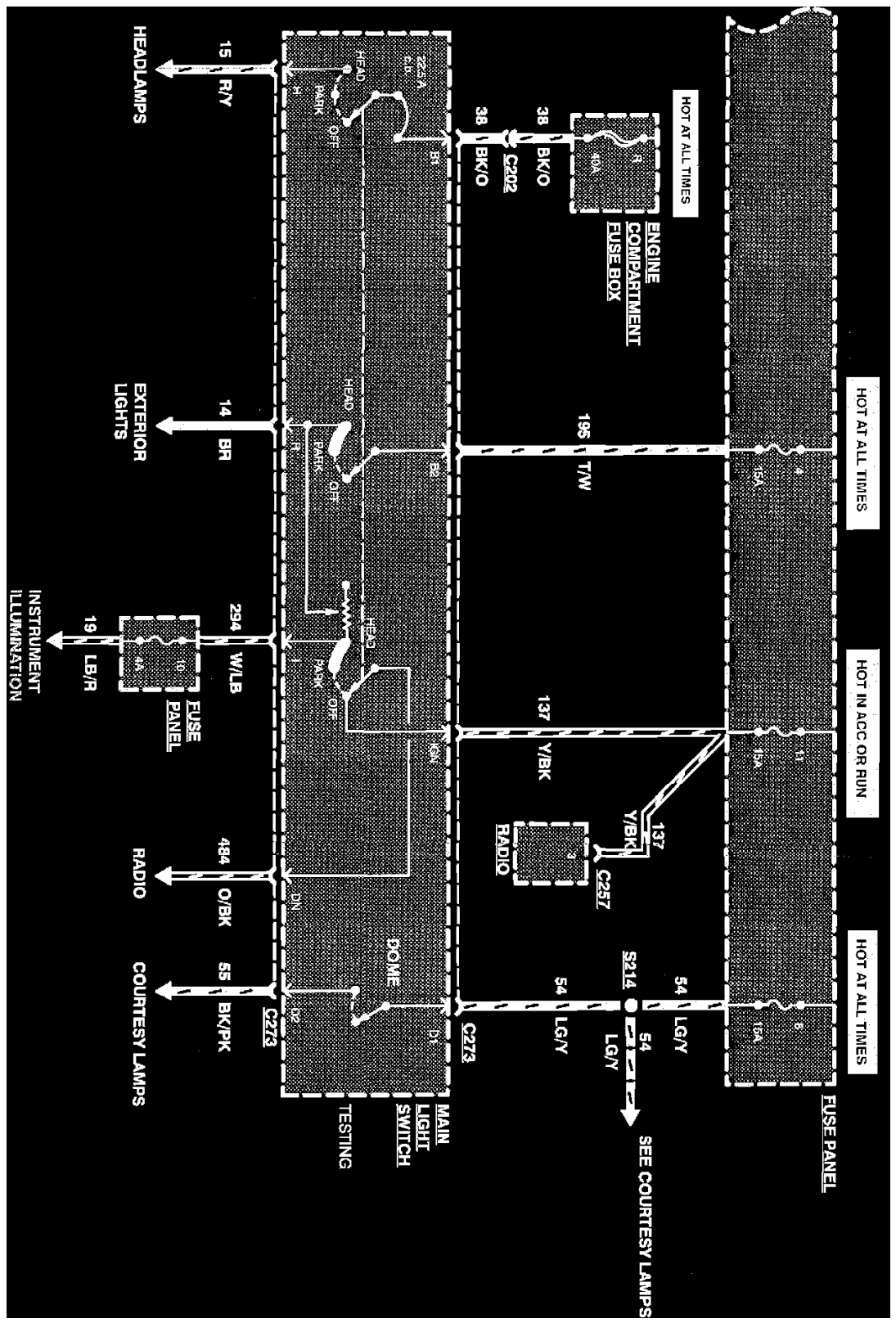
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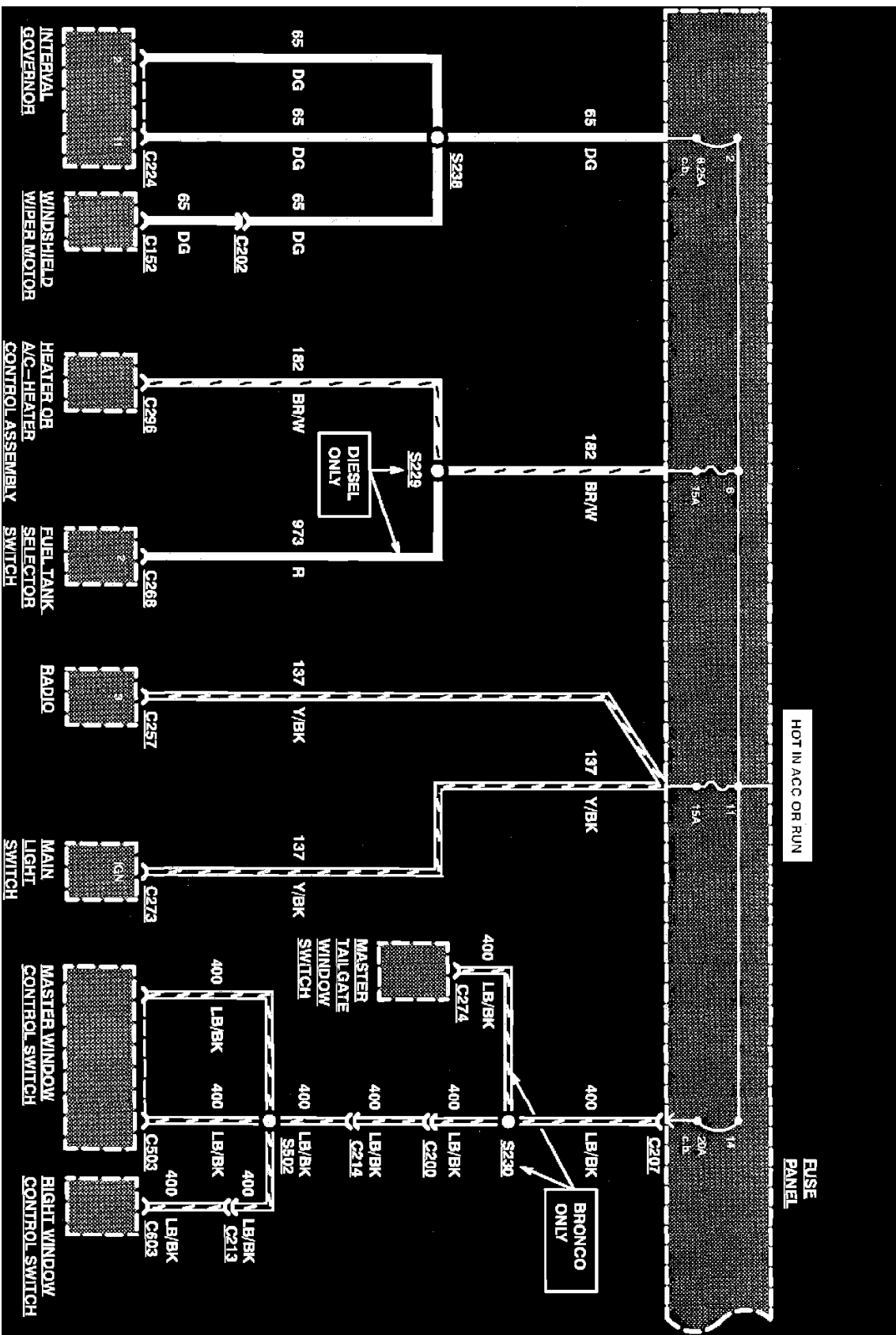
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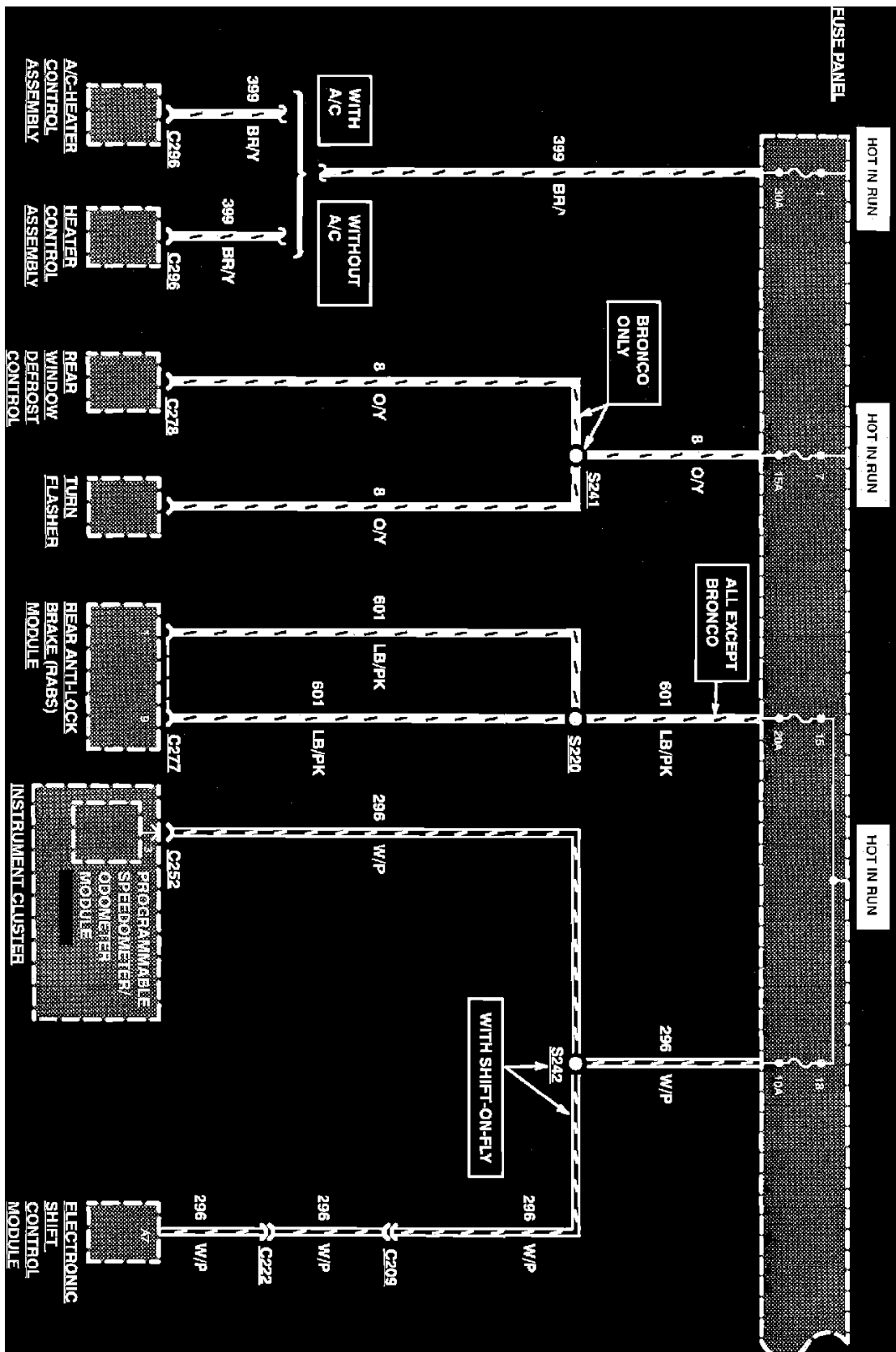
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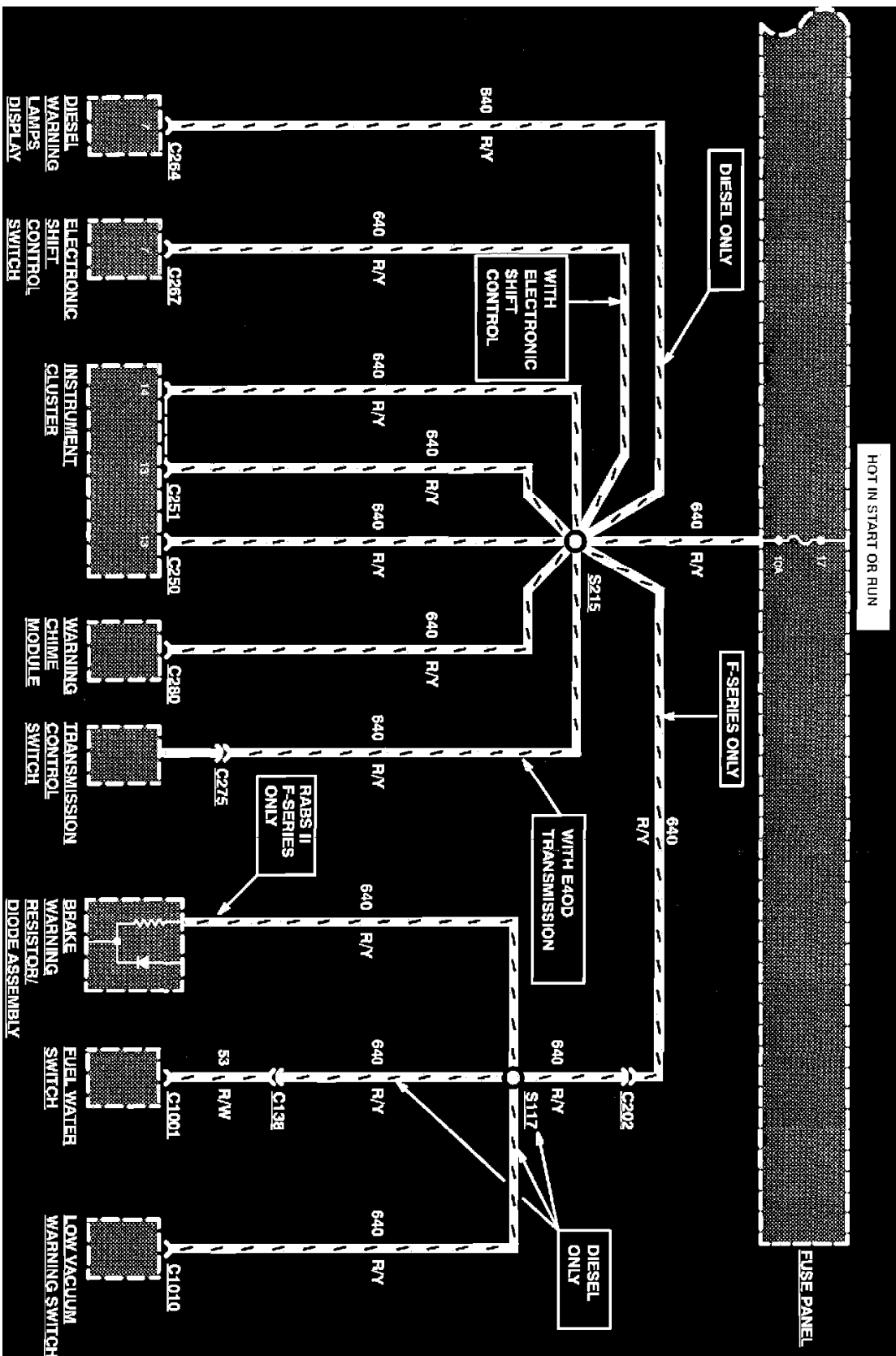
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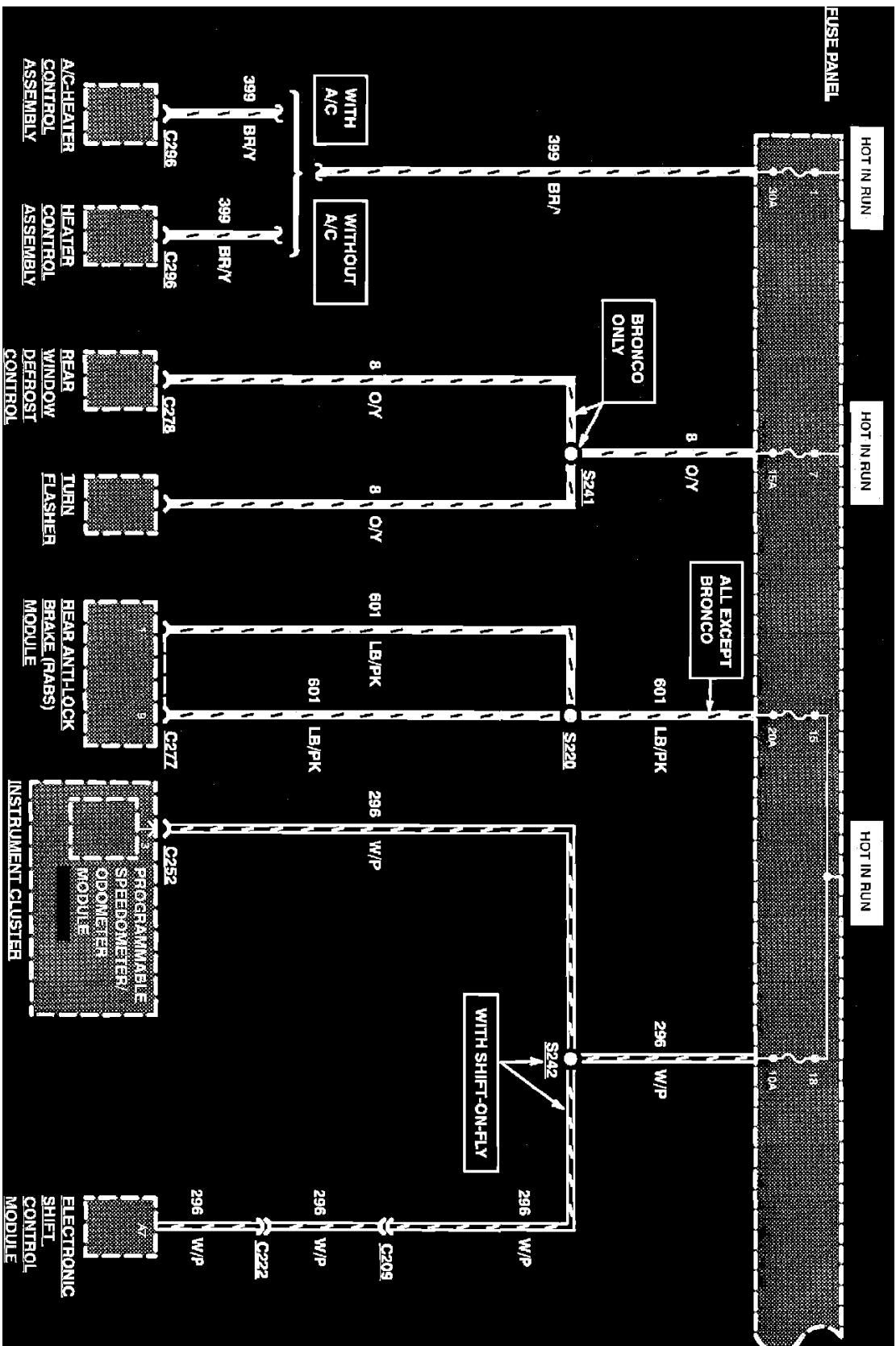
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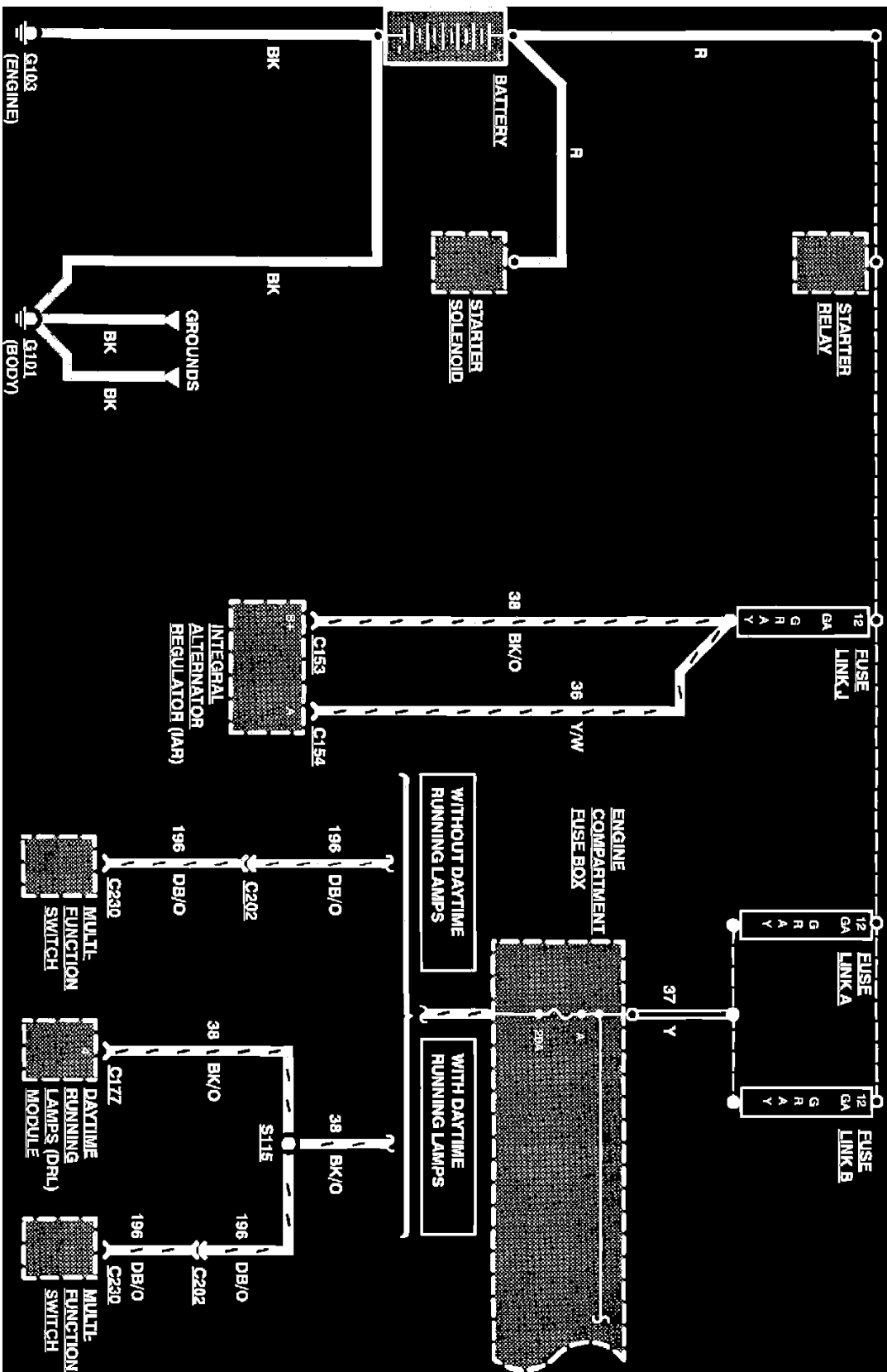
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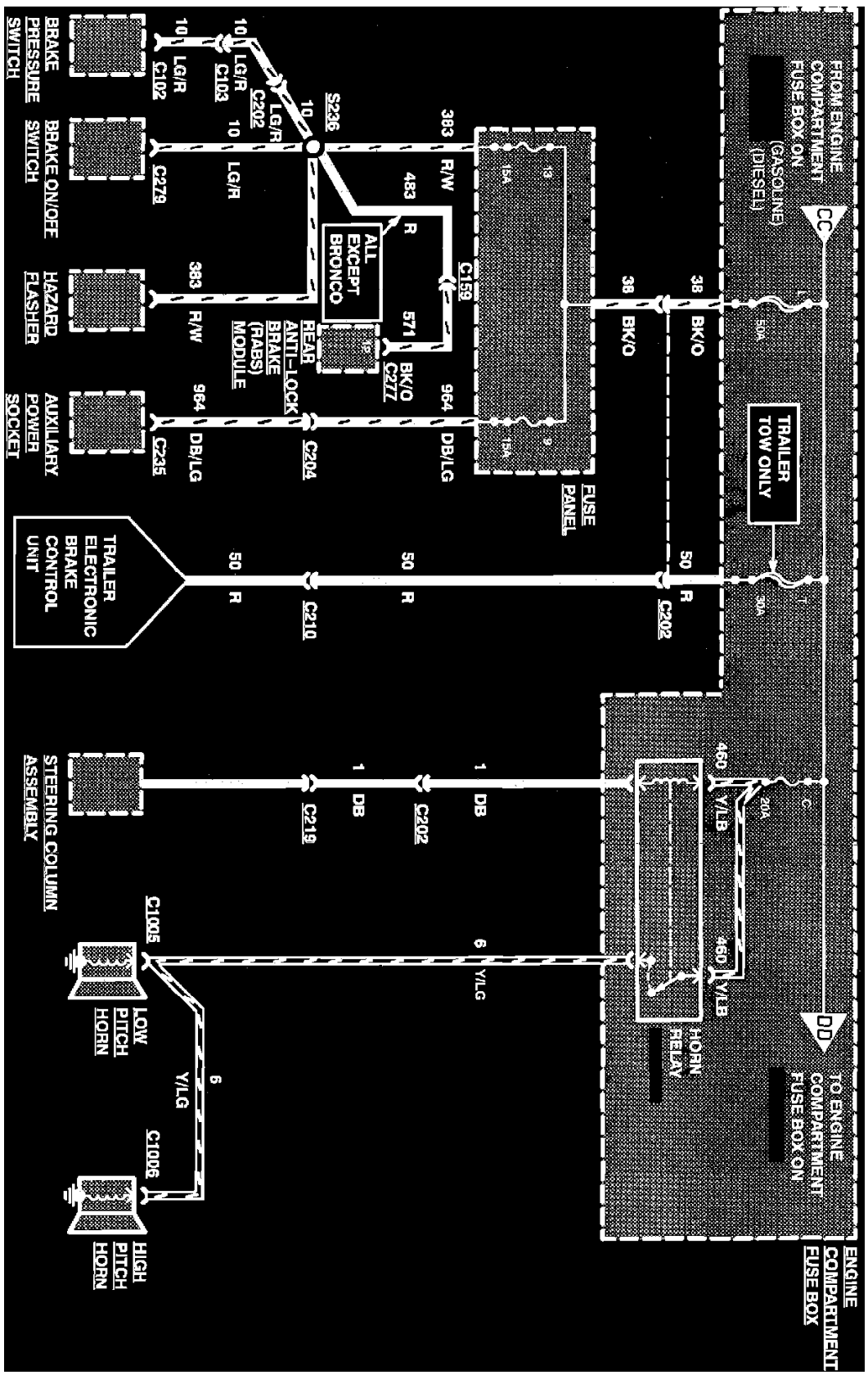
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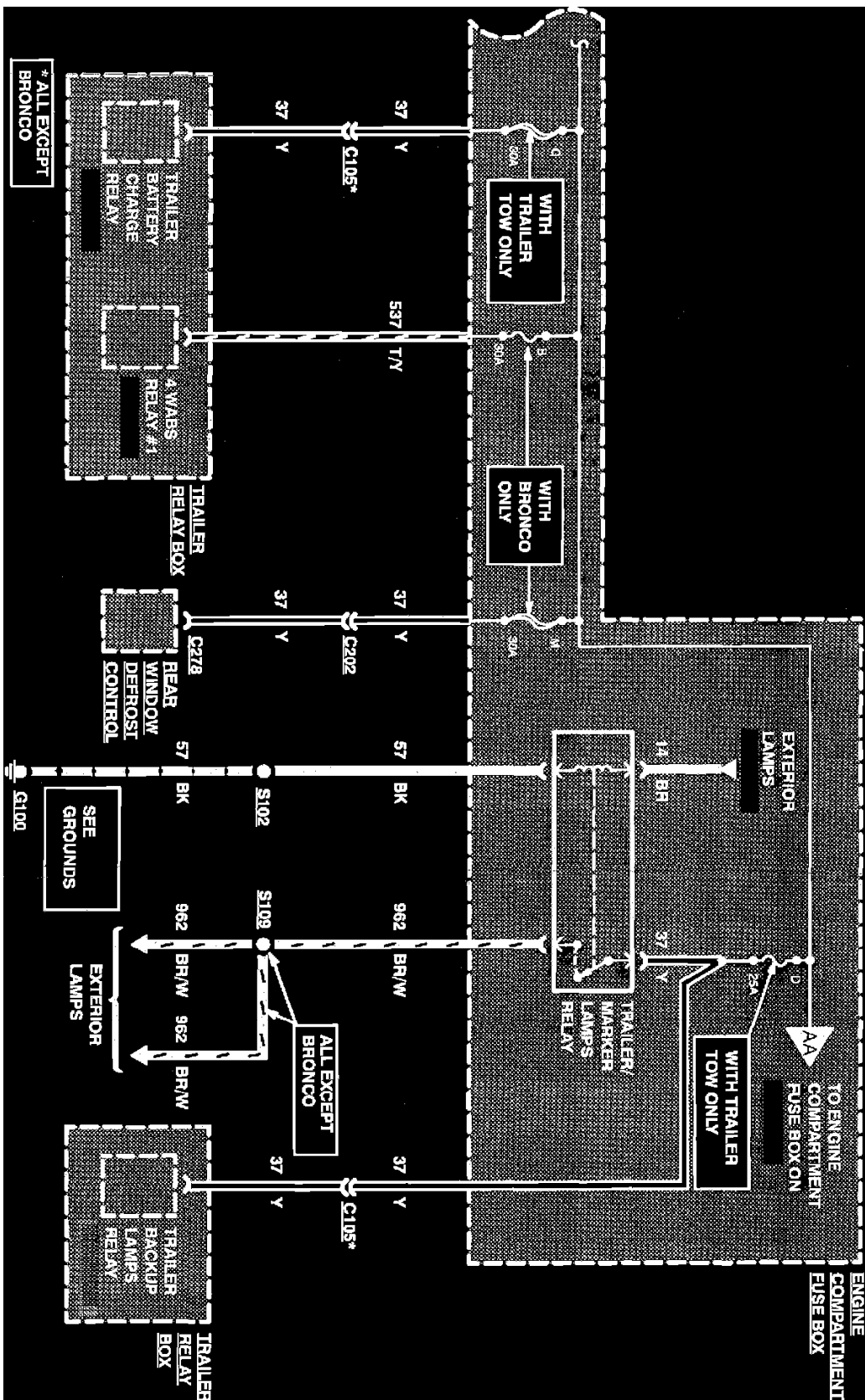
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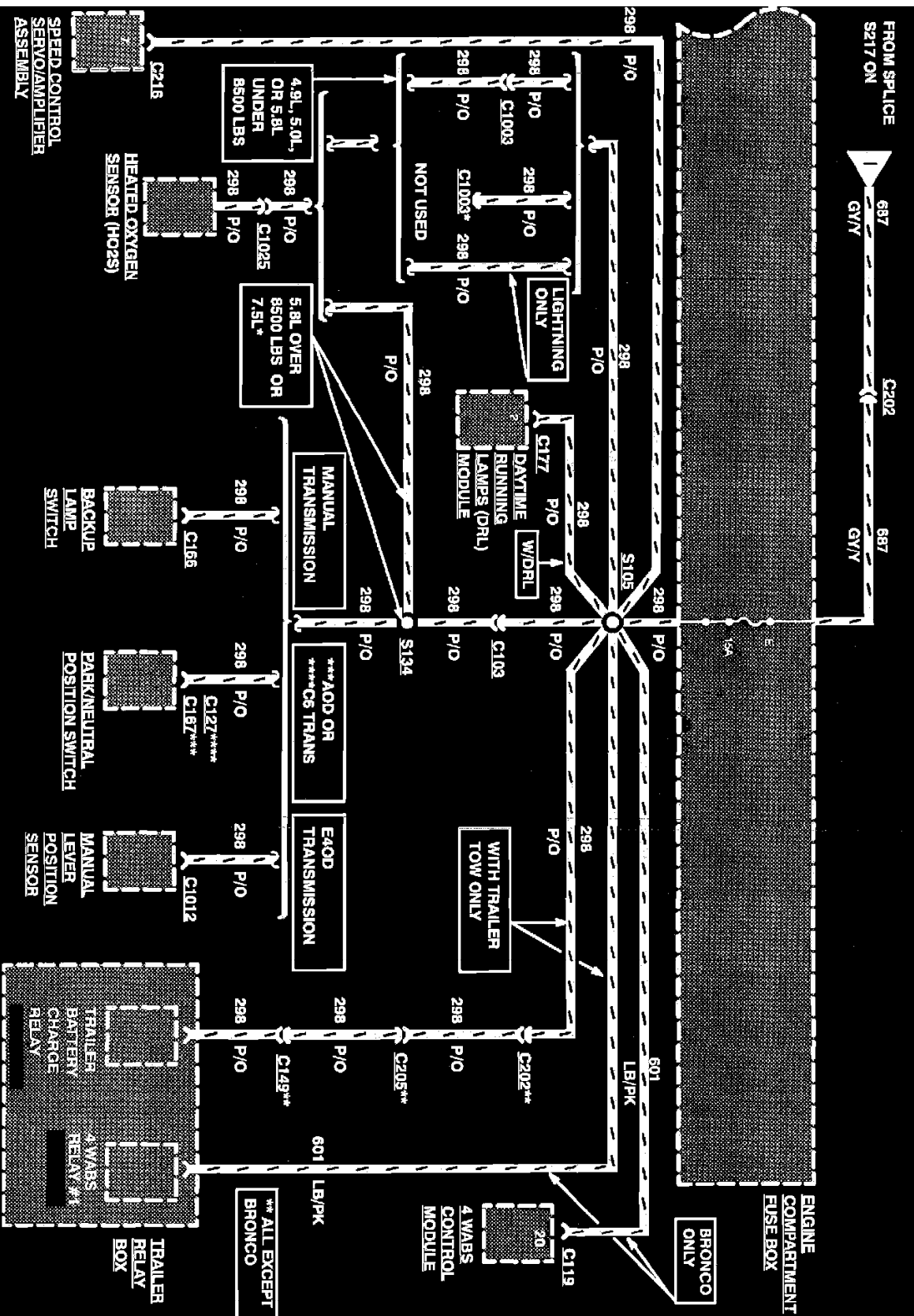
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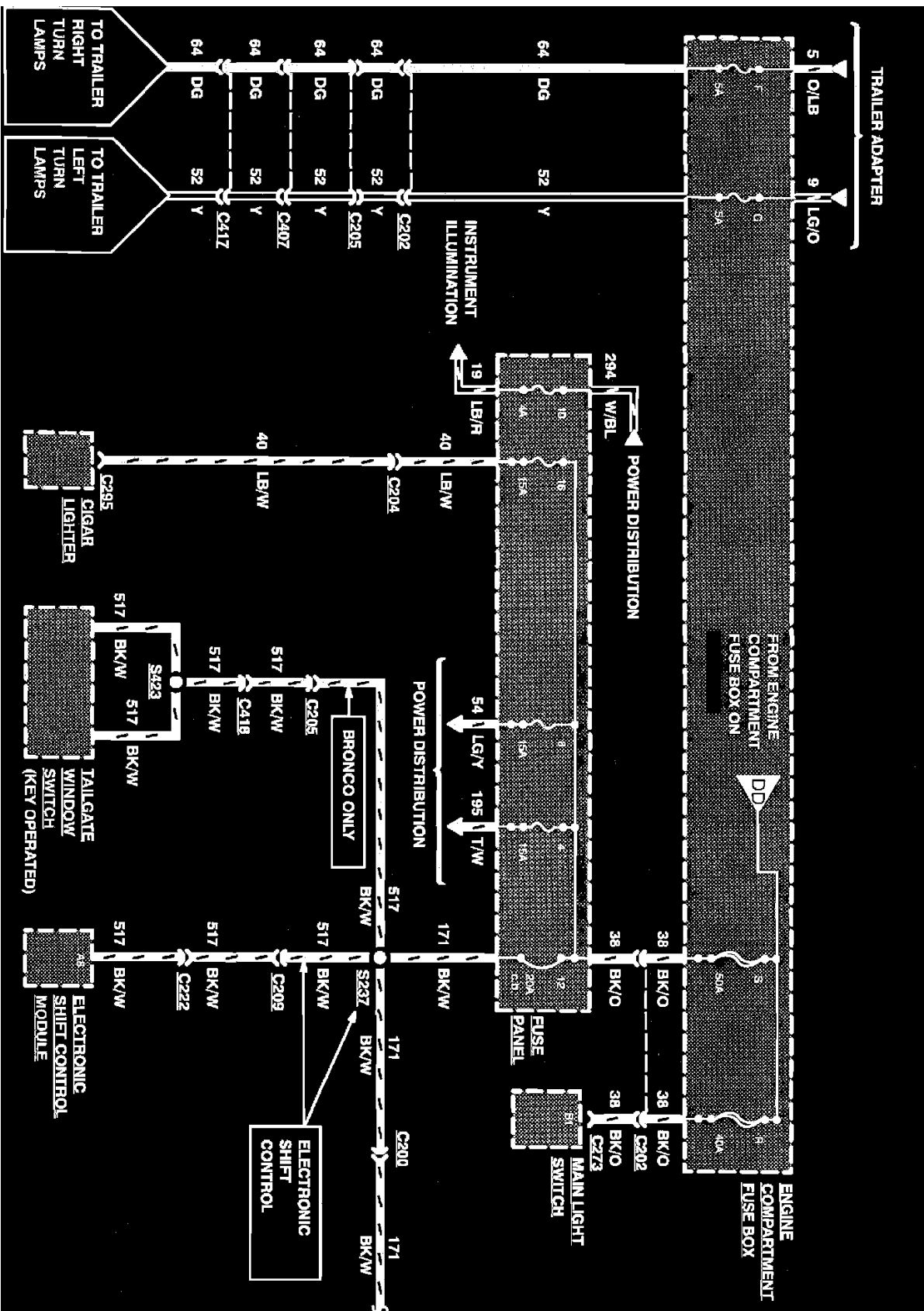
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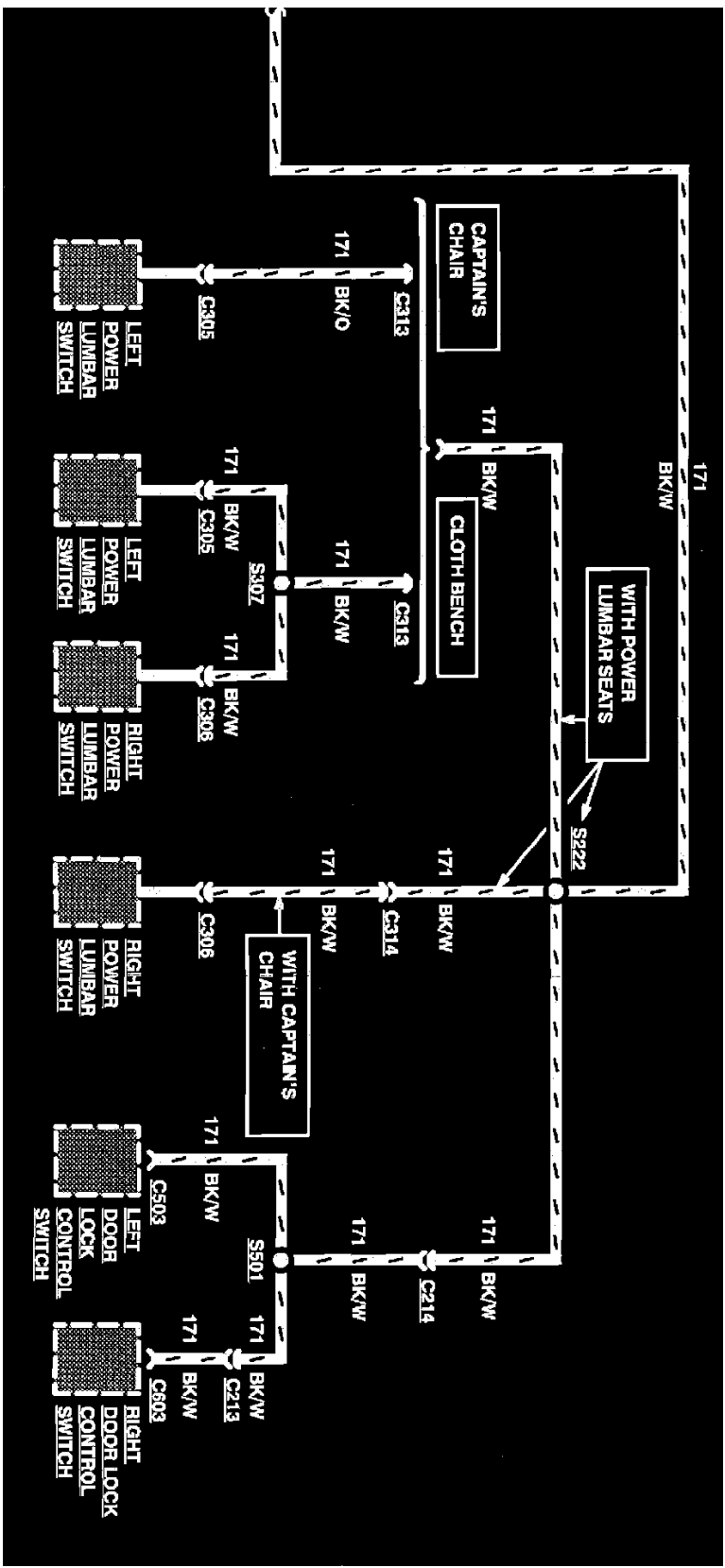
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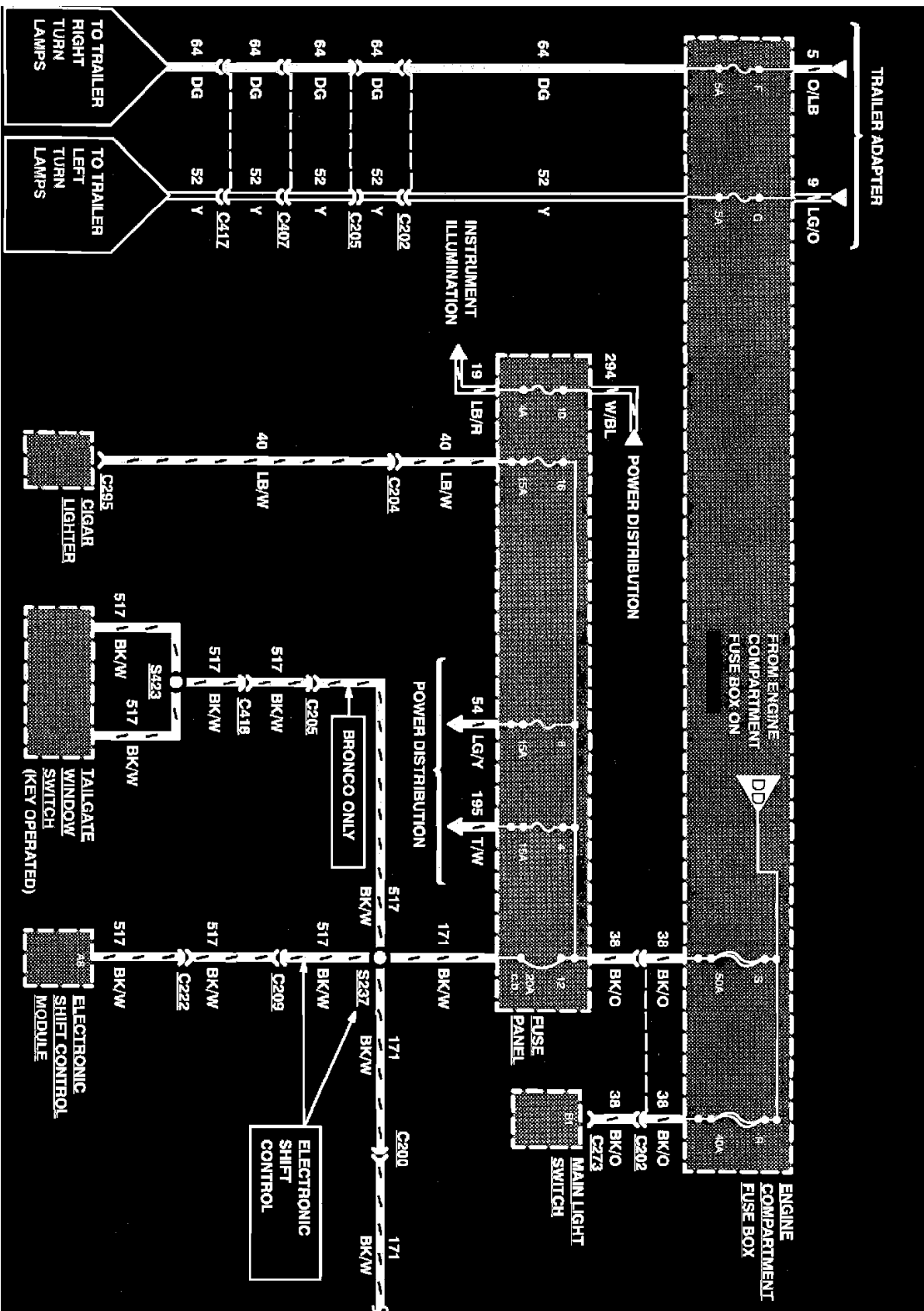
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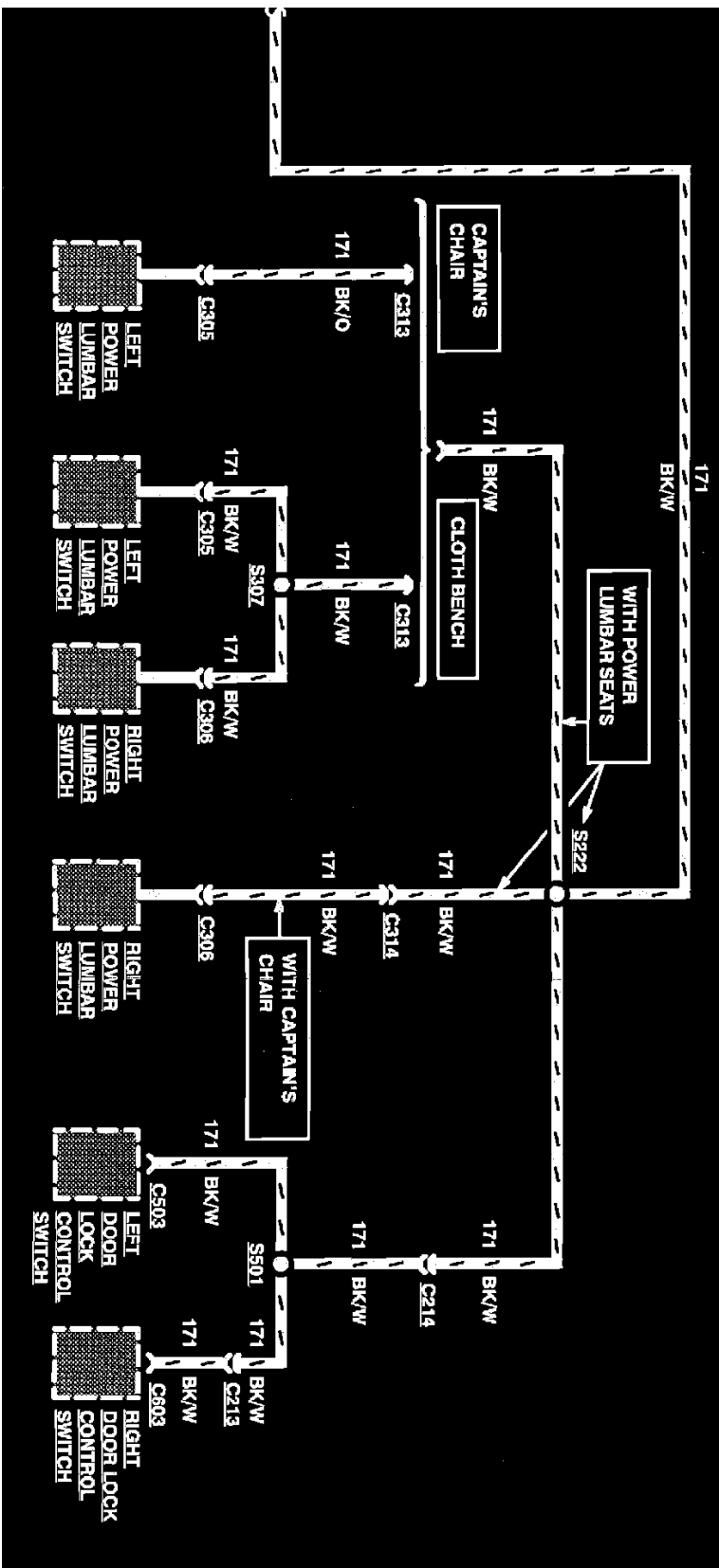
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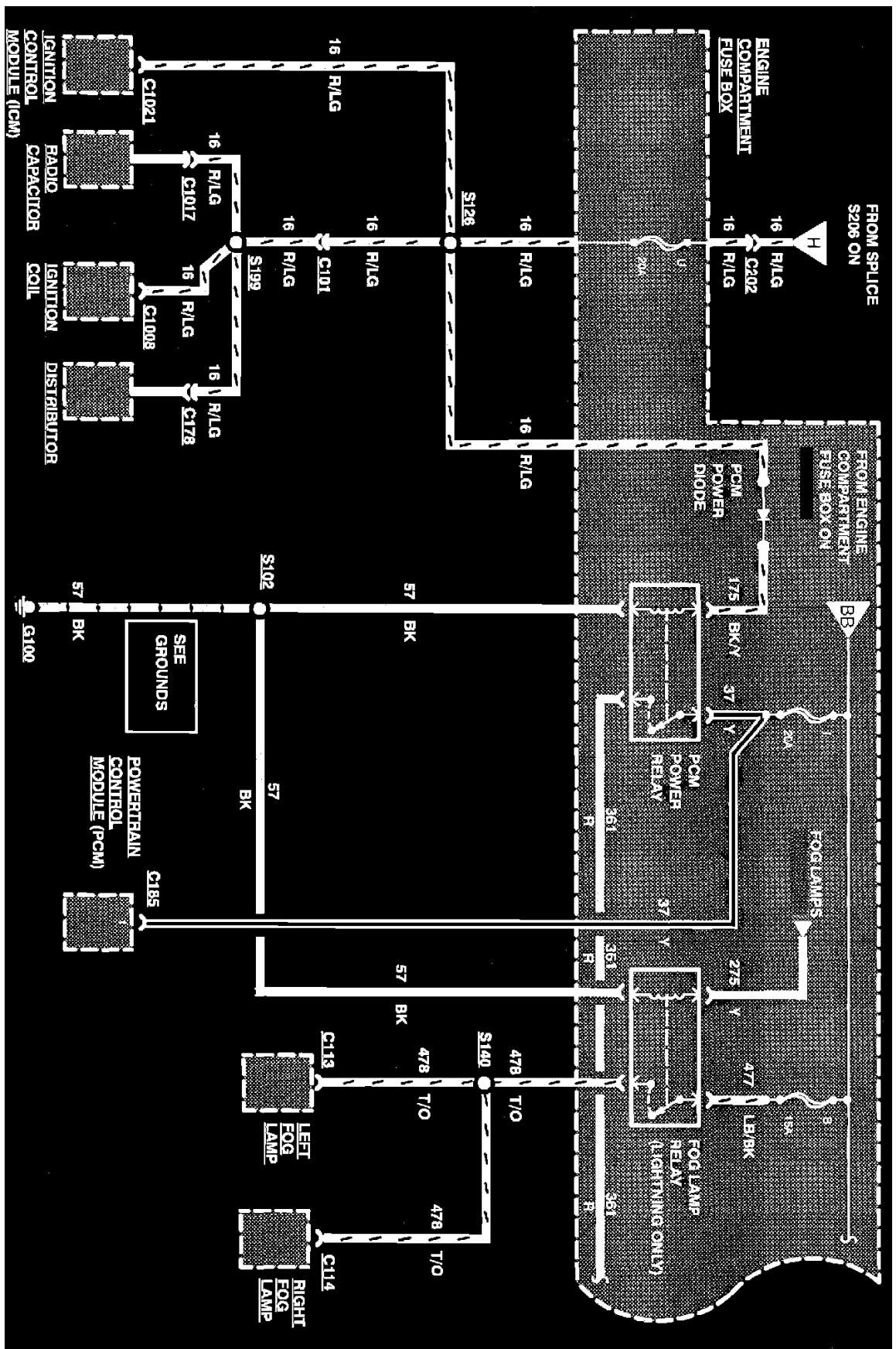
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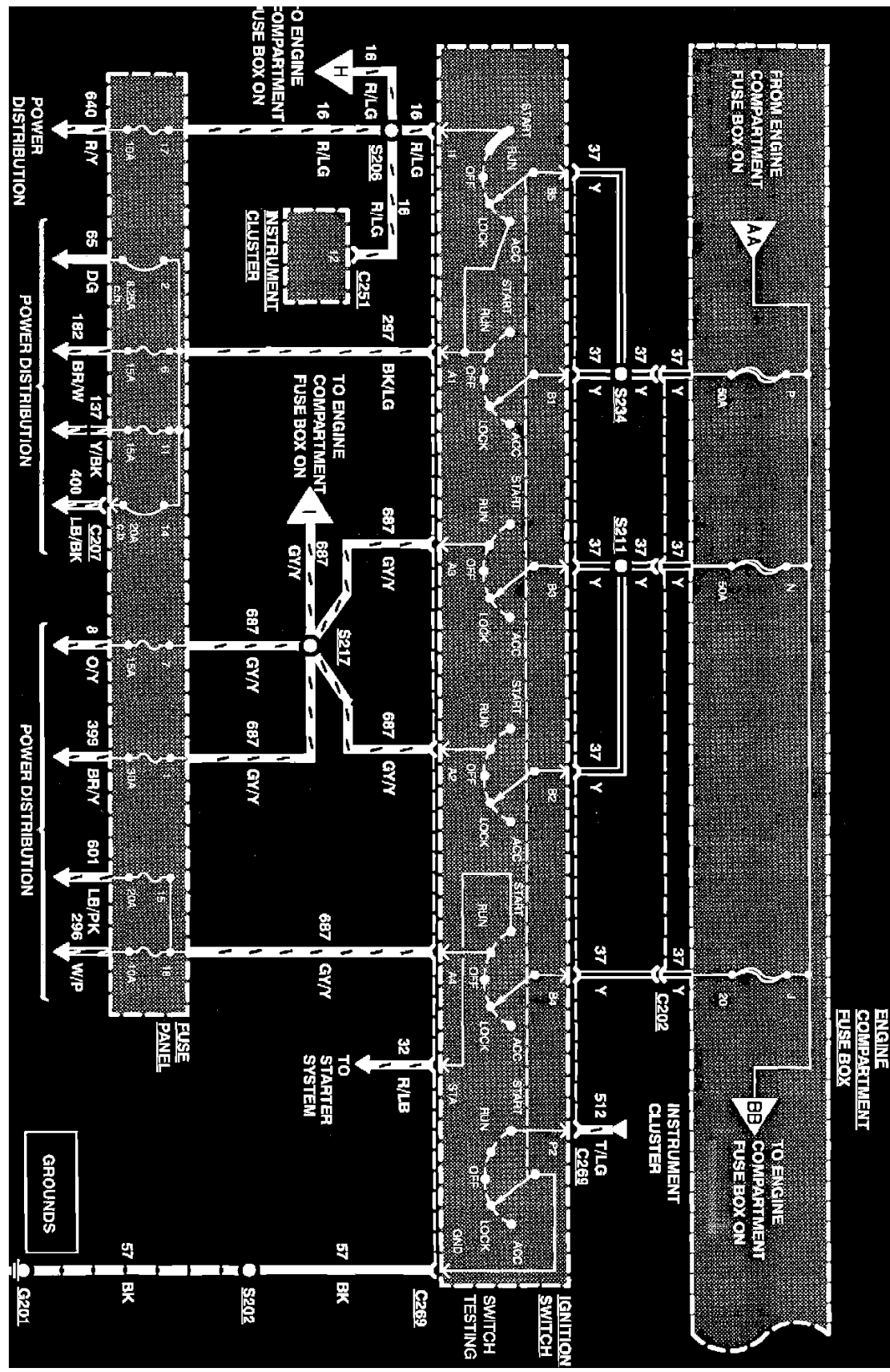
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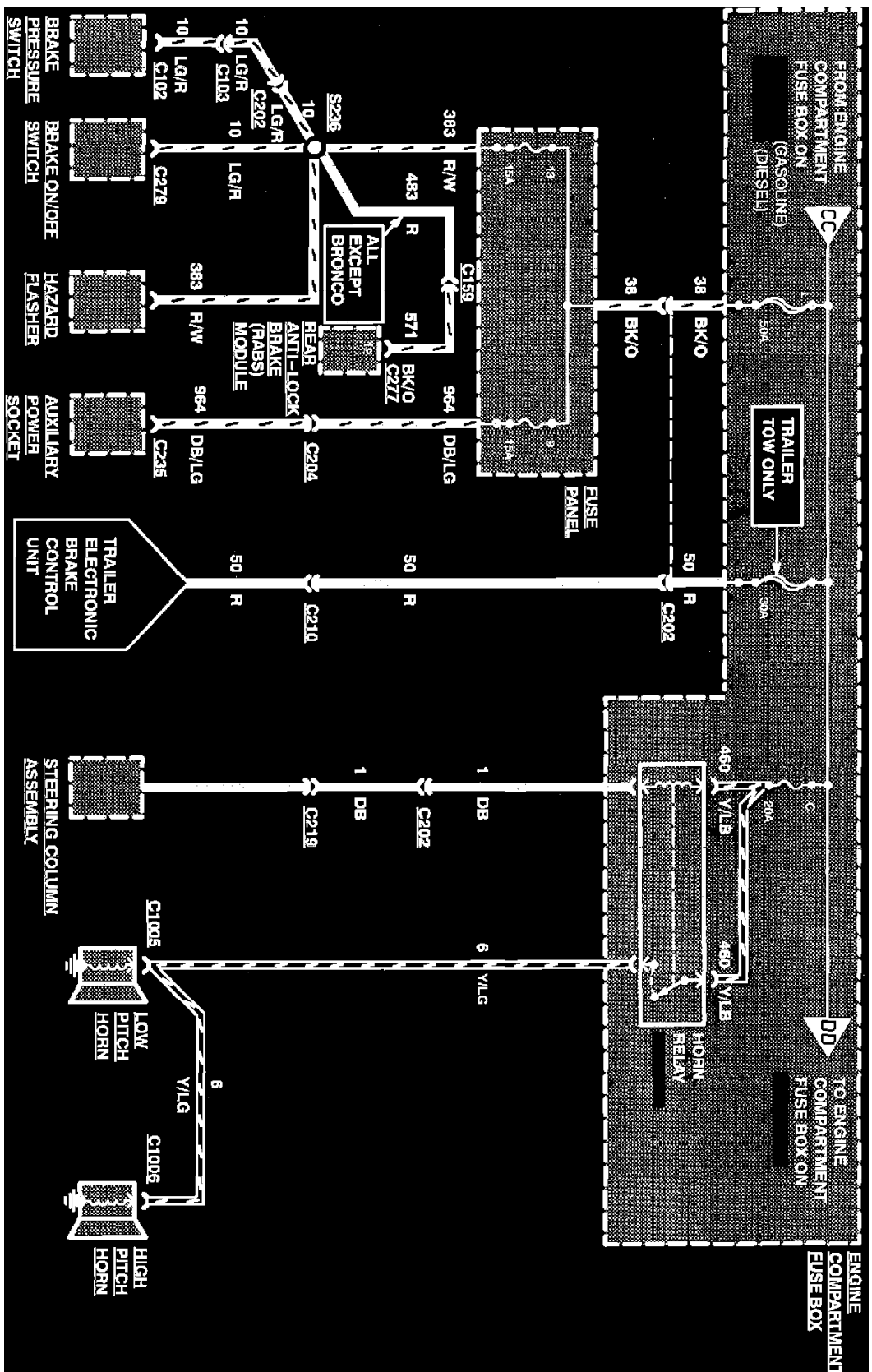
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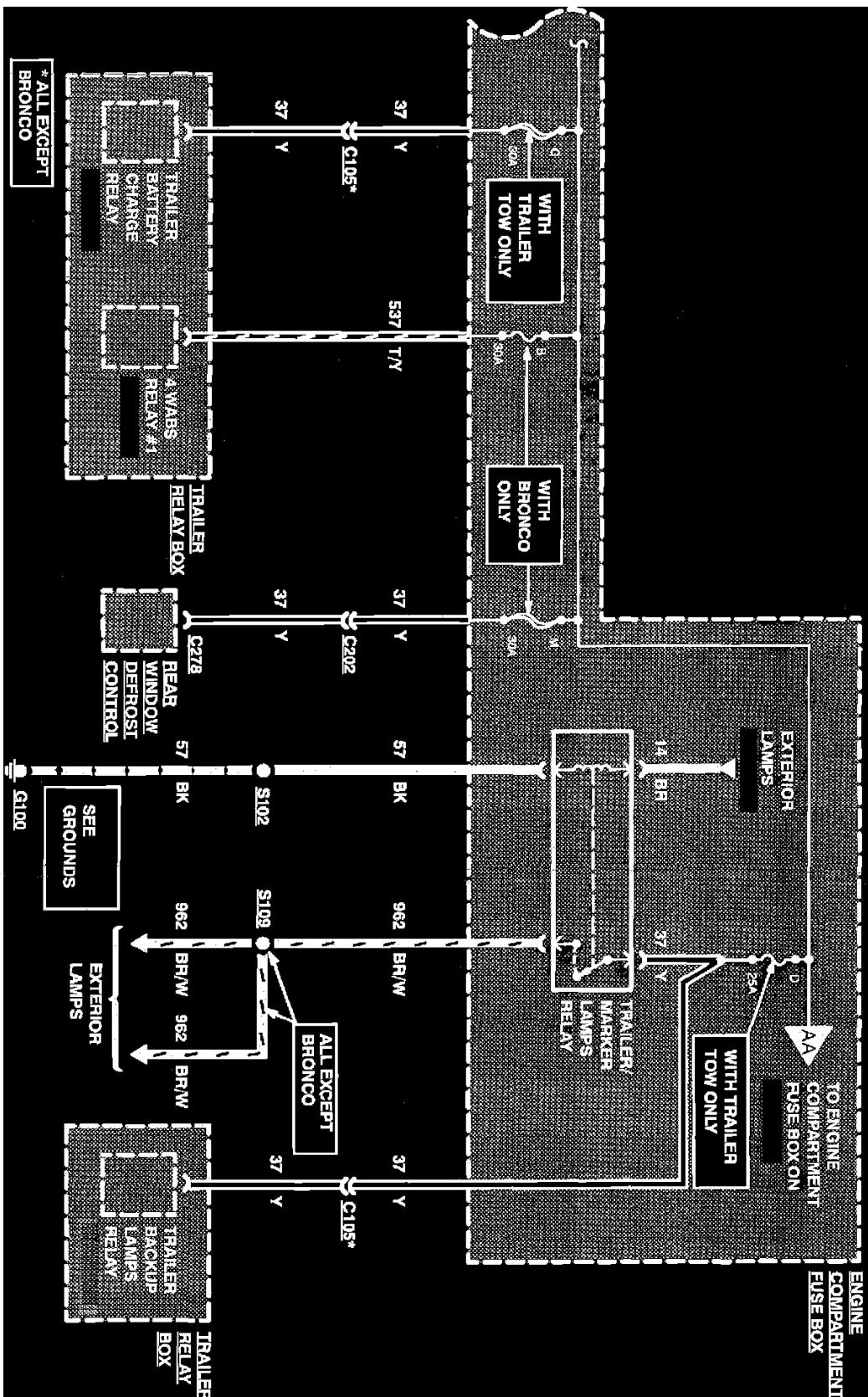
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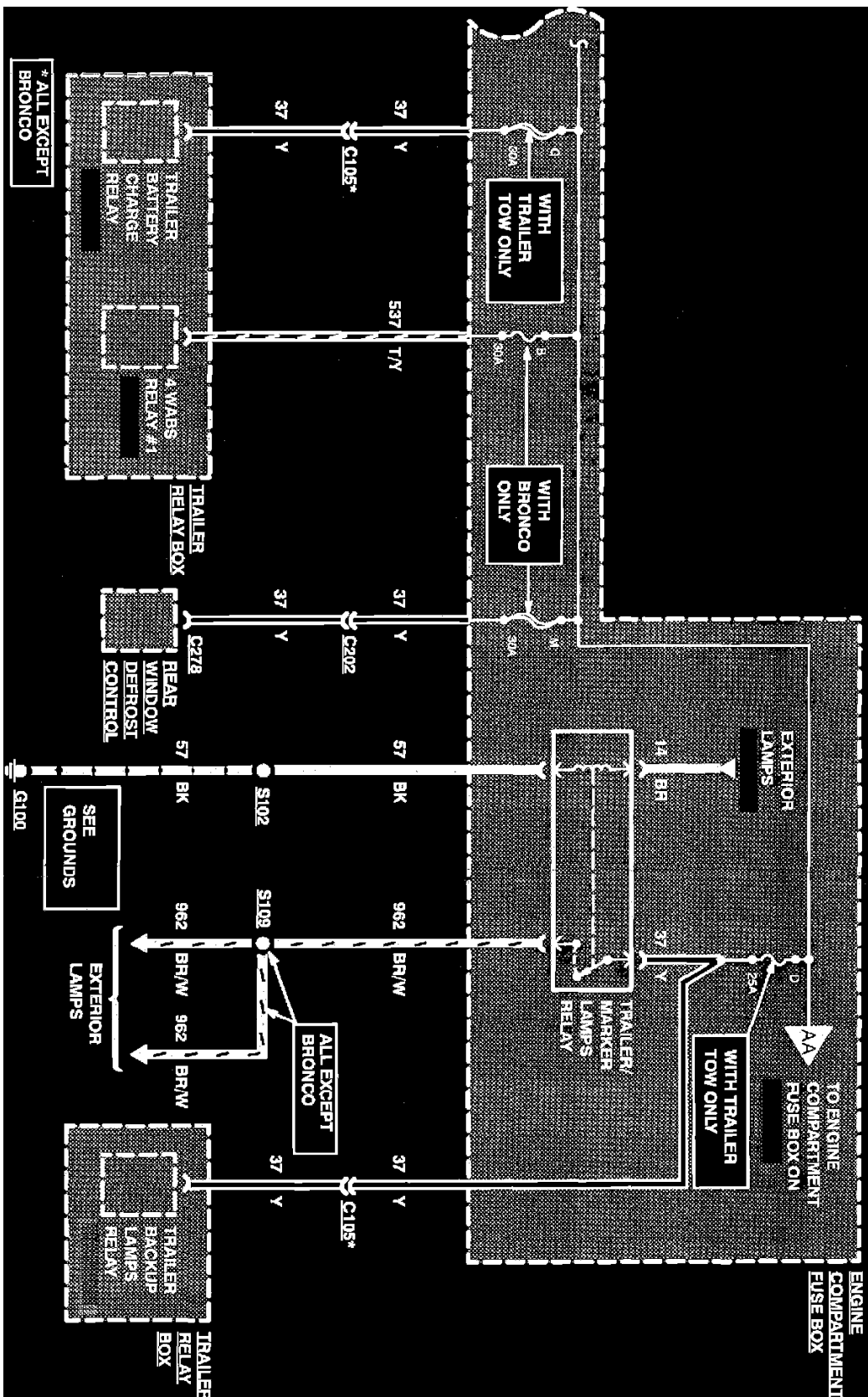
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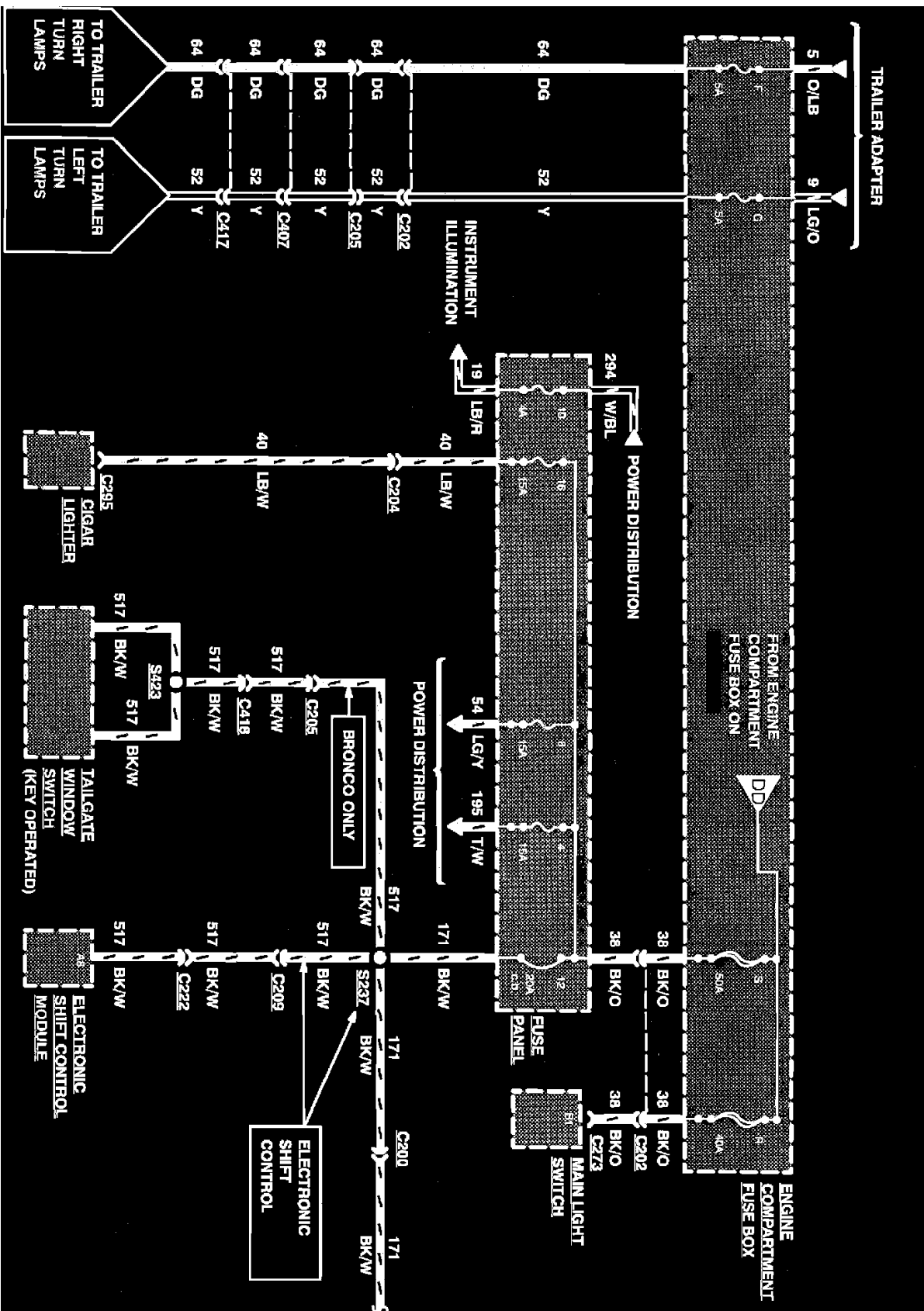
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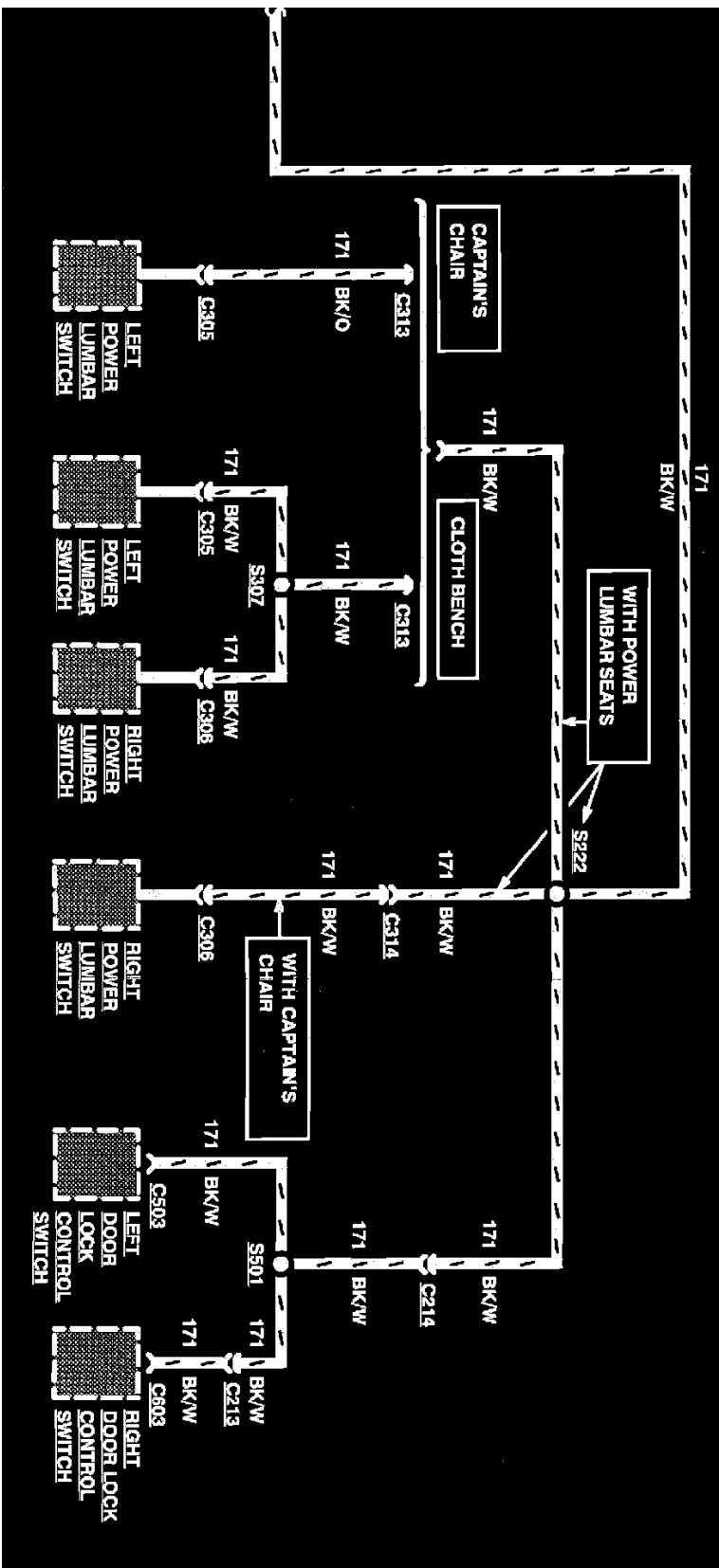
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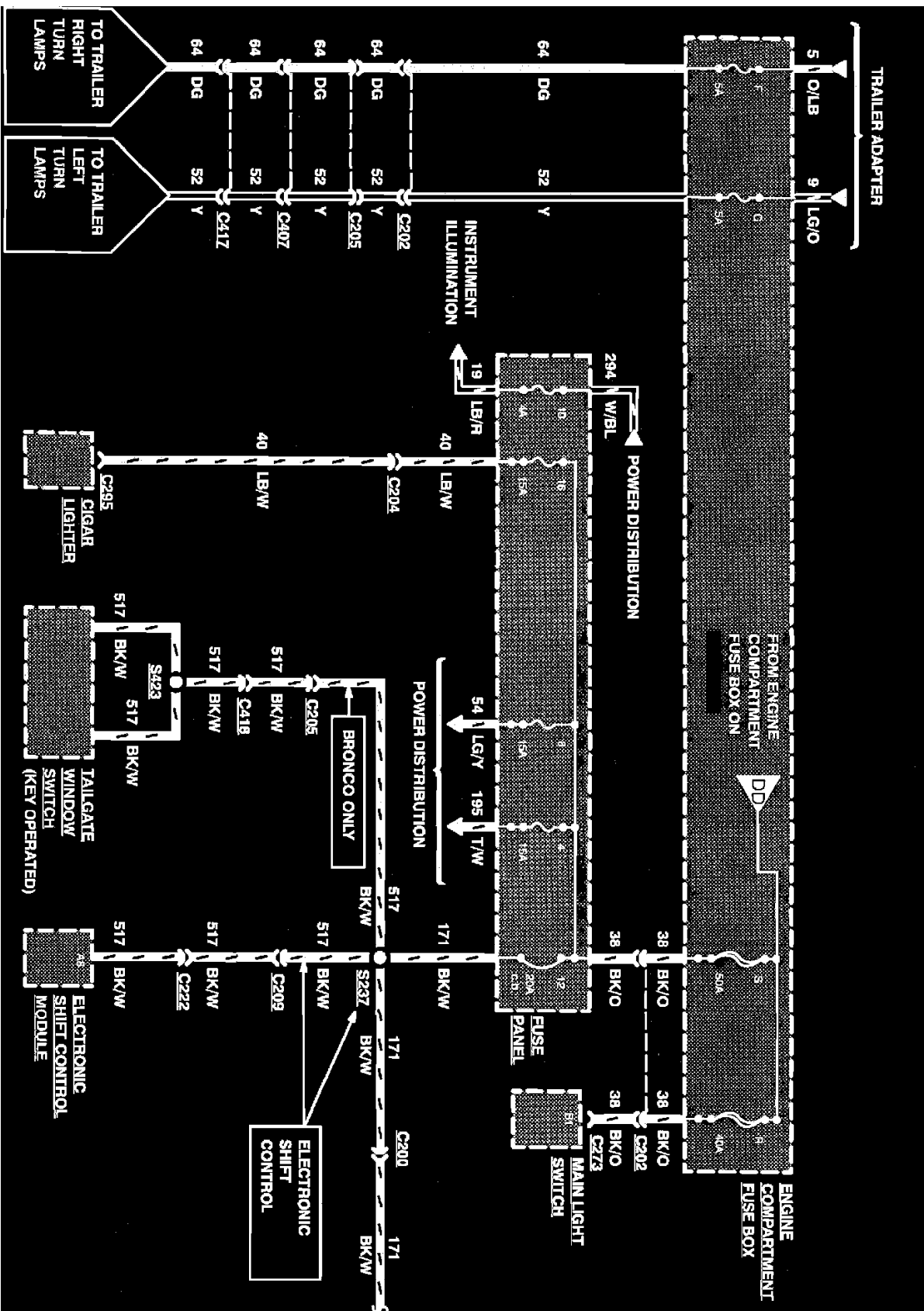
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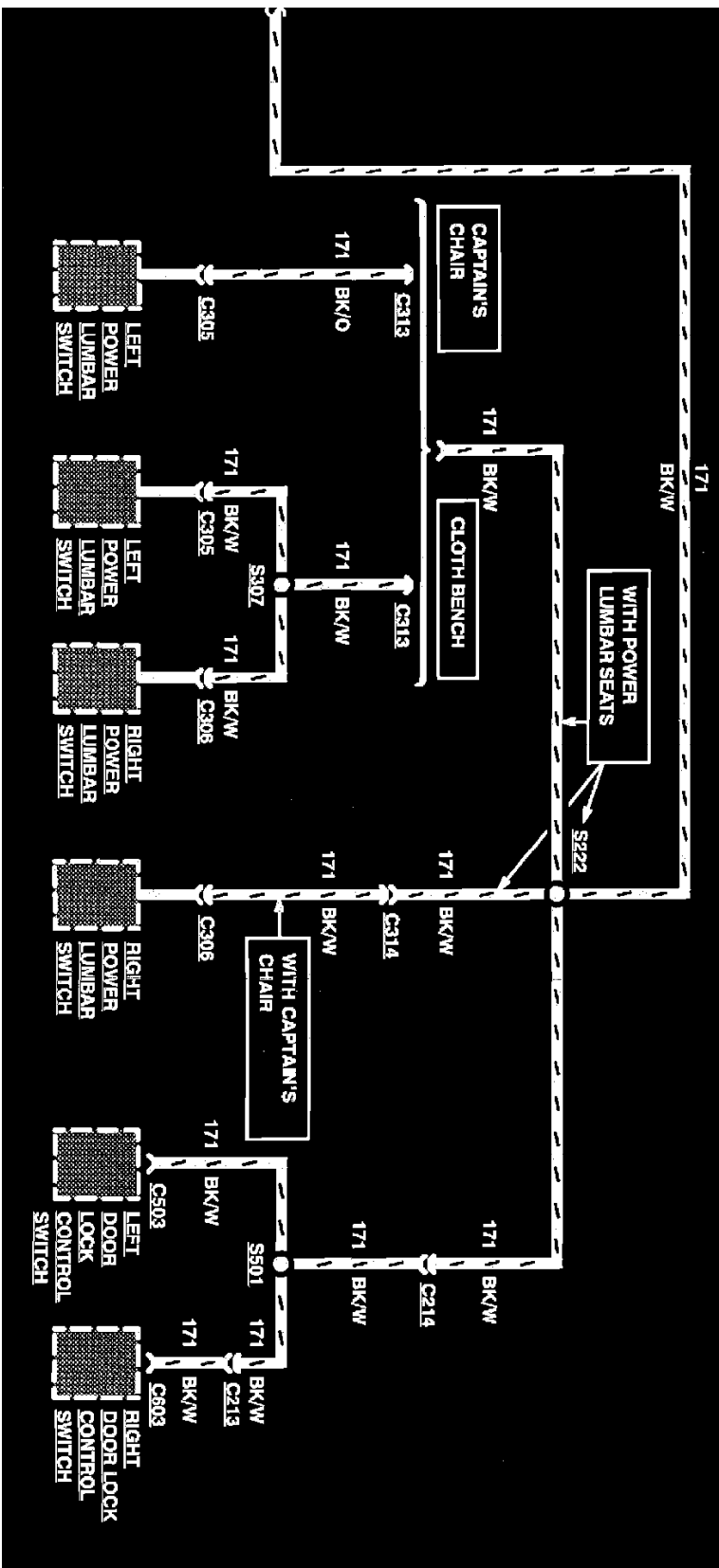
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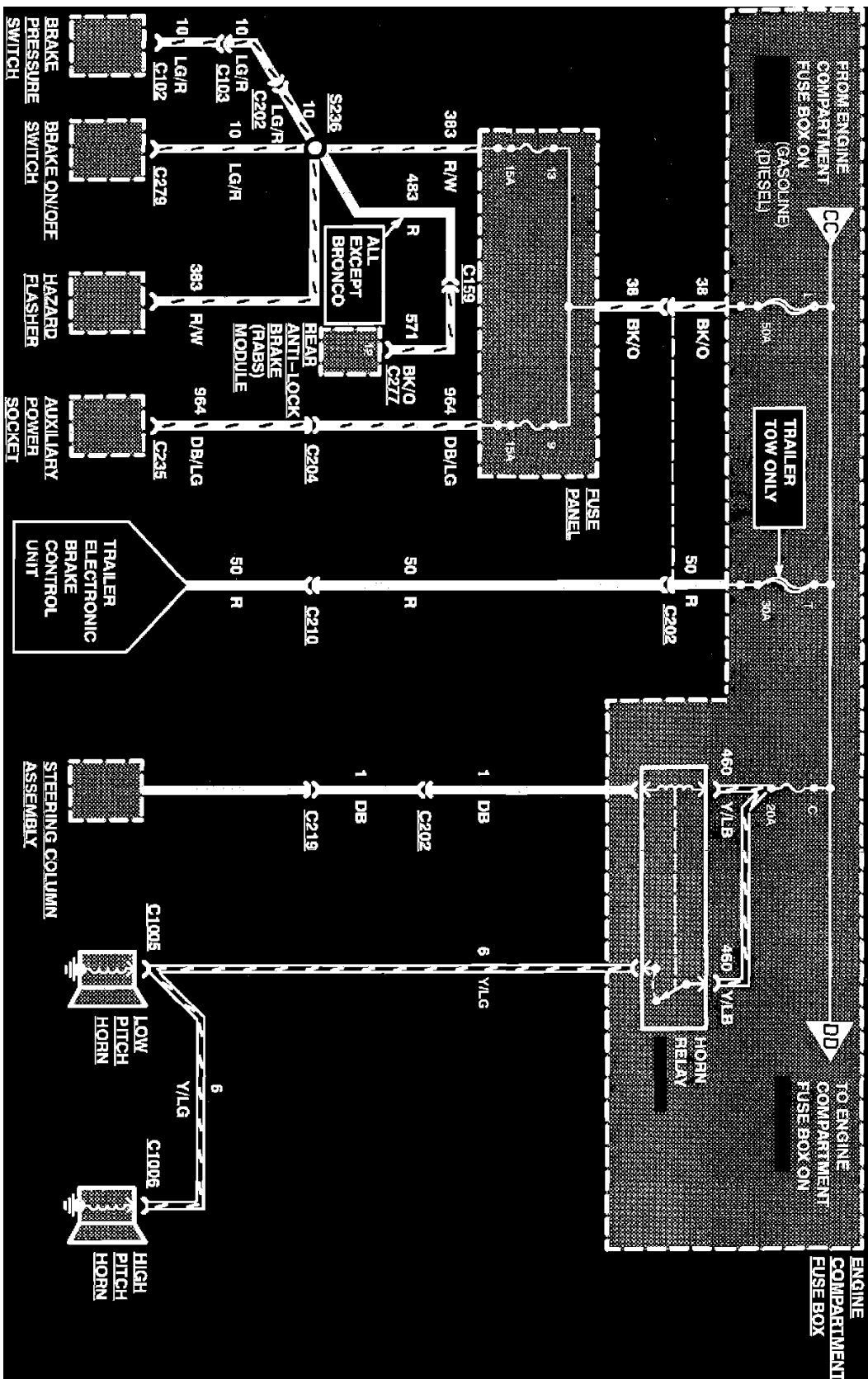
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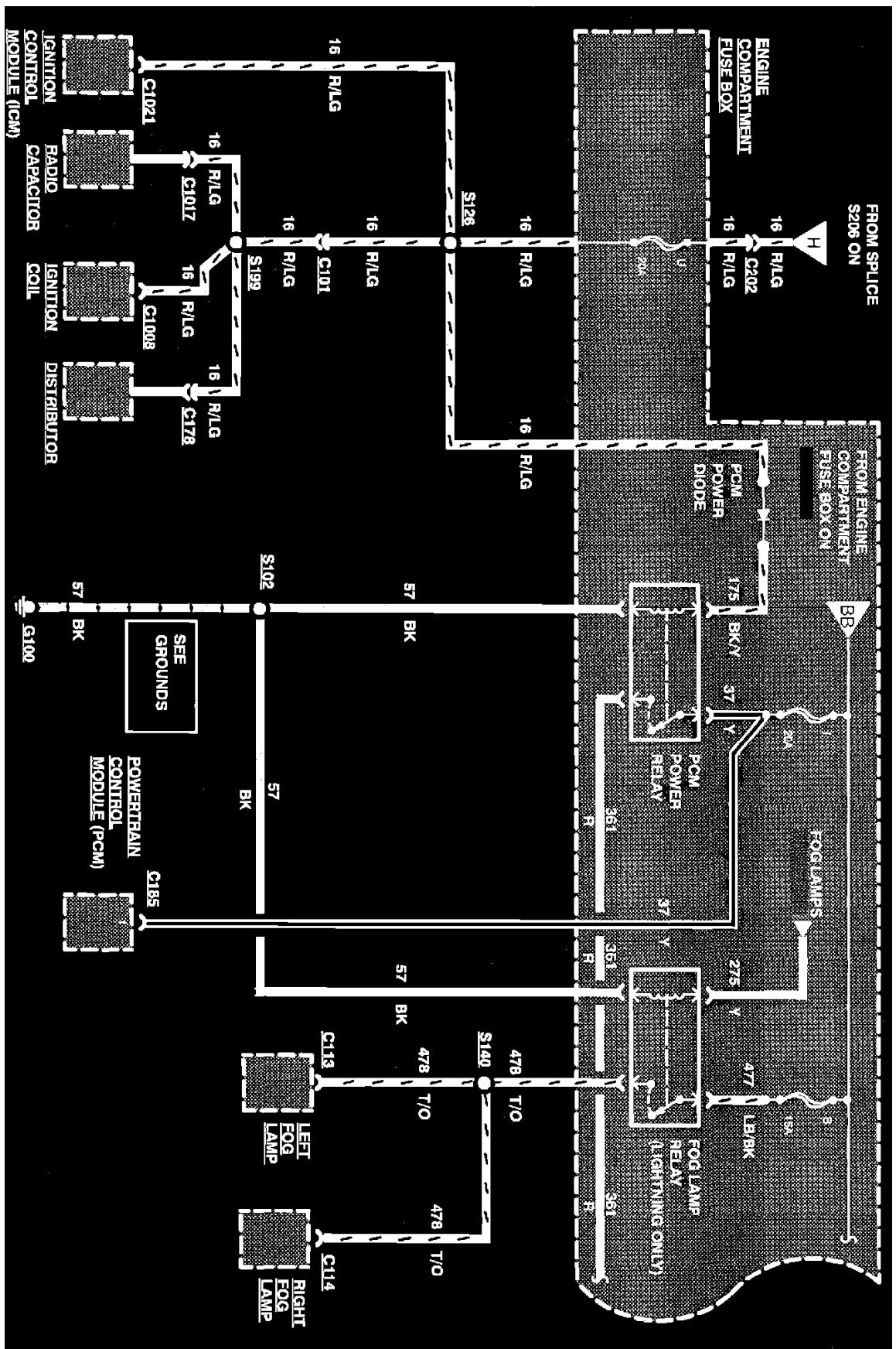
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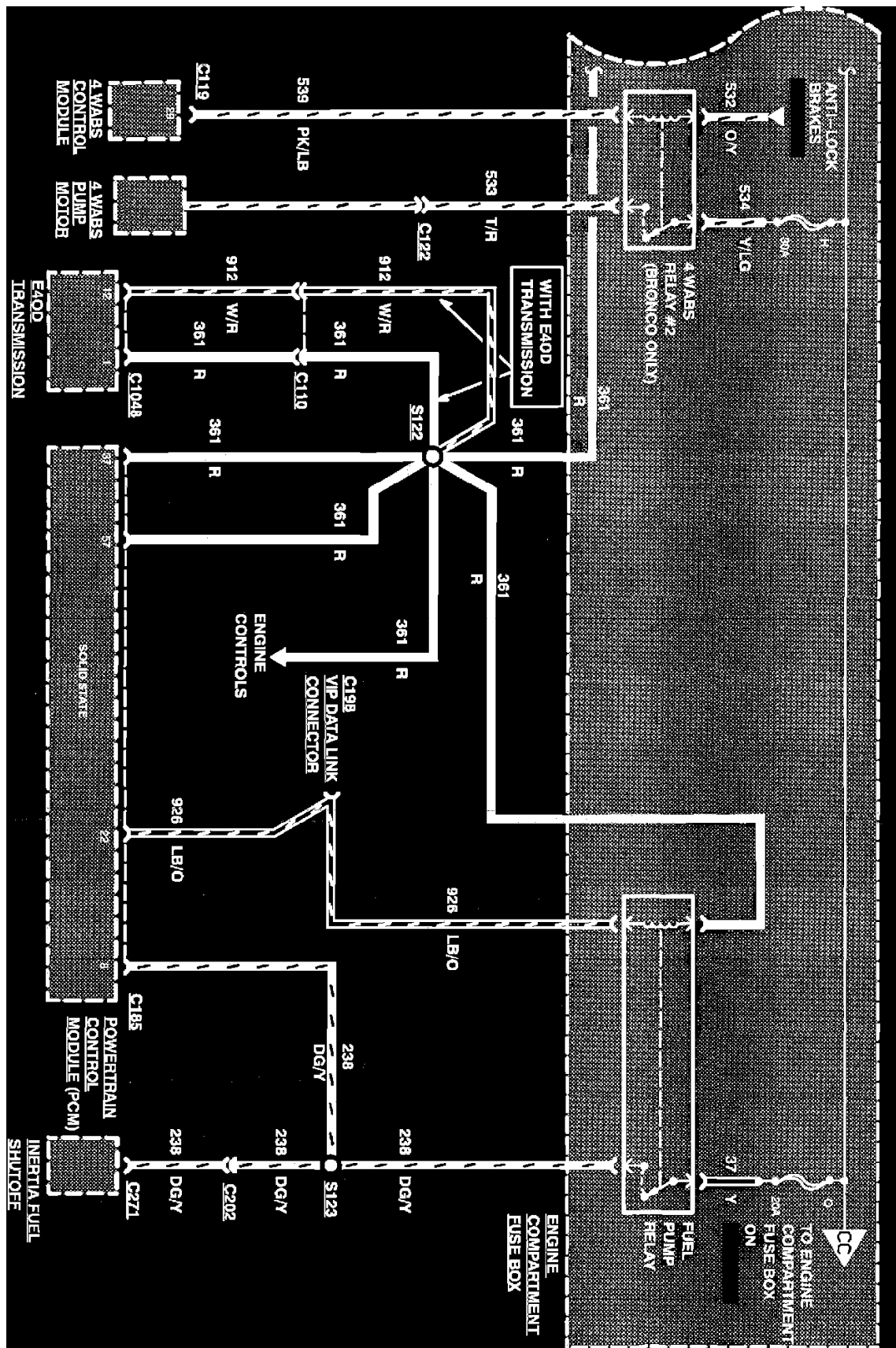
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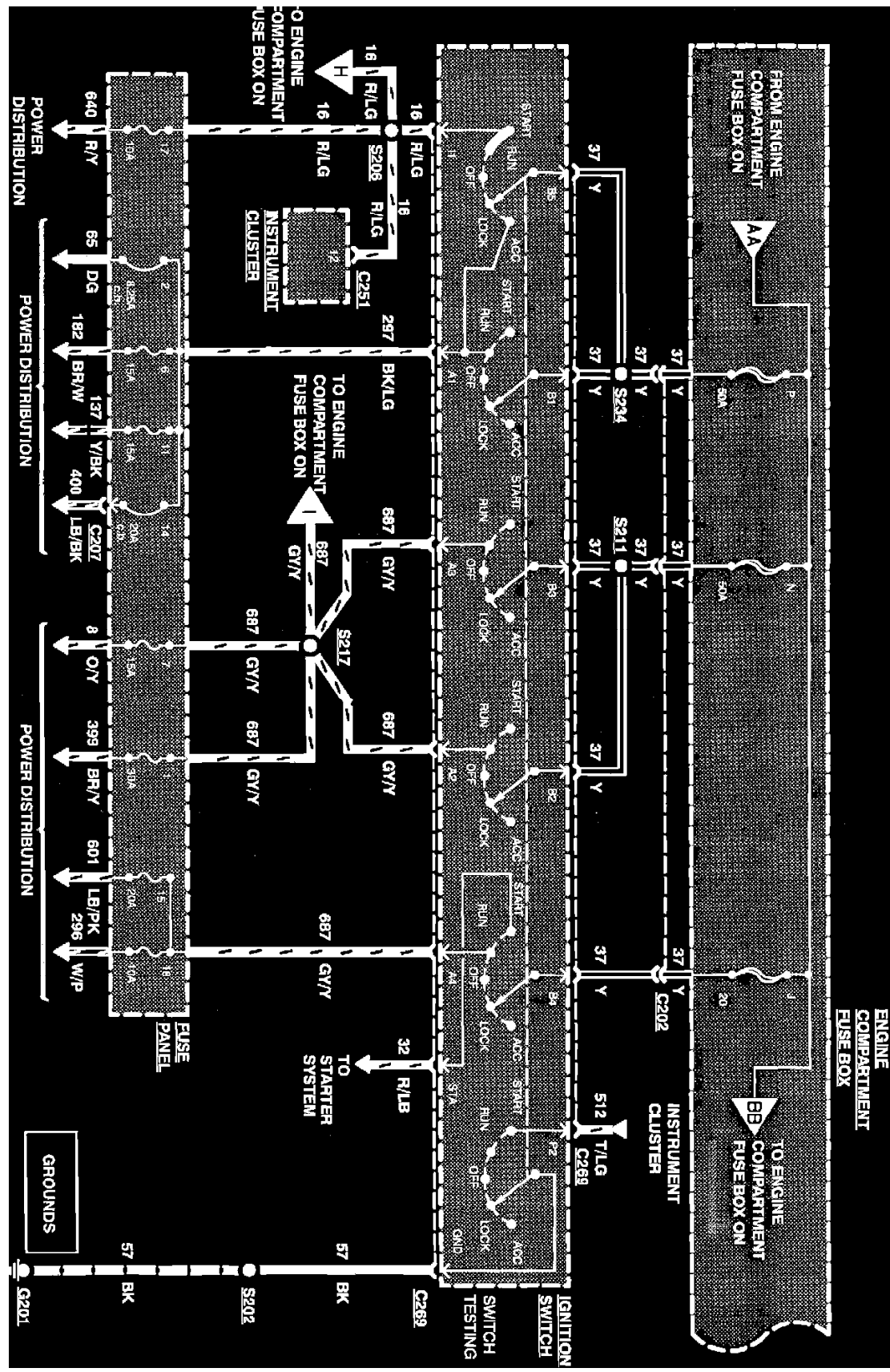
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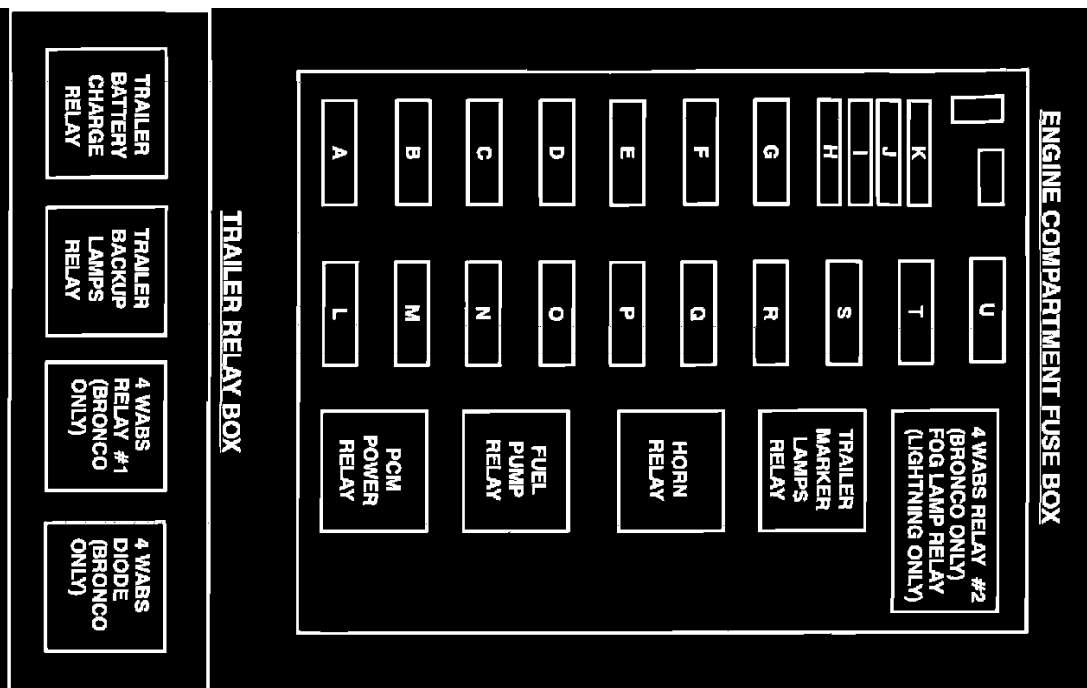
Power Distribution



Power Distribution

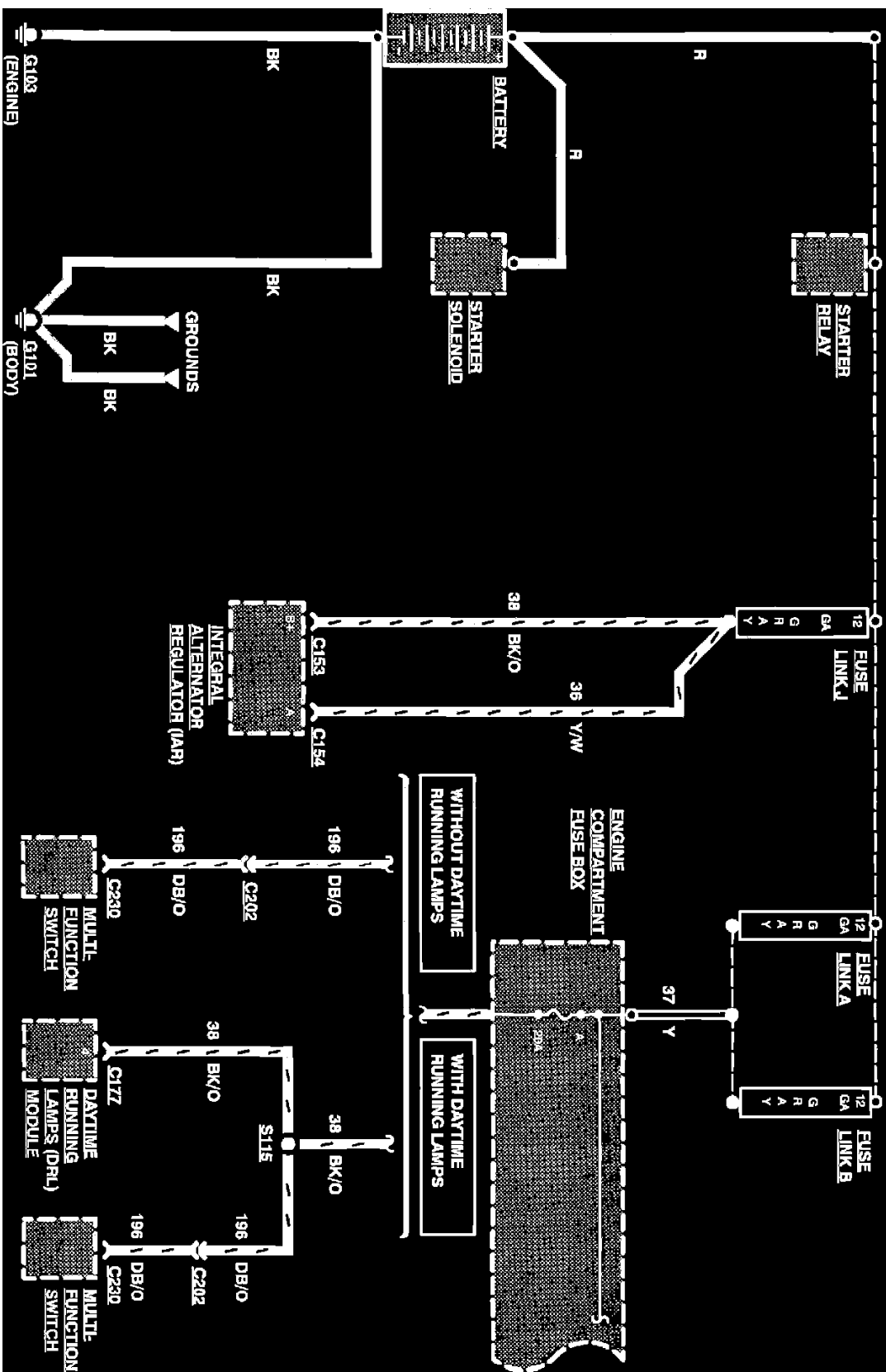


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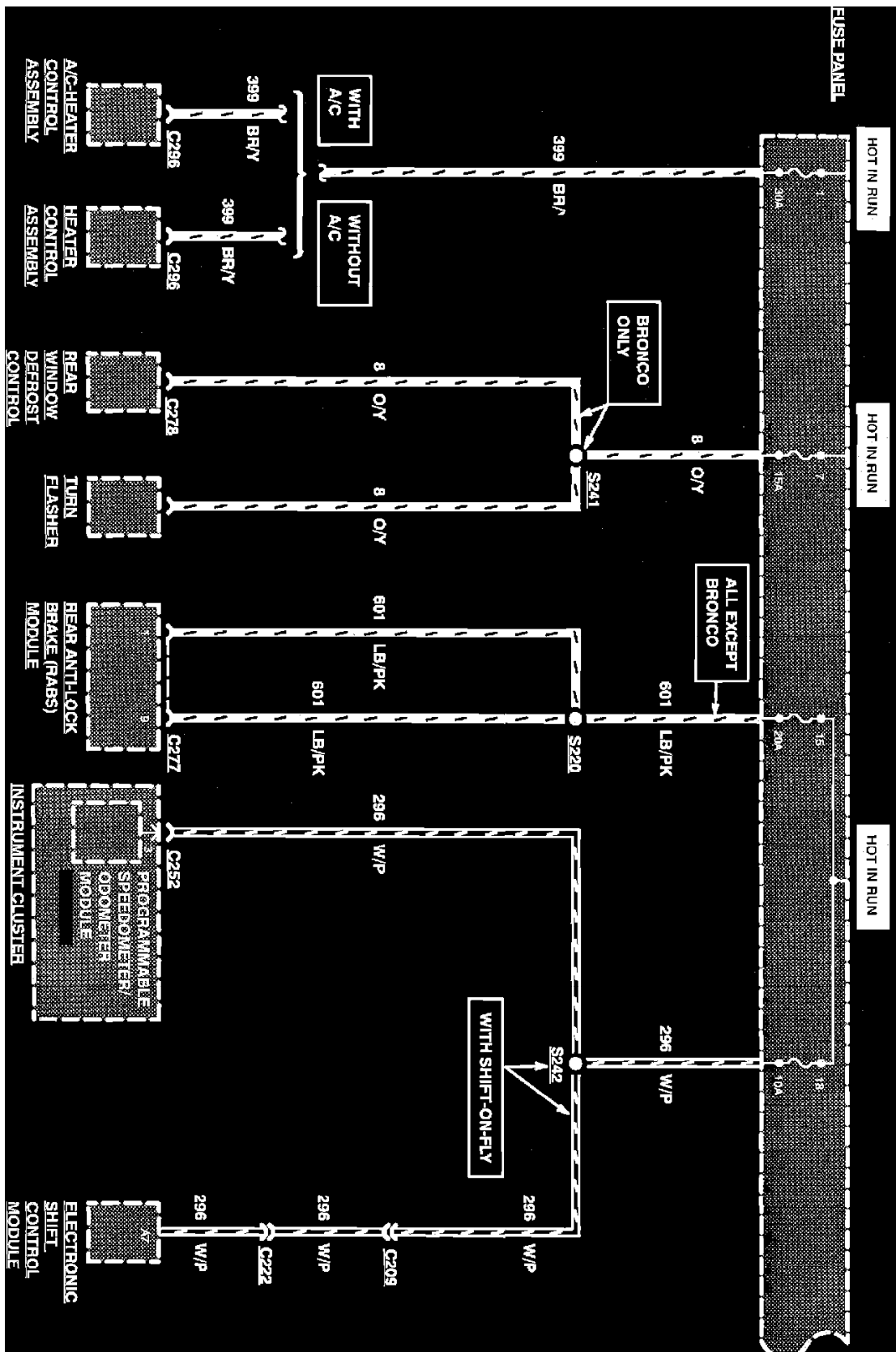


Fuse Position	Amps	Circuits Protected
A	20	Headlamp Flash-to-Pass, Daytime Running Lamps (Canada Only)
B	30/15	4 WABS Relay #1 (Bronco Only), Fog L amp Relay (Lightning Only)
C	20	Horn, Speed Control
D	25	Trailer Marker Lamps Relay, Trailer Backup Lamps Relay
E	15	Heated Oxygen Sensor (HO2s), Backup Lamps, 4WABS (Bronco Only) Trailer Charge Relay, Daytime Running Lamps (Canada Only)
F	5	Trailer Right Stop/Turn Lamps
G	5	Trailer Left Stop/Turn Lamps
Maxi-Fuse Position	Amps	Circuits Protected
H	30	4 WABS Relay #2 (Bronco Only)
I	20	PCM Power Relay, Powertrain Control Module, Fuel Pump Relay
J	20	See Fuses 15 and 18, Starter Relay
K	—	(Not Used)
L	50	See Fuses 9 and 13
M	30	Rear Window Defrost (Bronco Only)
N	50	See Fuses 1 and 7 and Fuse E
O	20	Fuel Pump Relay
P	50	See Fuses 2, 6, 11, 14 and 17 and Maxi-fuse U
Q	30	Trailer Battery Charge Relay
R	40	Main Light Switch, Headlamps
S	50	See Fuses 4, 8 and 16. Also see Circuit Breaker 12.
T	30	Trailer Electronic Brake Control Unit
U	20	Ignition Control Module, Ignition Coil, Distributor, PCM Power Relay Coil

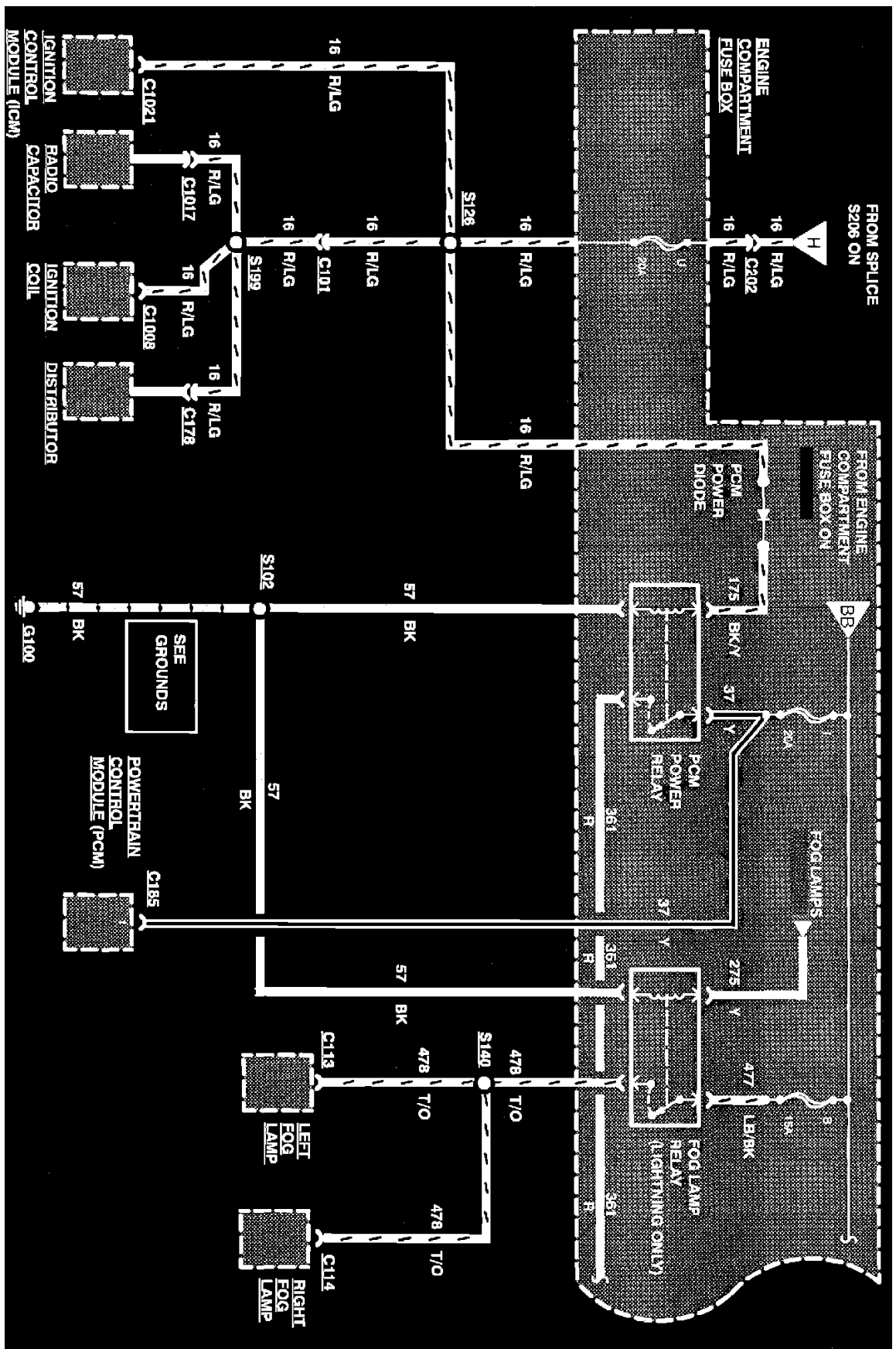
Engine Compartment Fuse Box/Circuit Protector



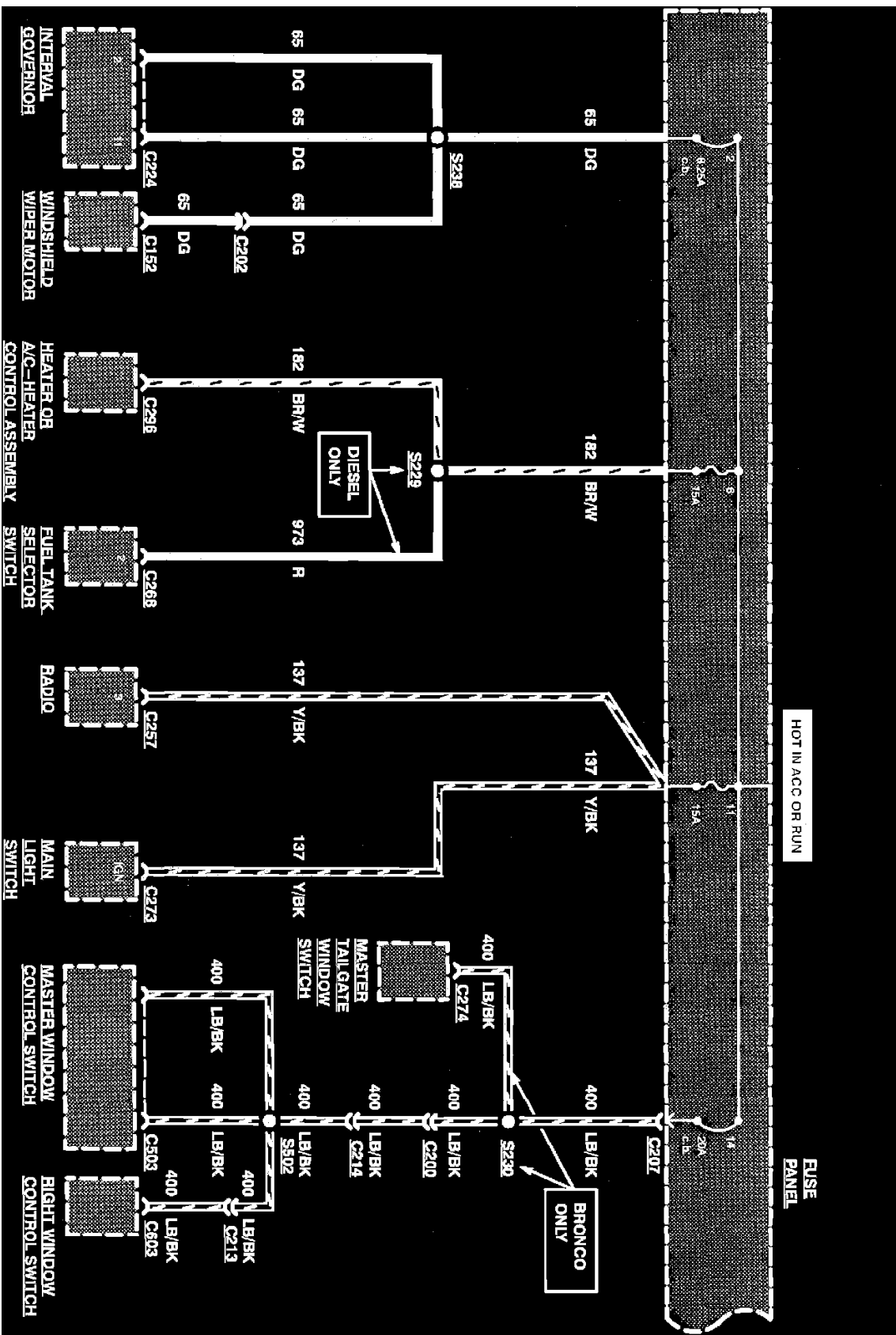
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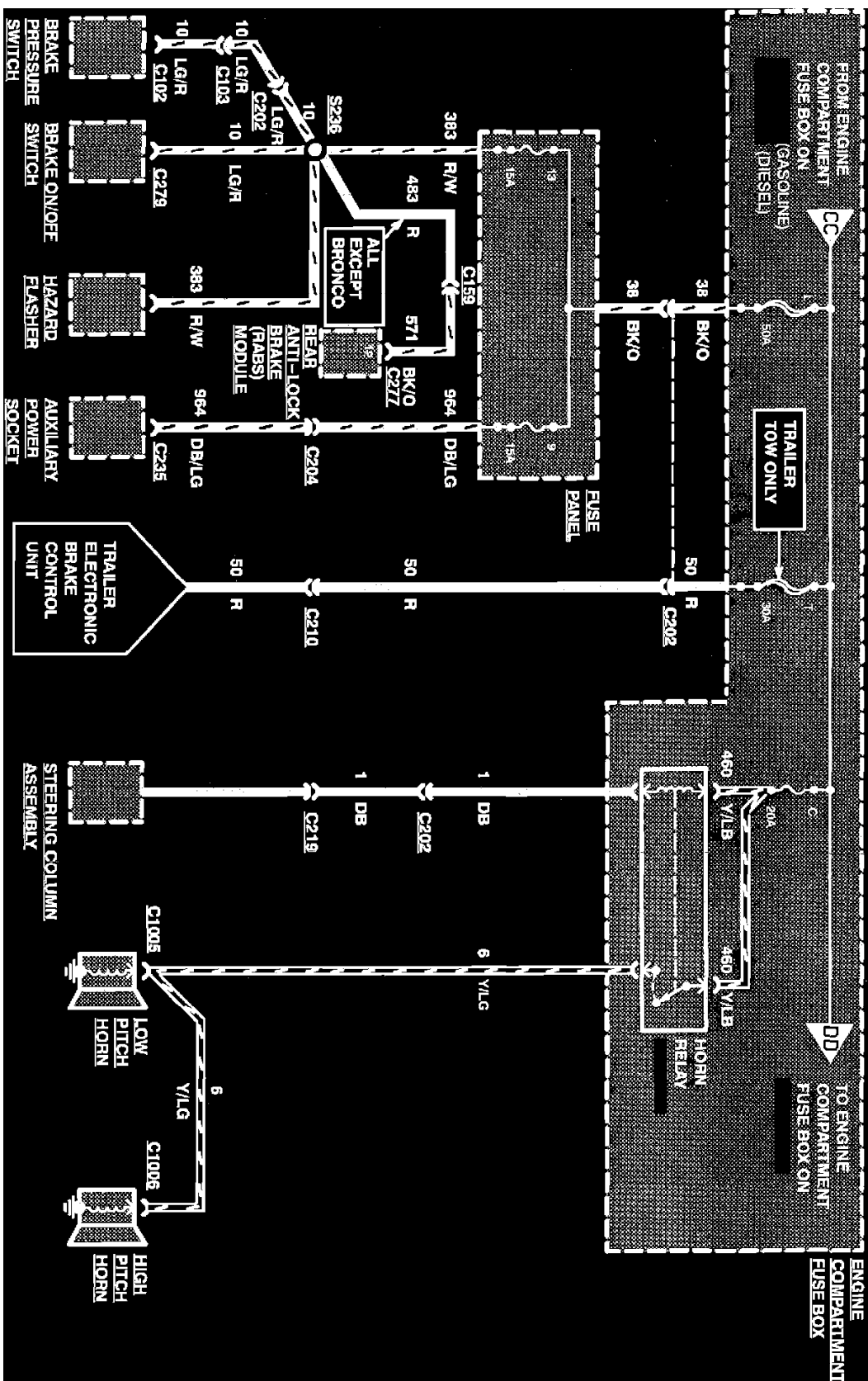
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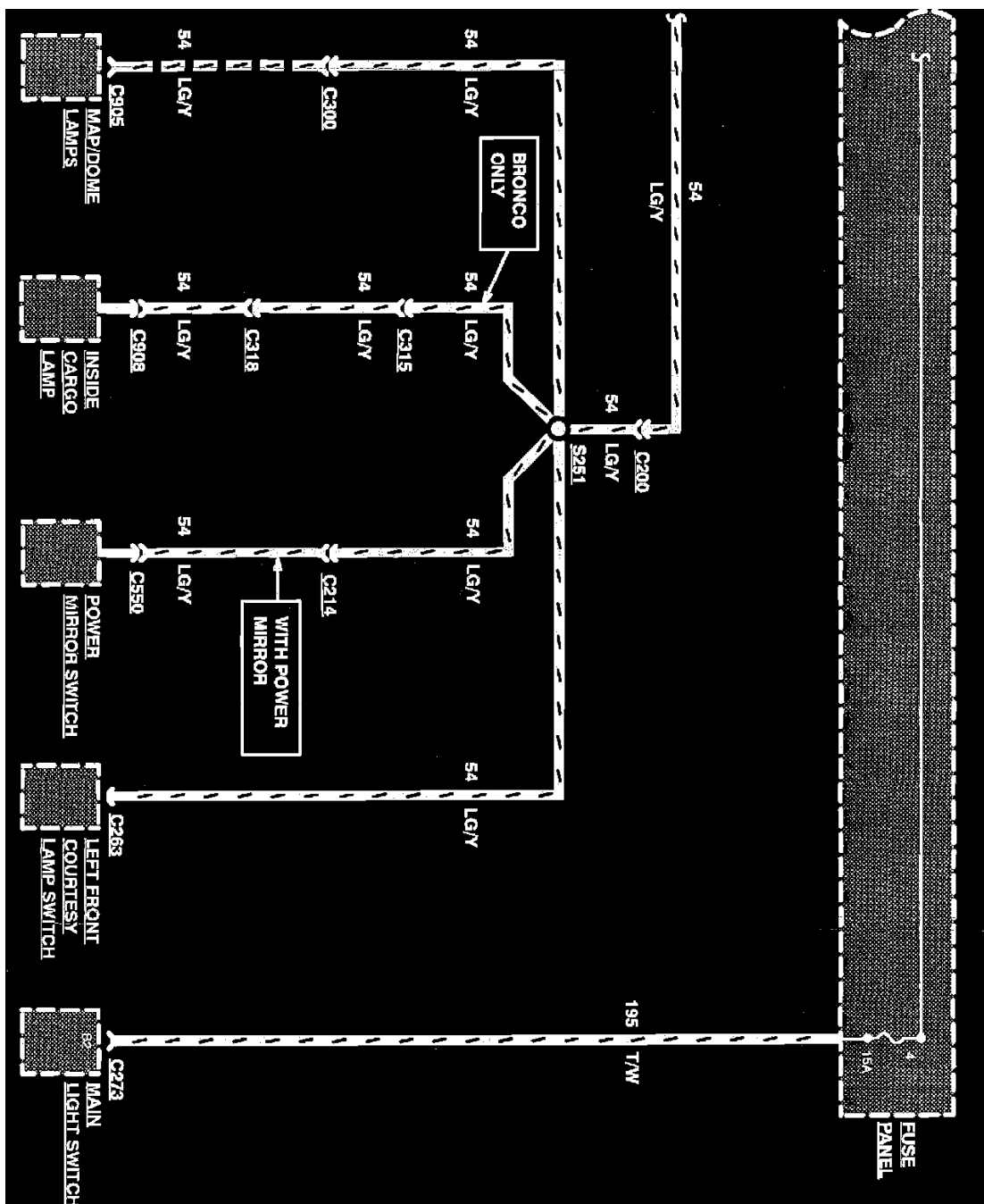
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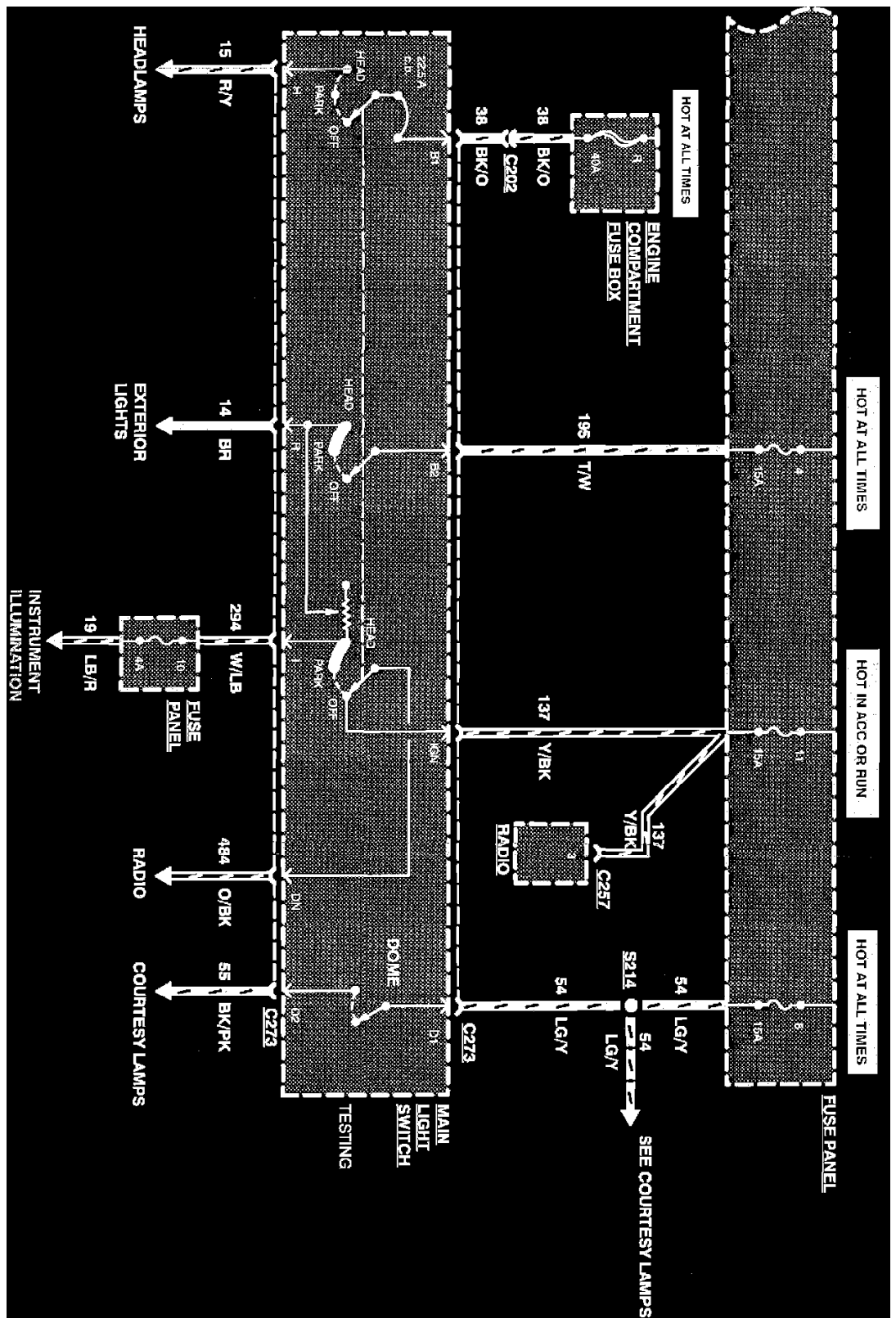
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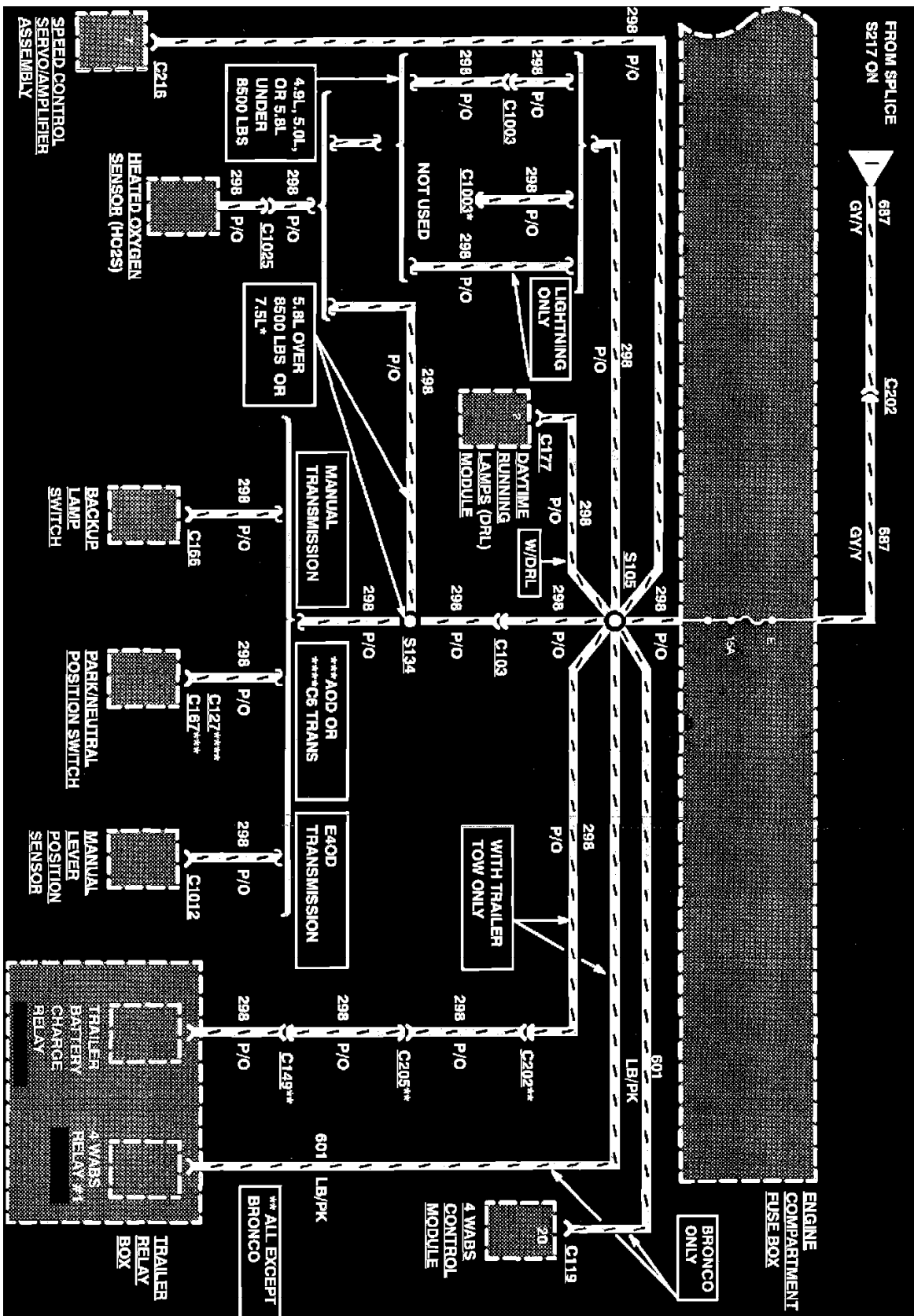
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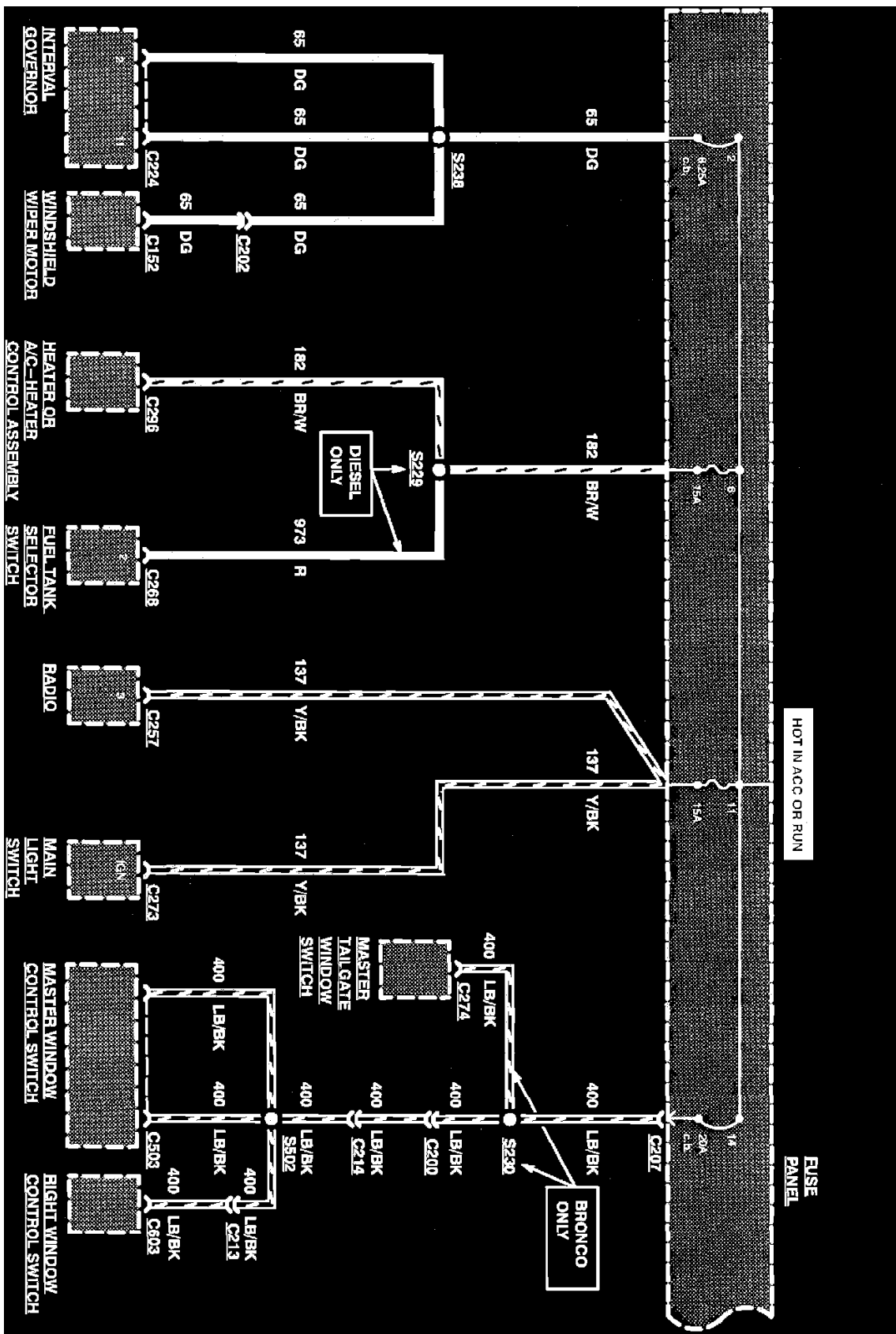
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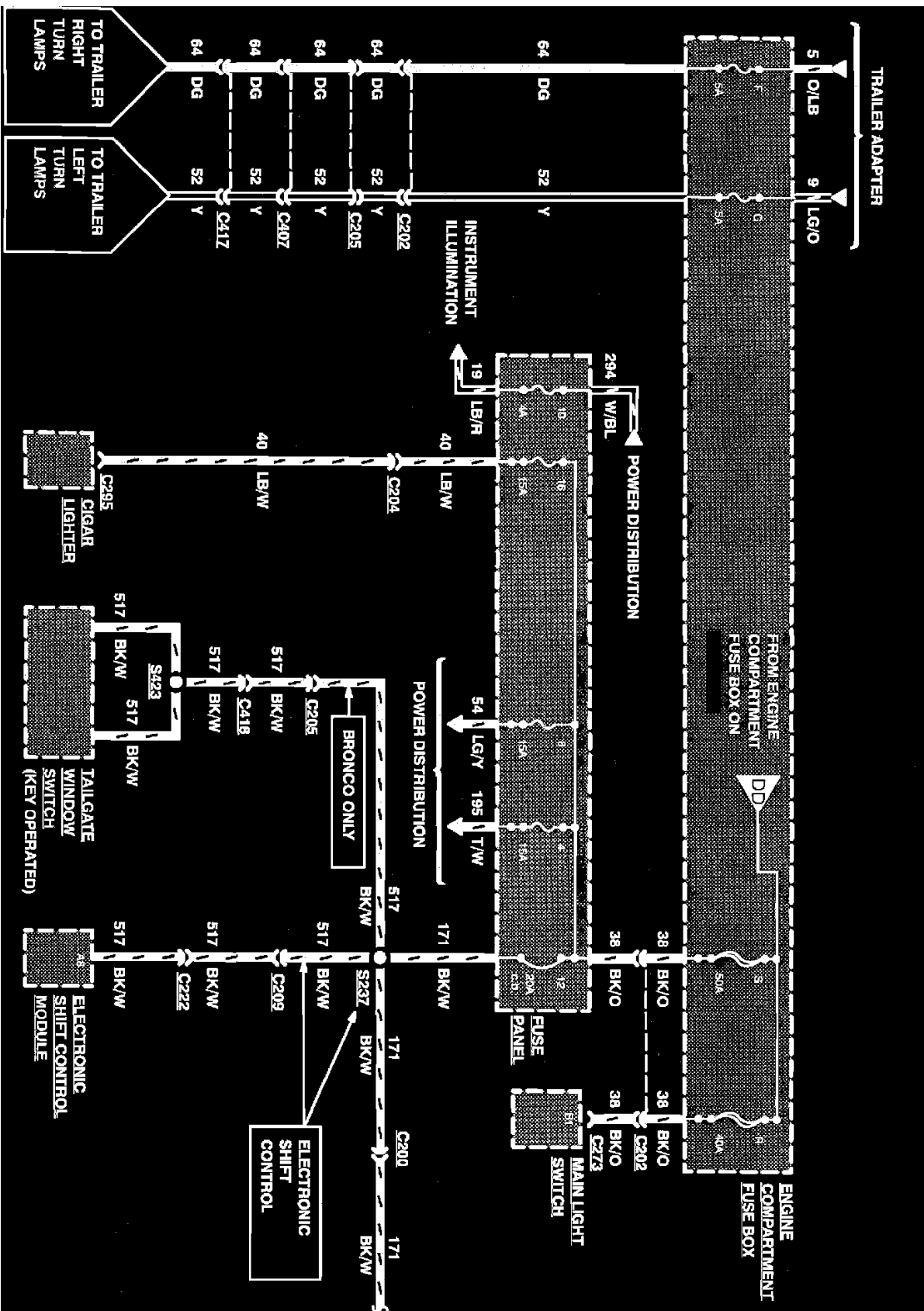
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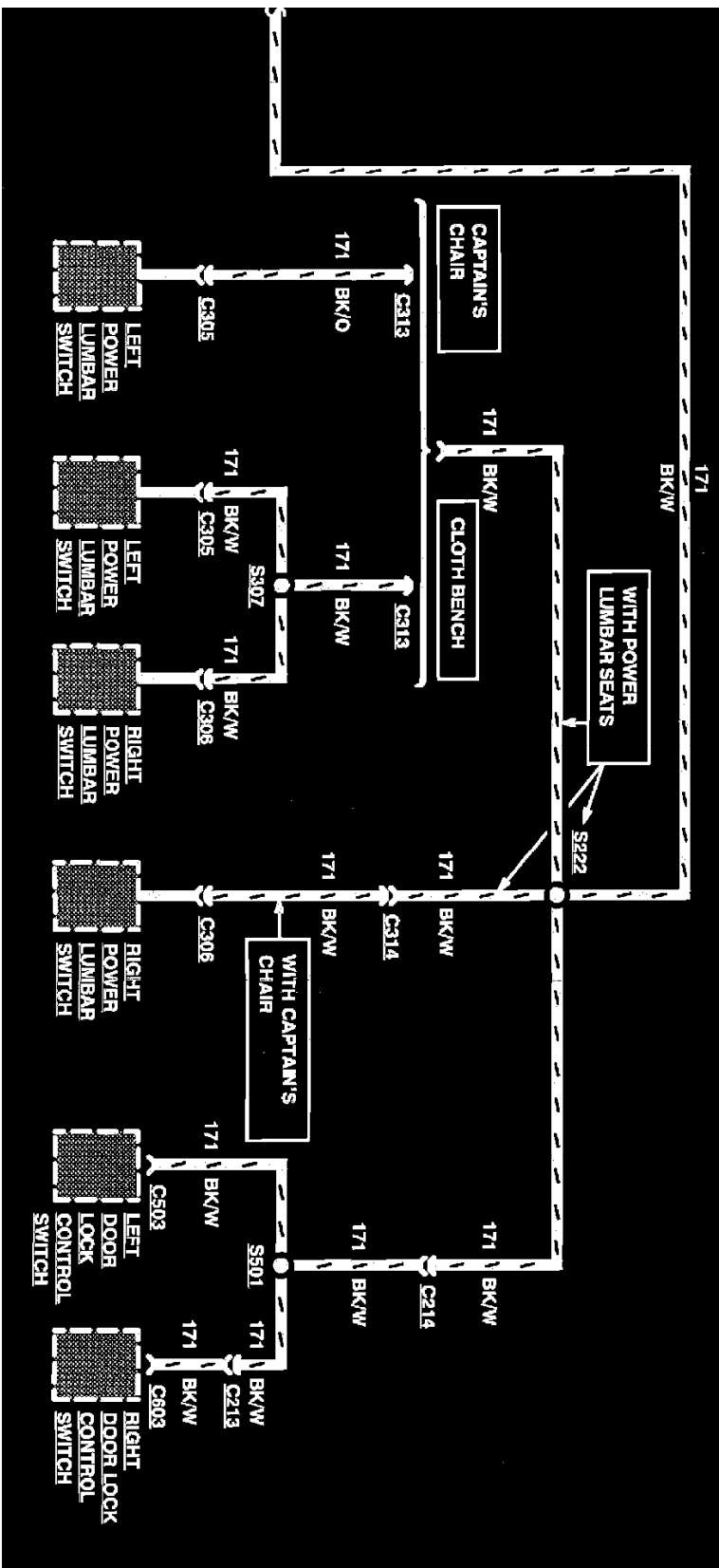
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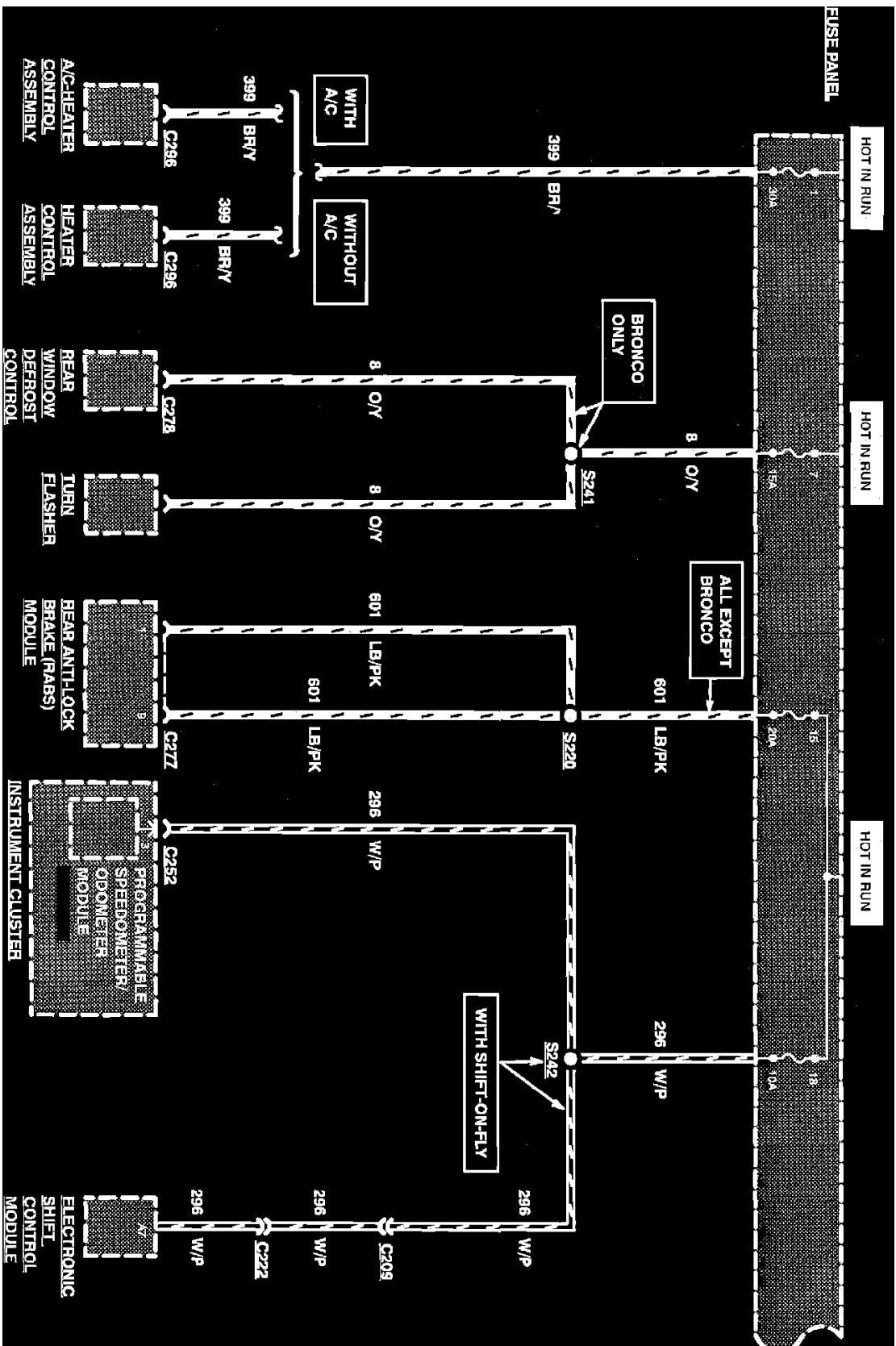
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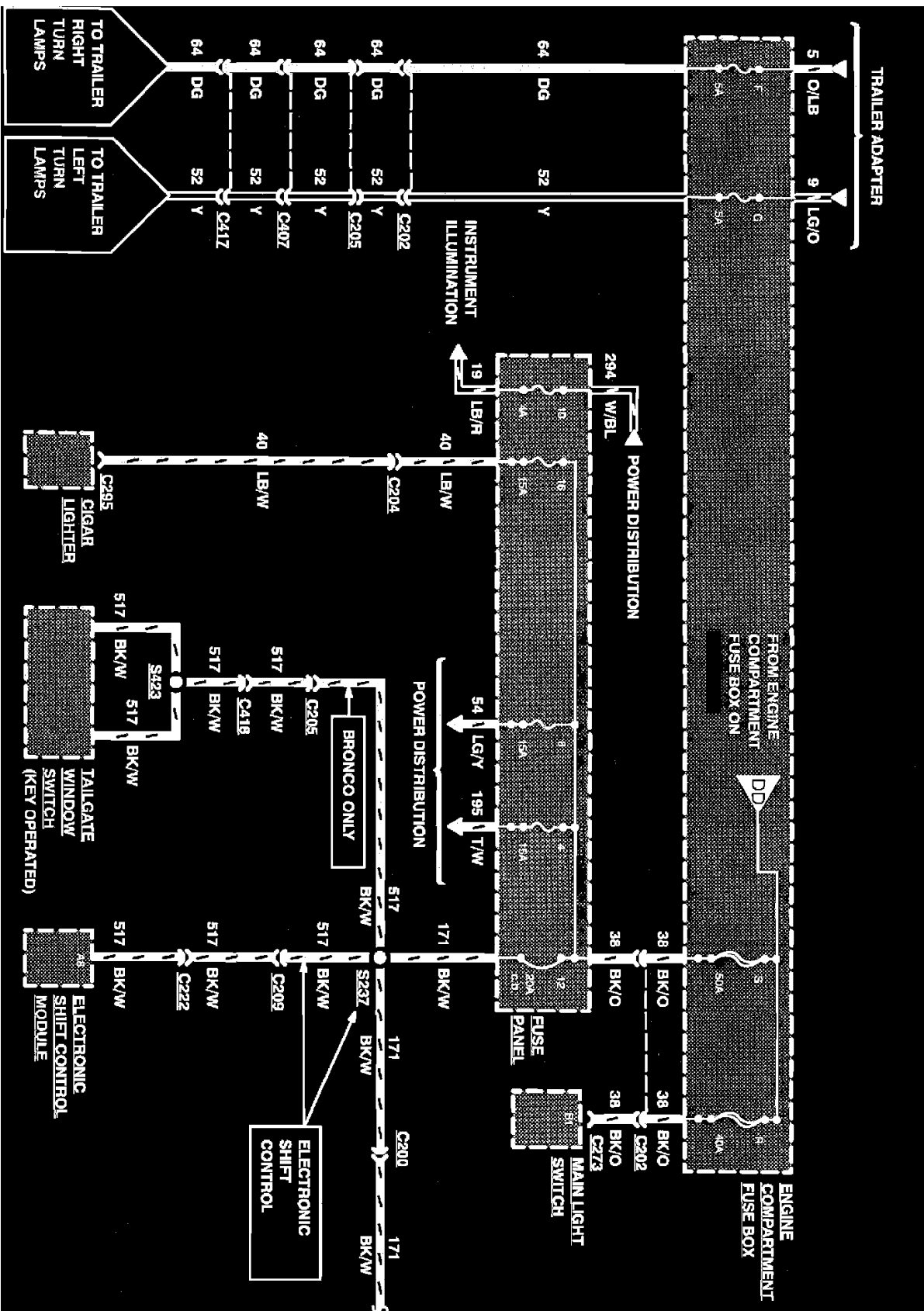
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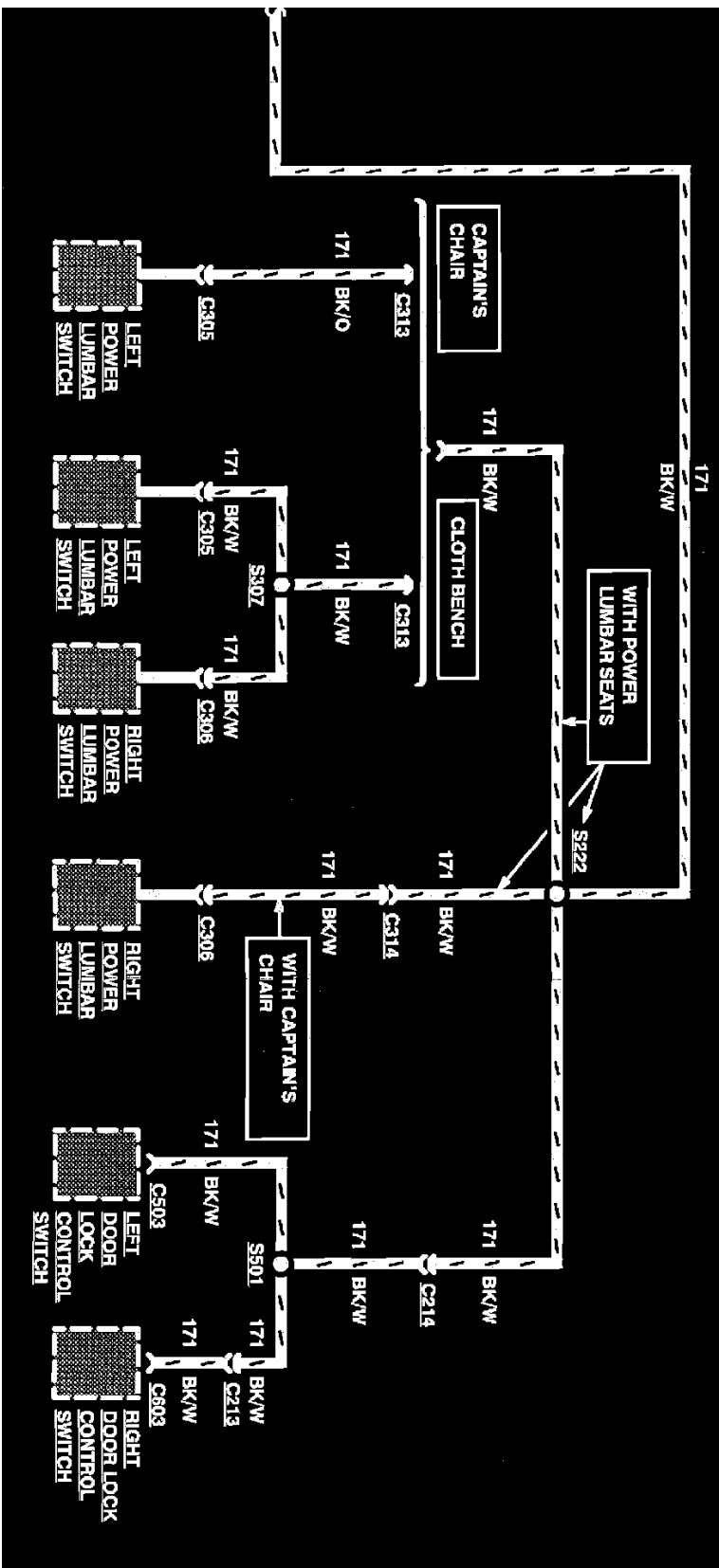
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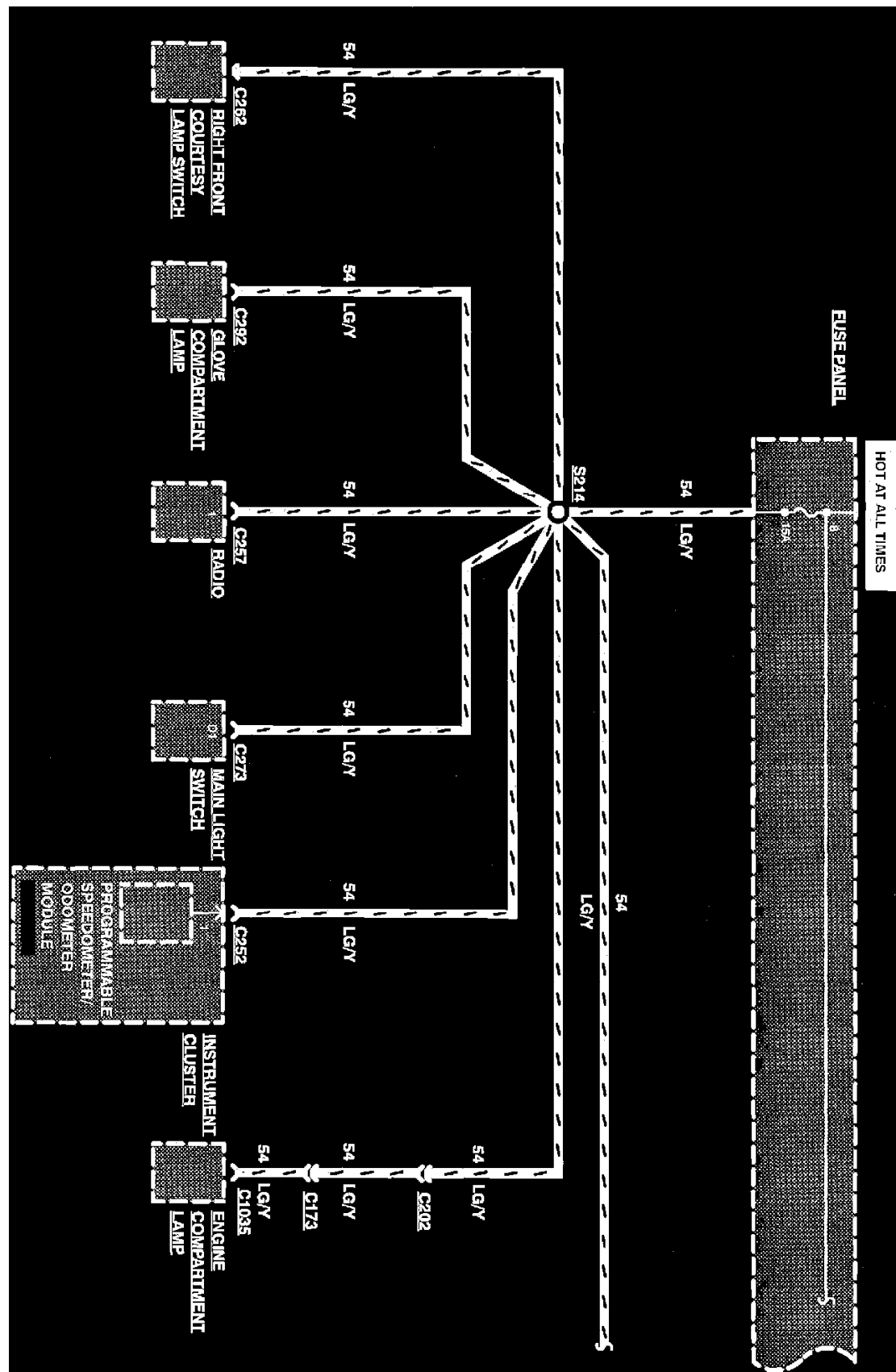
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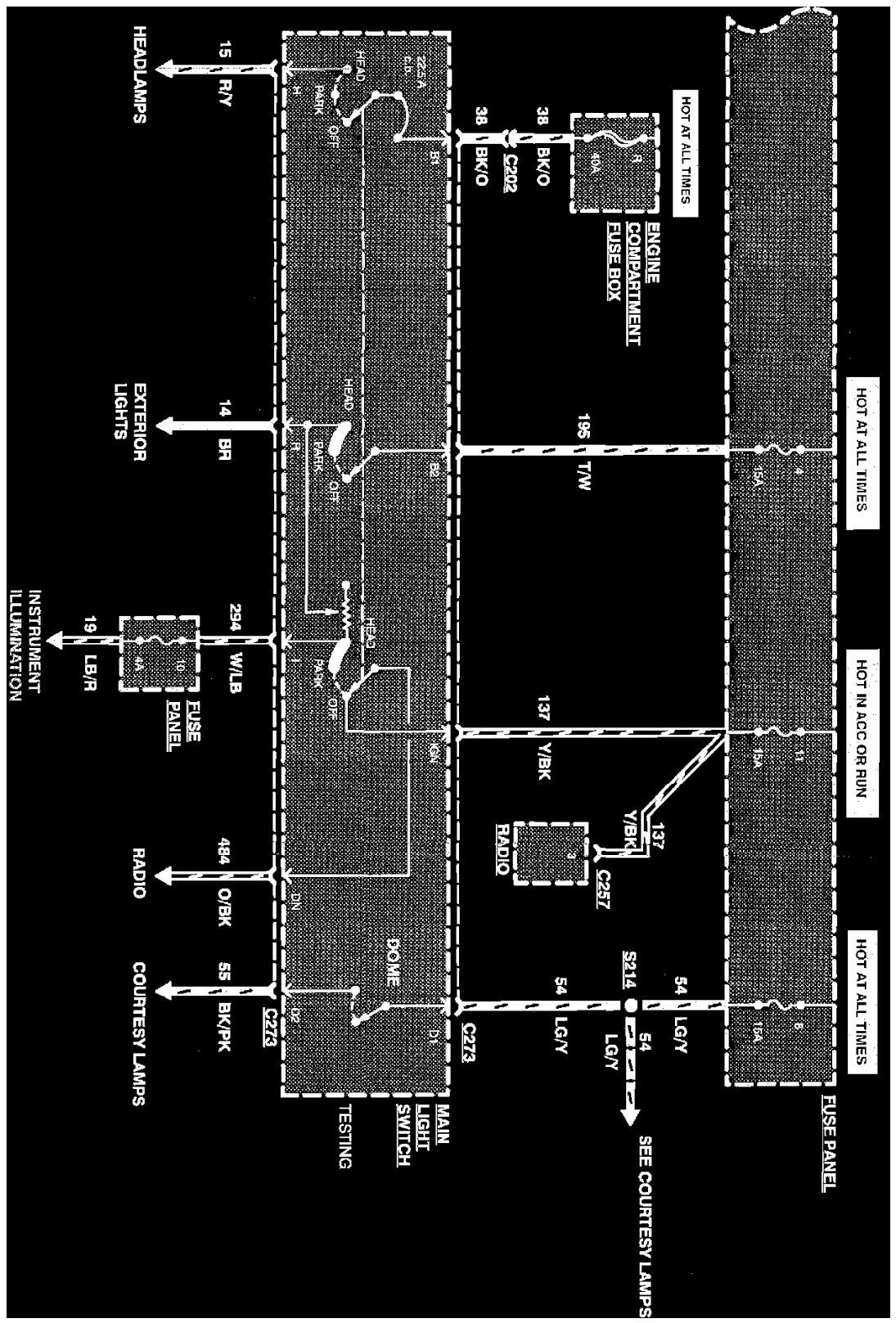
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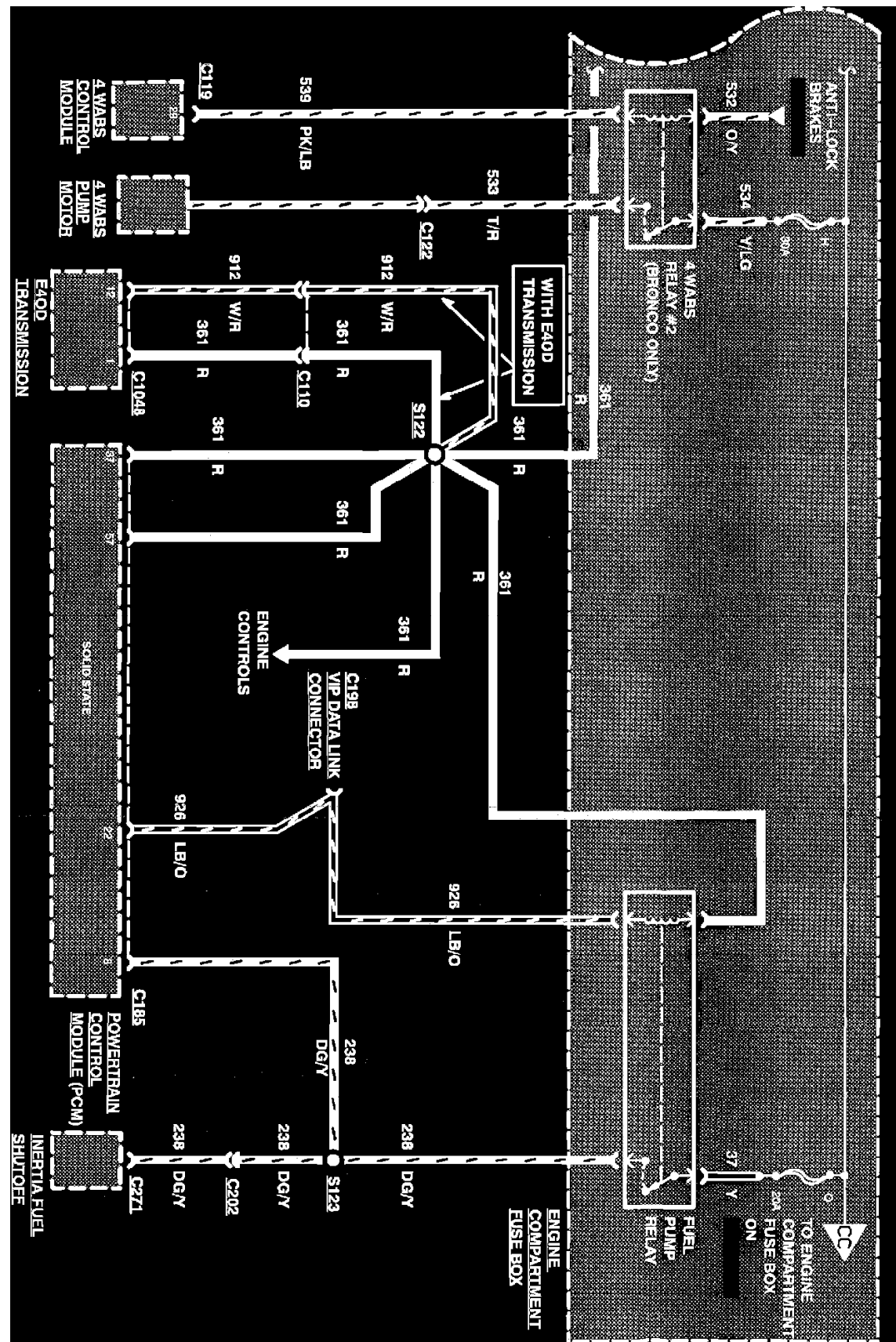
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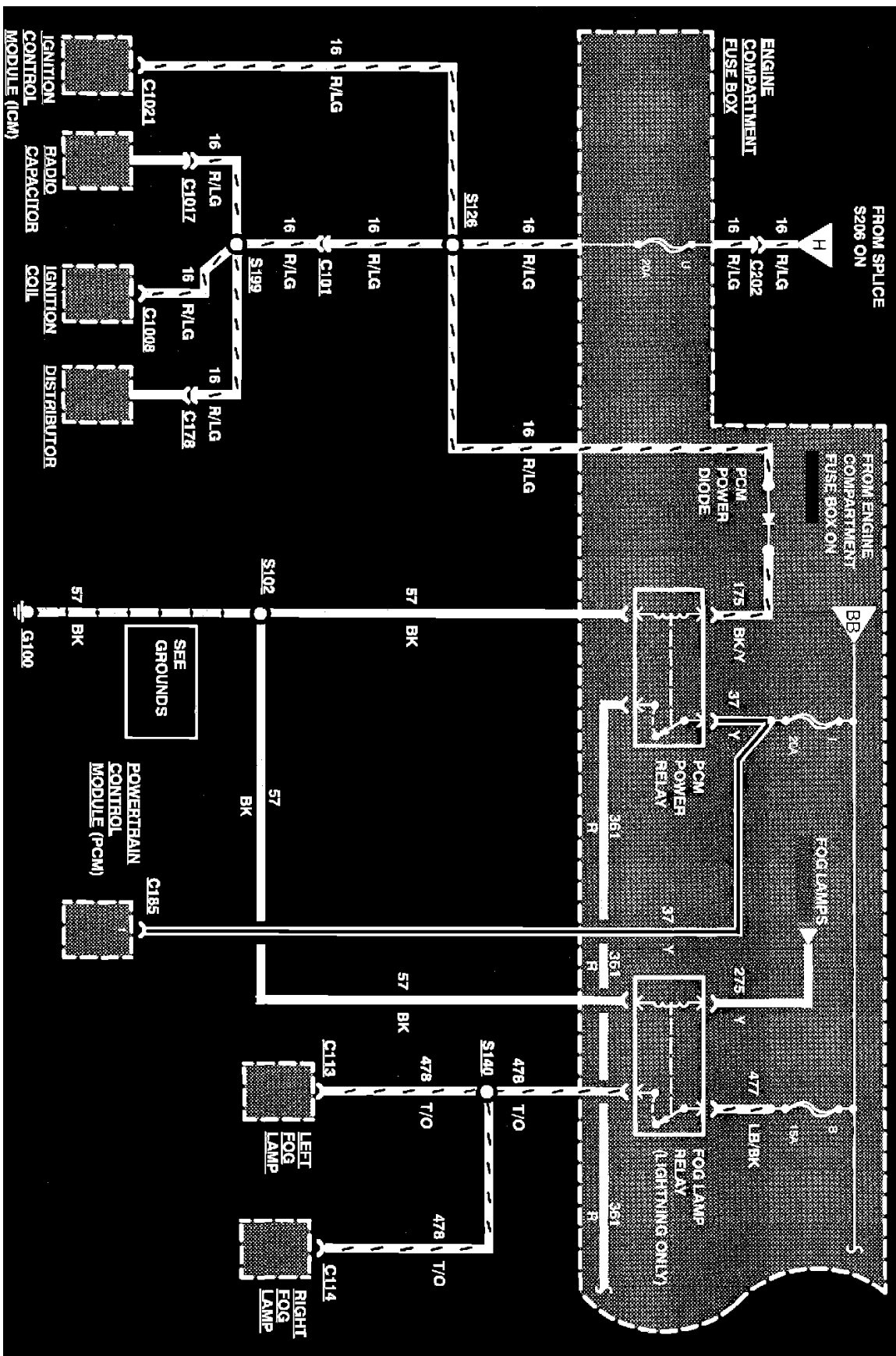
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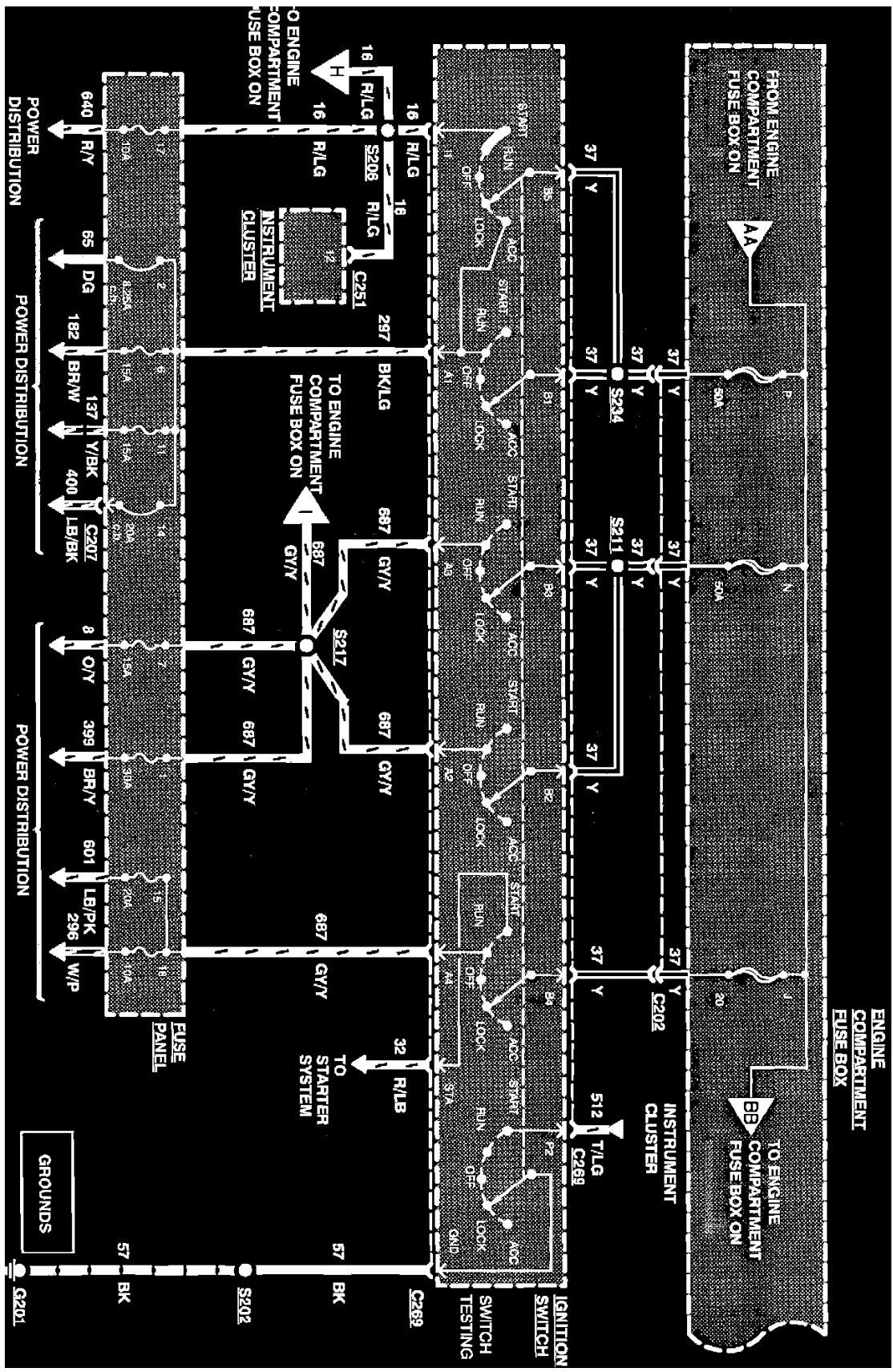
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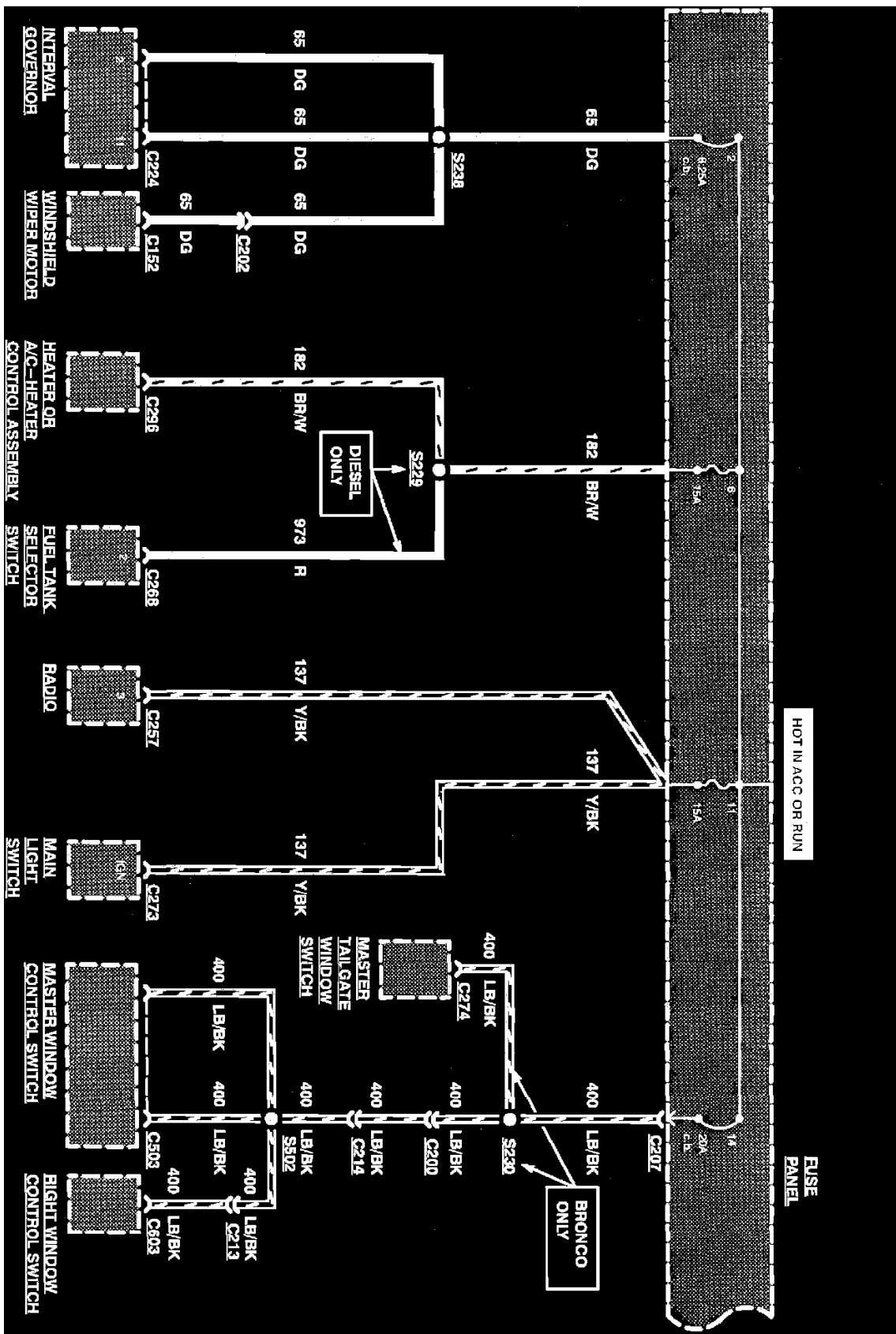
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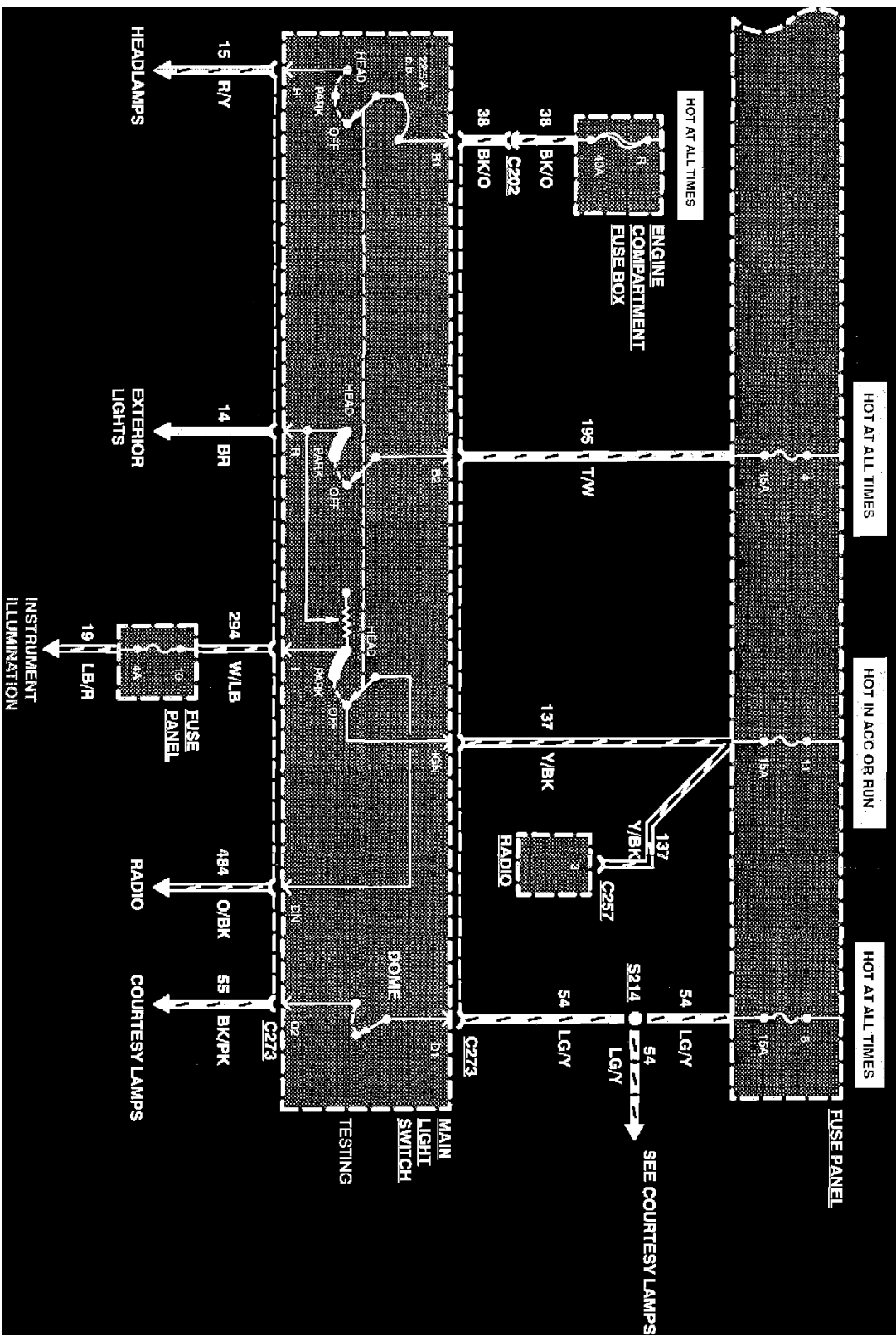
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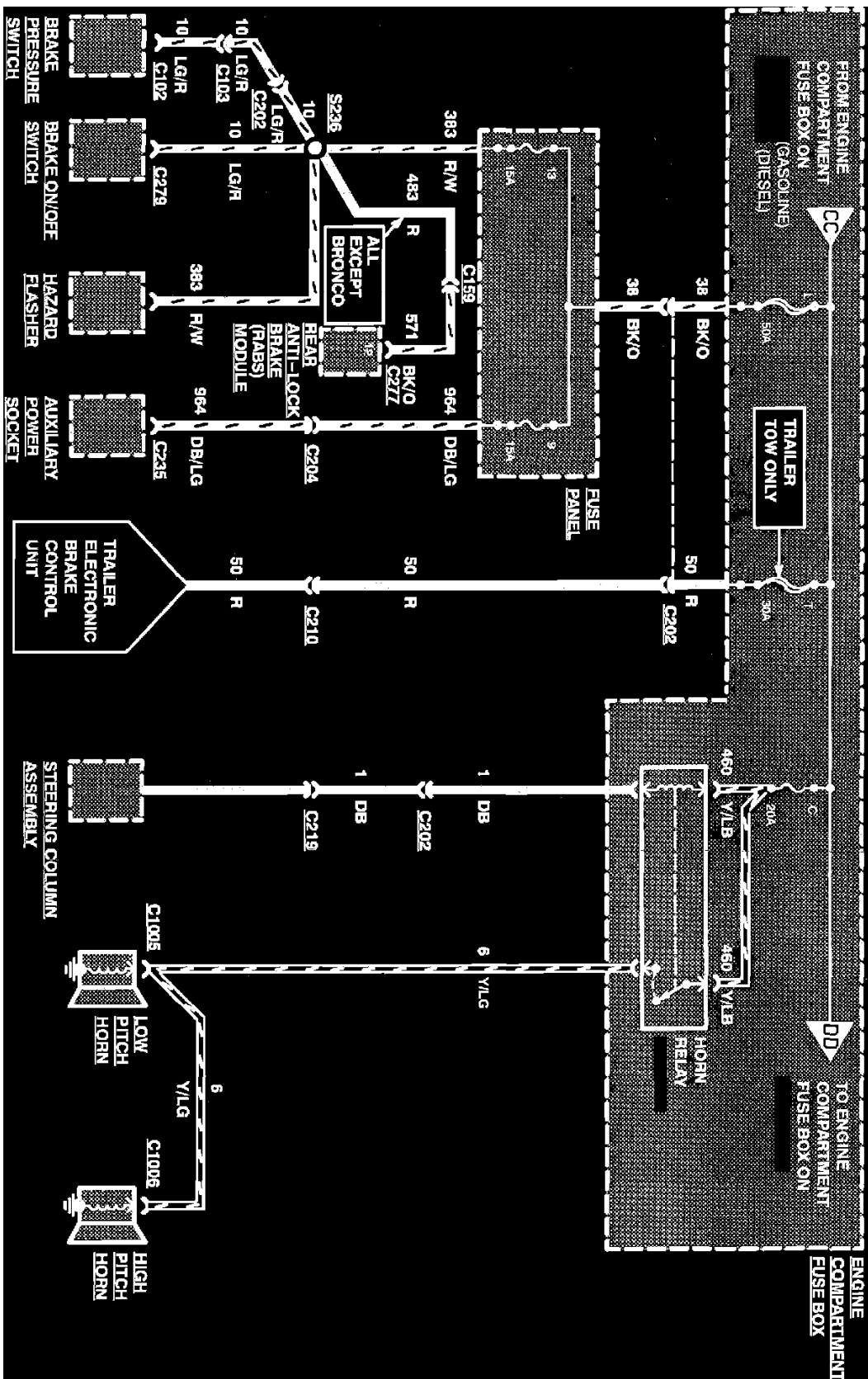
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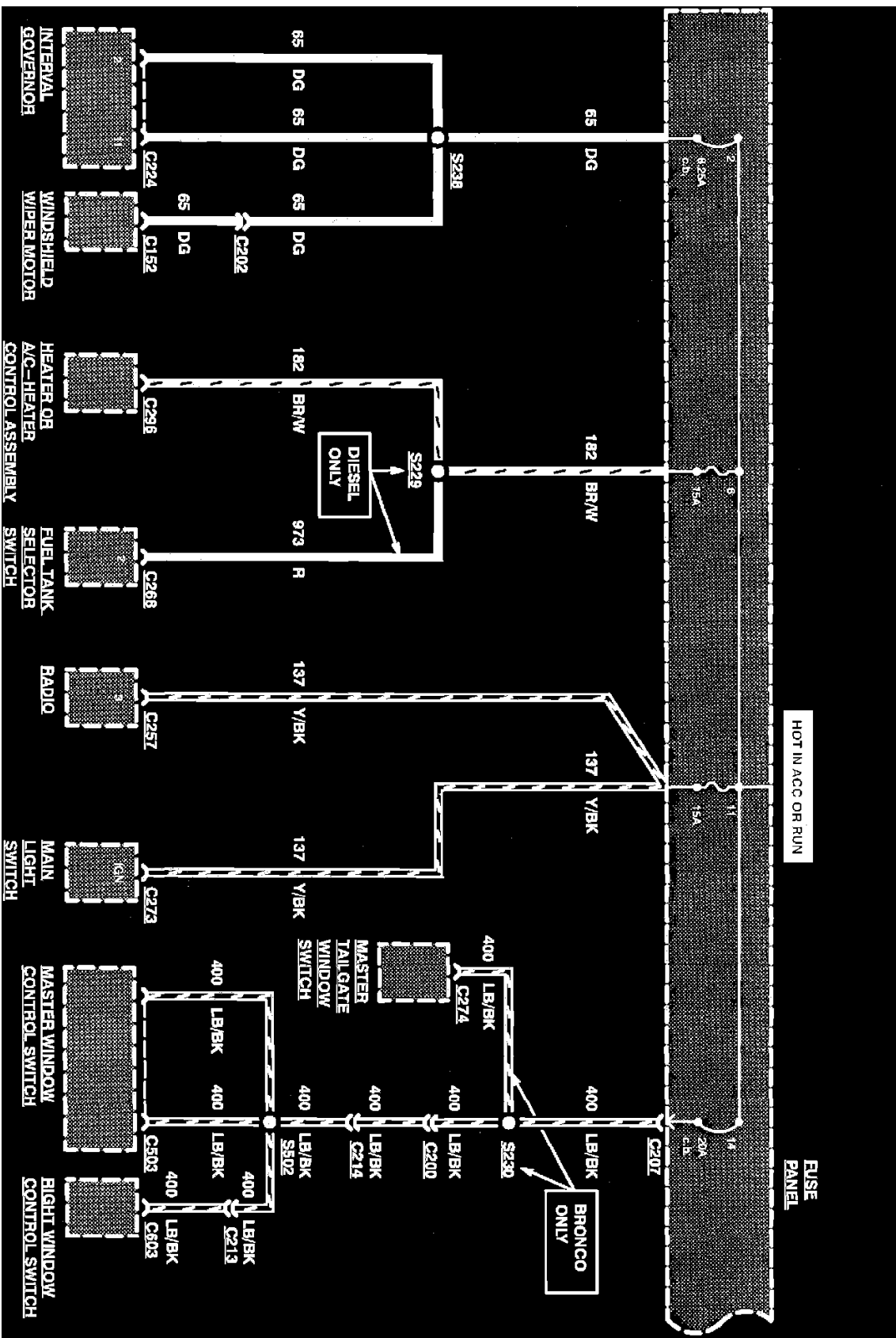
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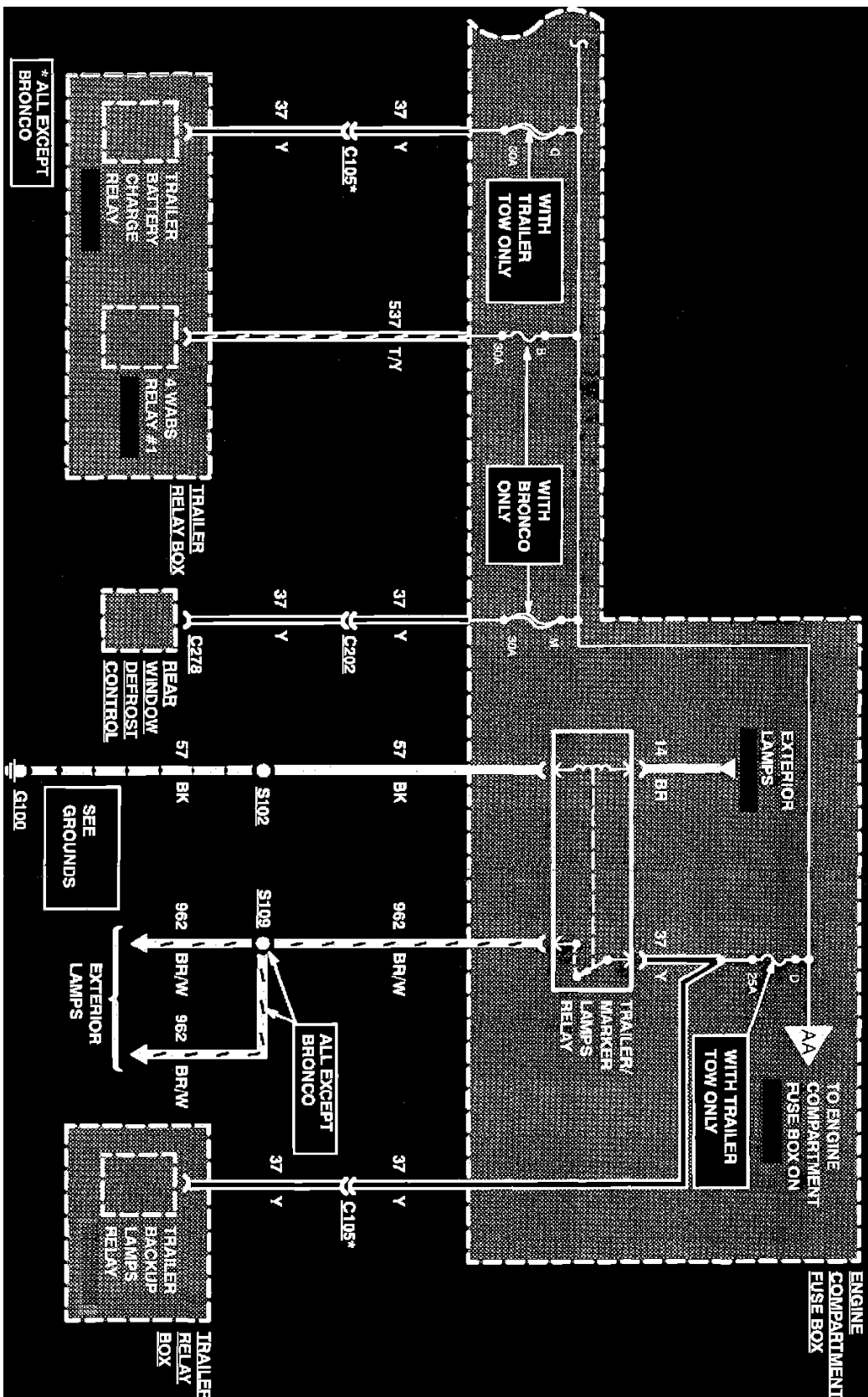
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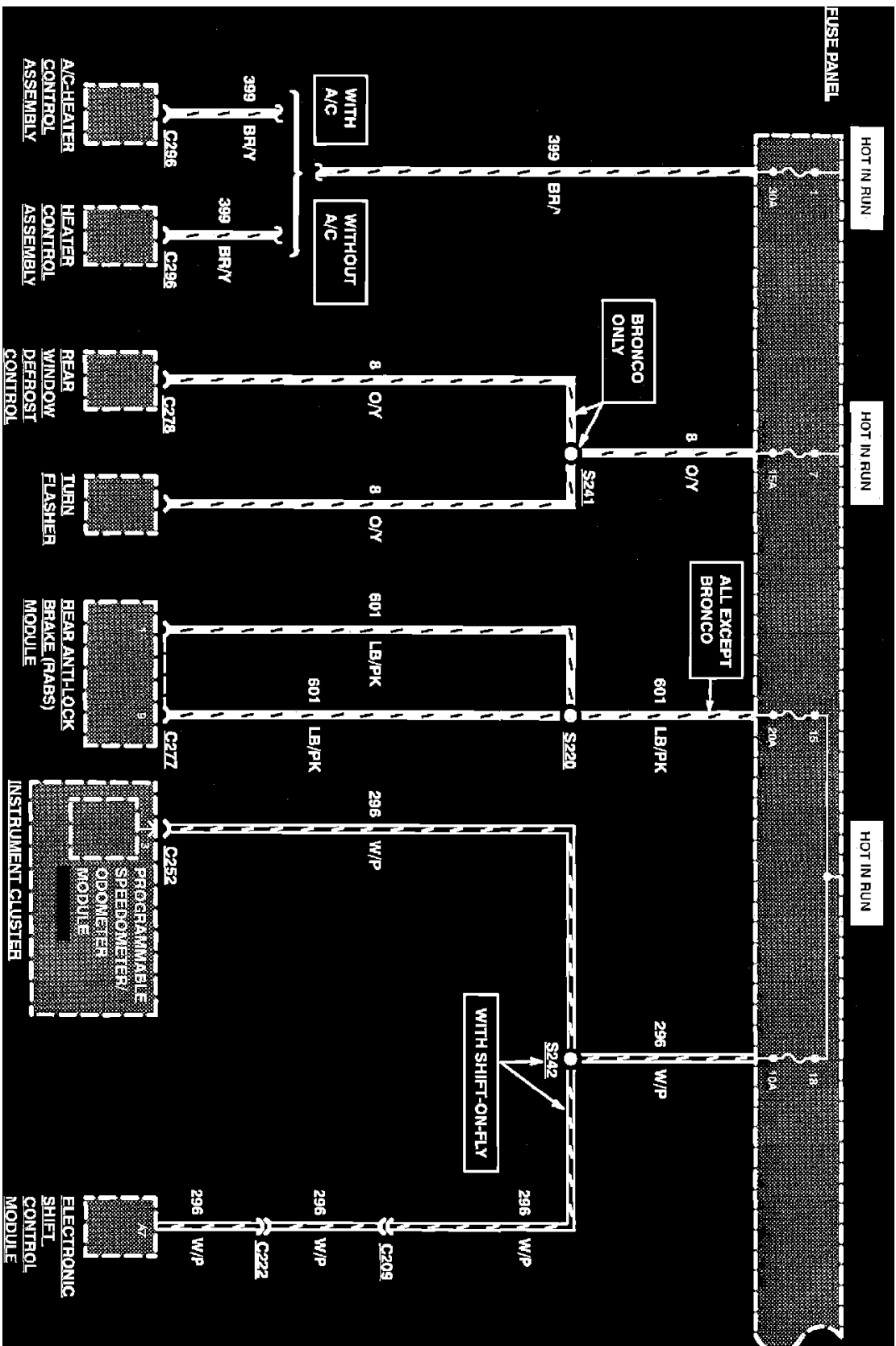
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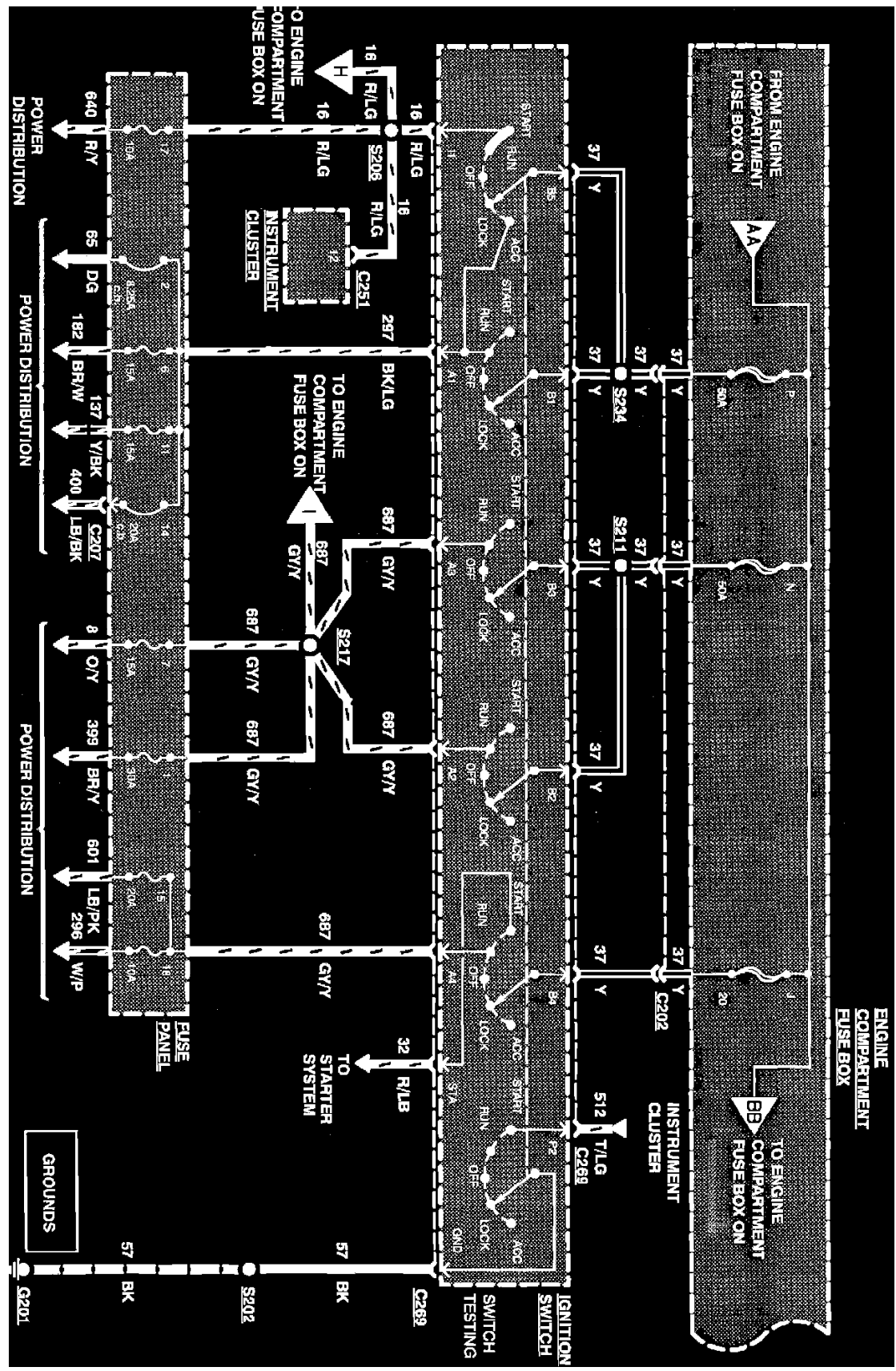
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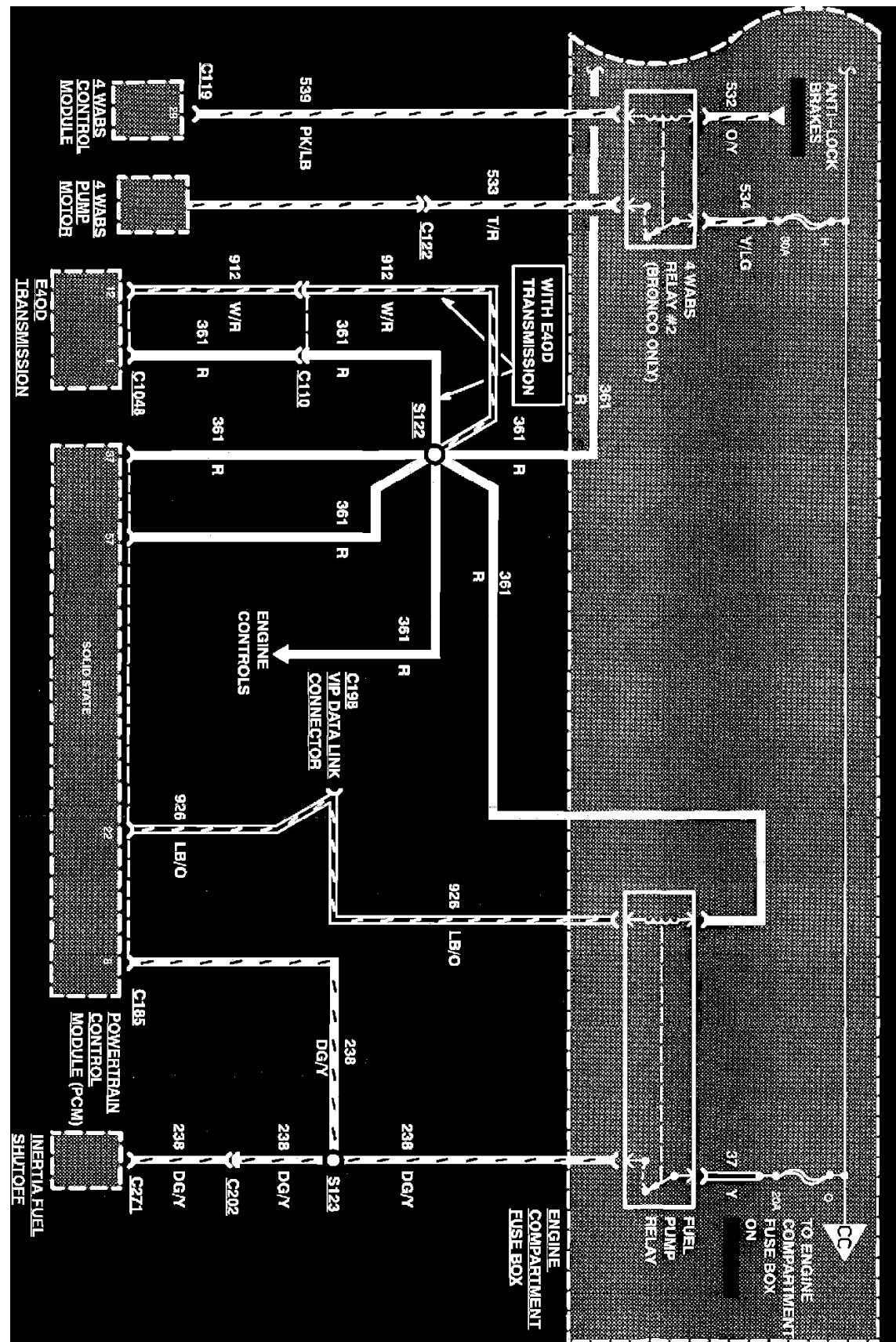
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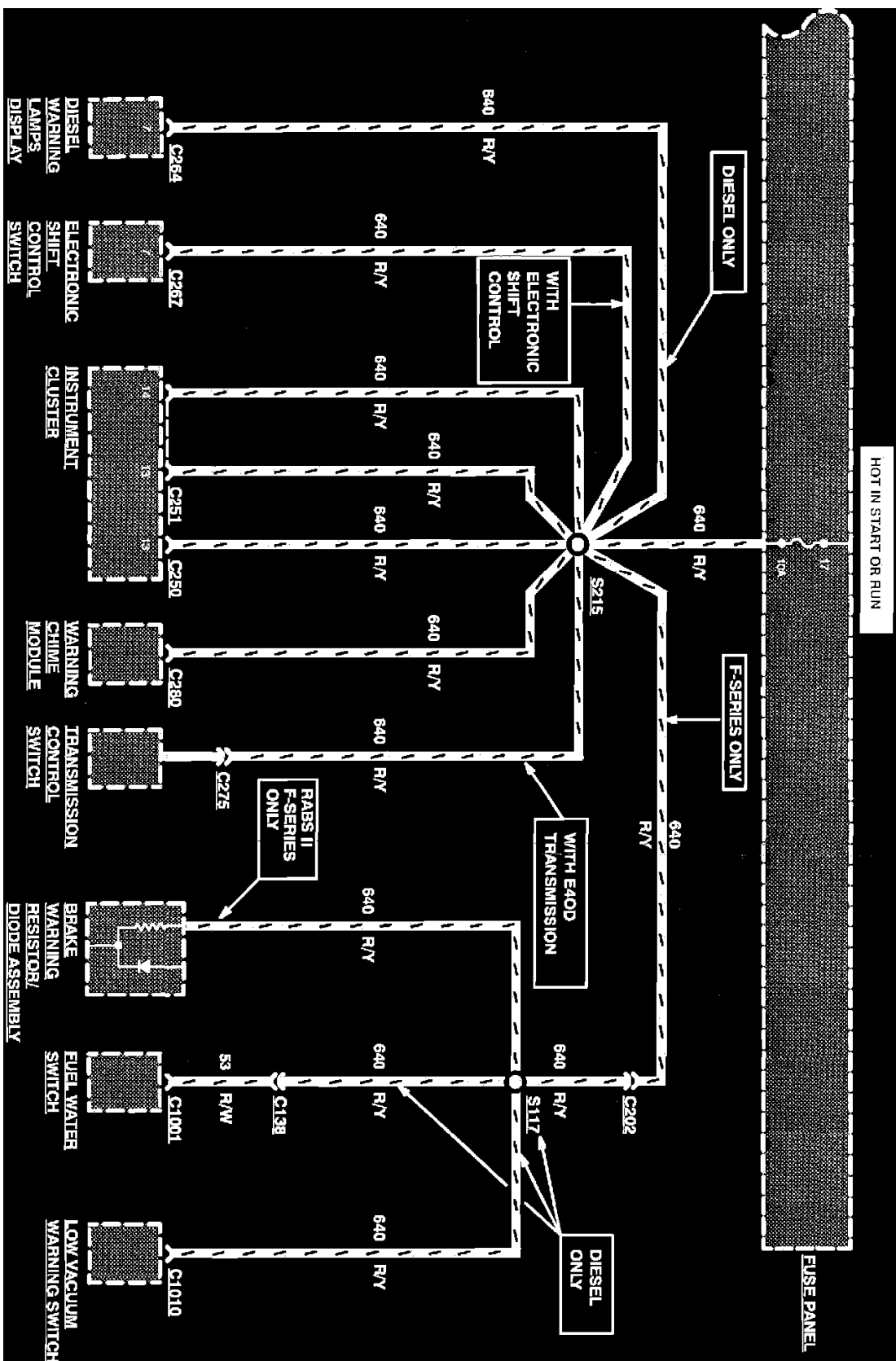
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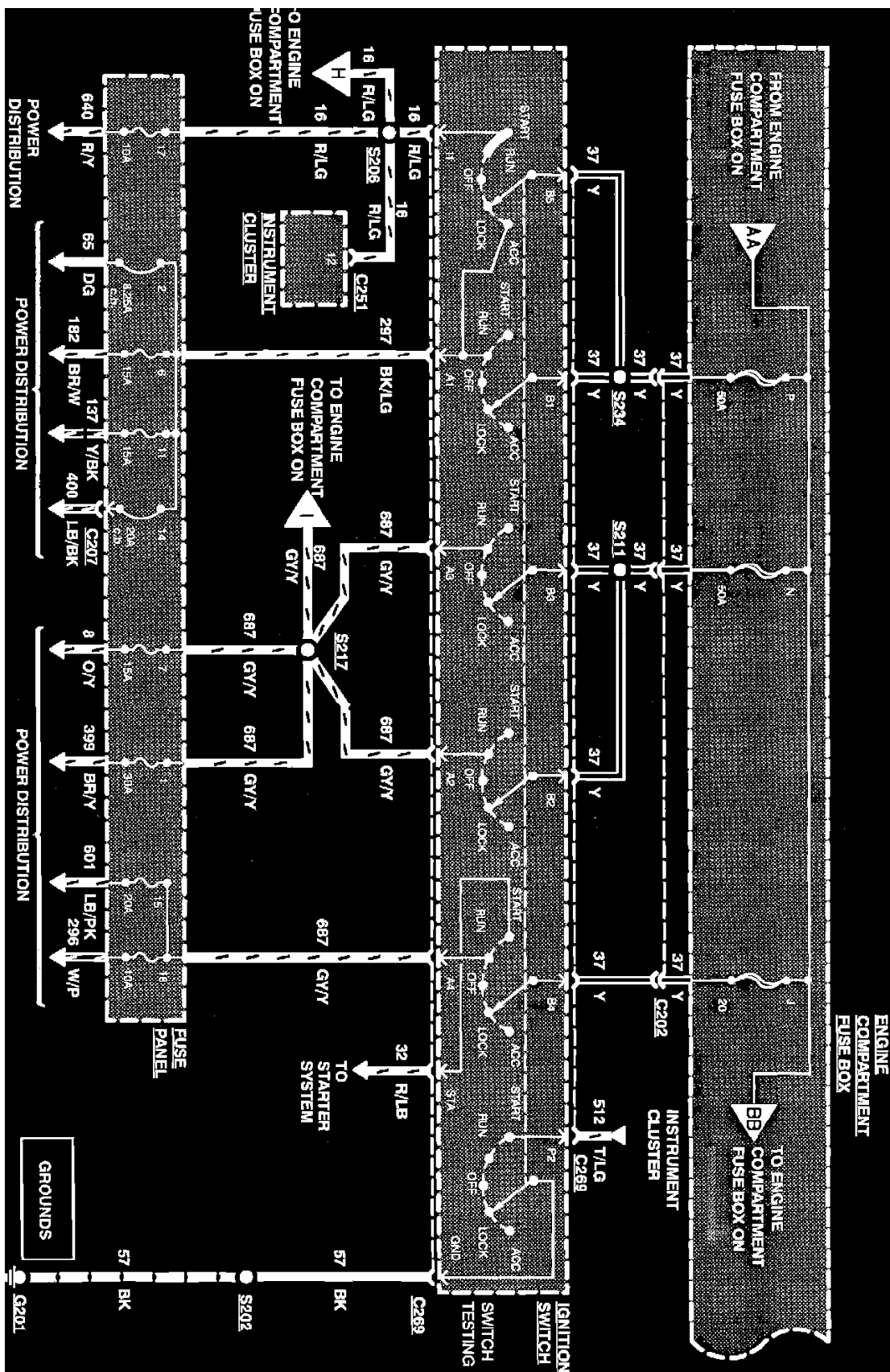
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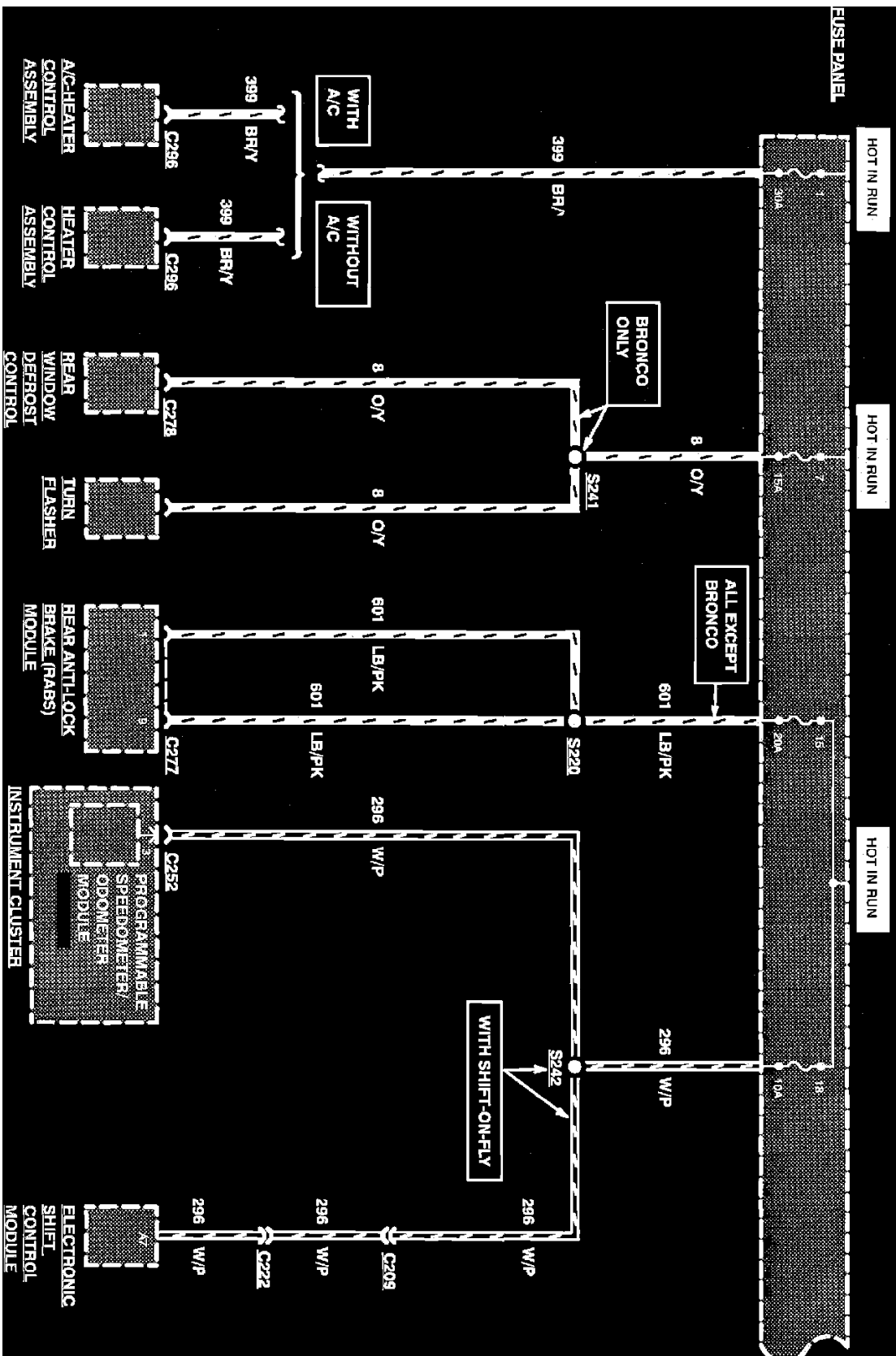
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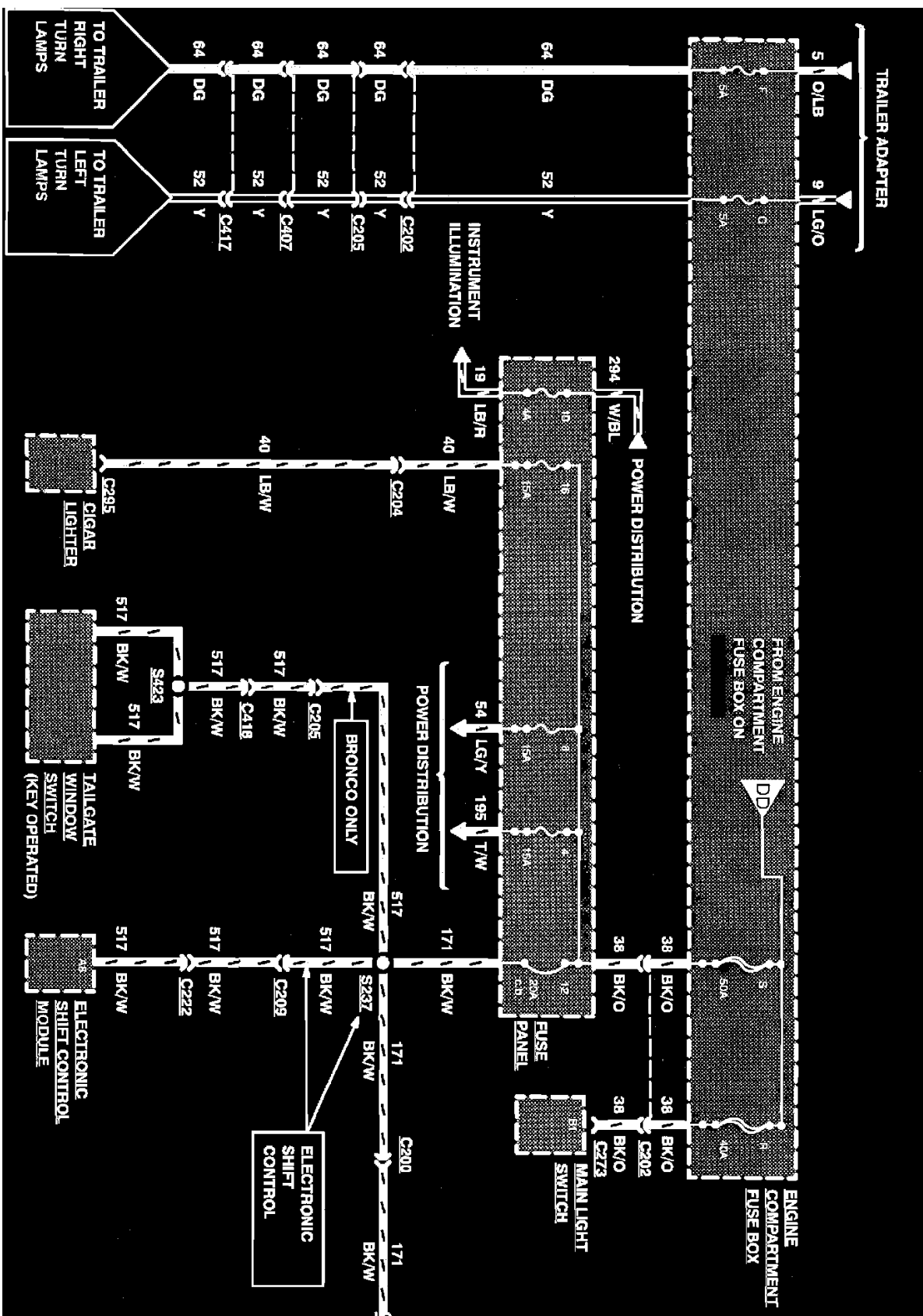
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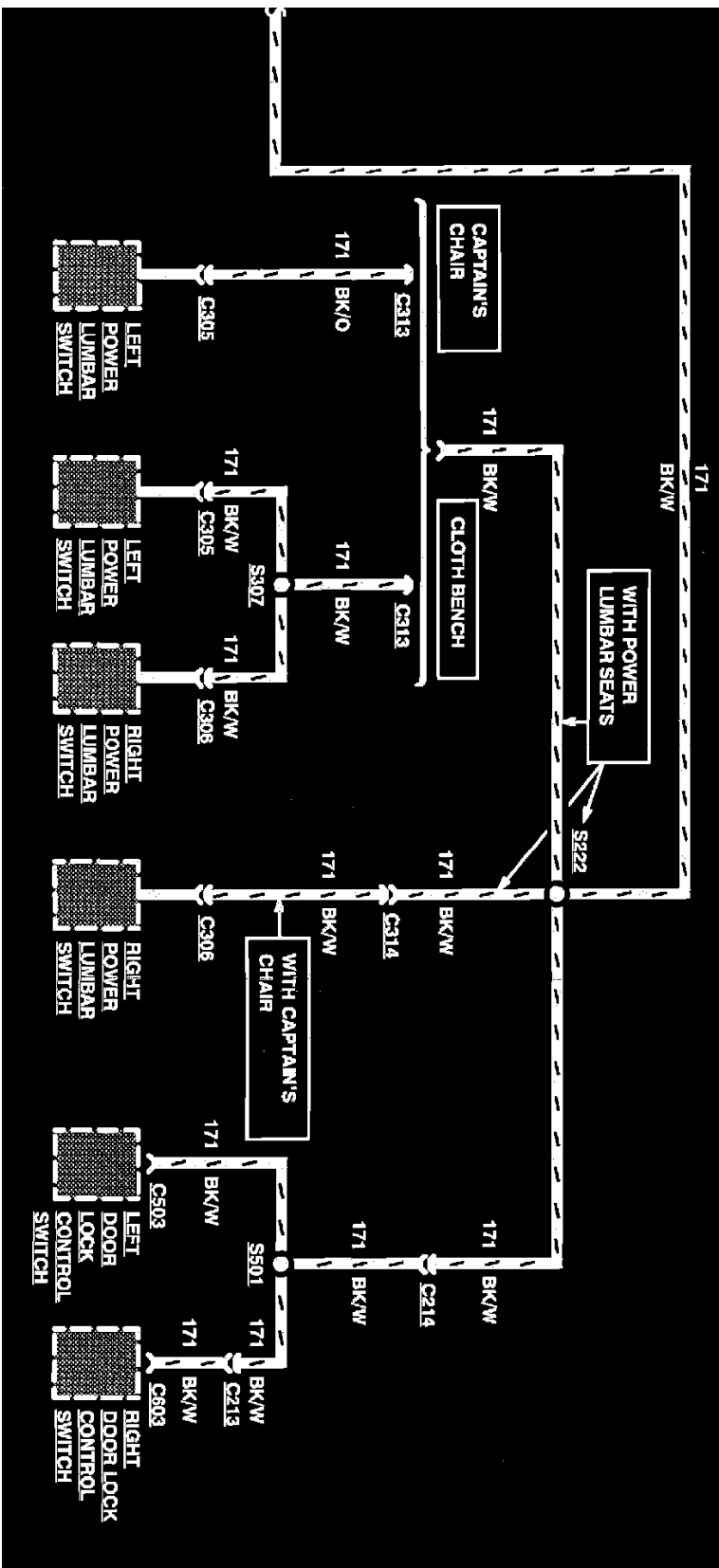
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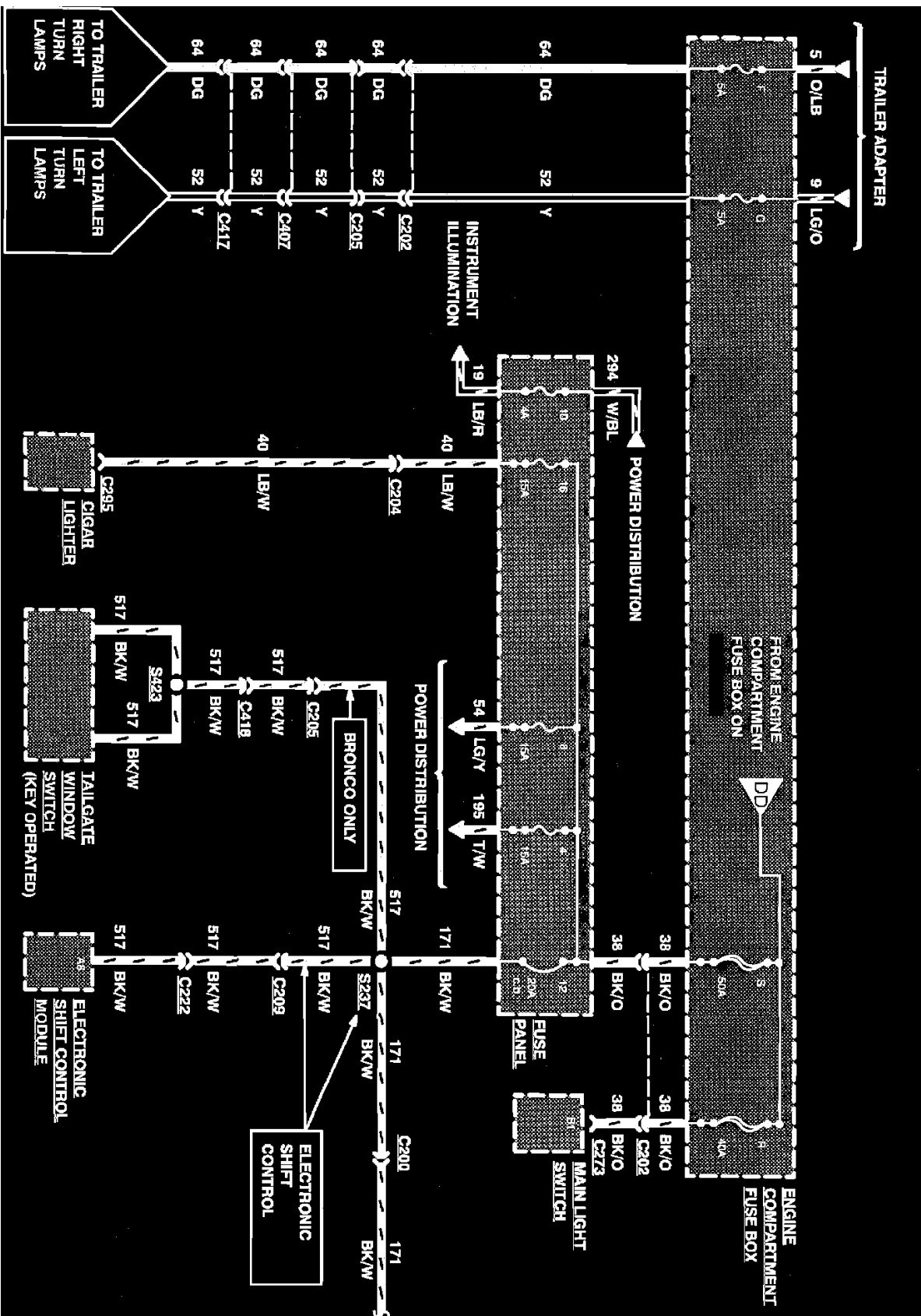
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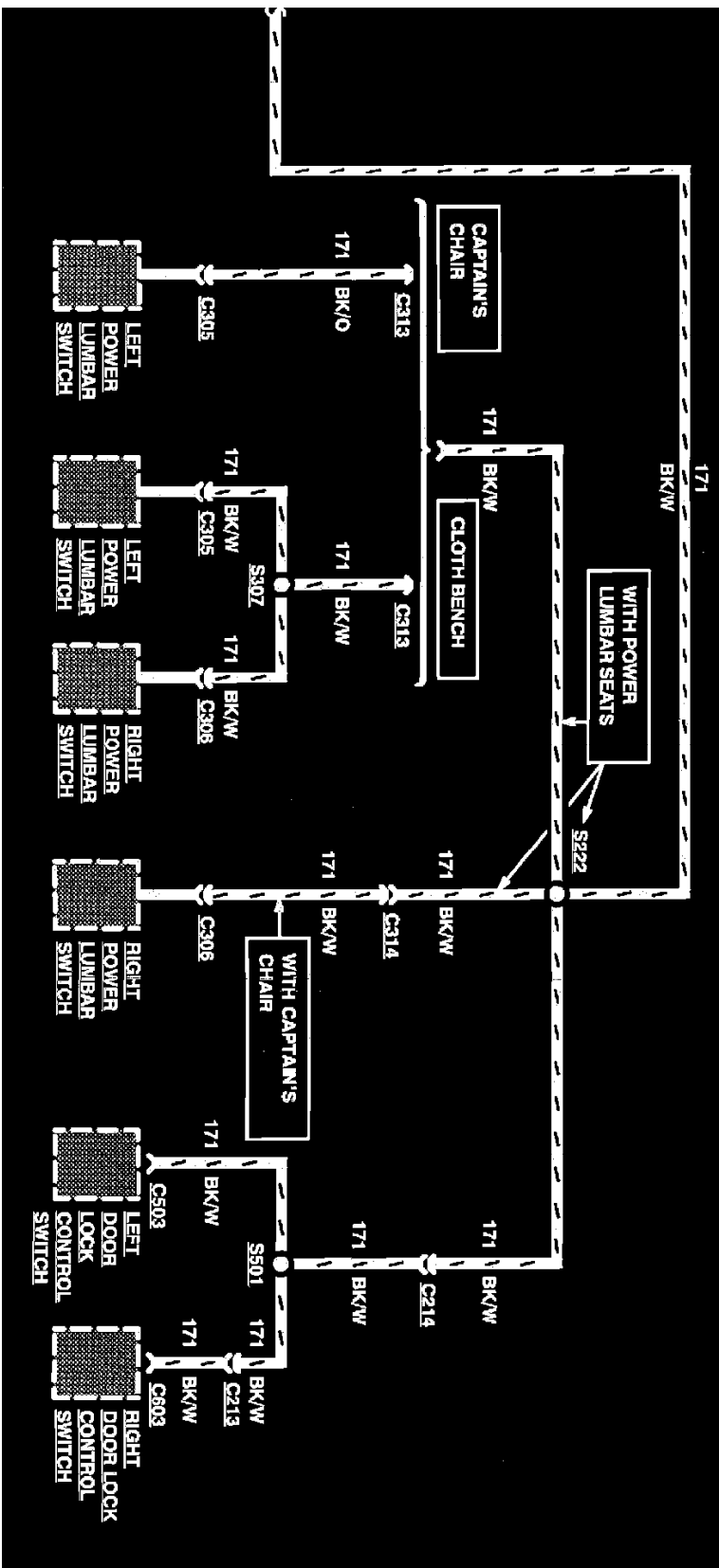
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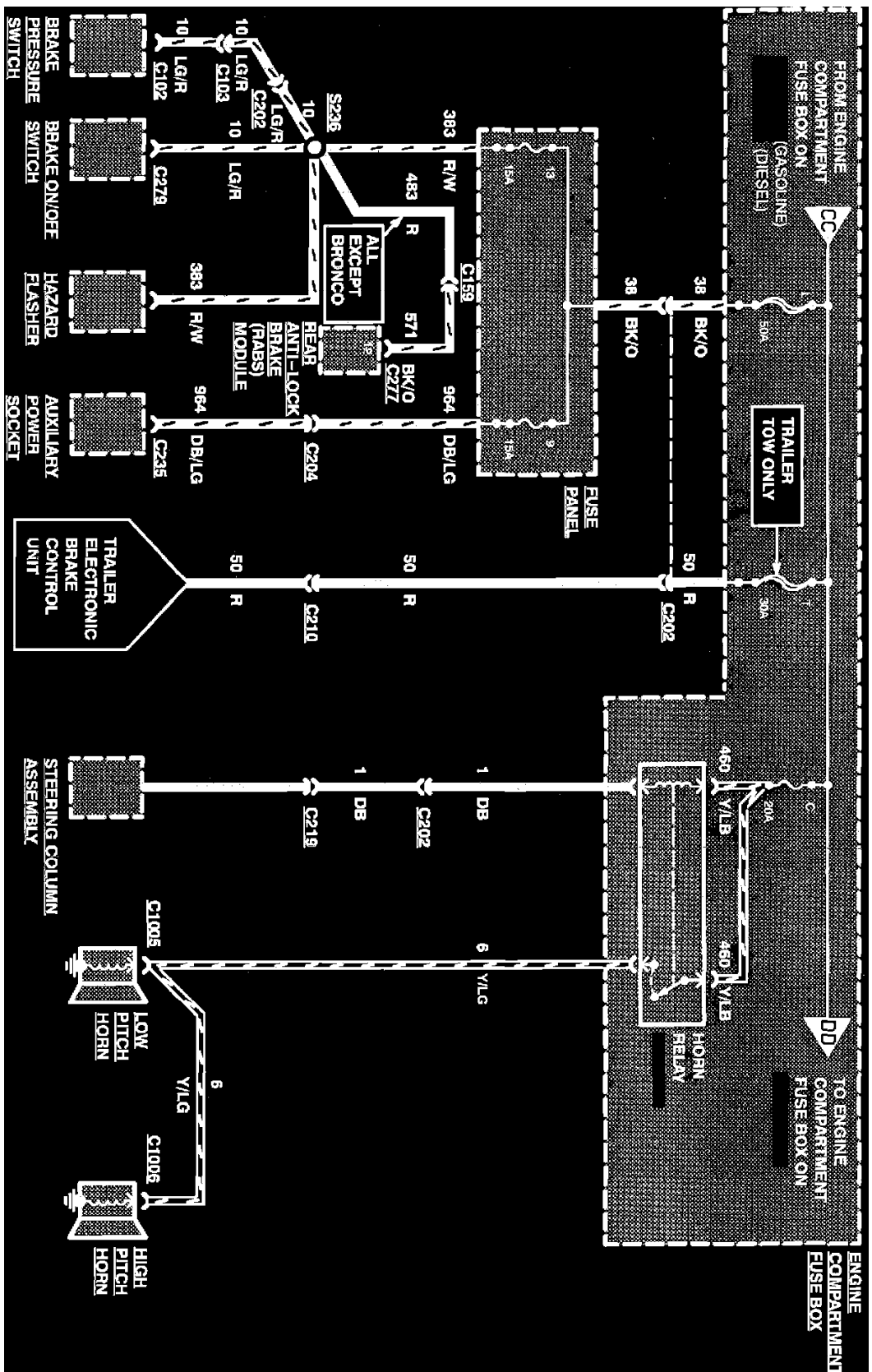
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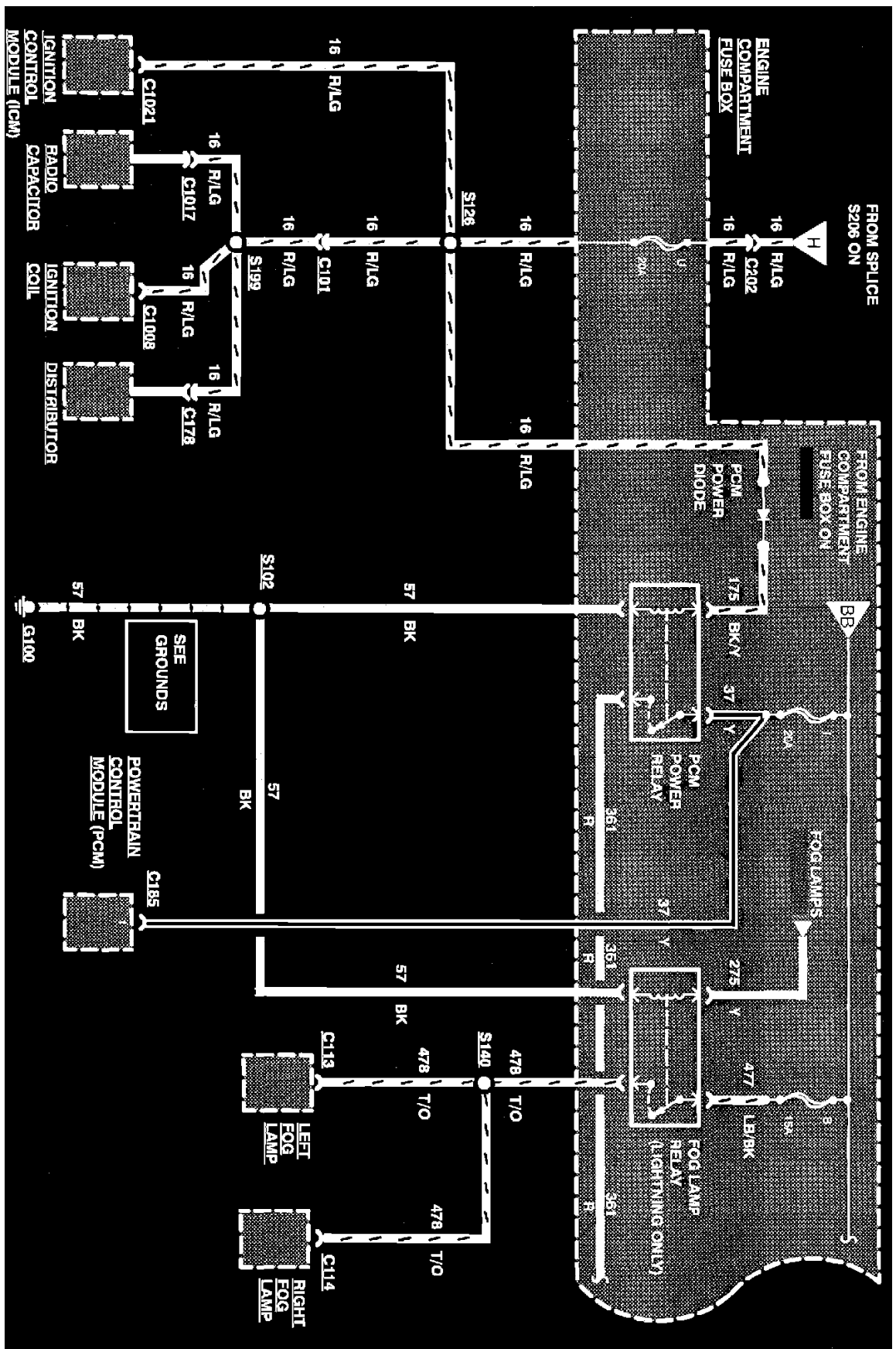
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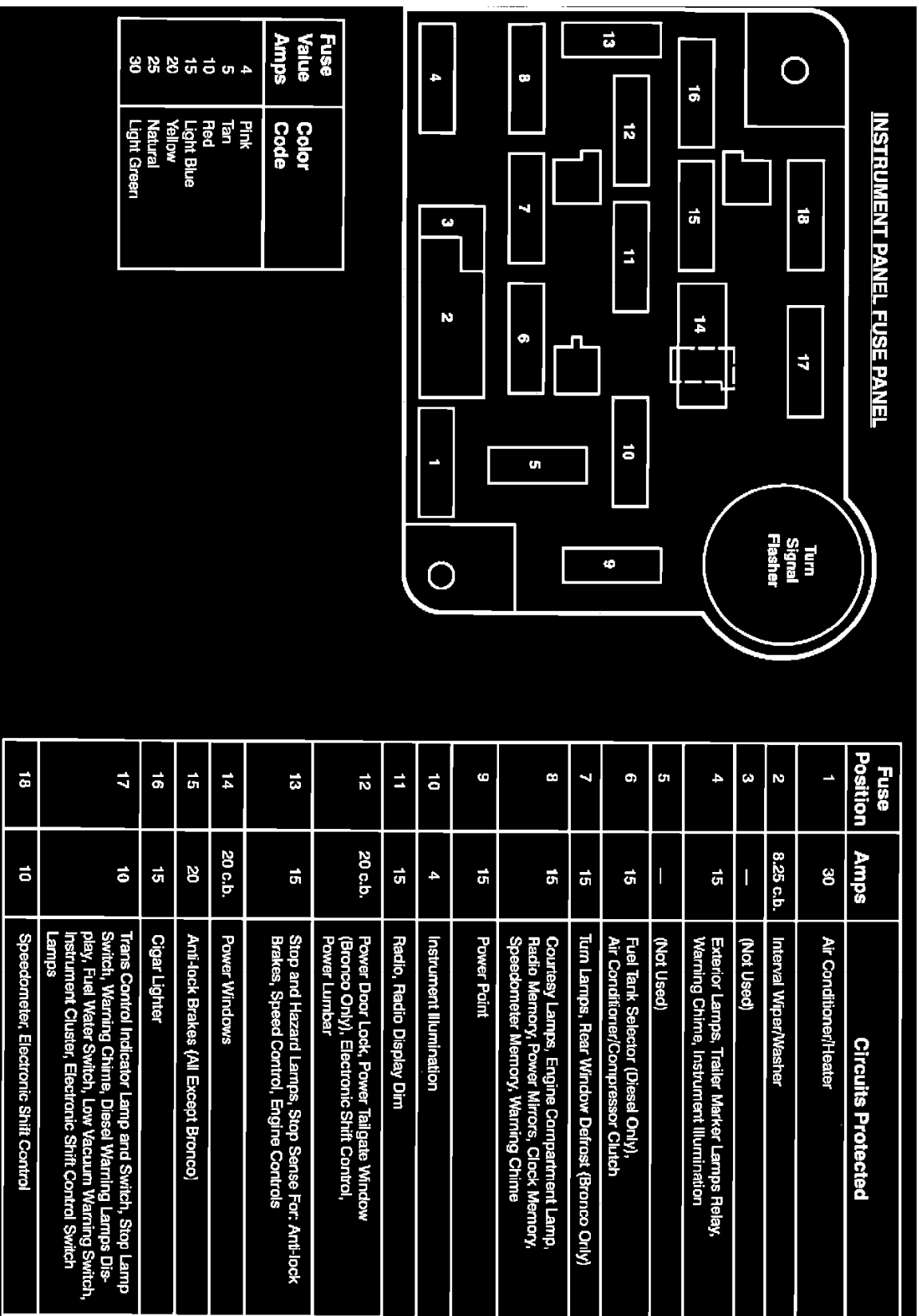
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Power Distribution

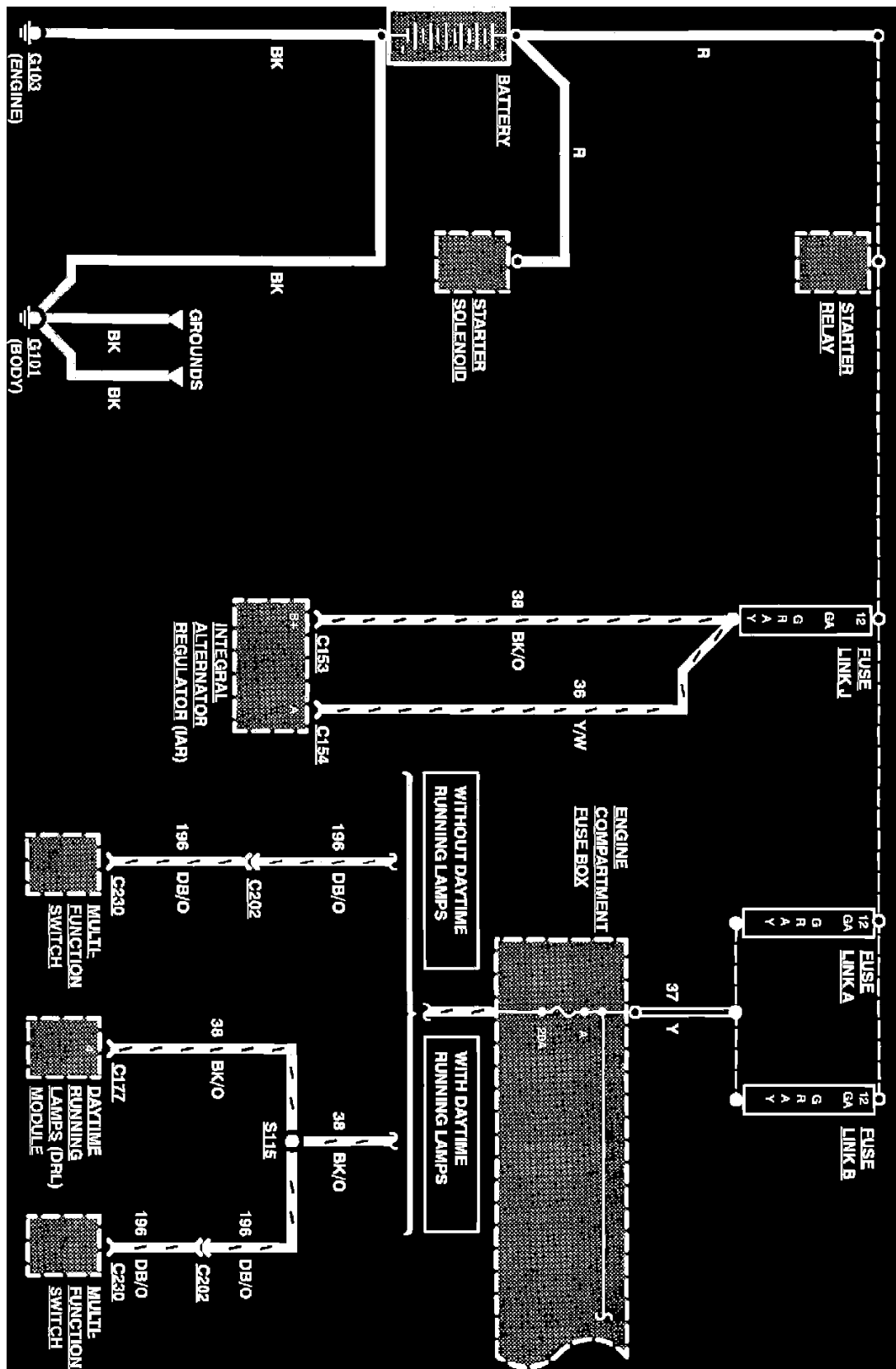


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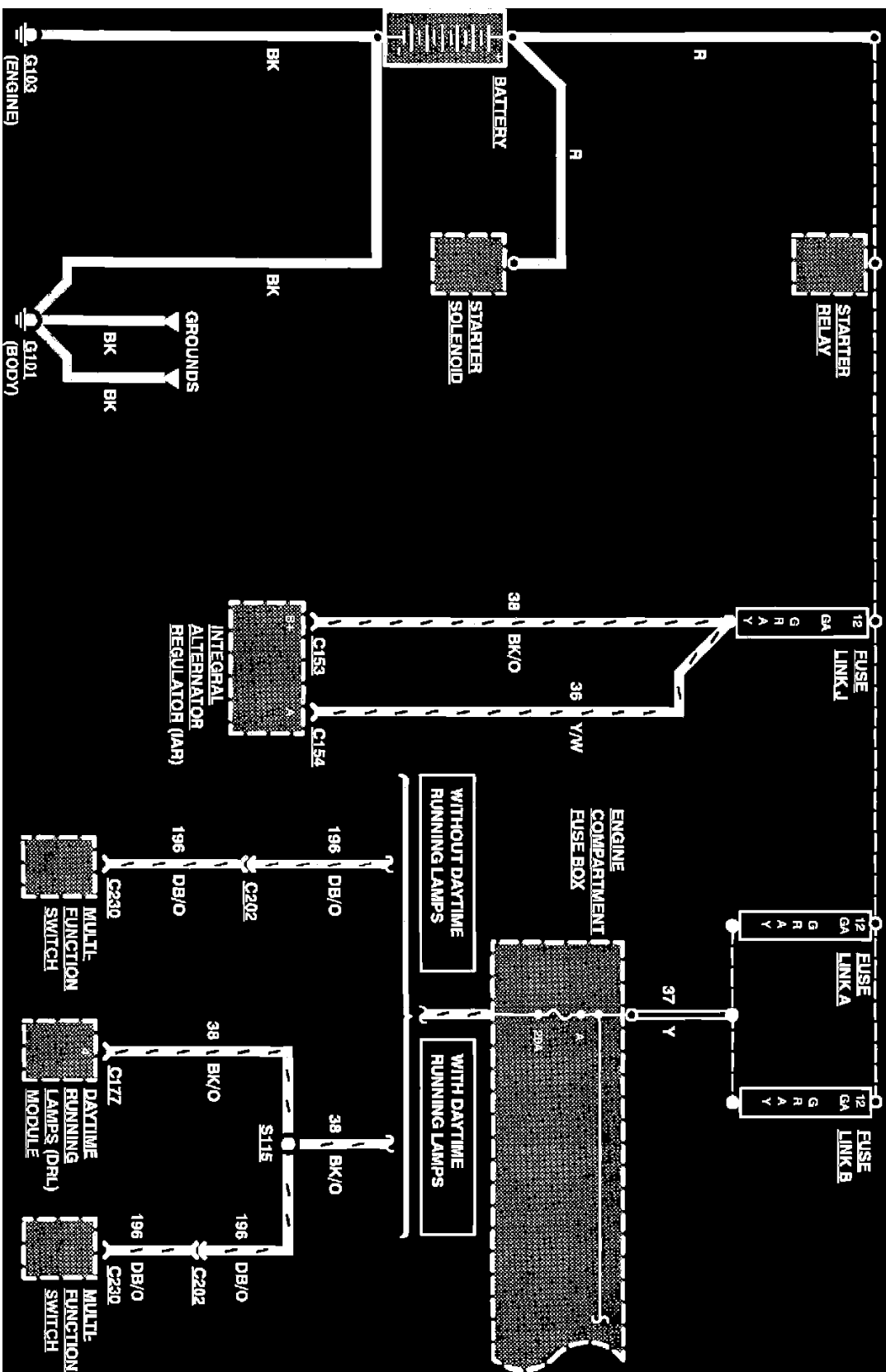


Instrument Panel Fuse Panel/Circuit Protector

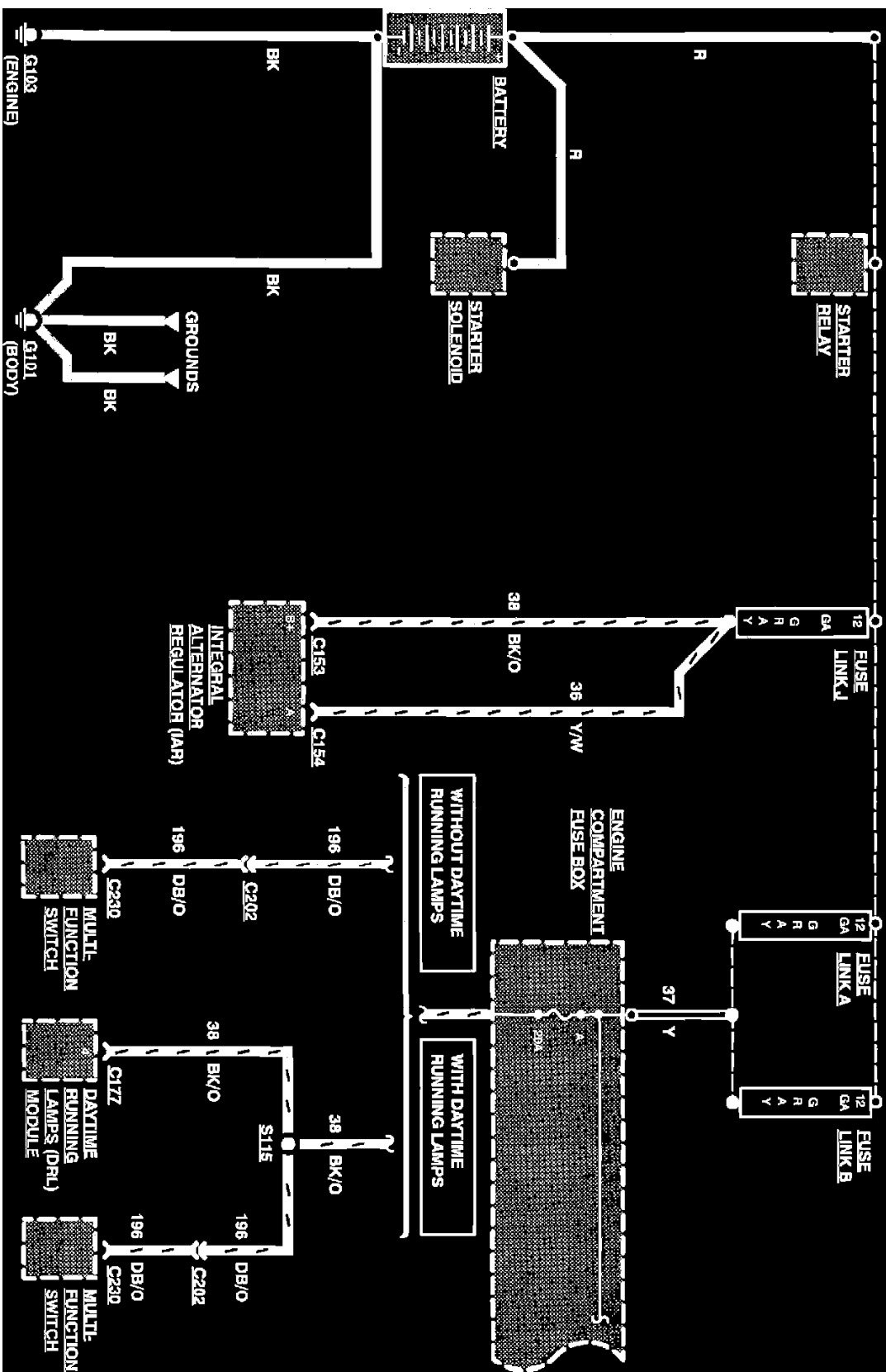
Fuse Value Amps	Color Code
4	Pink
5	Tan
10	Red
15	Light Blue
20	Yellow
25	Natural
30	Light Green



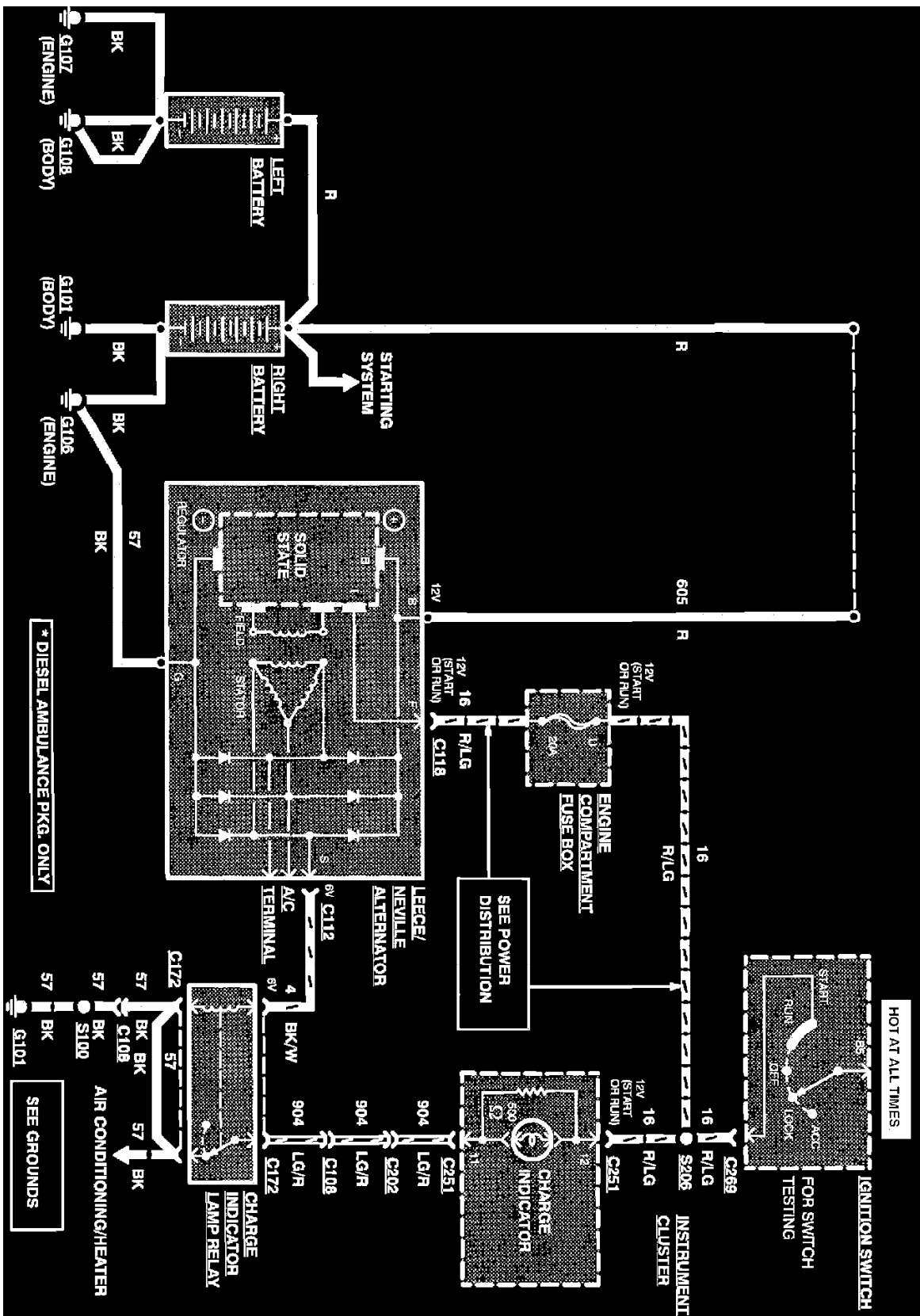
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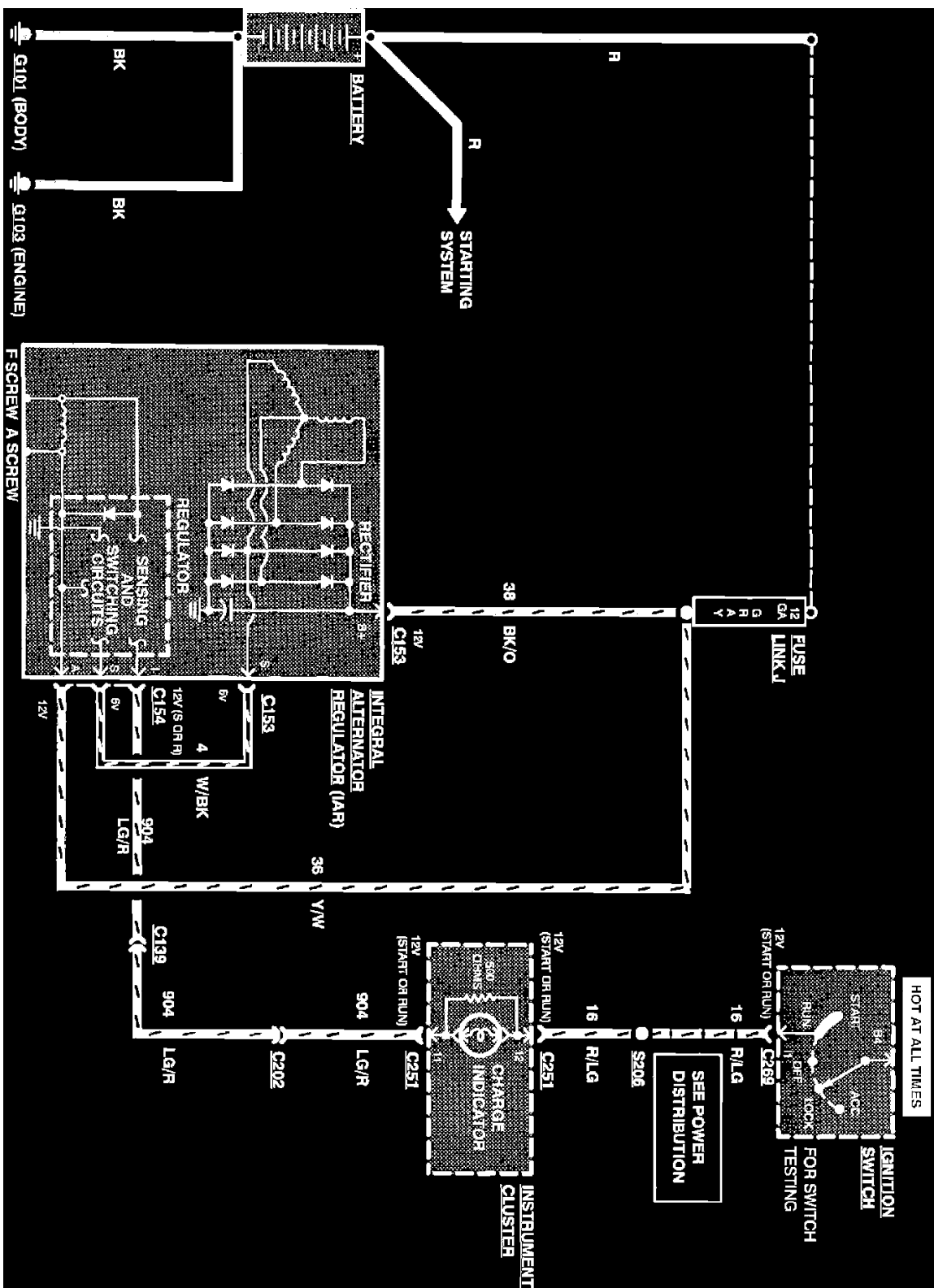
Power Distribution



Power Distribution



Charging System



Charging System

Alternator

For Alternator wiring diagrams, please refer to: Starting and Charging/Charging System, See: Starting and Charging/Charging System/Diagrams

CIRCUIT NUMBER	CIRCUIT DESCRIPTION	GAGE	PRIMARY COLOR	SECONDARY COLOR	STRIPES	HAZY	DOTS
1	HORN RELAY NEGATIVE	20	DARK BLUE				
460	BATTERY TO HORN SW	16	YELLOW	LIGHT BLUE			X
511	STOPLAMP SW TO TURN SIGNAL SW	18	LIGHT GREEN				
511A	BRAKE SW (LOAD SIDE) TO AMPLIFIER DISABLE	18	LIGHT GREEN				
57A	SENSOR GROUND	20	BLACK				
150	SENSOR SIGNAL TO AMPLIFIER	20	DARK GREEN	WHITE	X		
57	AMPLIFIER GROUND	18	BLACK				
151	AMPLIFIER CONTROL LINE	20	LIGHT BLUE	BLACK		X	
296	IGNITION SW (ACCY) TO AMPLIFIER FEED	18	WHITE	PURPLE	X		
149	SERVO FEEDBACK POT - TO AMPLIFIER	20	BROWN	LIGHT GREEN		X	
148	SERVO FEEDBACK POT POSITION TO AMPLIFIER	20	YELLOW	RED		X	
147	SERVO FEEDBACK POT — TO AMPLIFIER	20	PURPLE	LIGHT GREEN		X	
146	SERVO VENT SOLENOID CONTROL	20	WHITE	PINK		X	
145	SERVO VACUUM SOLENOID CONTROL	20	GRAY	BLACK		X	
144	SERVO SOLENOID FEED	20	ORANGE	YELLOW		X	
6	HORN RELAY TO HORN	16	YELLOW	LT GREEN		X	

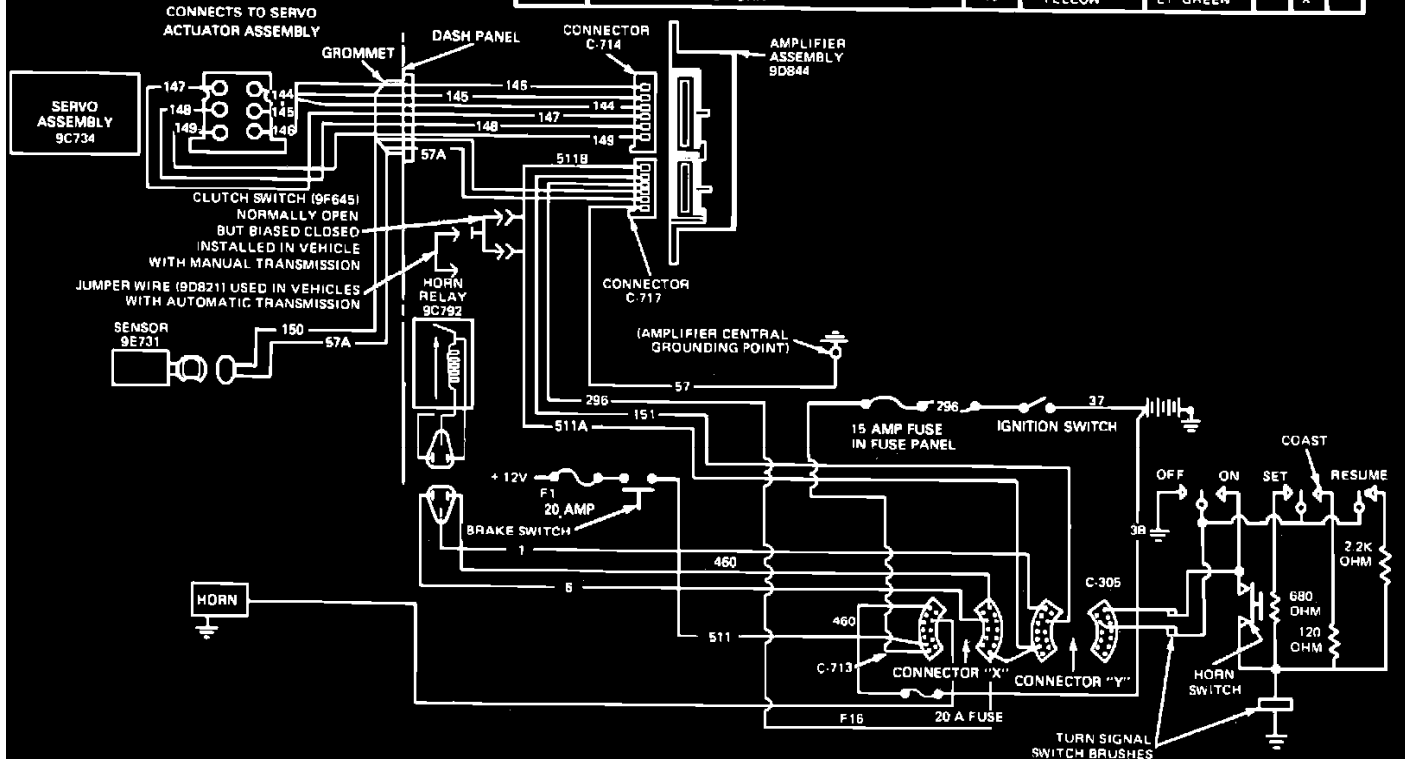
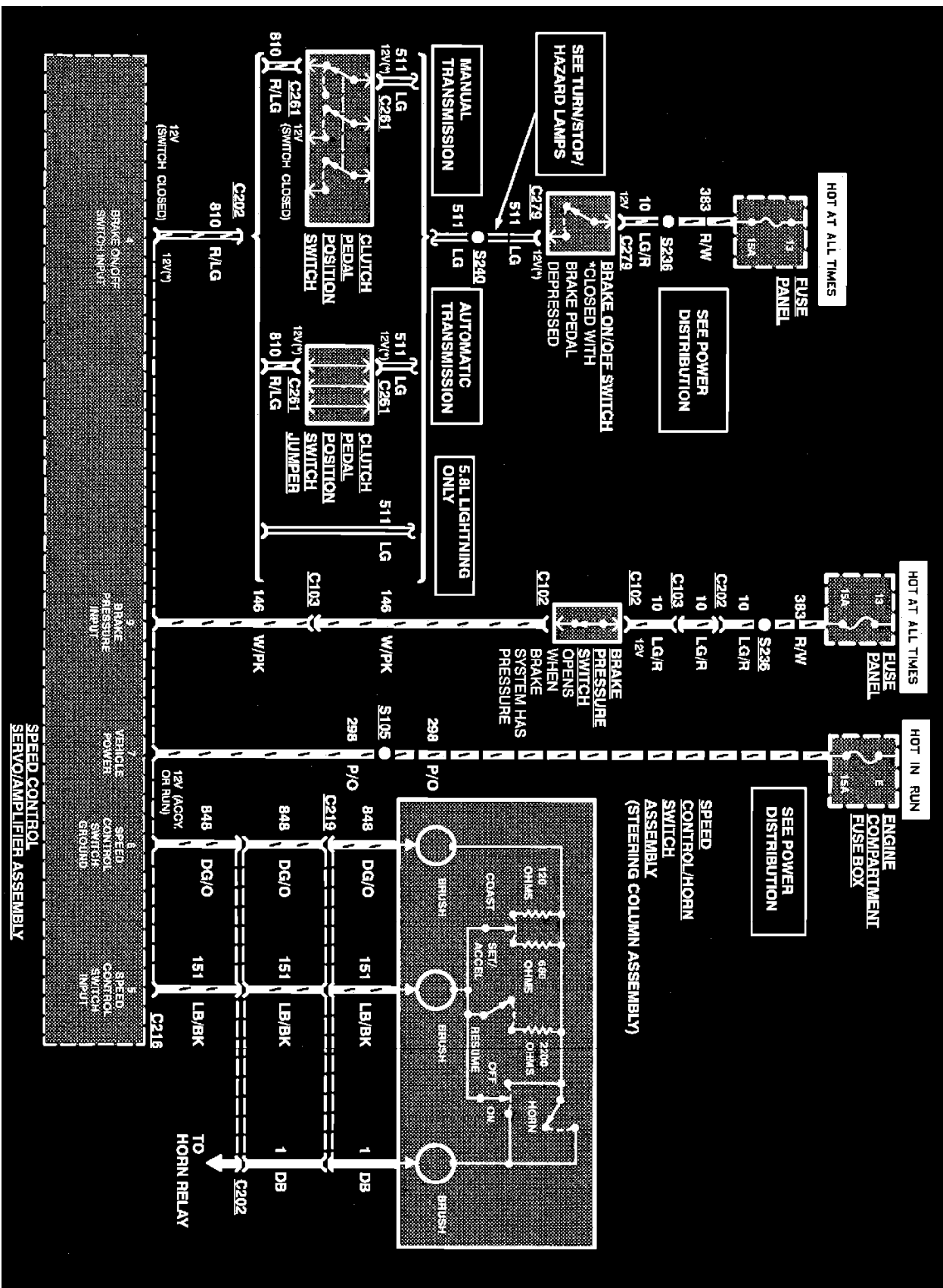
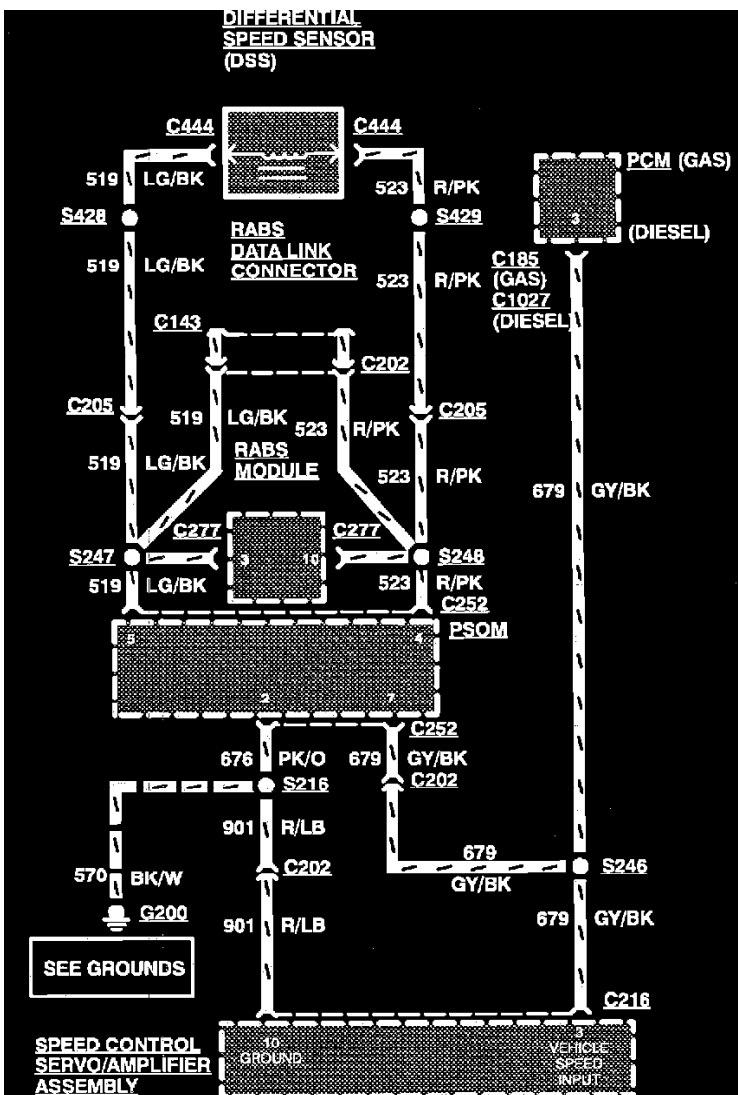


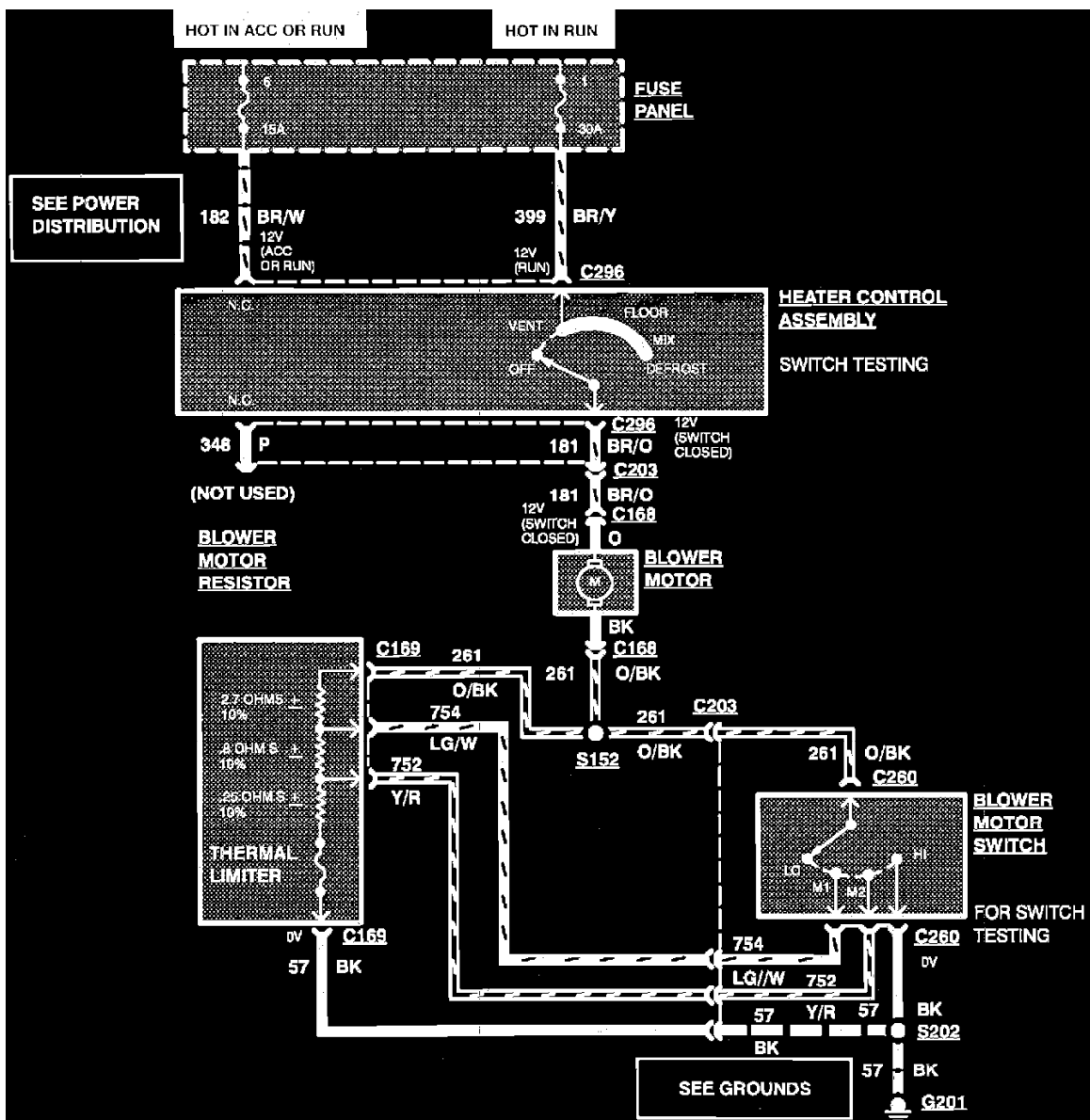
Fig. 4 Speed Control Wiring Diagram



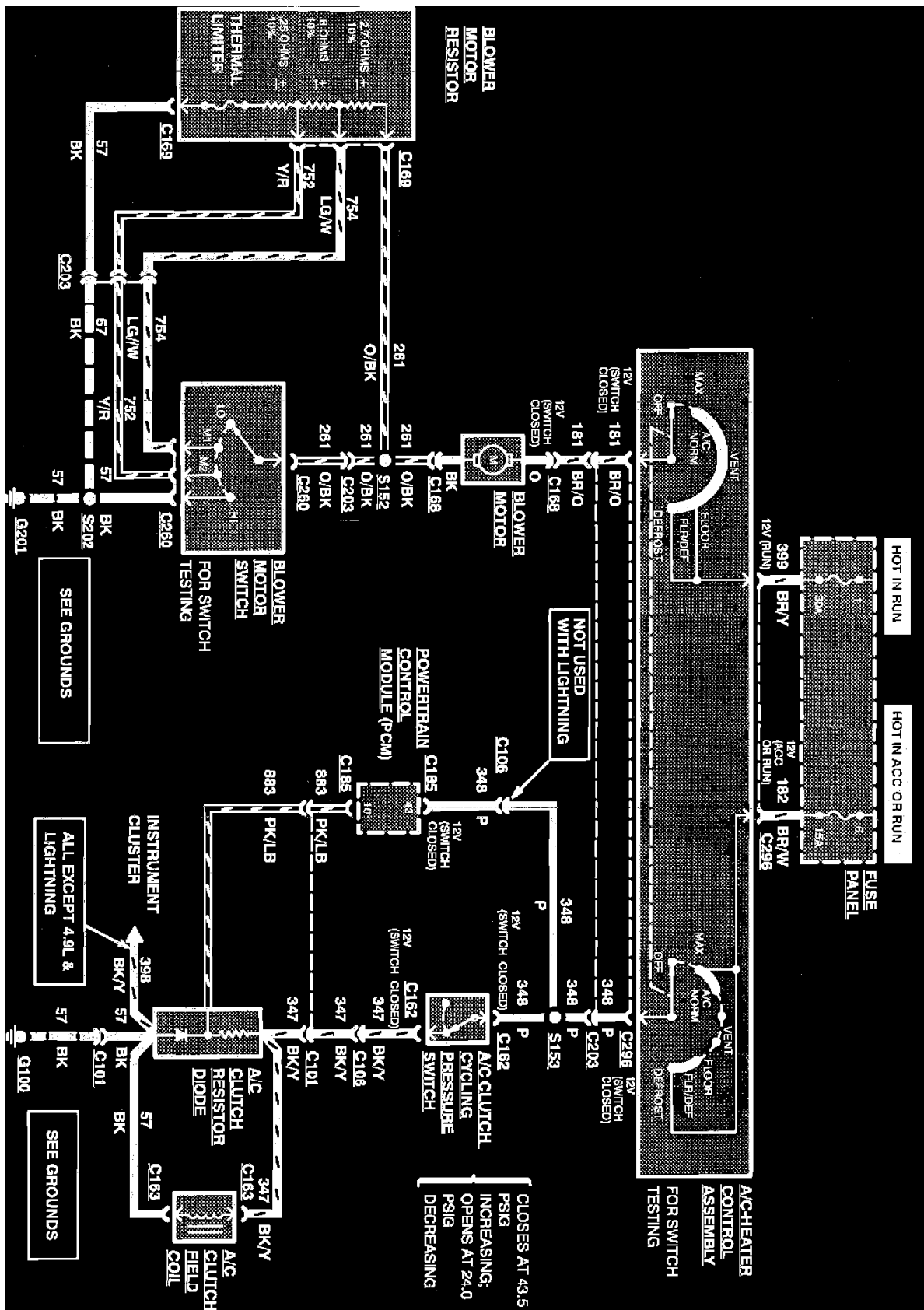
Speed Control



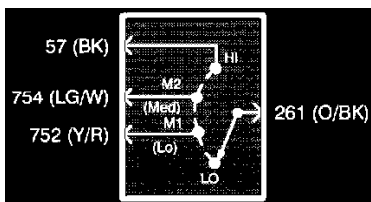
Speed Control



Heater



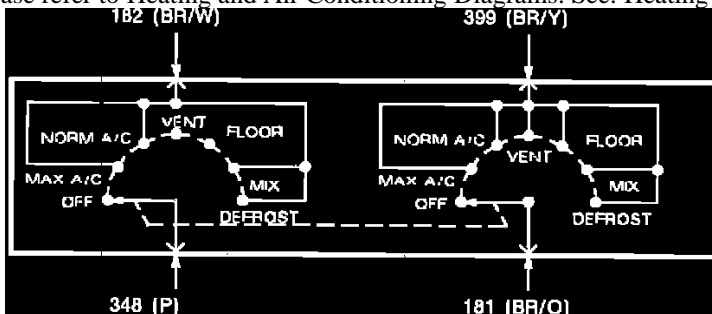
Air Conditioner/Heater



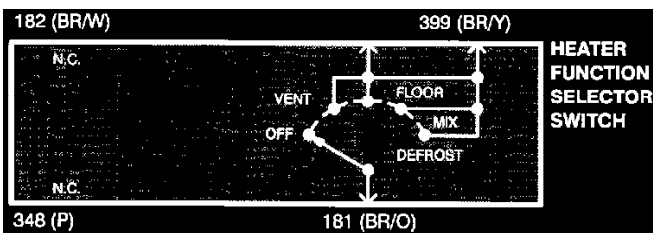
Blower Motor Switch - Schematic

Compressor HVAC

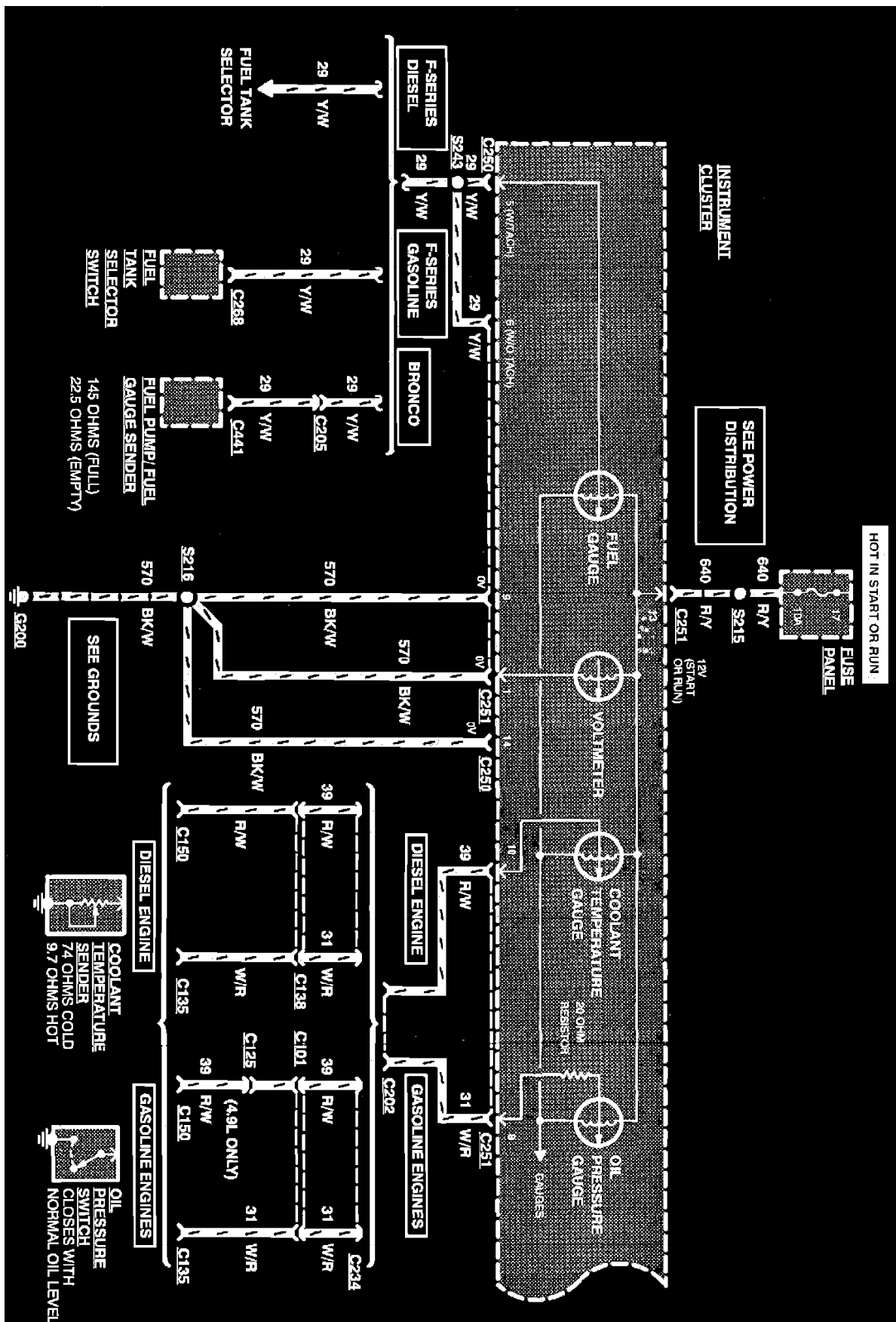
For diagrams for the A/C Compressor, please refer to Heating and Air Conditioning Diagrams. See: Heating and Air Conditioning/Diagrams



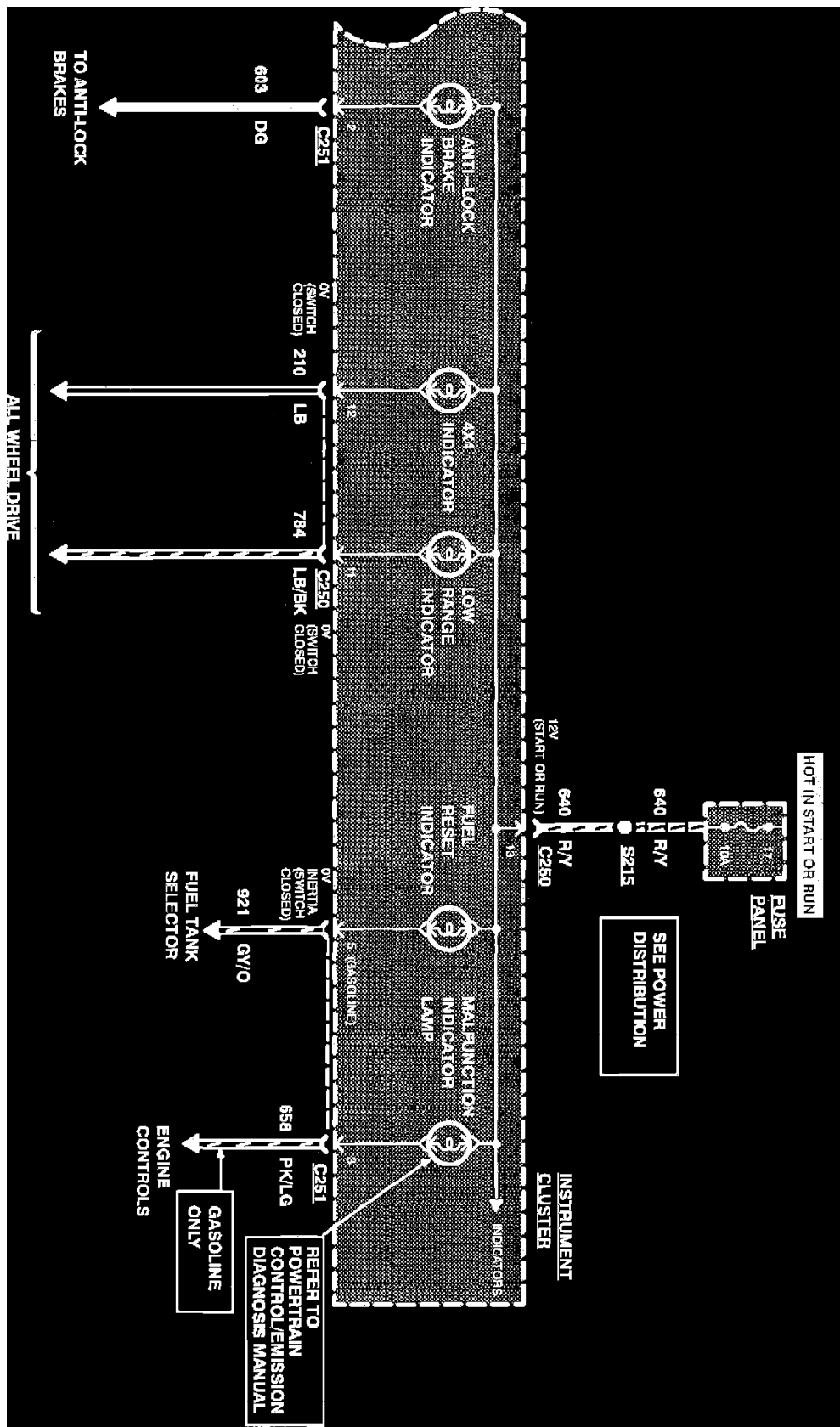
Schematic



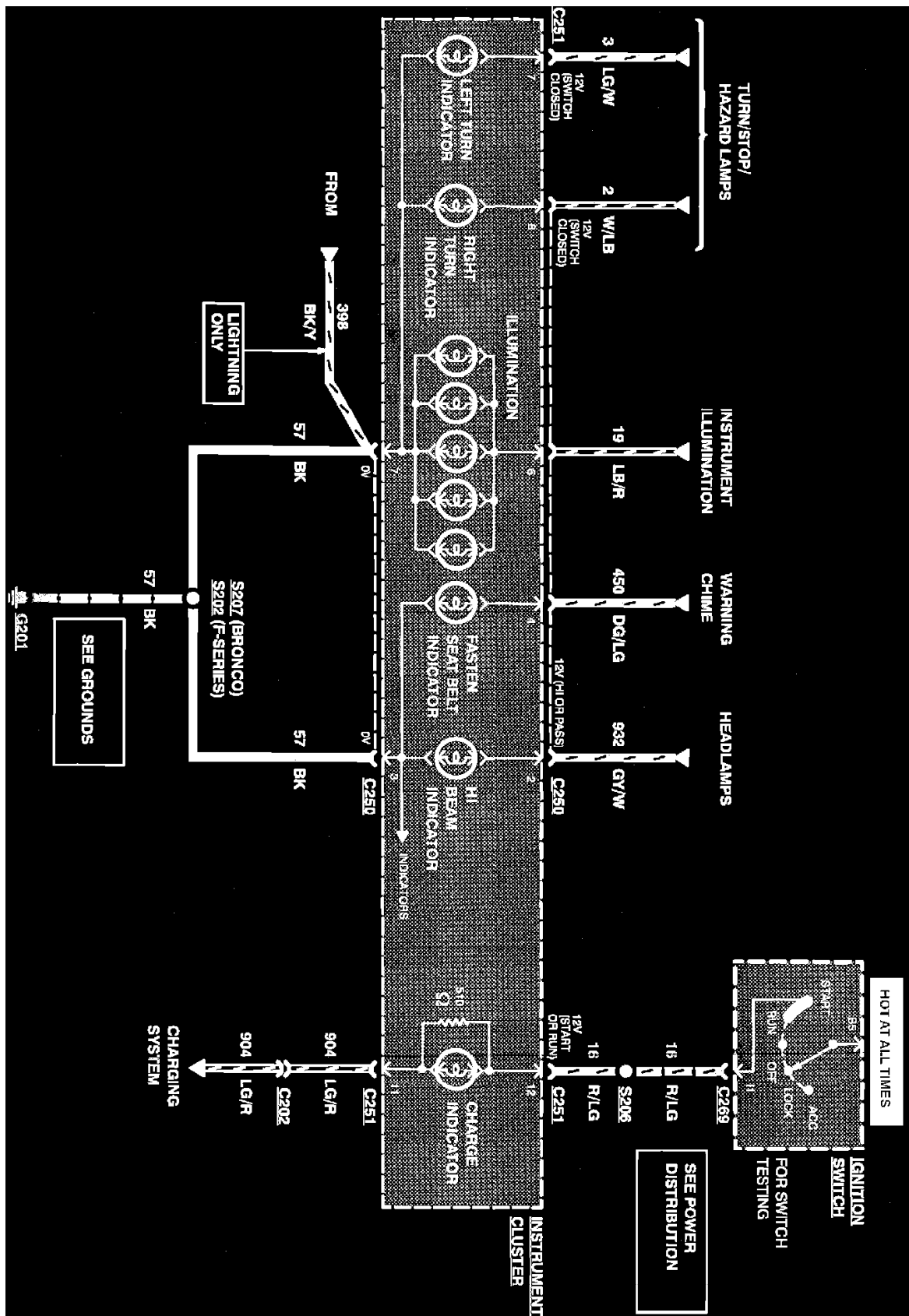
Heater Function Selector Switch - Schematic



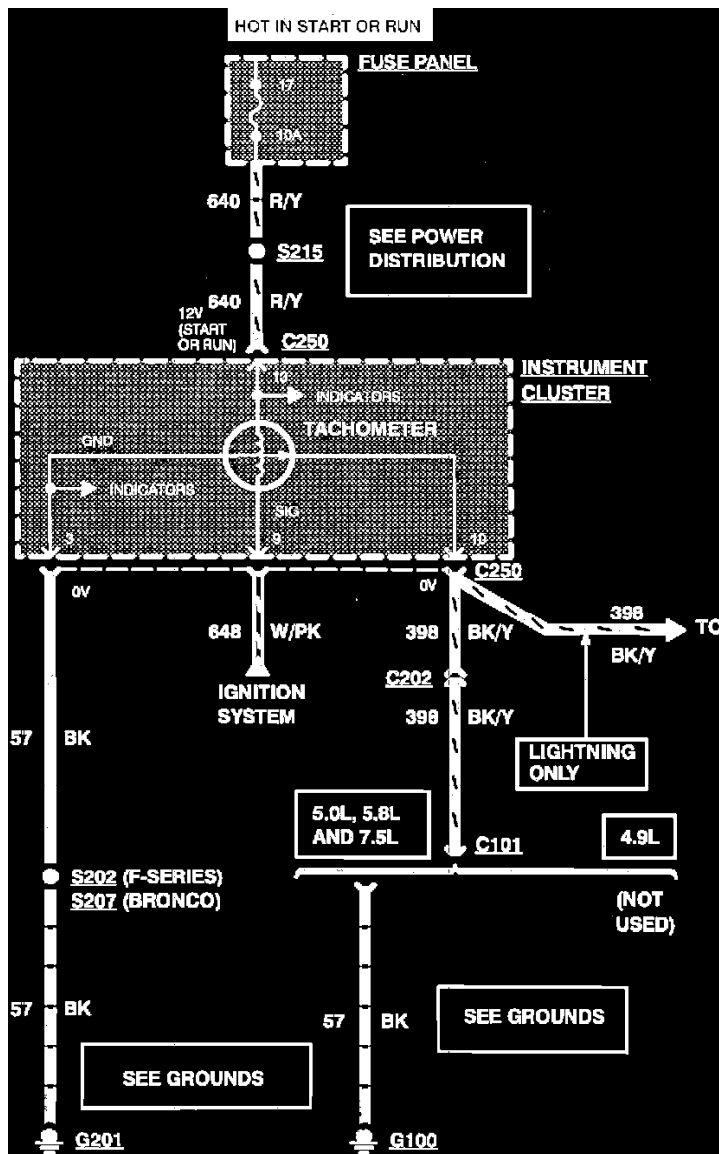
Instrument Cluster



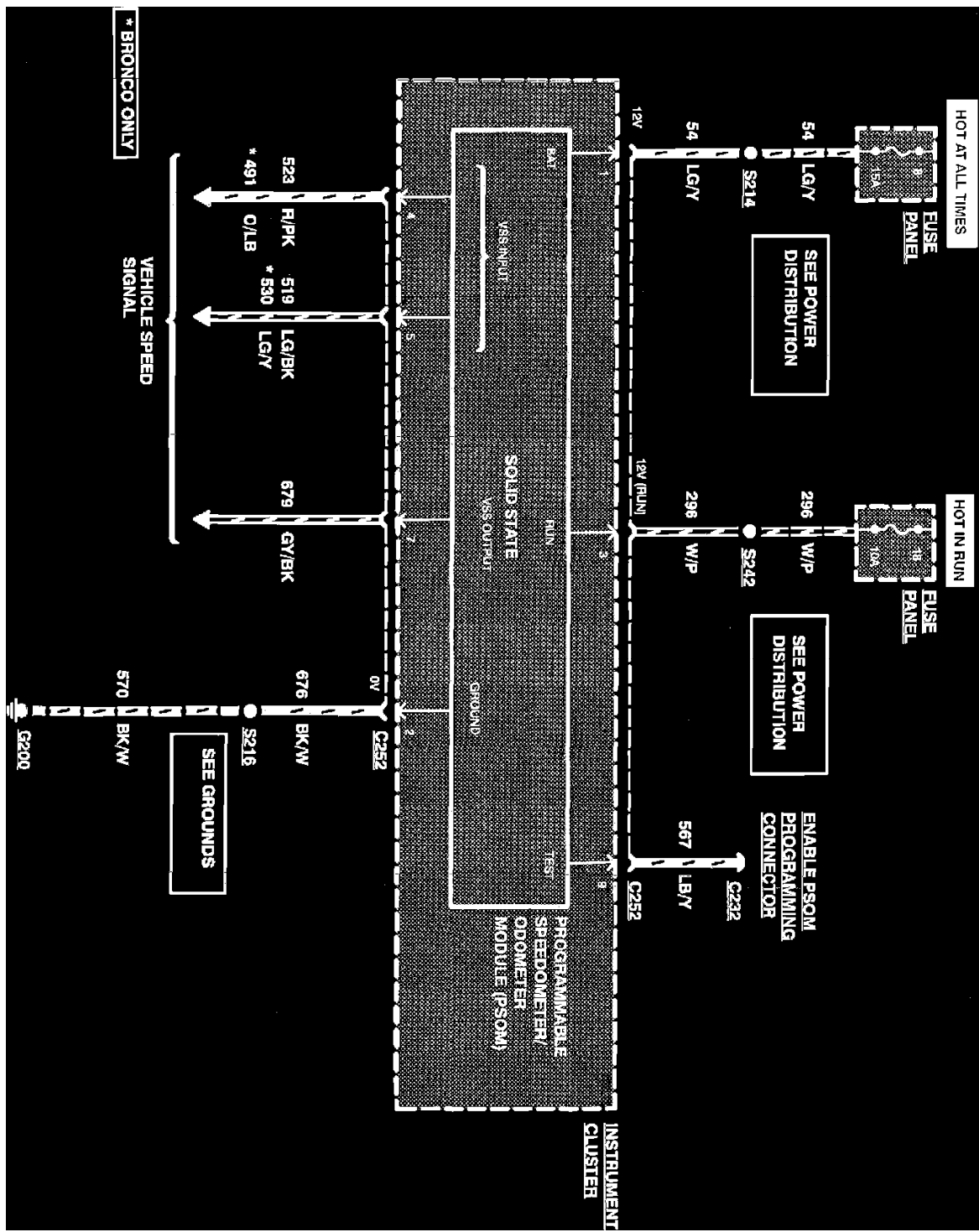
Instrument Cluster



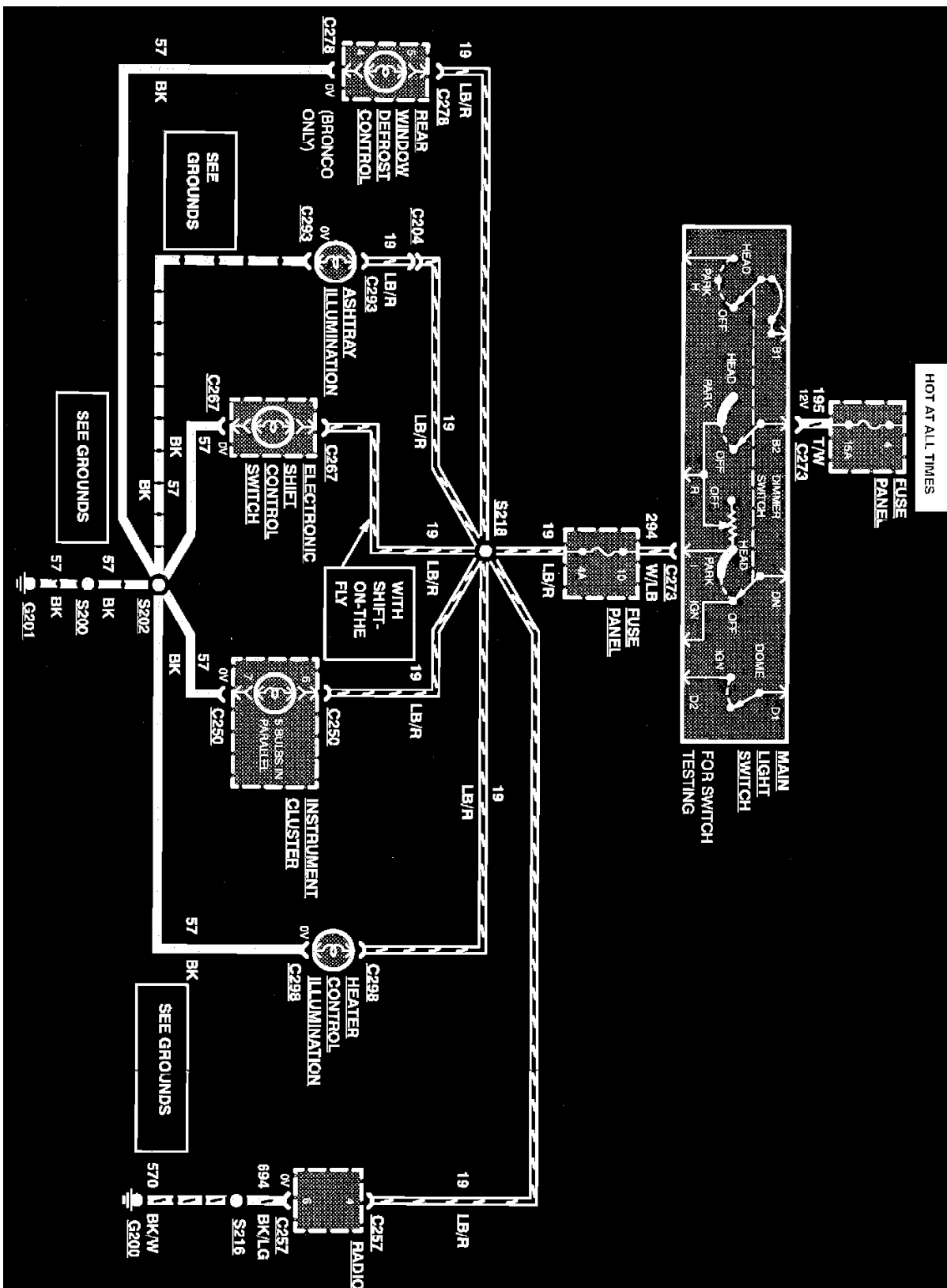
Instrument Cluster



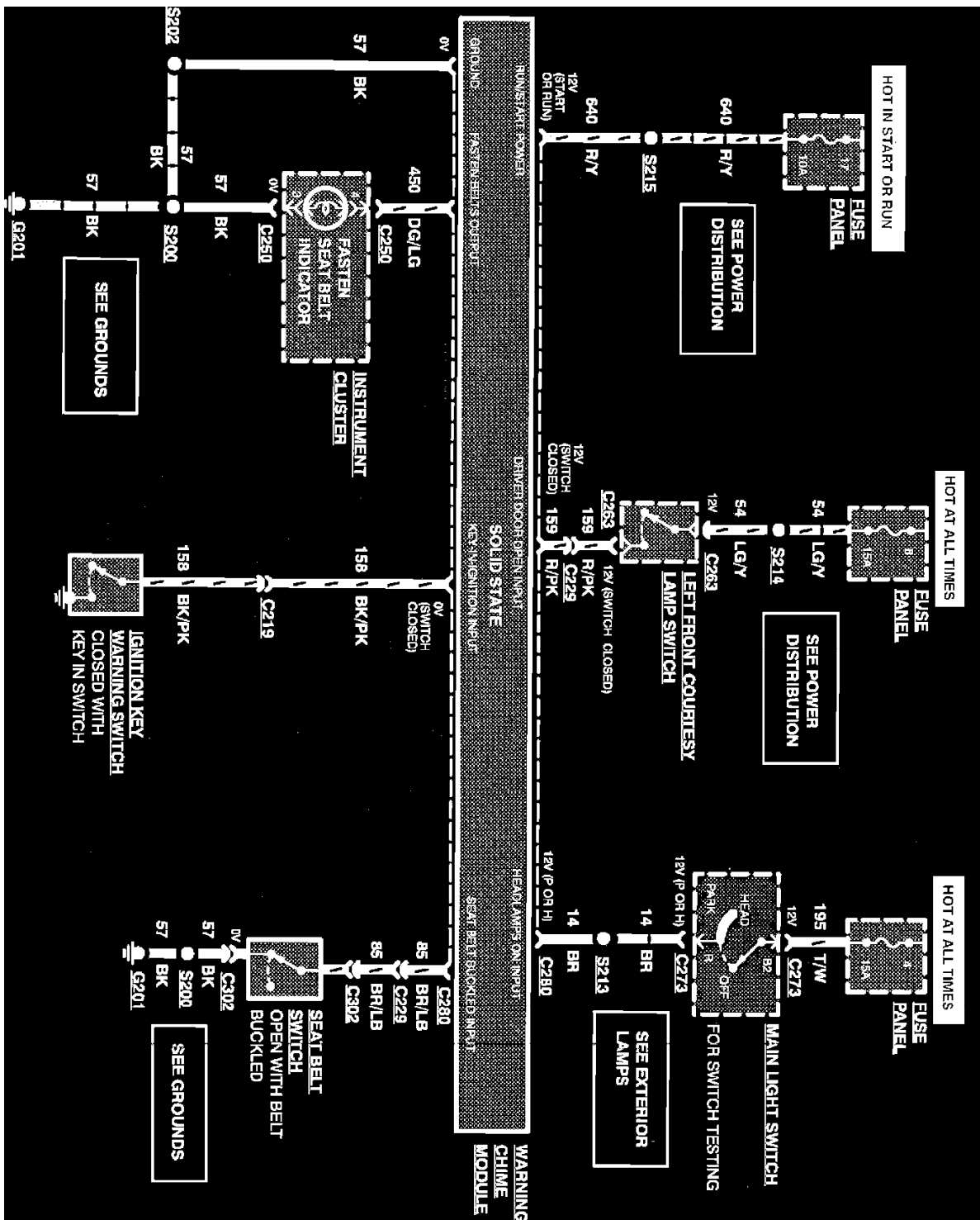
Instrument Cluster



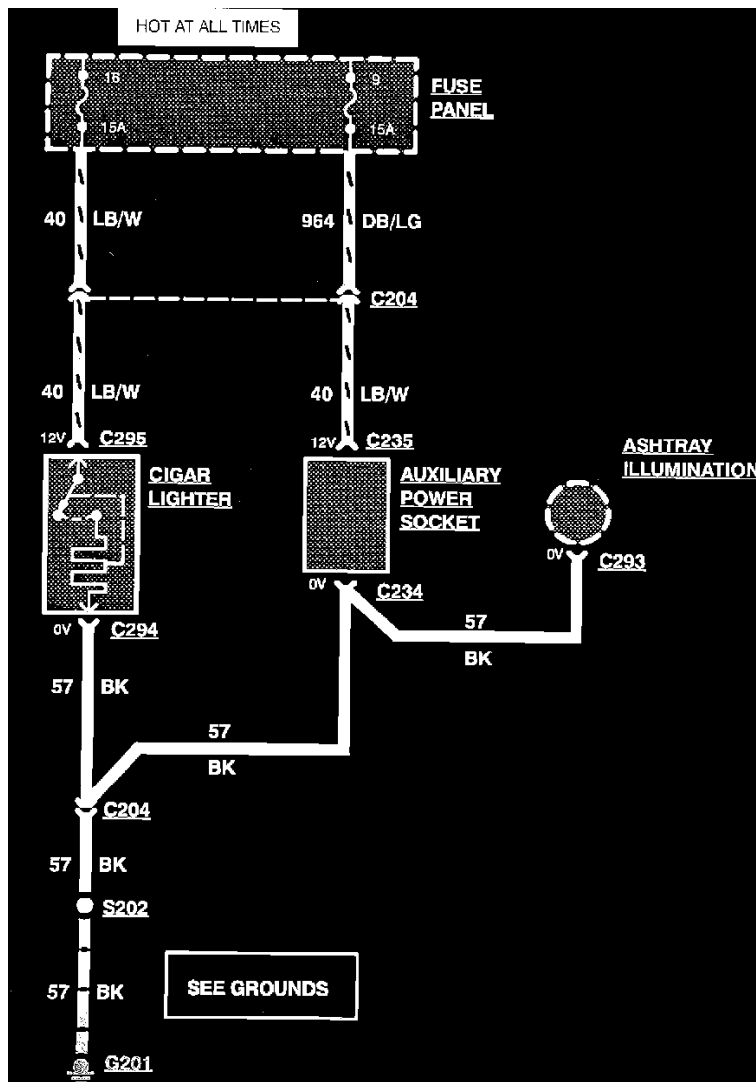
Instrument Cluster



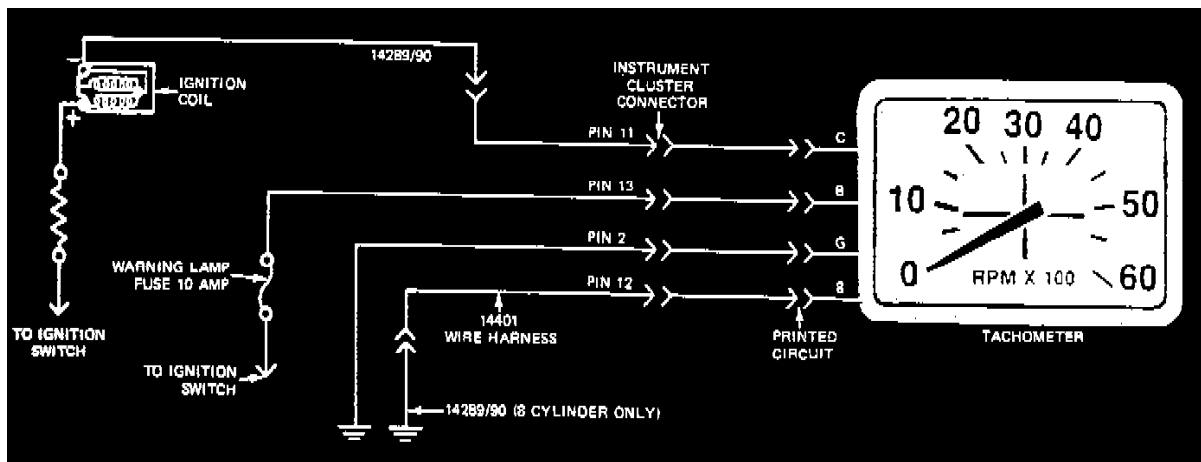
Instrument Illumination

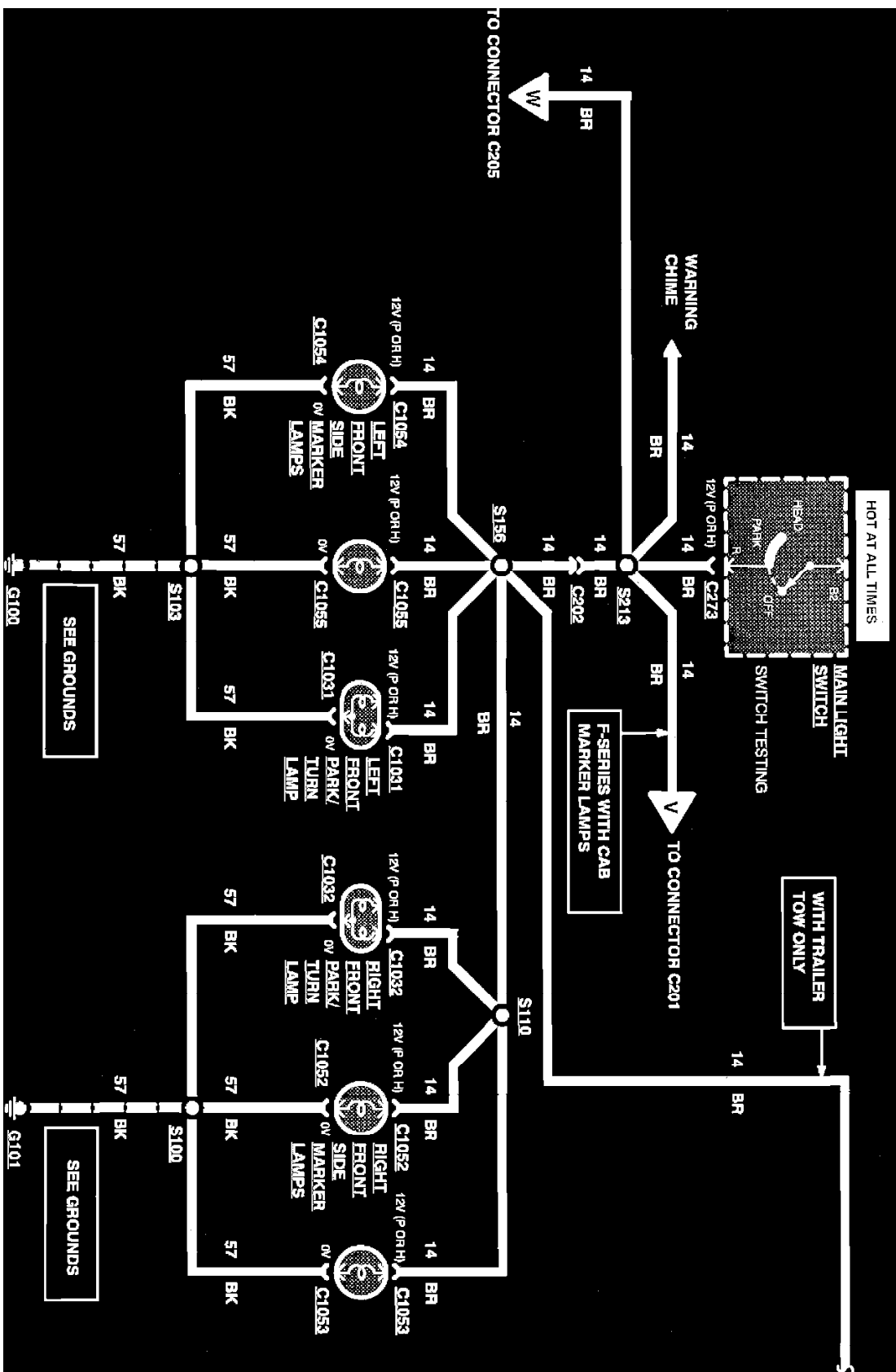


Warning Chime

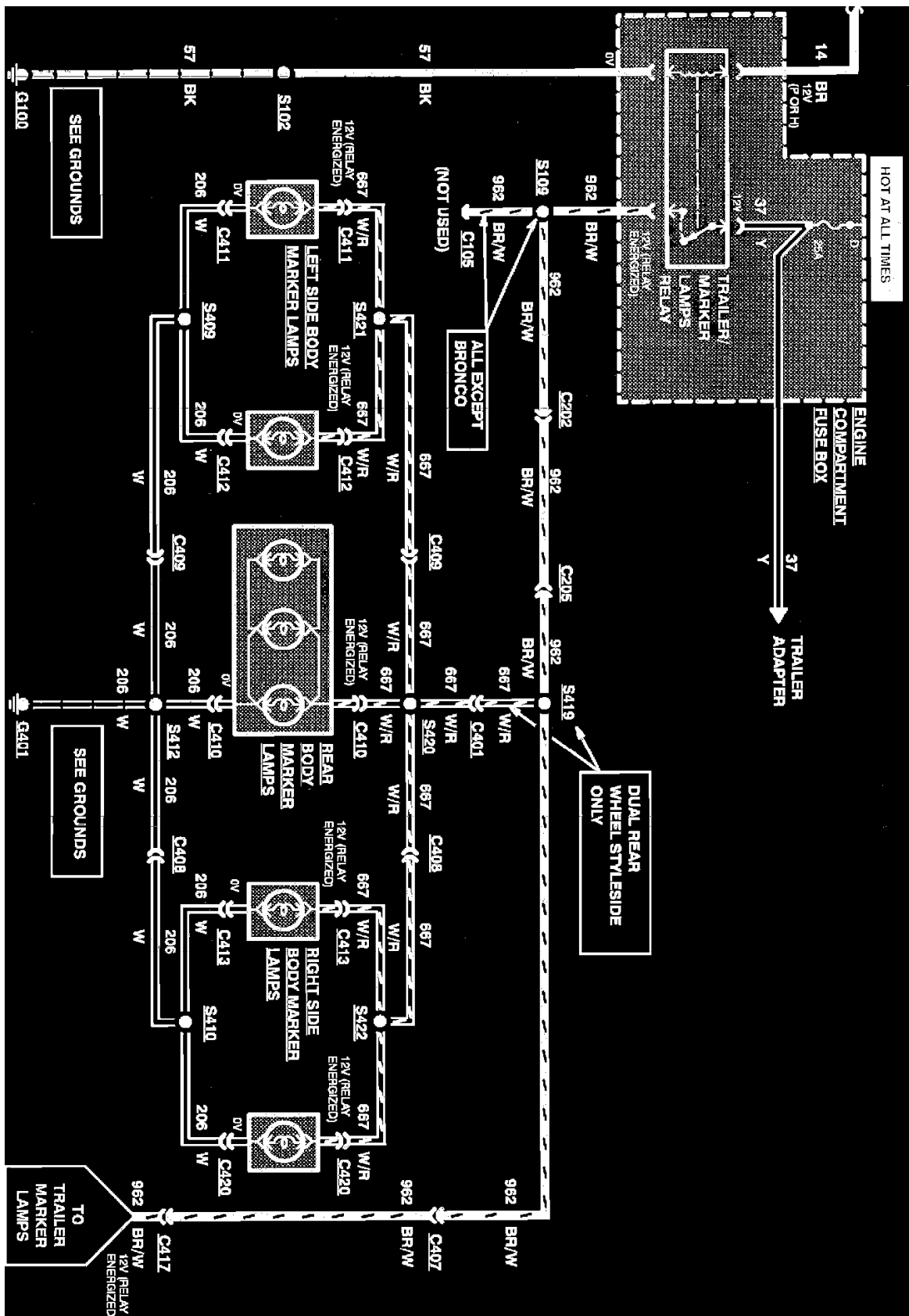


Horn/Cigar Lighter

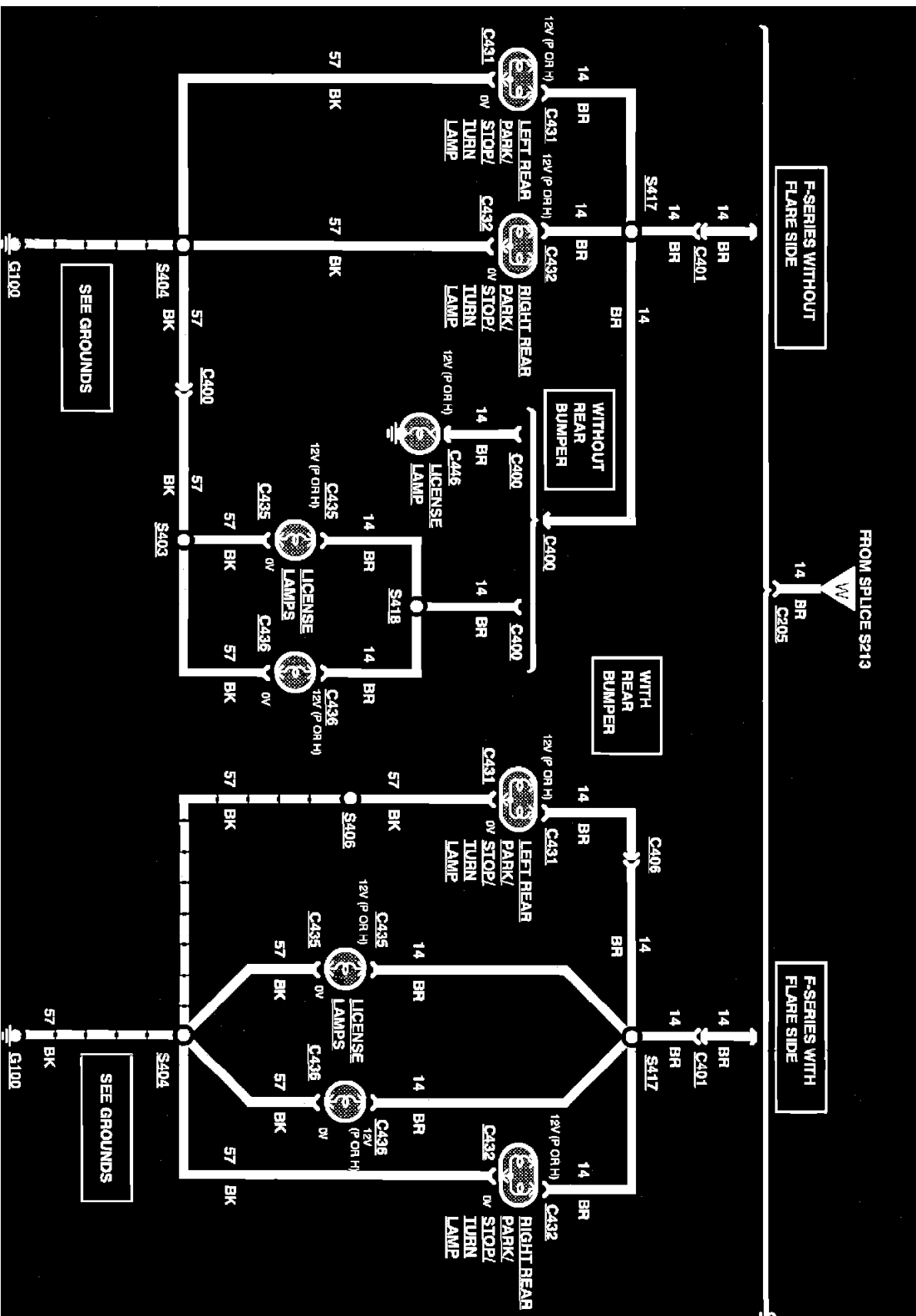




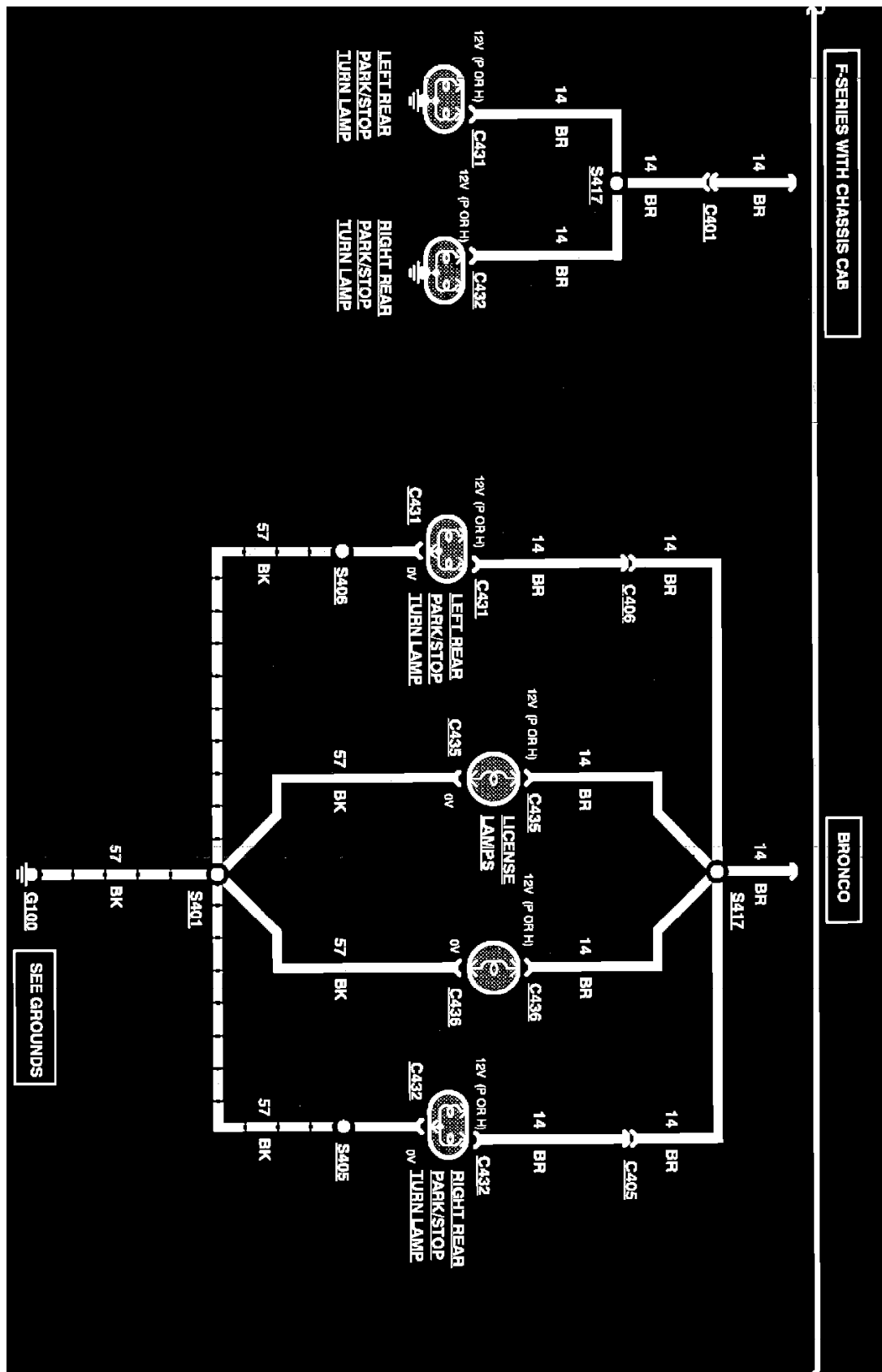
Exterior Lamps



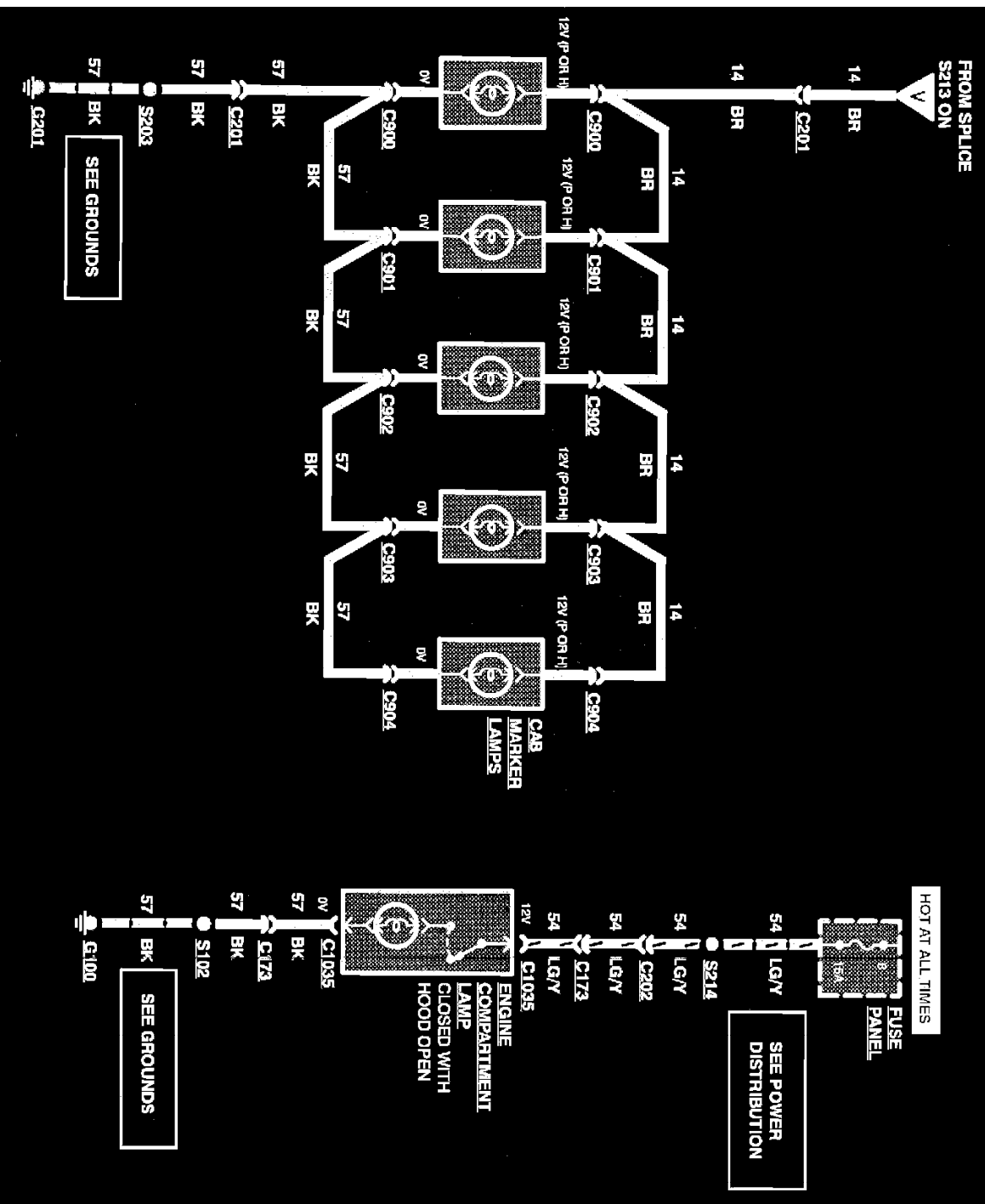
Exterior Lamps



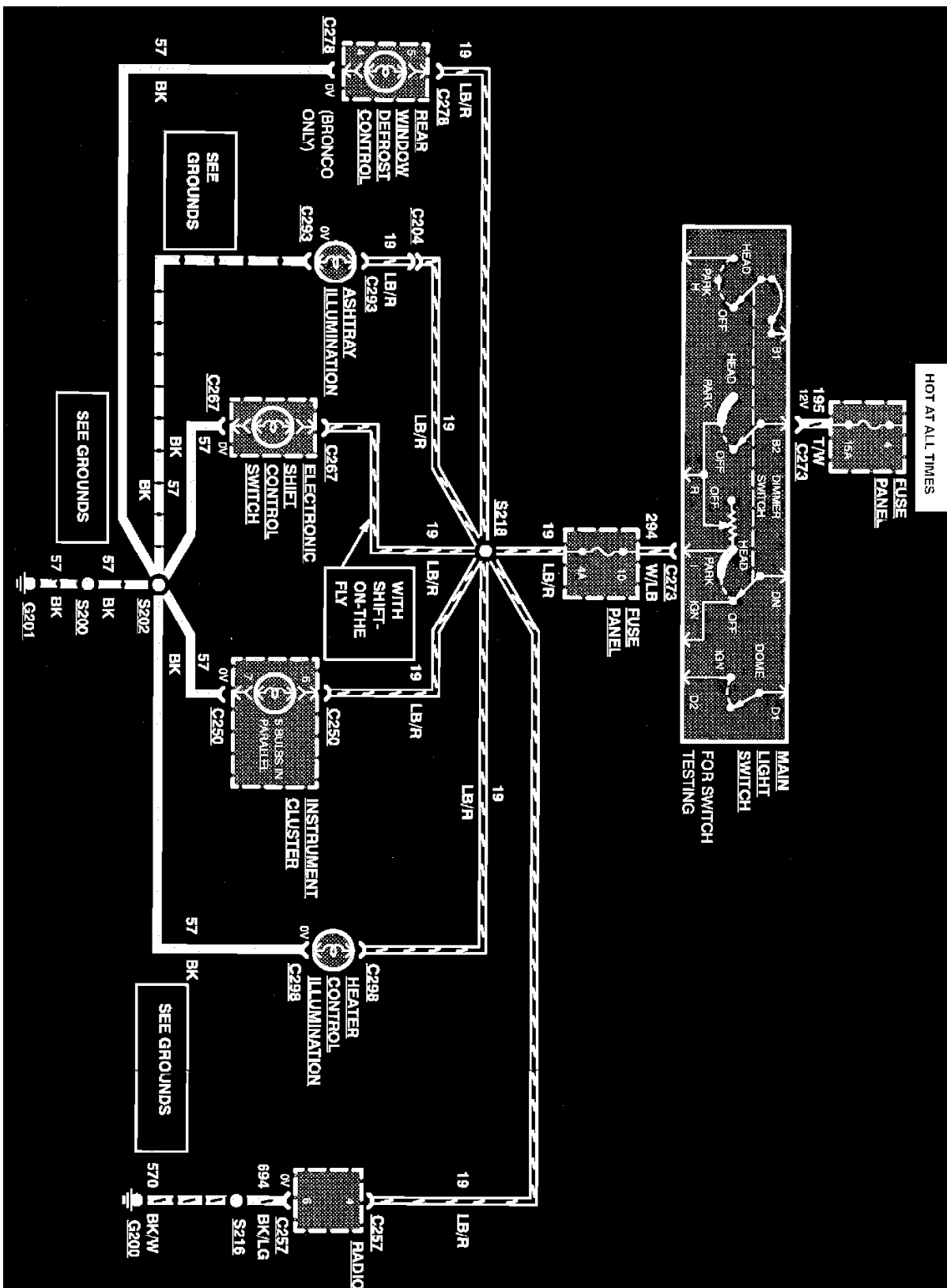
Exterior Lamps



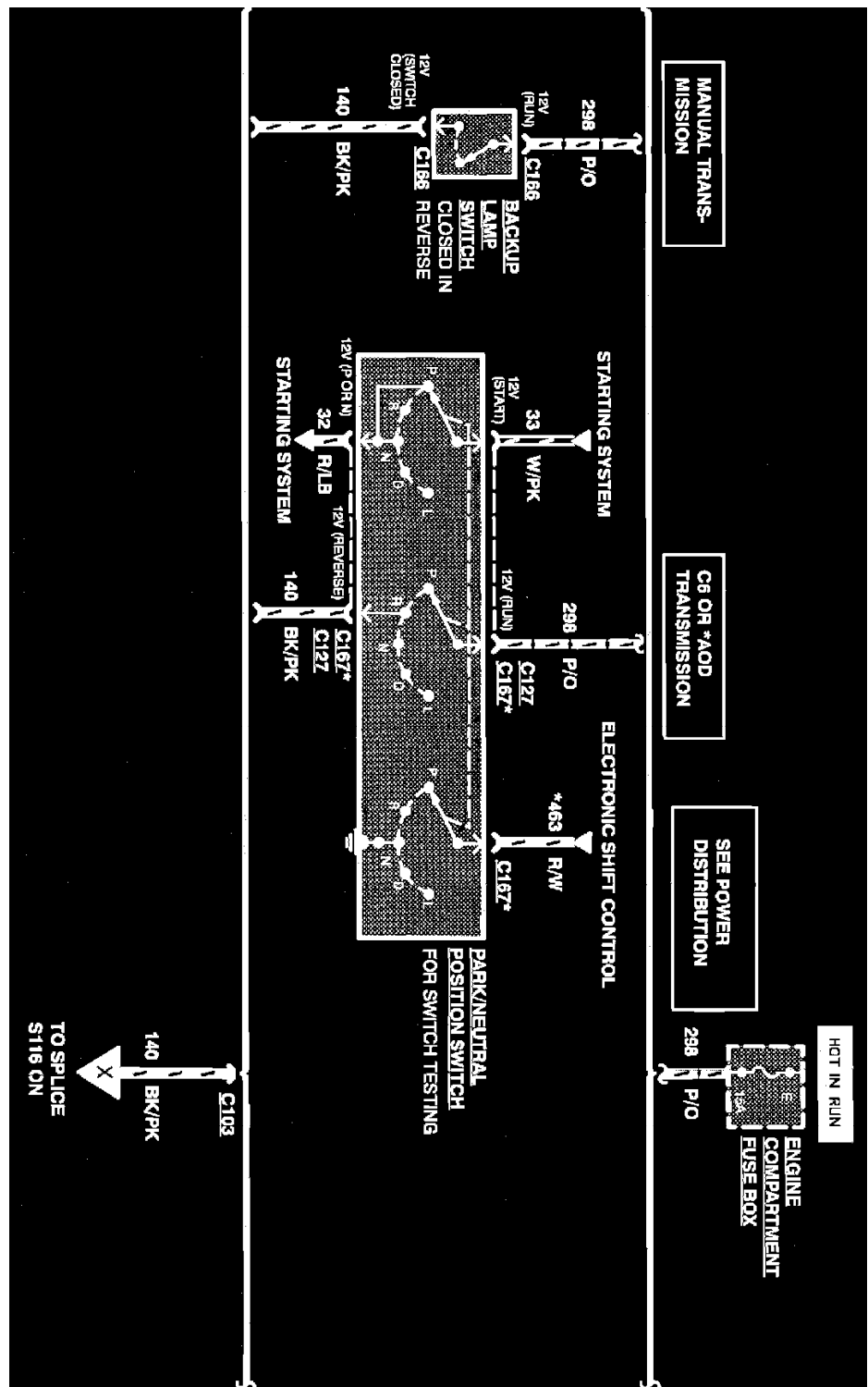
Exterior Lamps



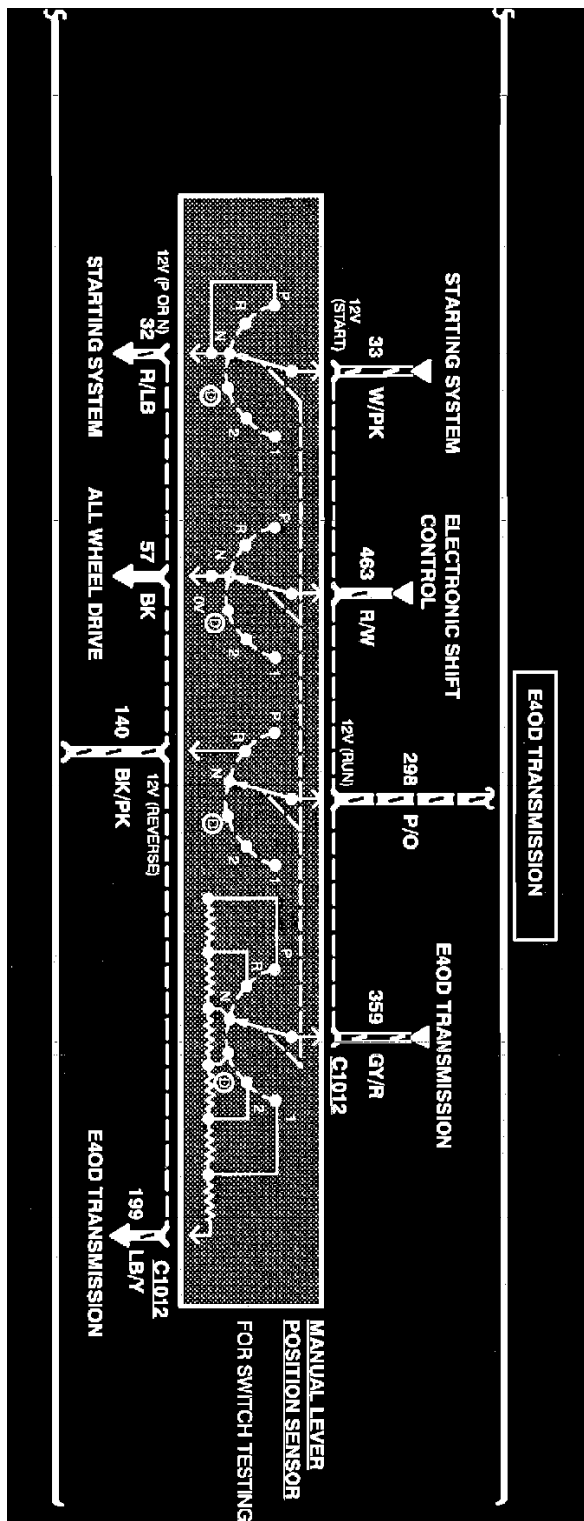
Exterior Lamps



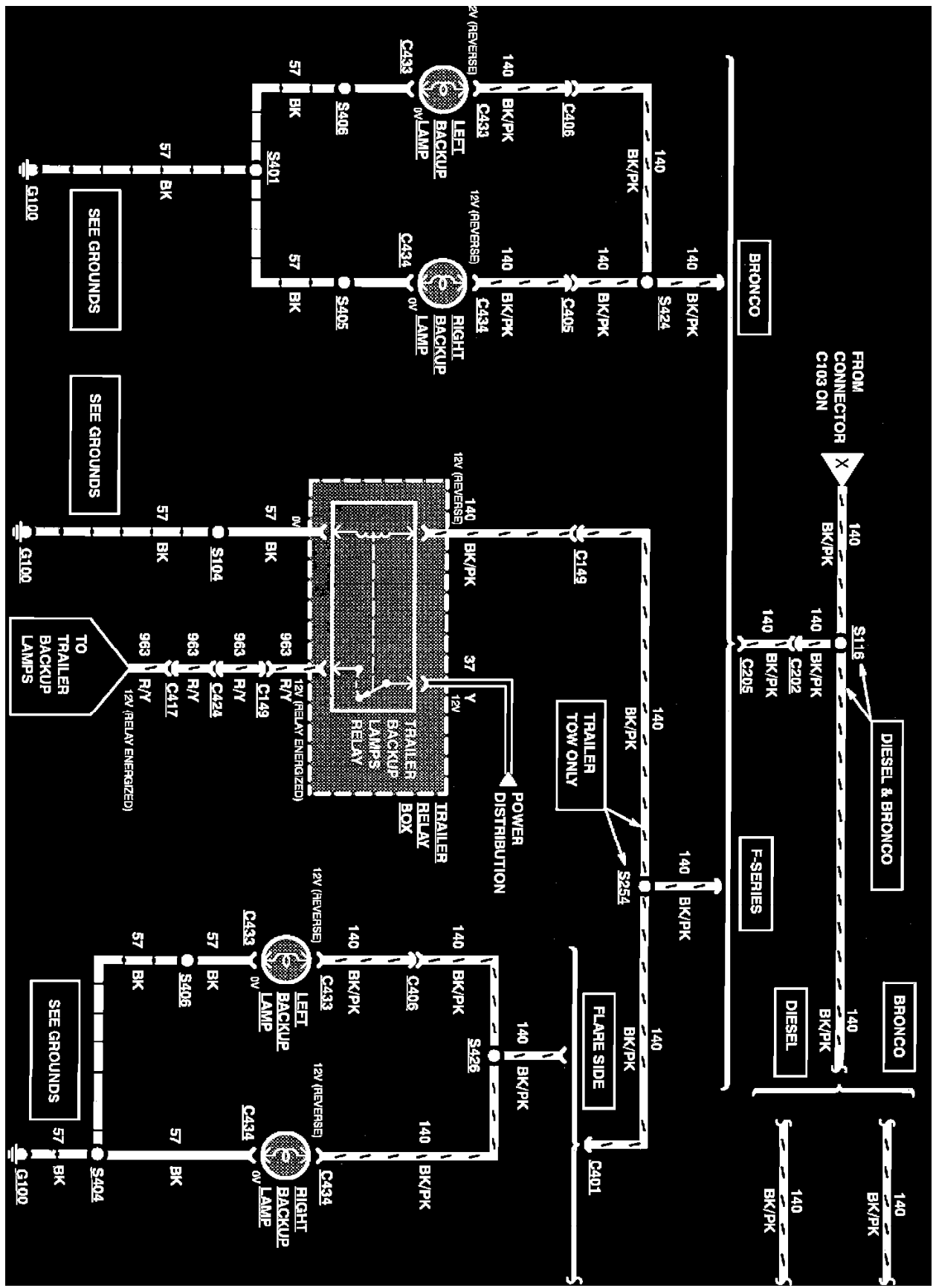
Instrument Illumination



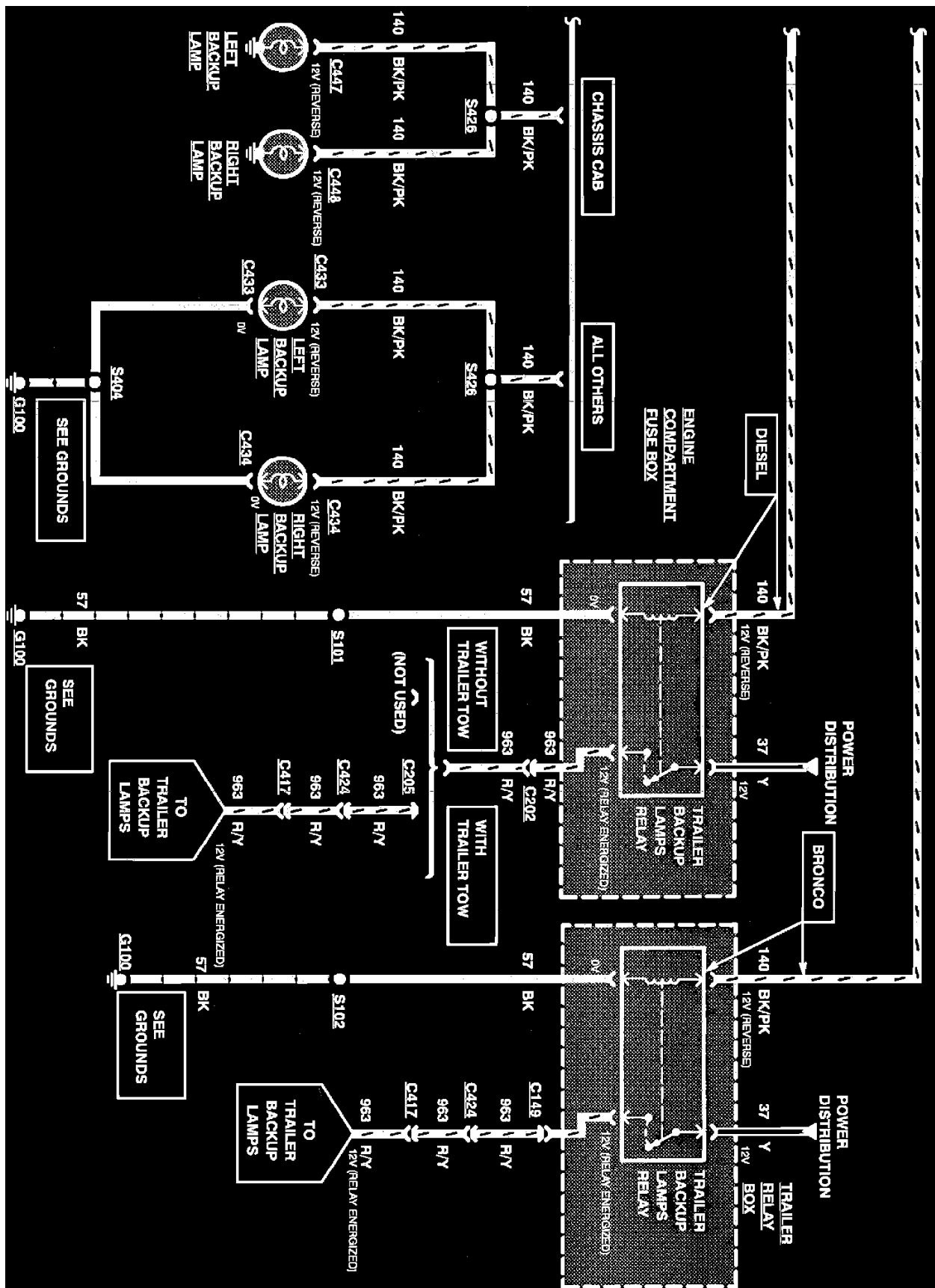
Backup Lamps



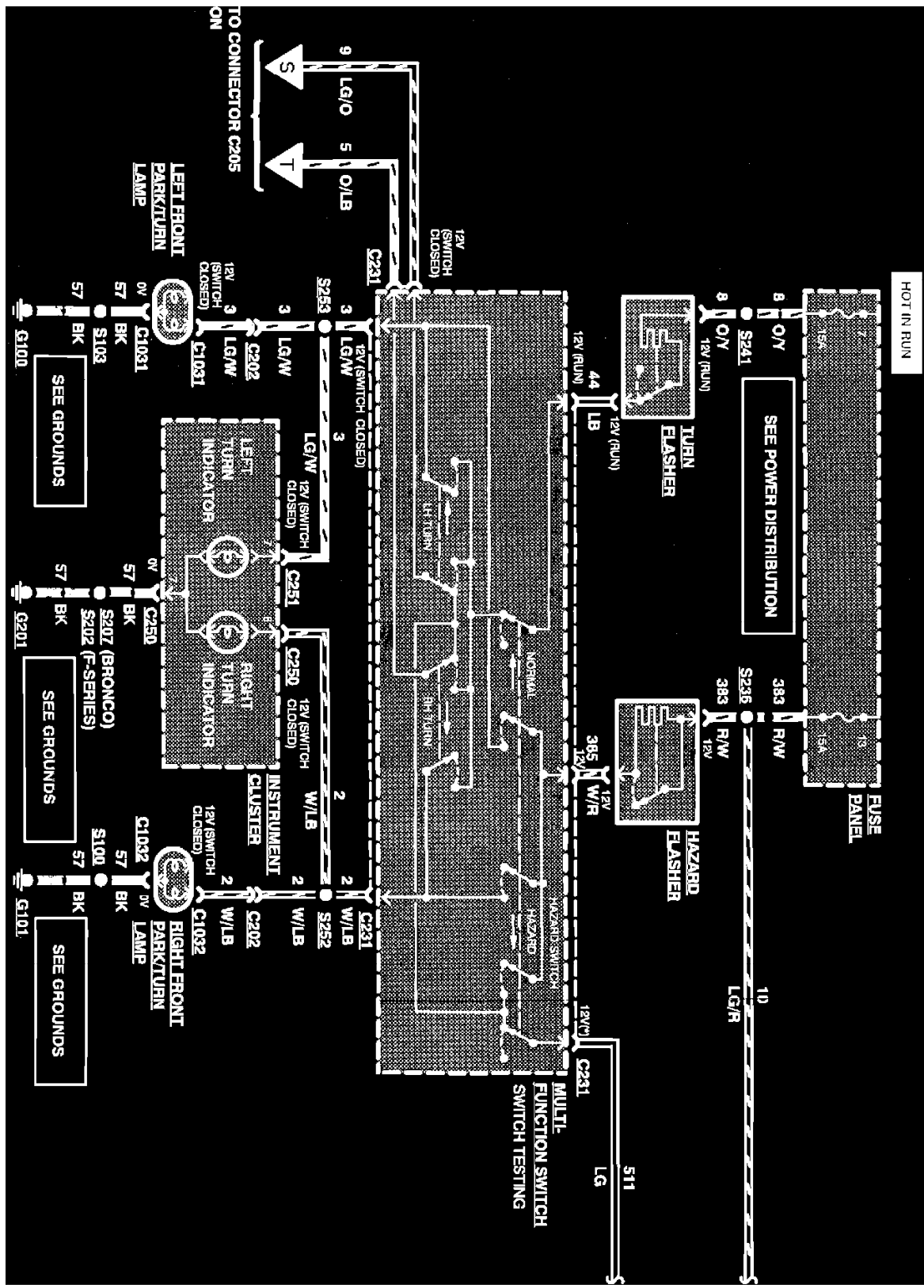
Backup Lamps



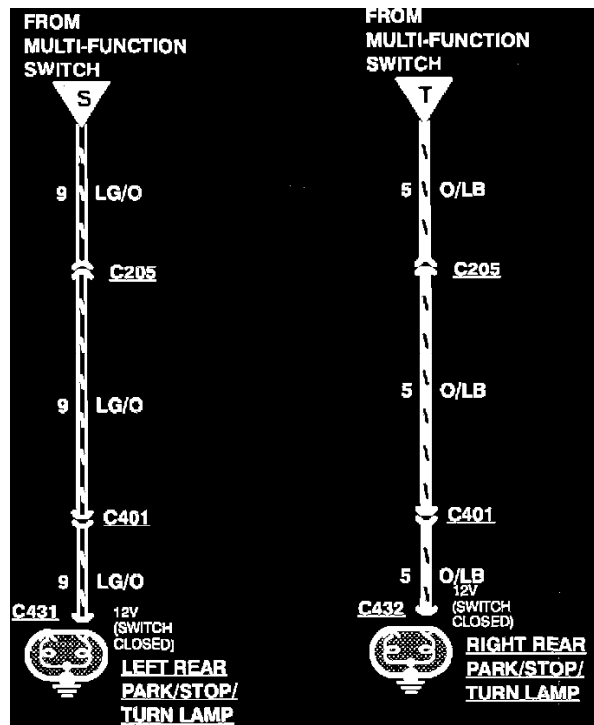
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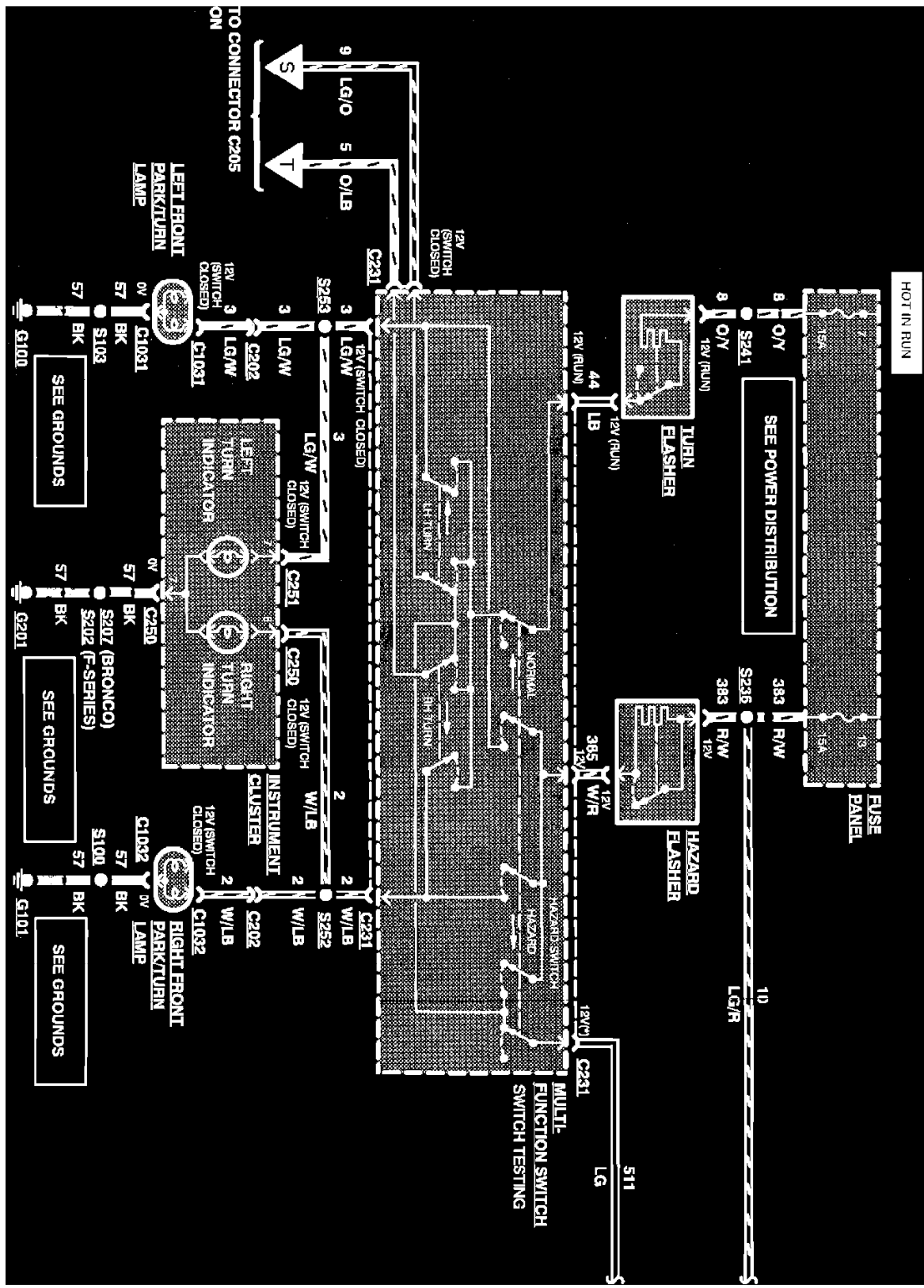
Backup Lamps



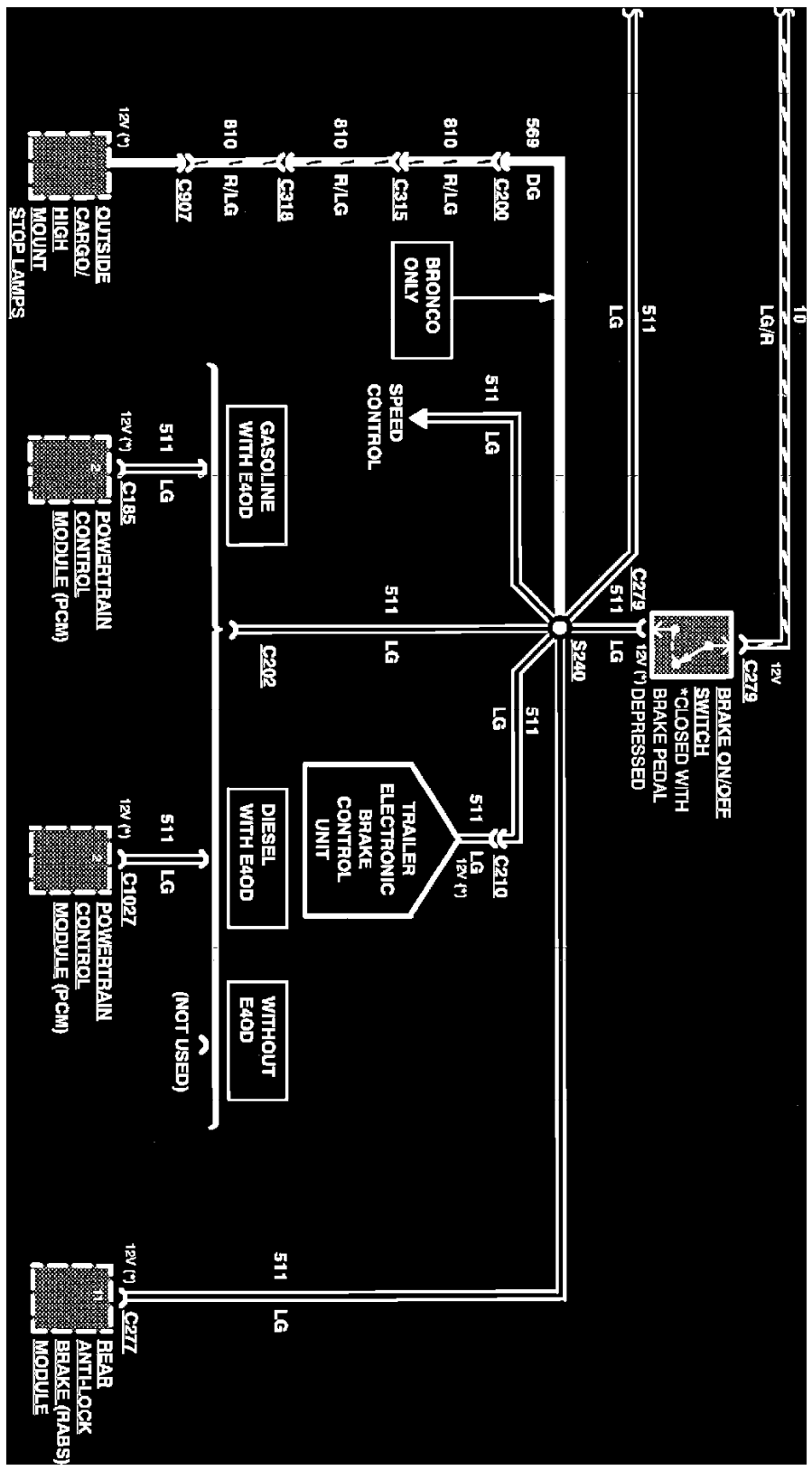
Turn/Stop/Hazard Lamps



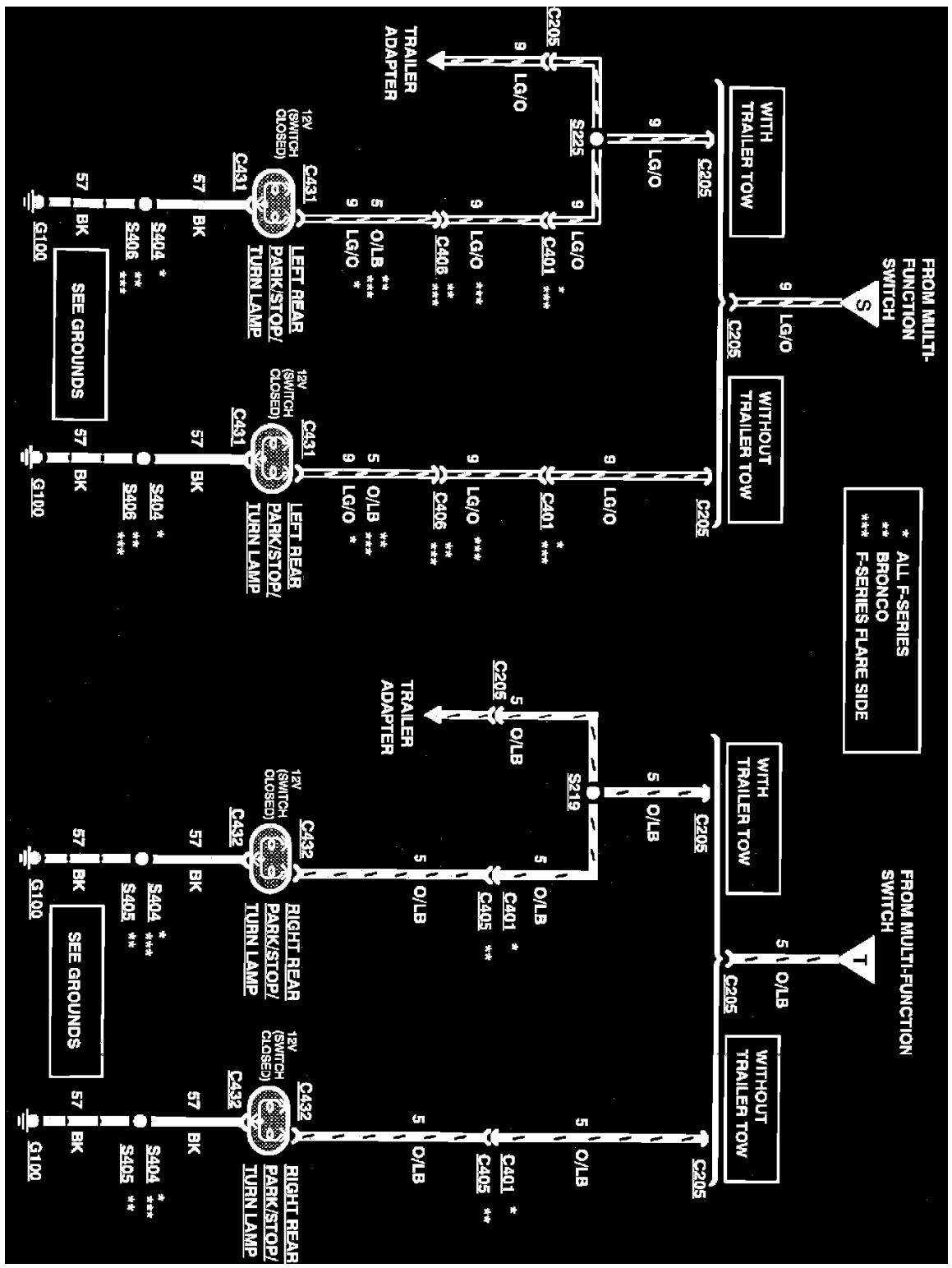
Turn/Stop/Hazard Lamps



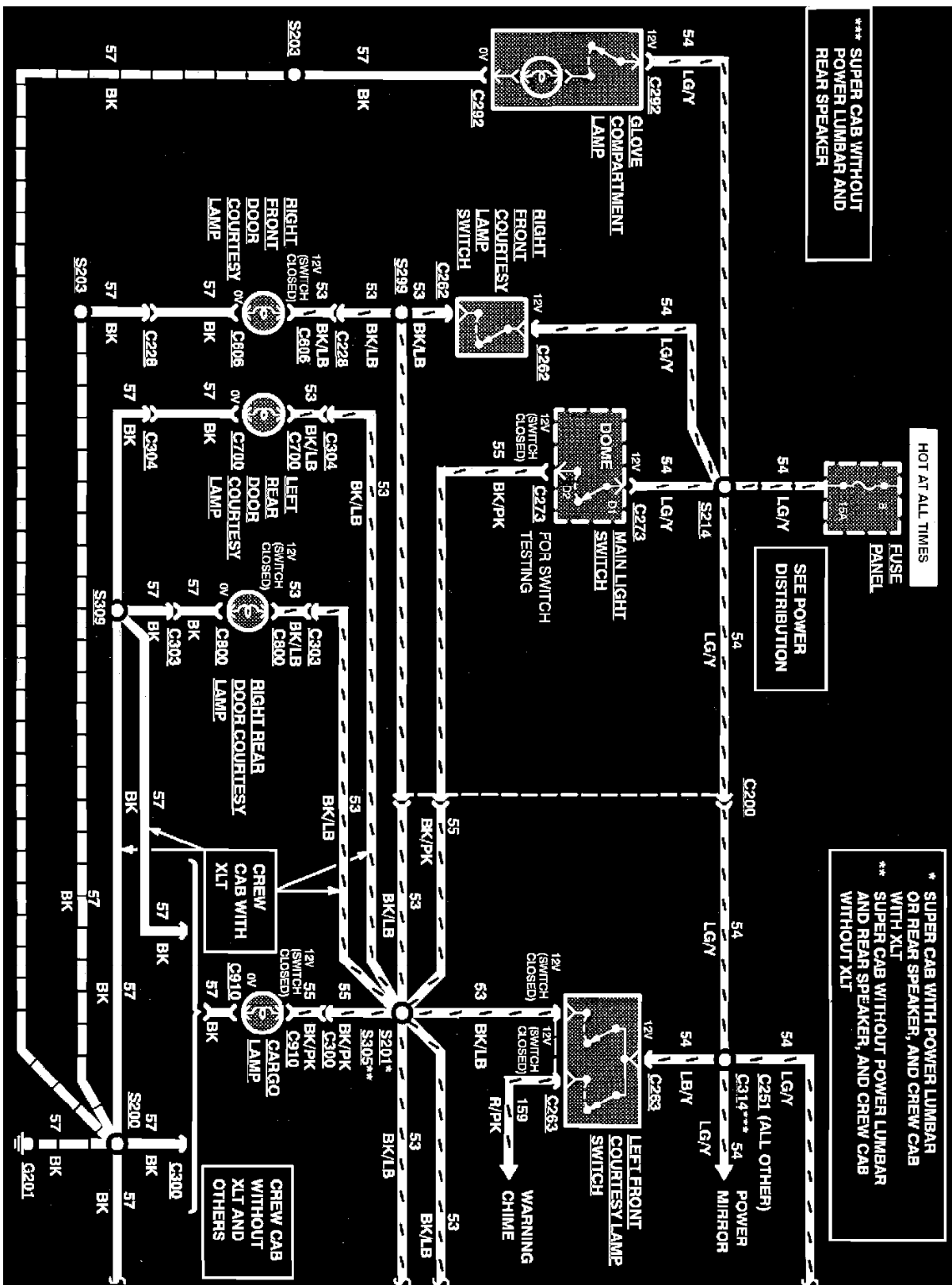
Turn/Stop/Hazard Lamps



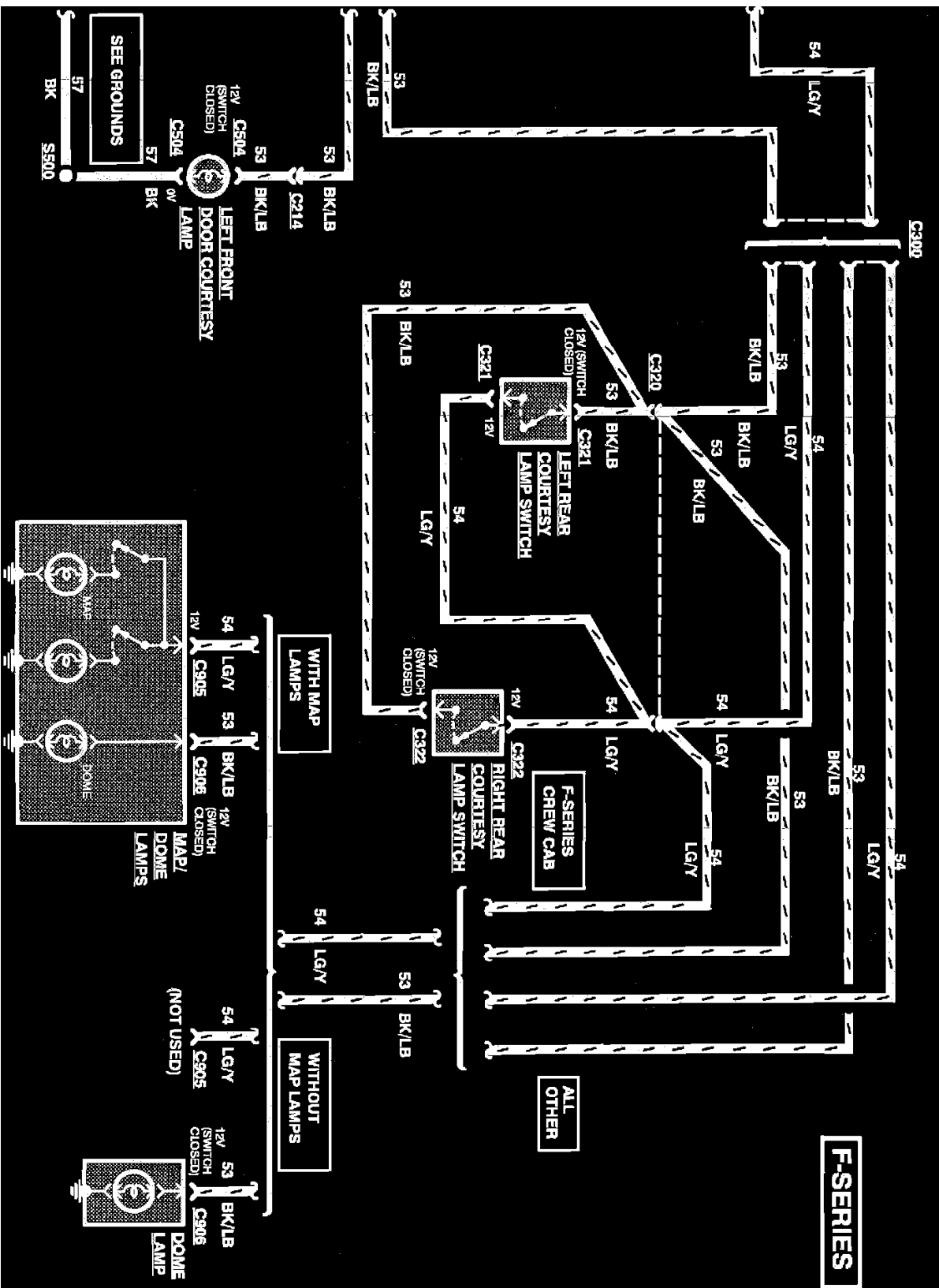
Turn/Stop/Hazard Lamps



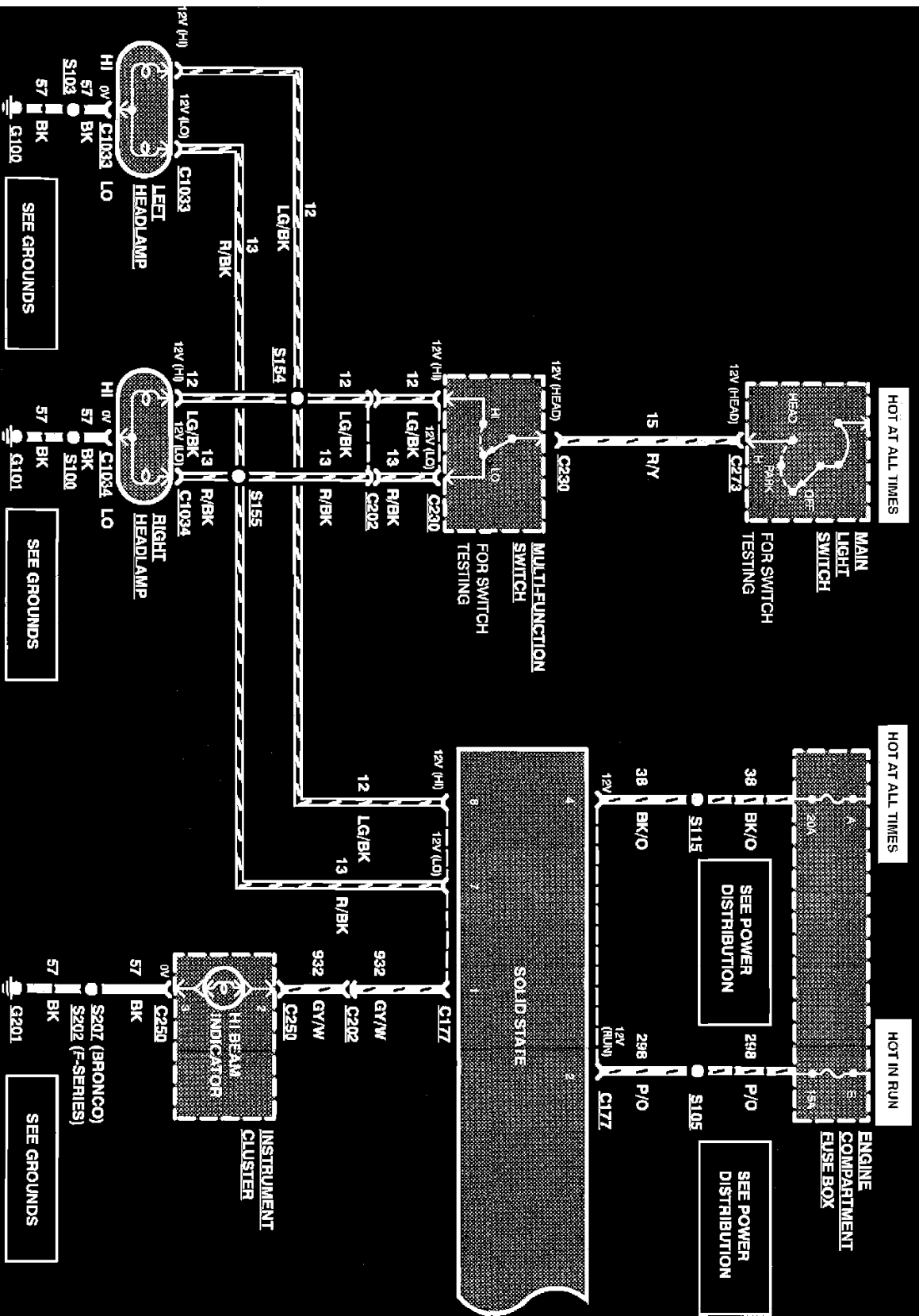
Turn/Stop/Hazard Lamps



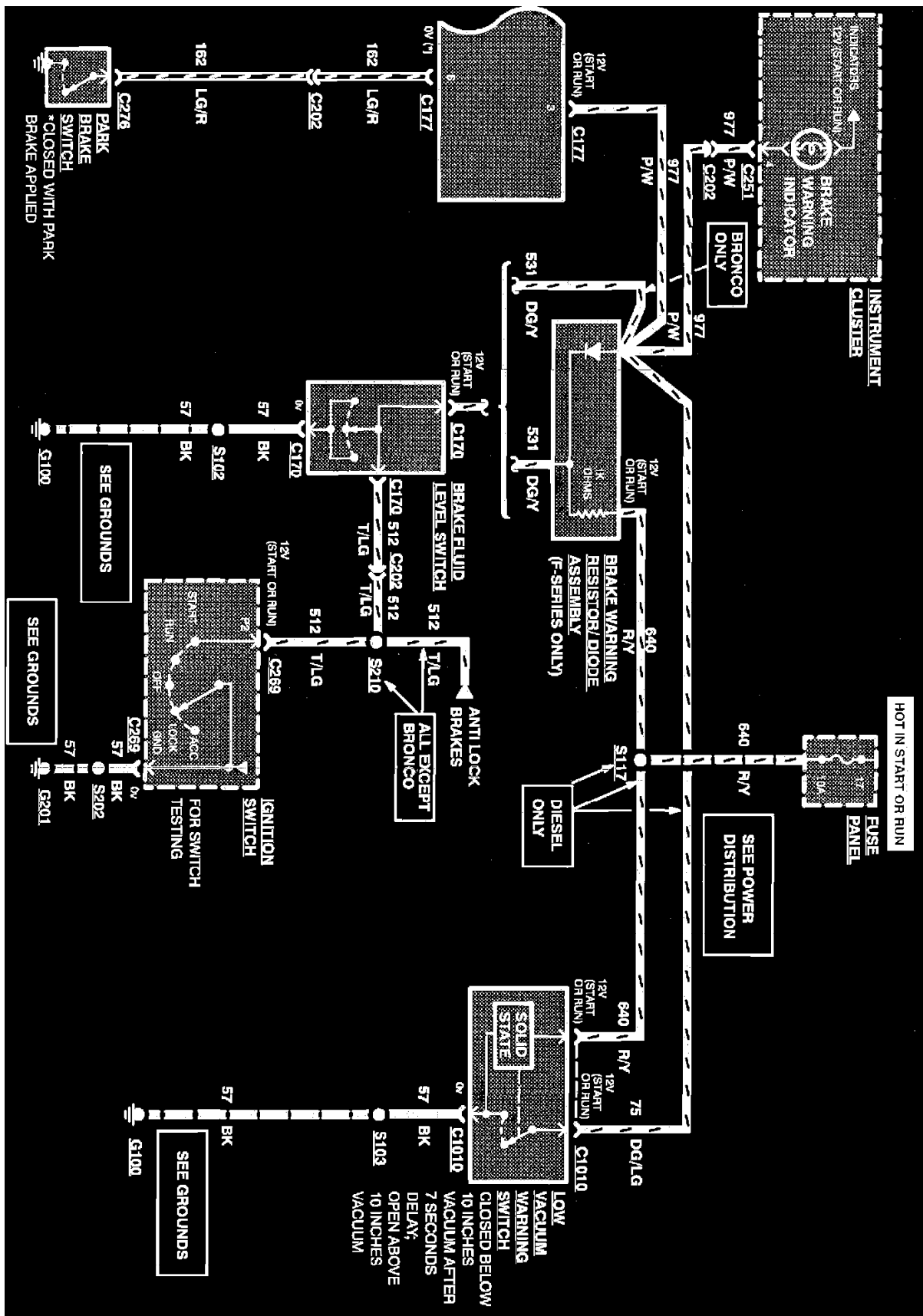
Courtesy Lamps



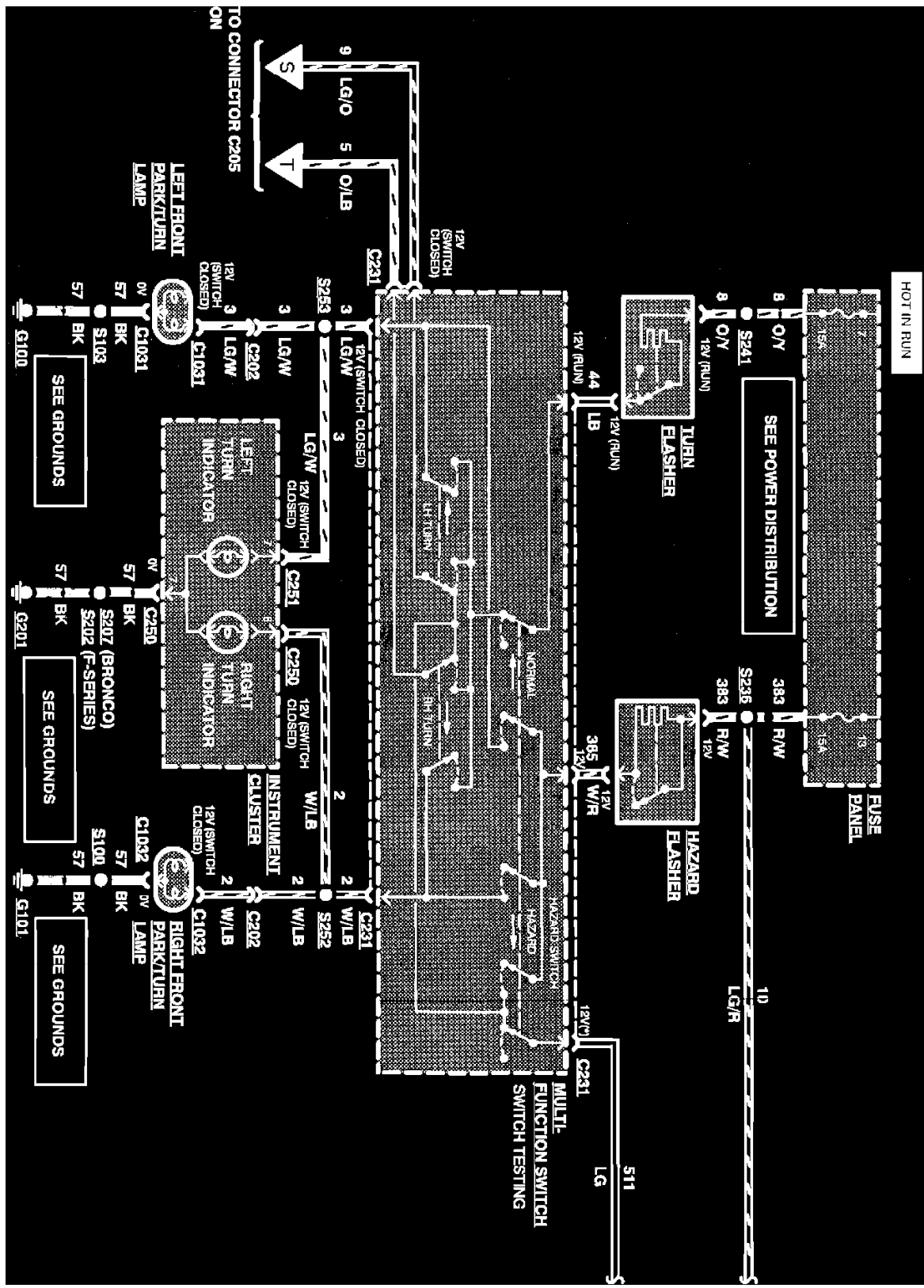
Courtesy Lamps



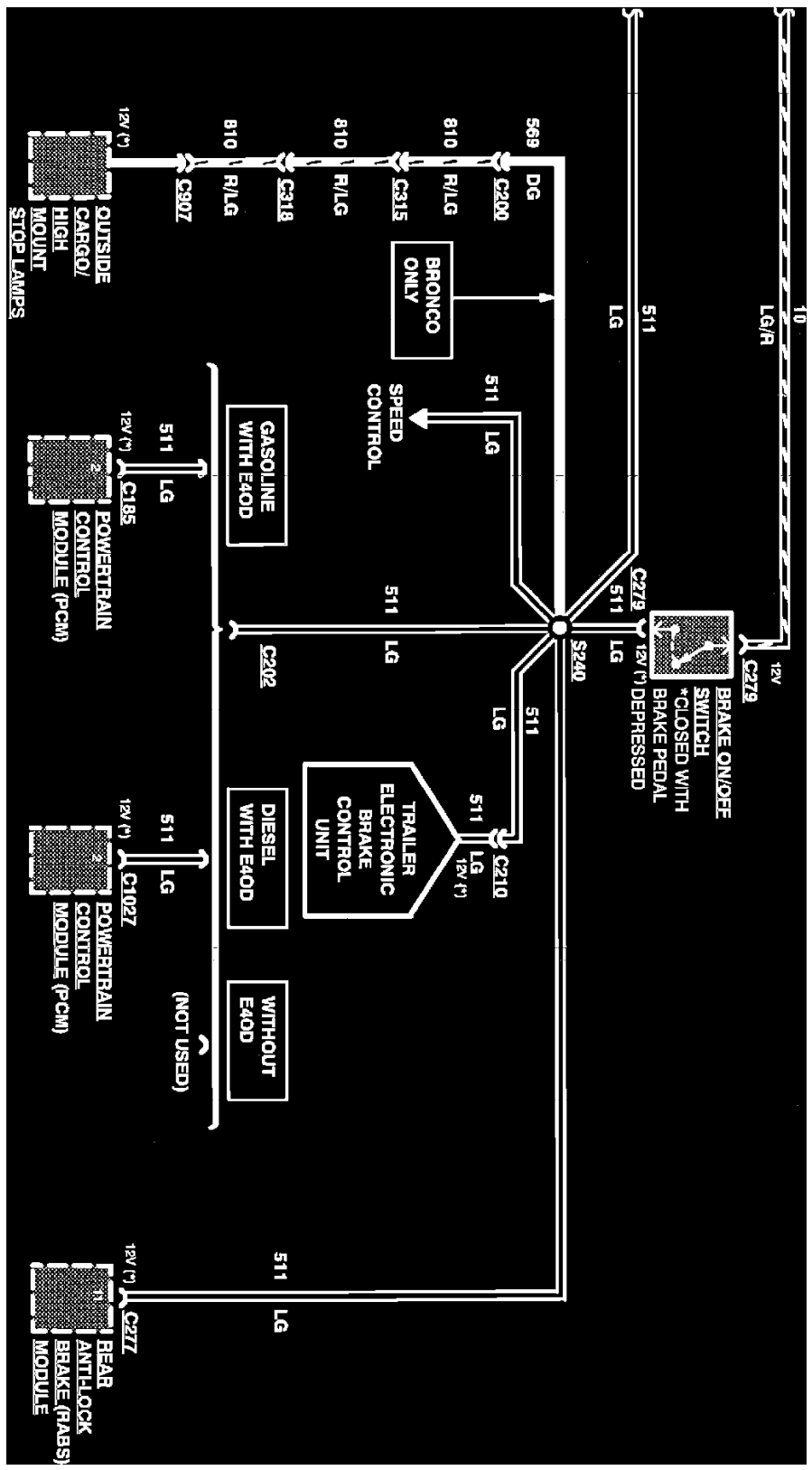
Daytime Running Lamps



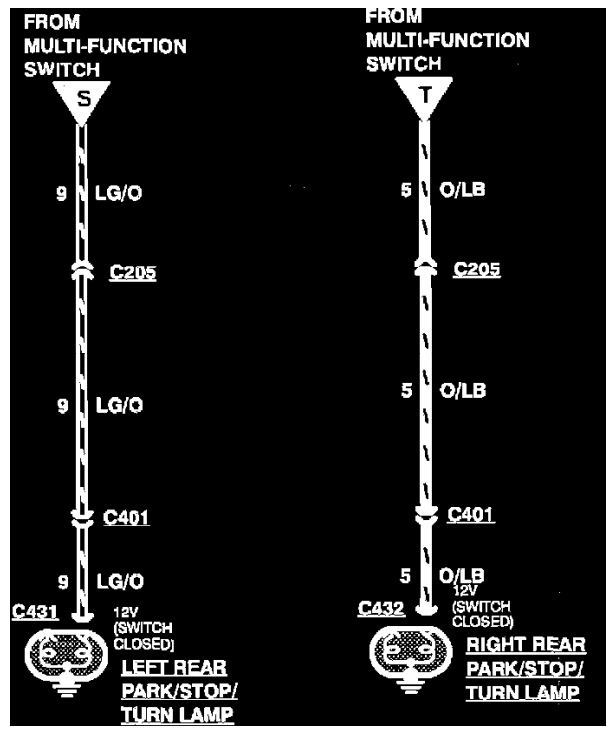
Daytime Running Lamps



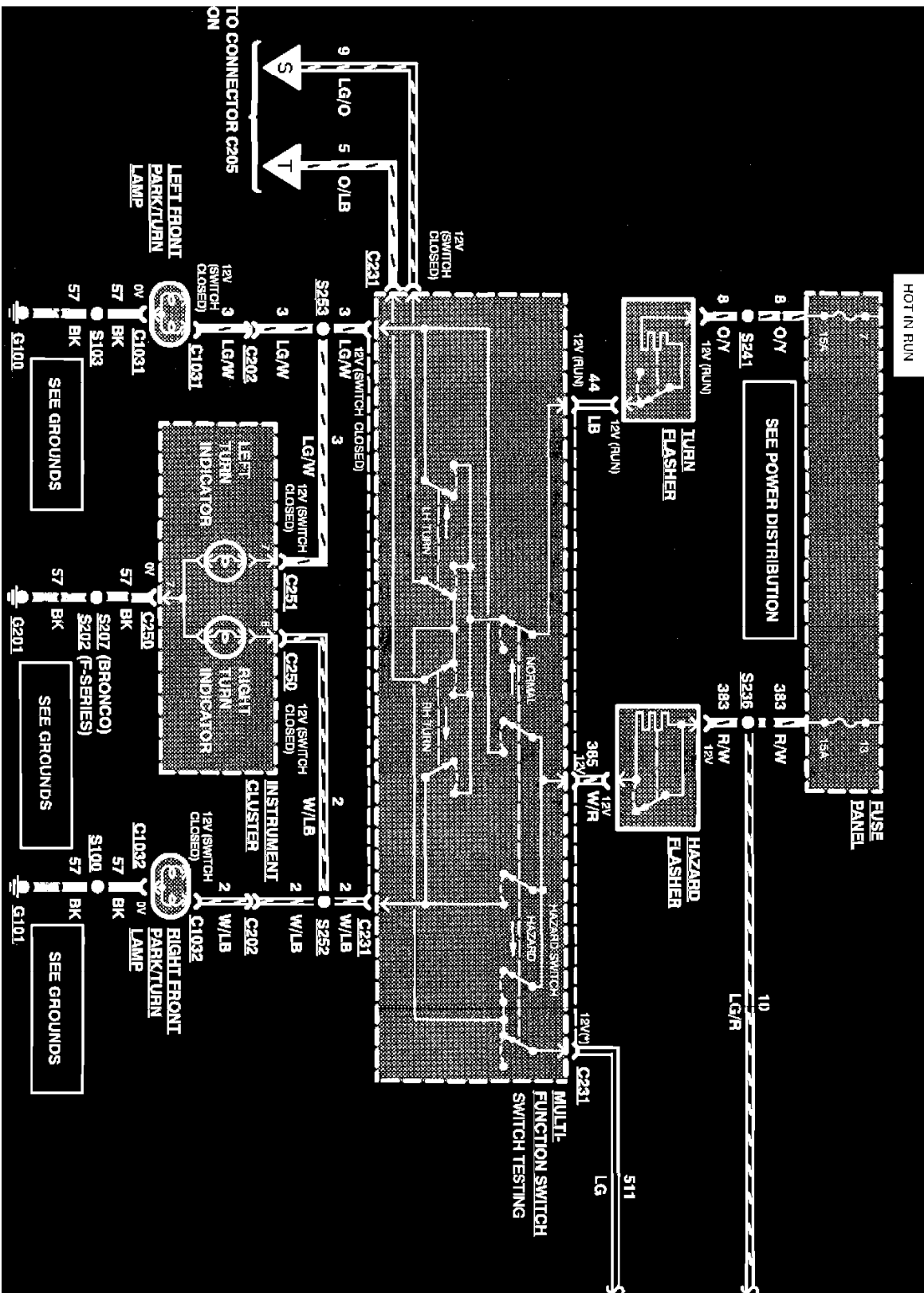
Turn/Stop/Hazard Lamps



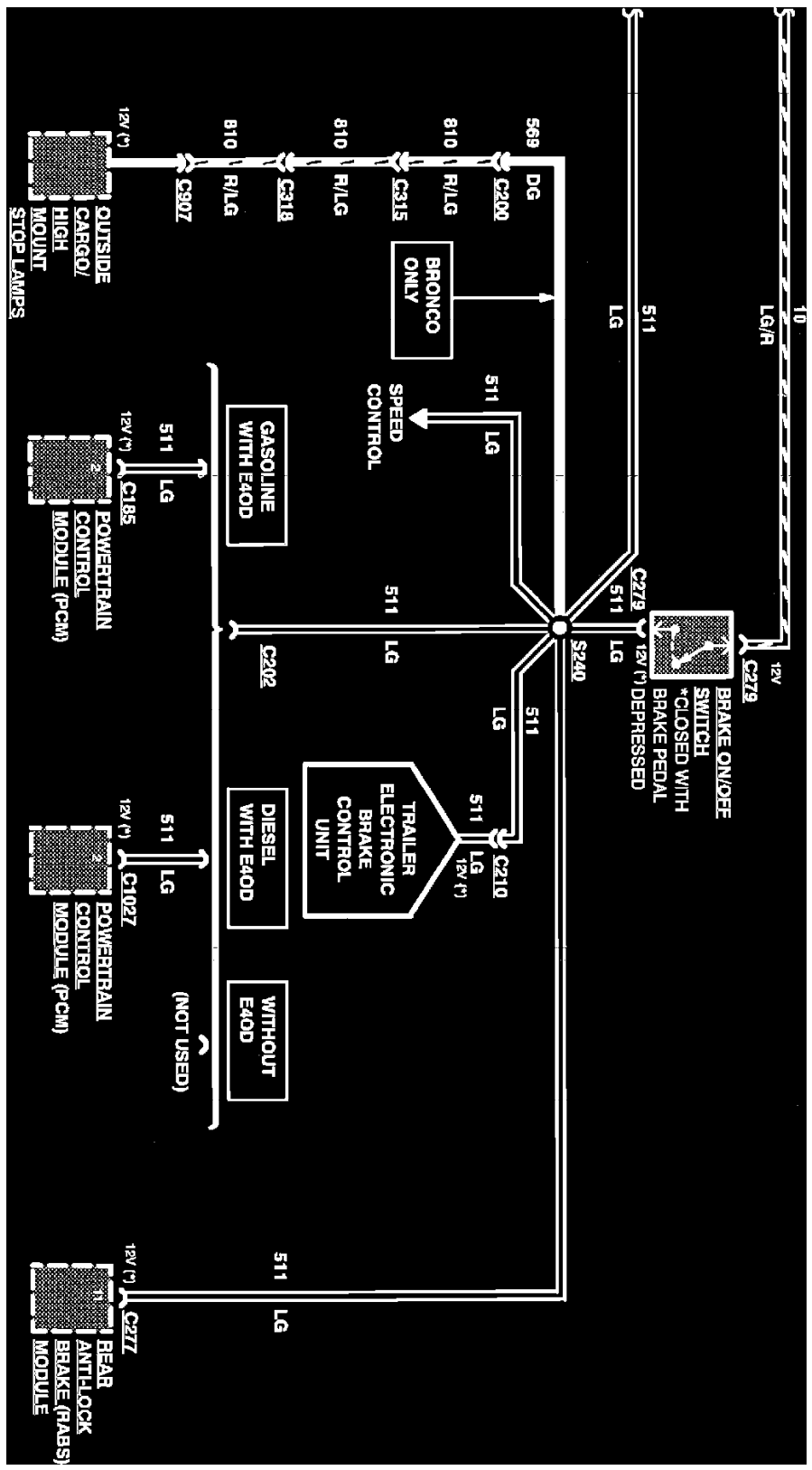
Turn/Stop/Hazard Lamps



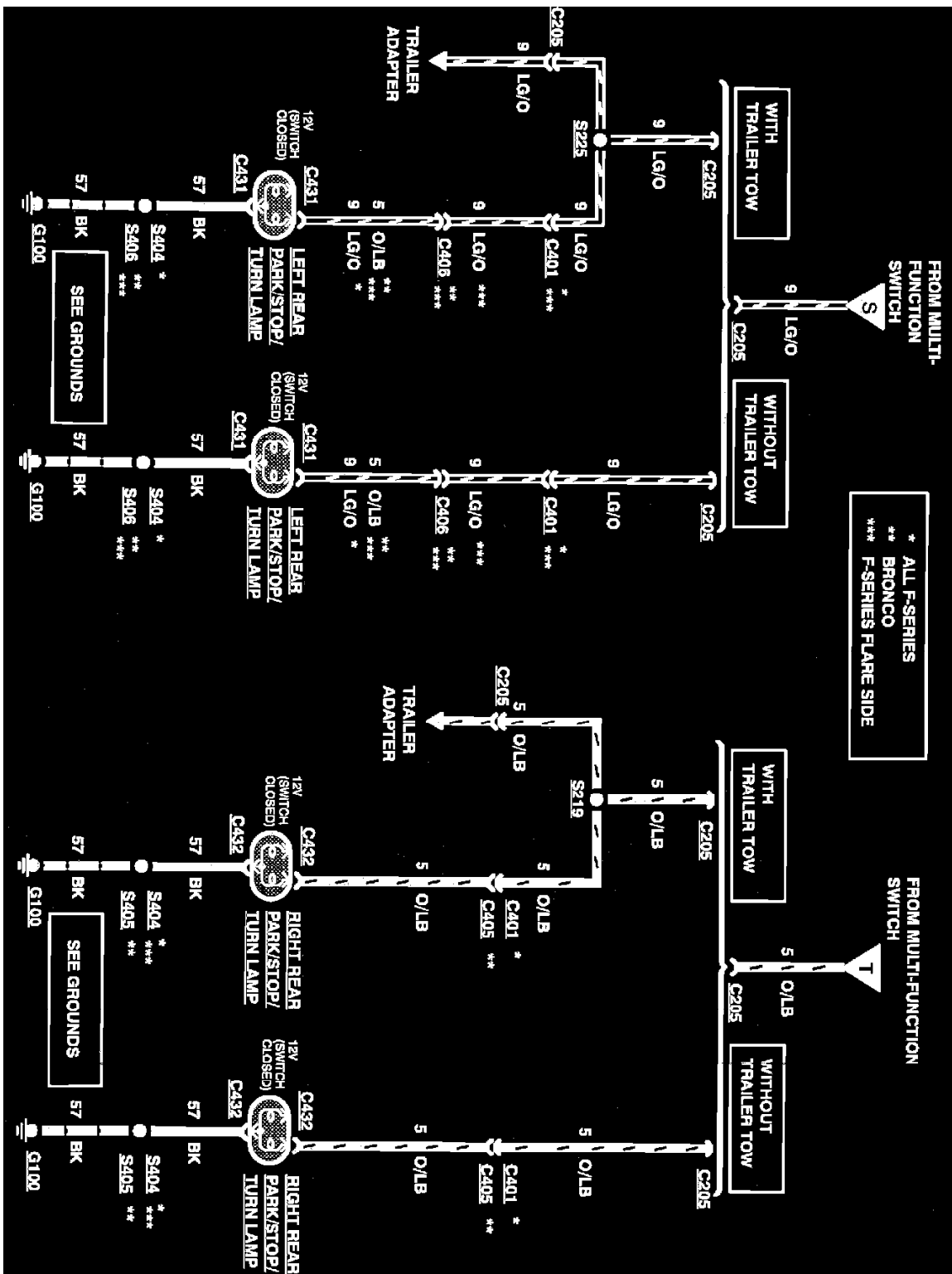
Turn/Stop/Hazard Lamps



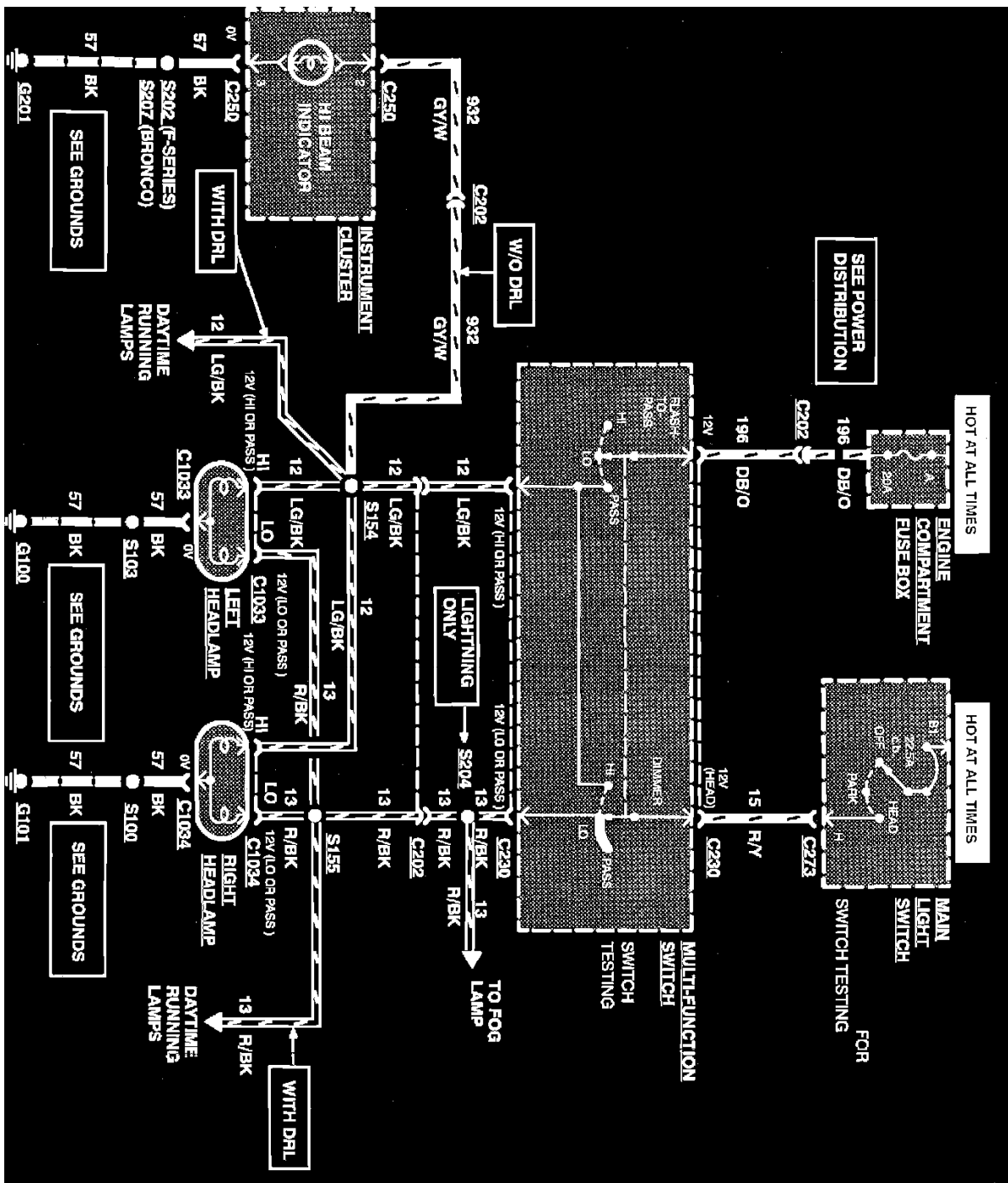
Turn/Stop/Hazard Lamps



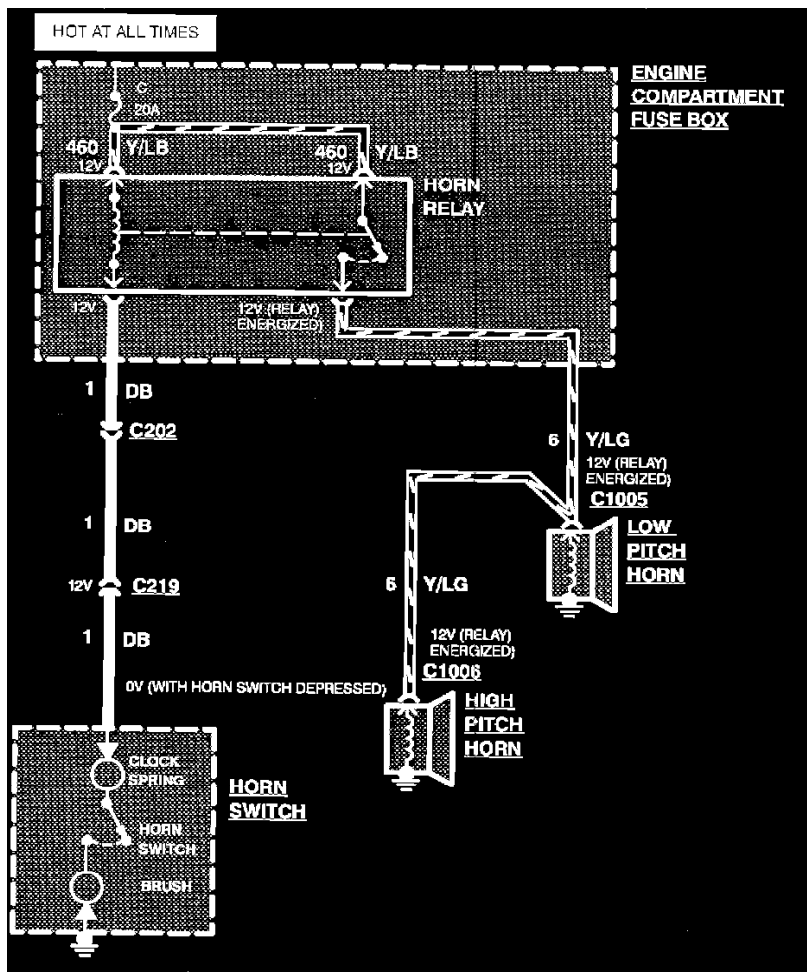
Turn/Stop/Hazard Lamps



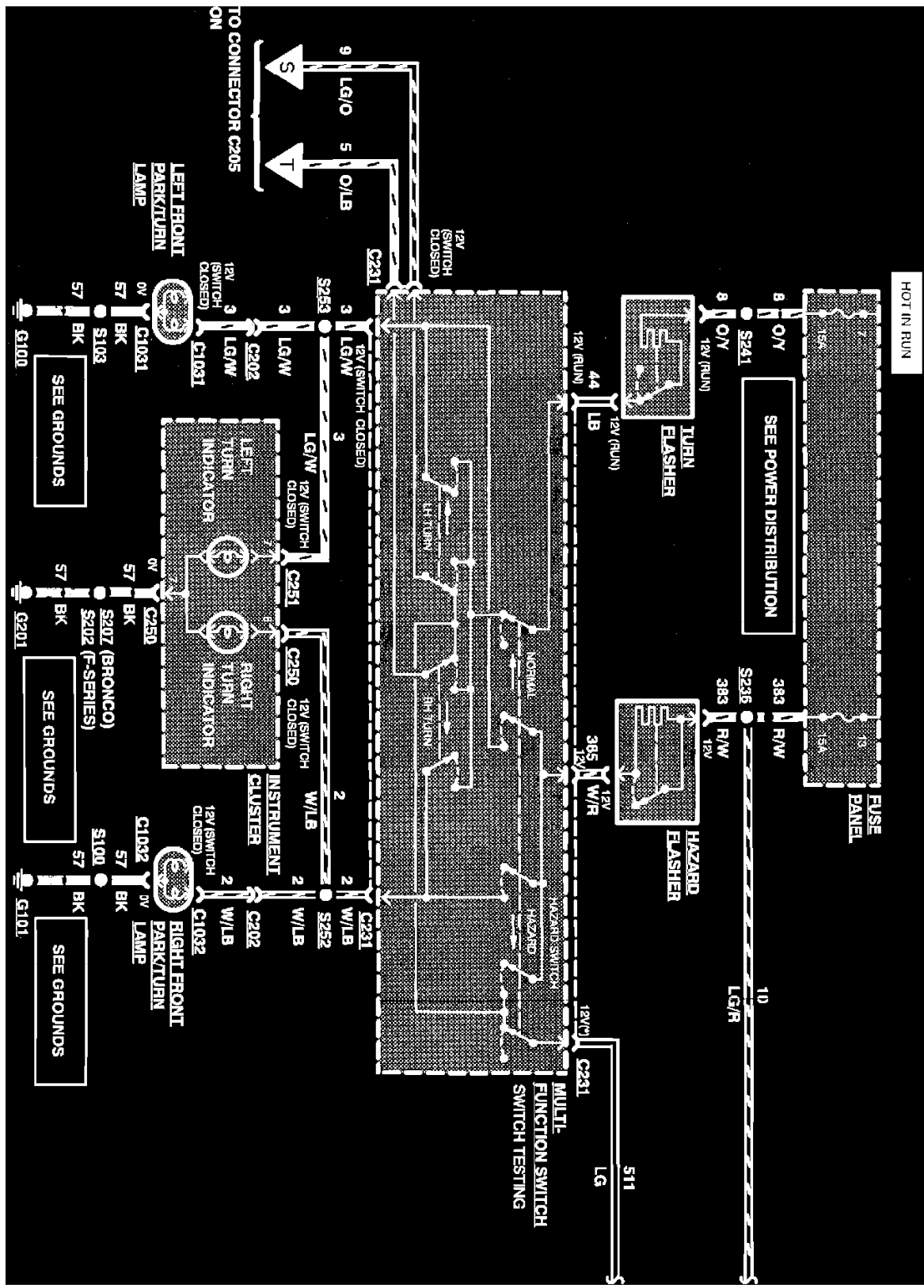
Turn/Stop/Hazard Lamps



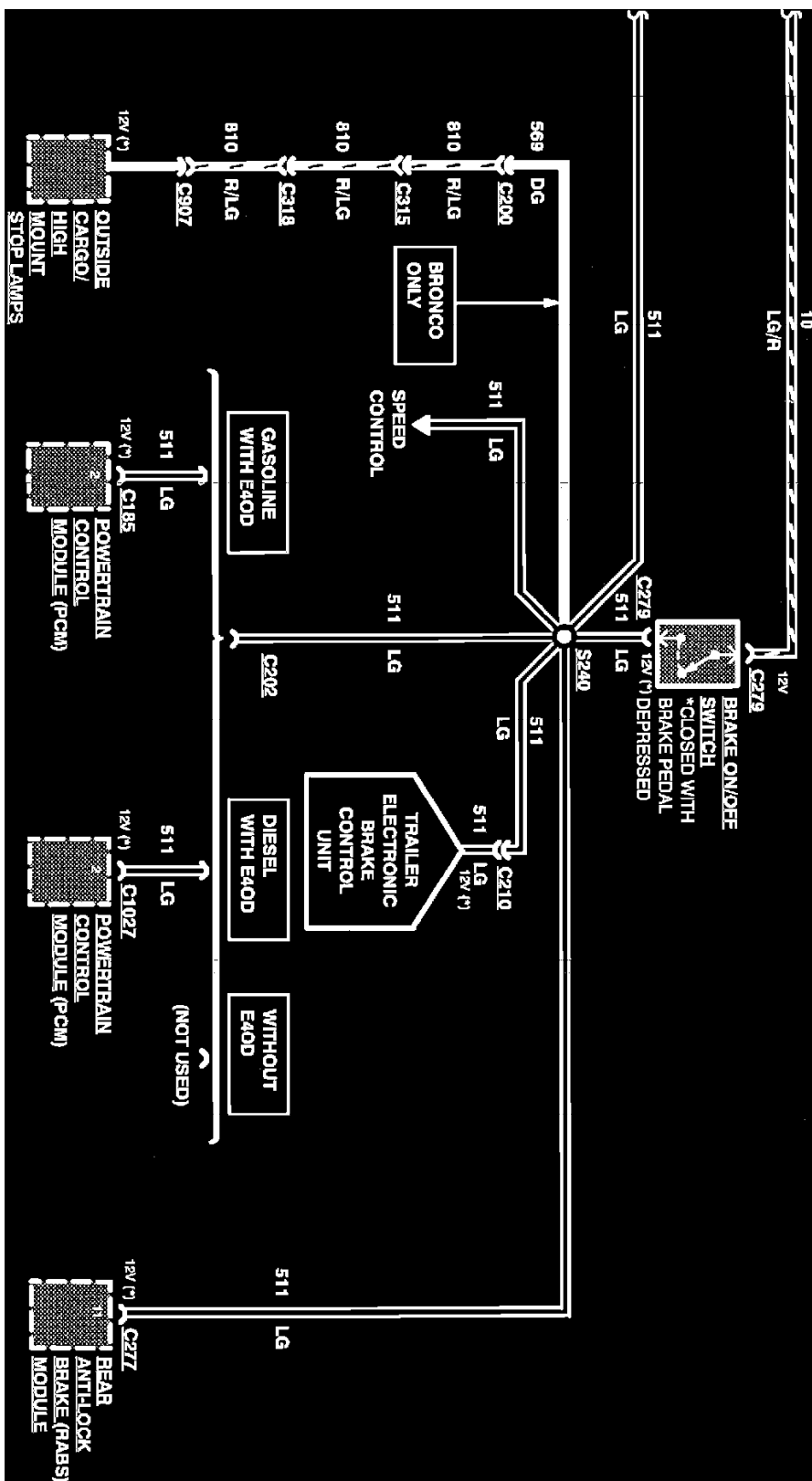
Headlamps



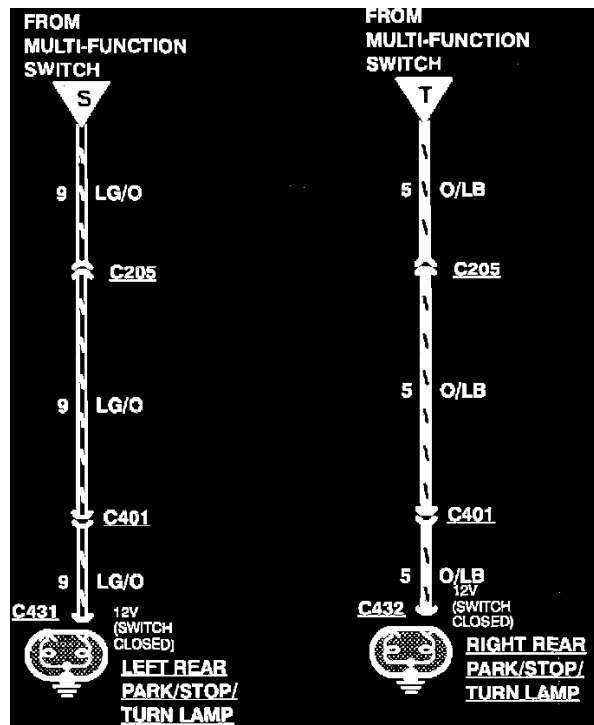
Horn/Cigar Lighter



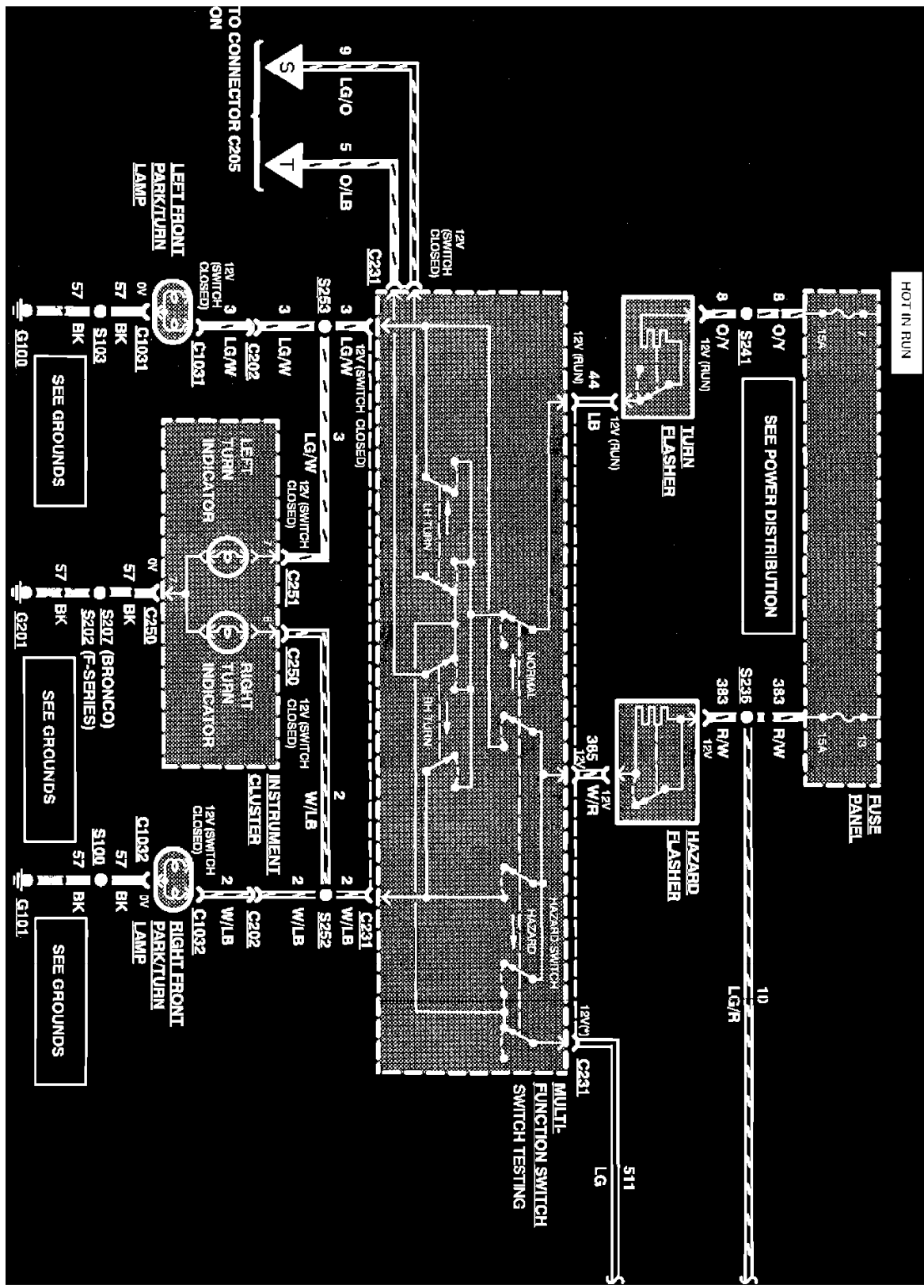
Turn/Stop/Hazard Lamps



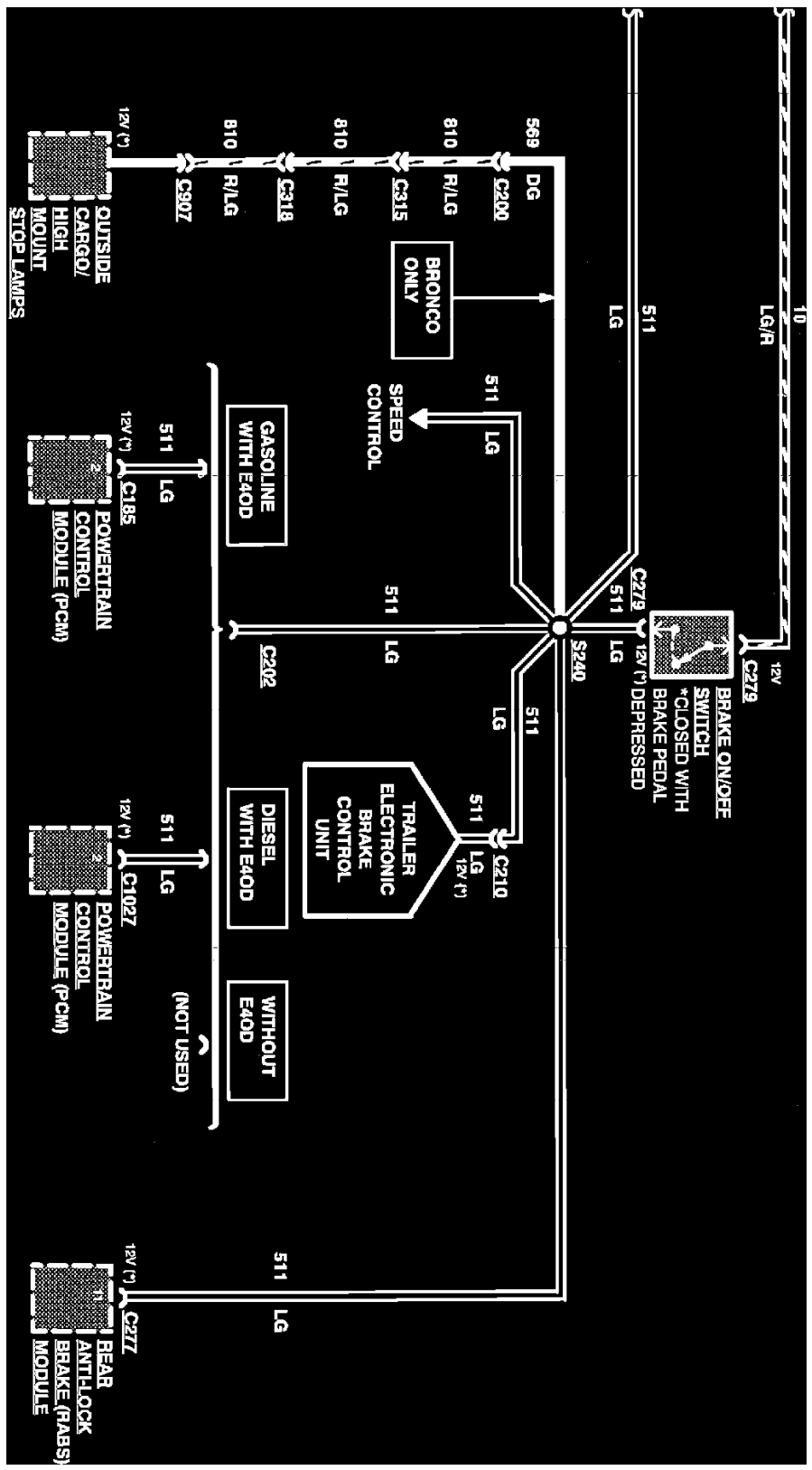
Turn/Stop/Hazard Lamps



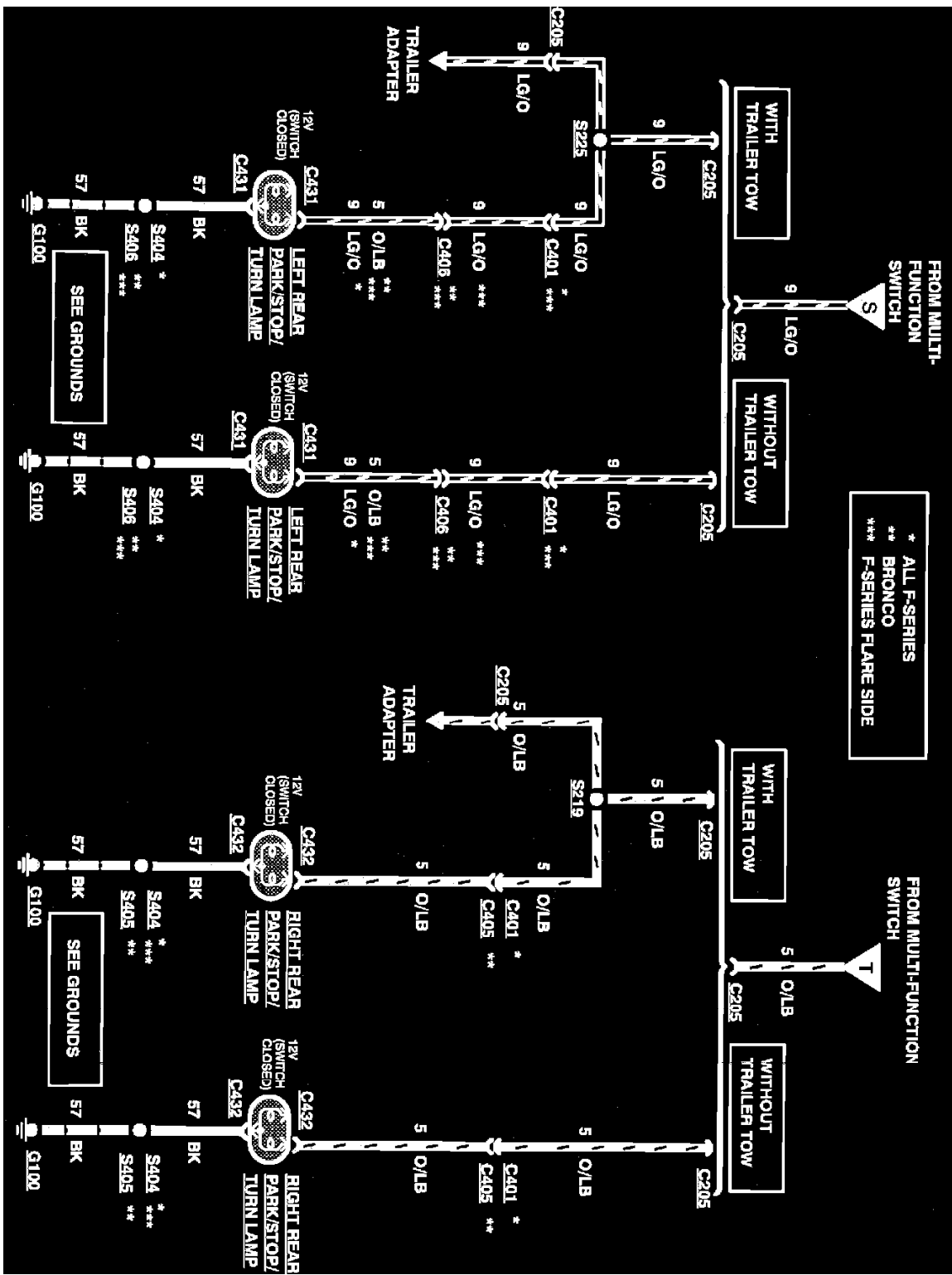
Turn/Stop/Hazard Lamps



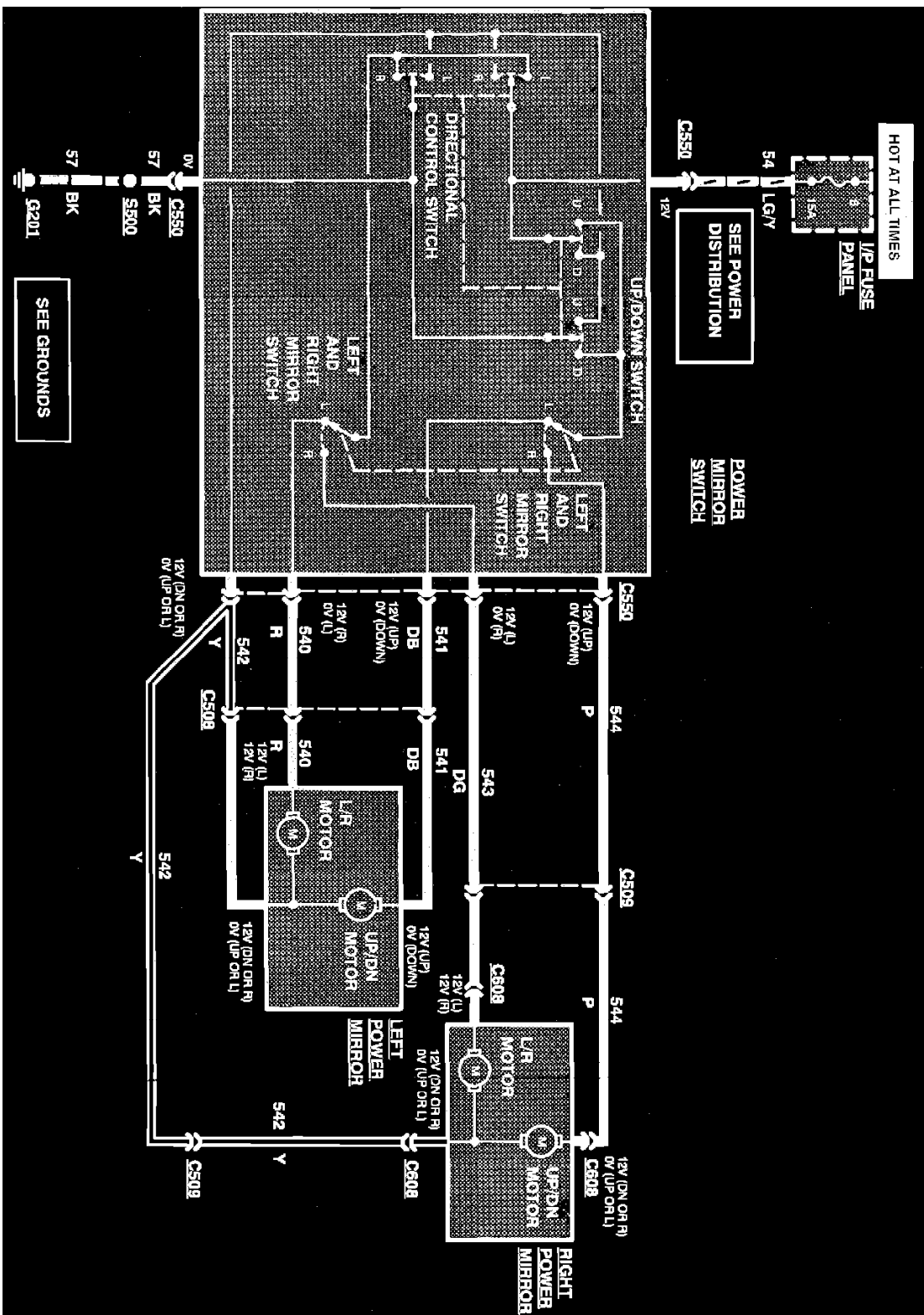
Turn/Stop/Hazard Lamps



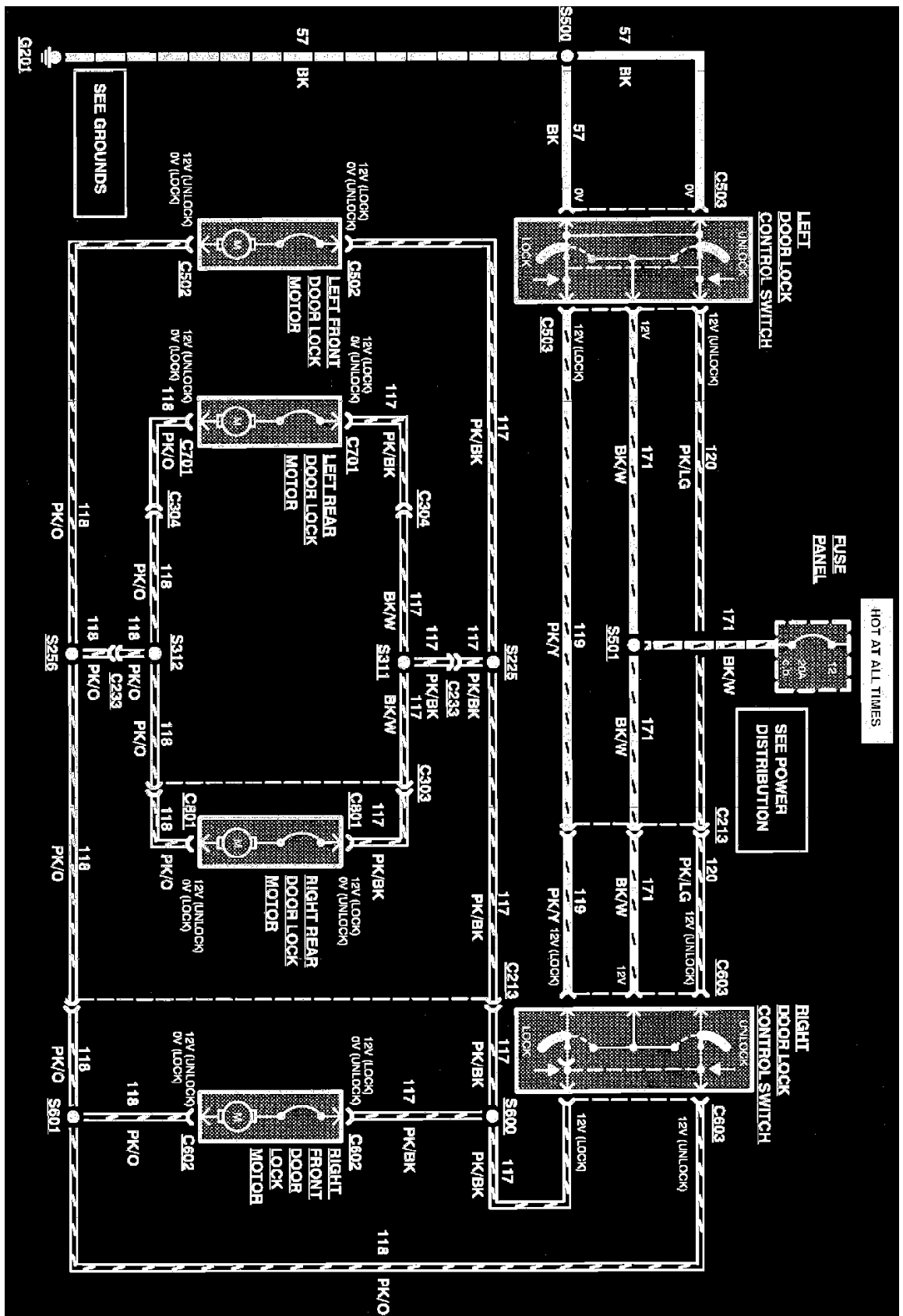
Turn/Stop/Hazard Lamps



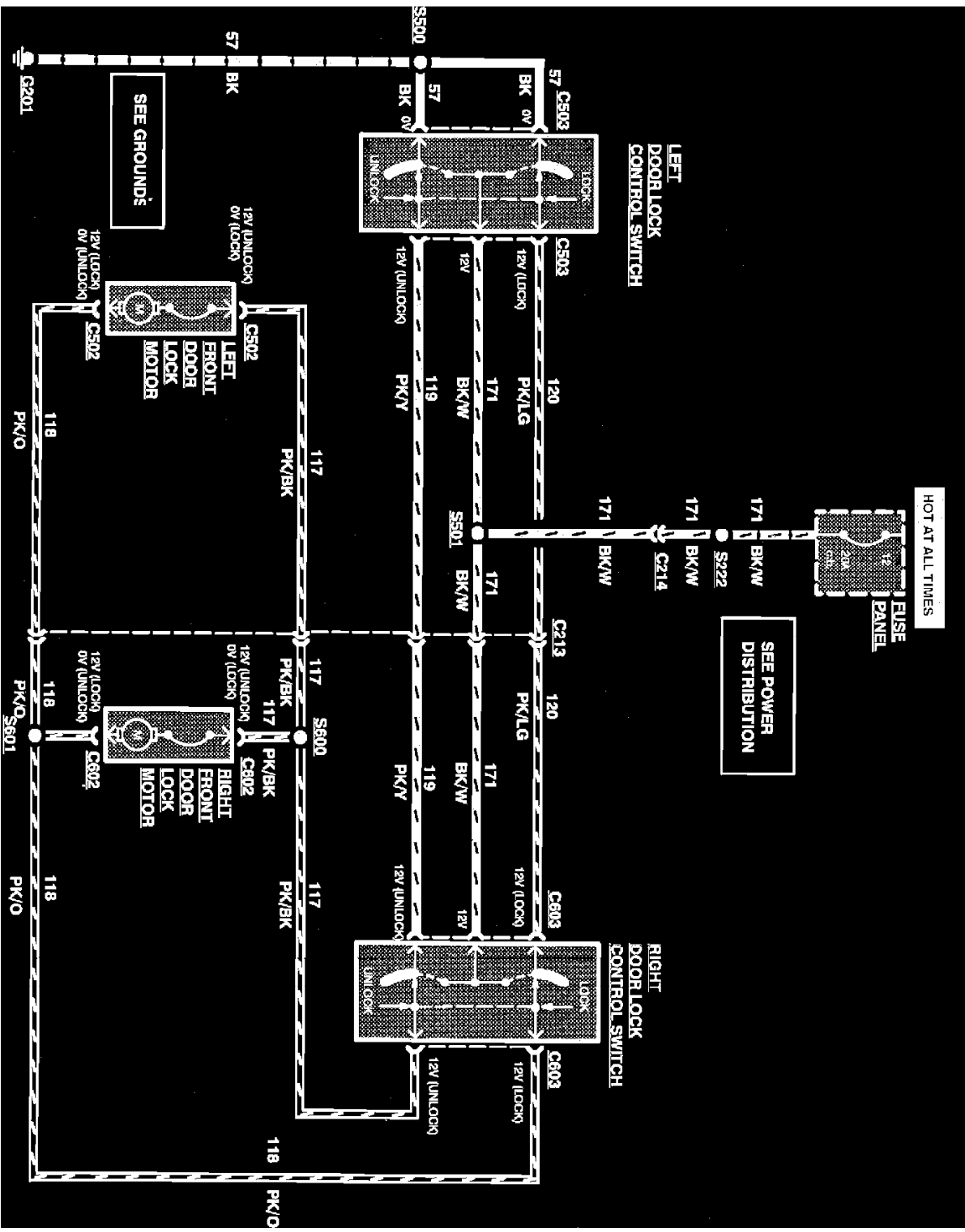
Turn/Stop/Hazard Lamps



Power Mirrors

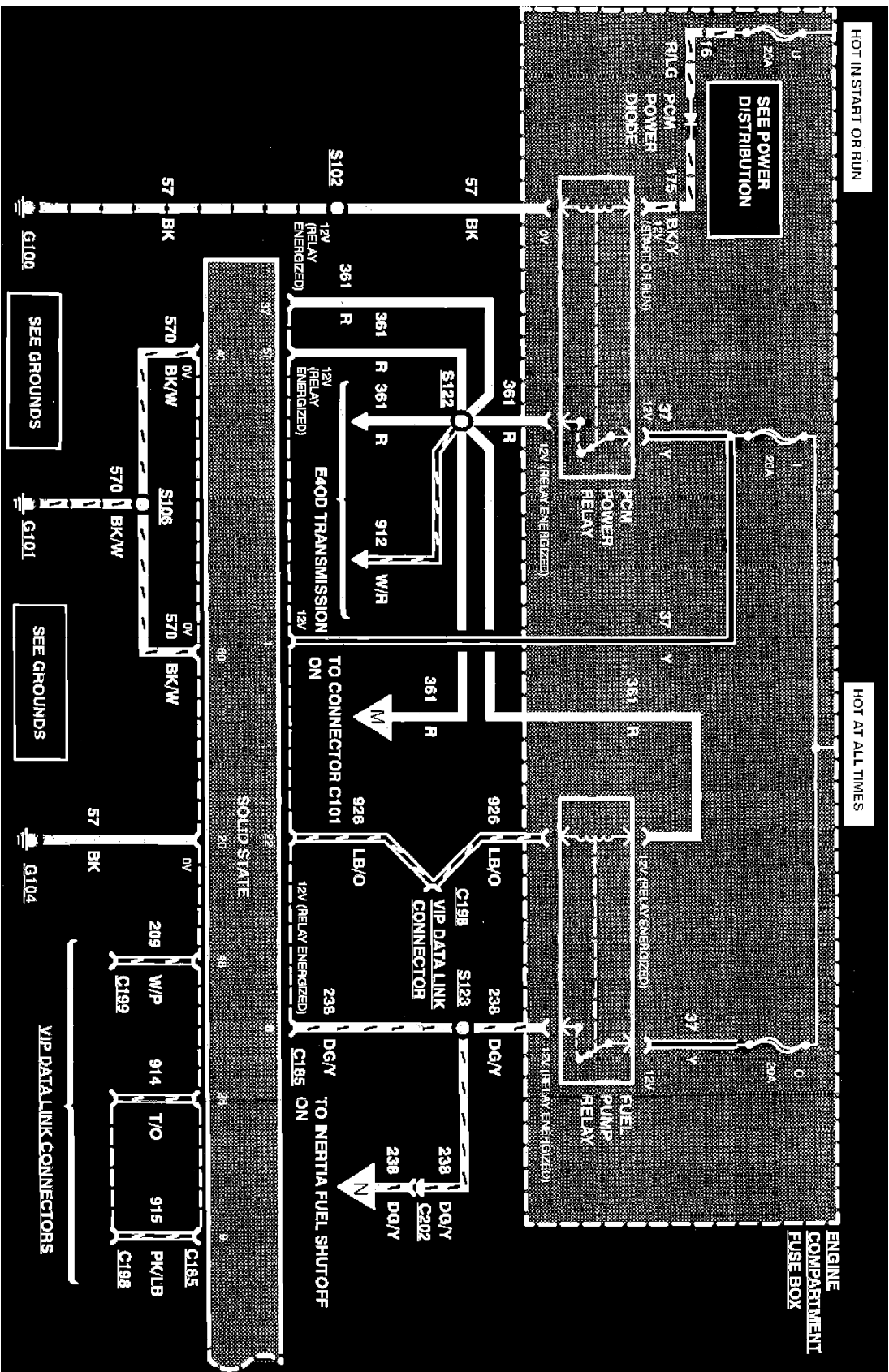


Power Door Locks

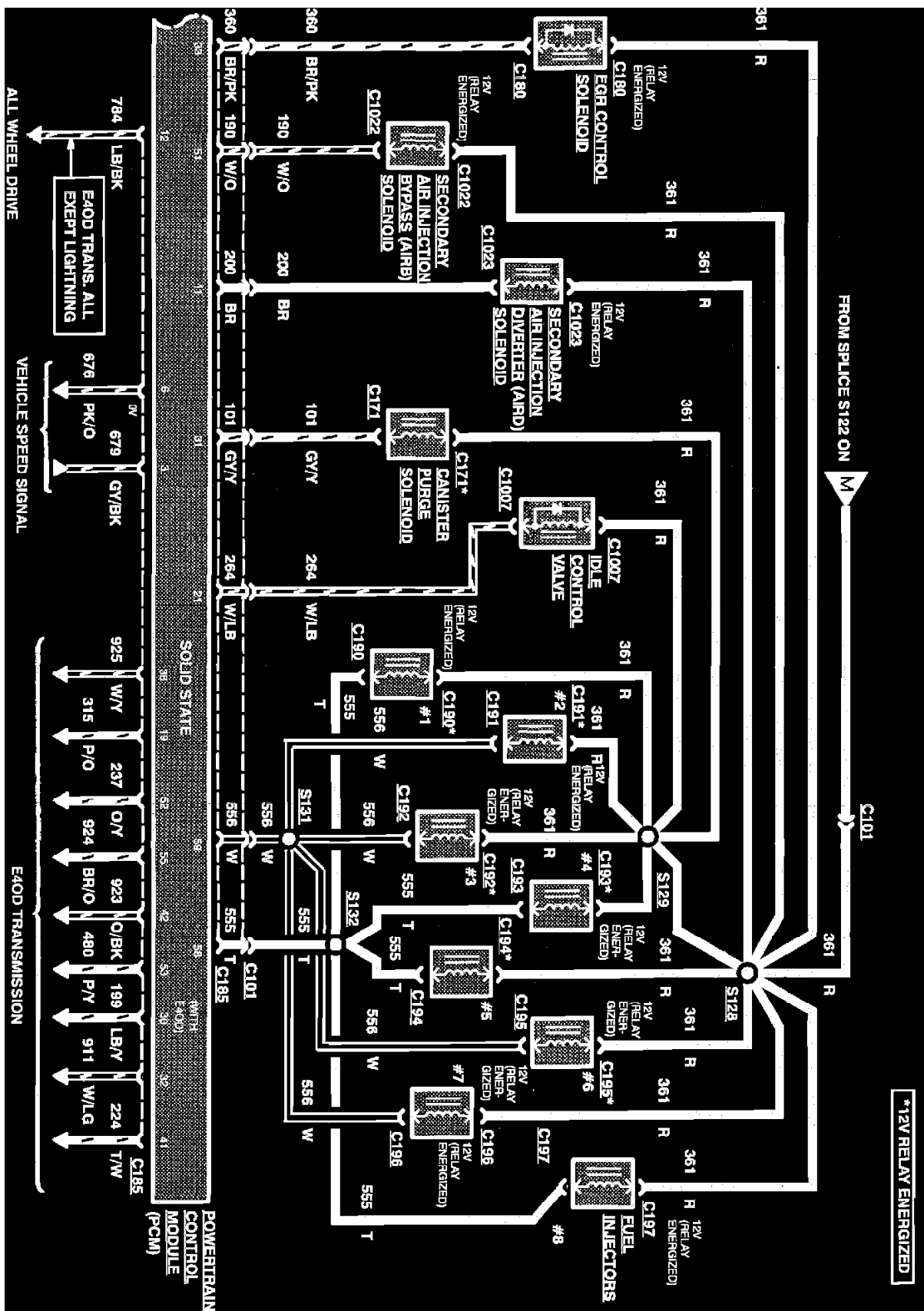


Power Door Locks

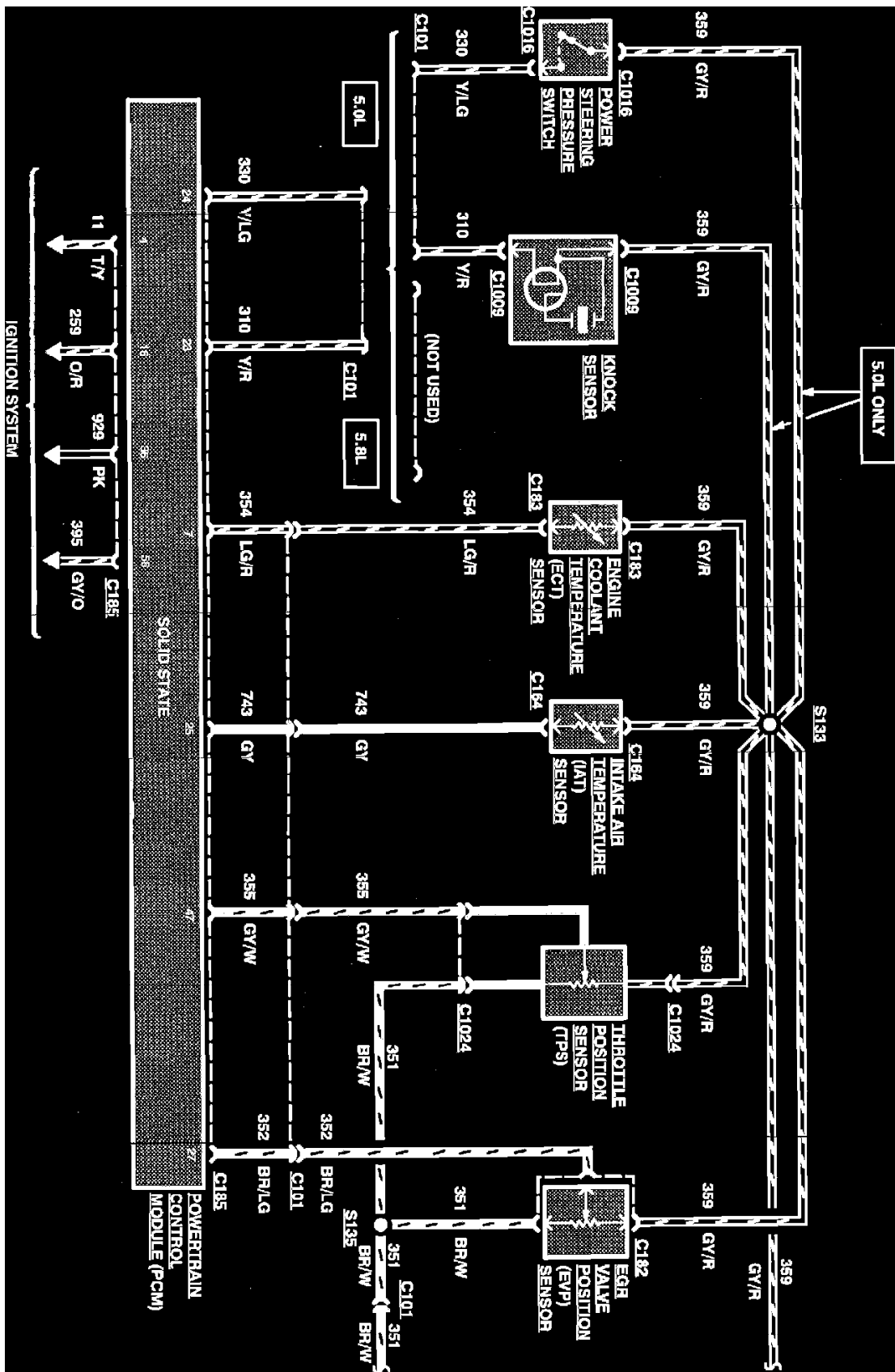
System Diagram



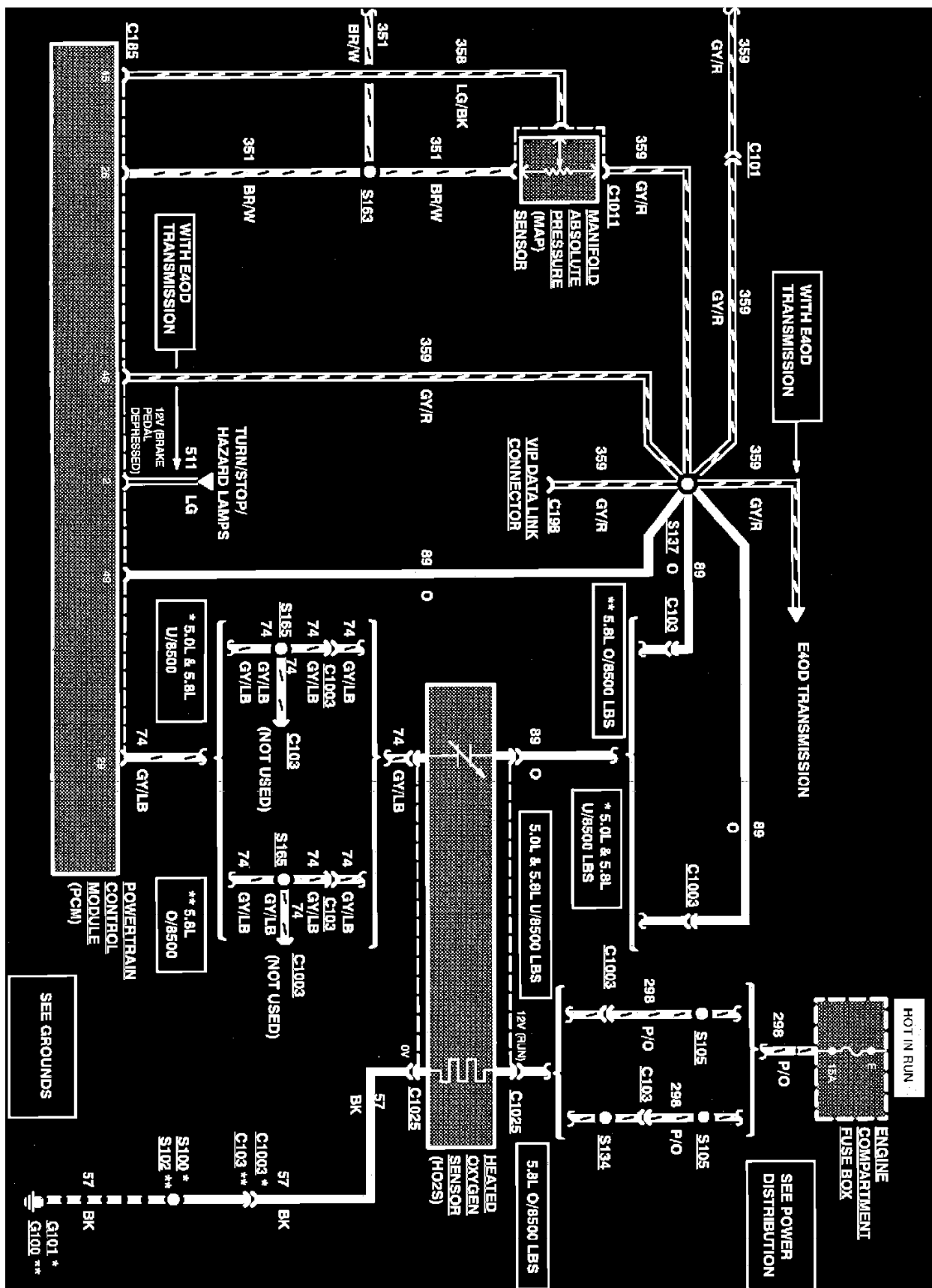
Engine Controls



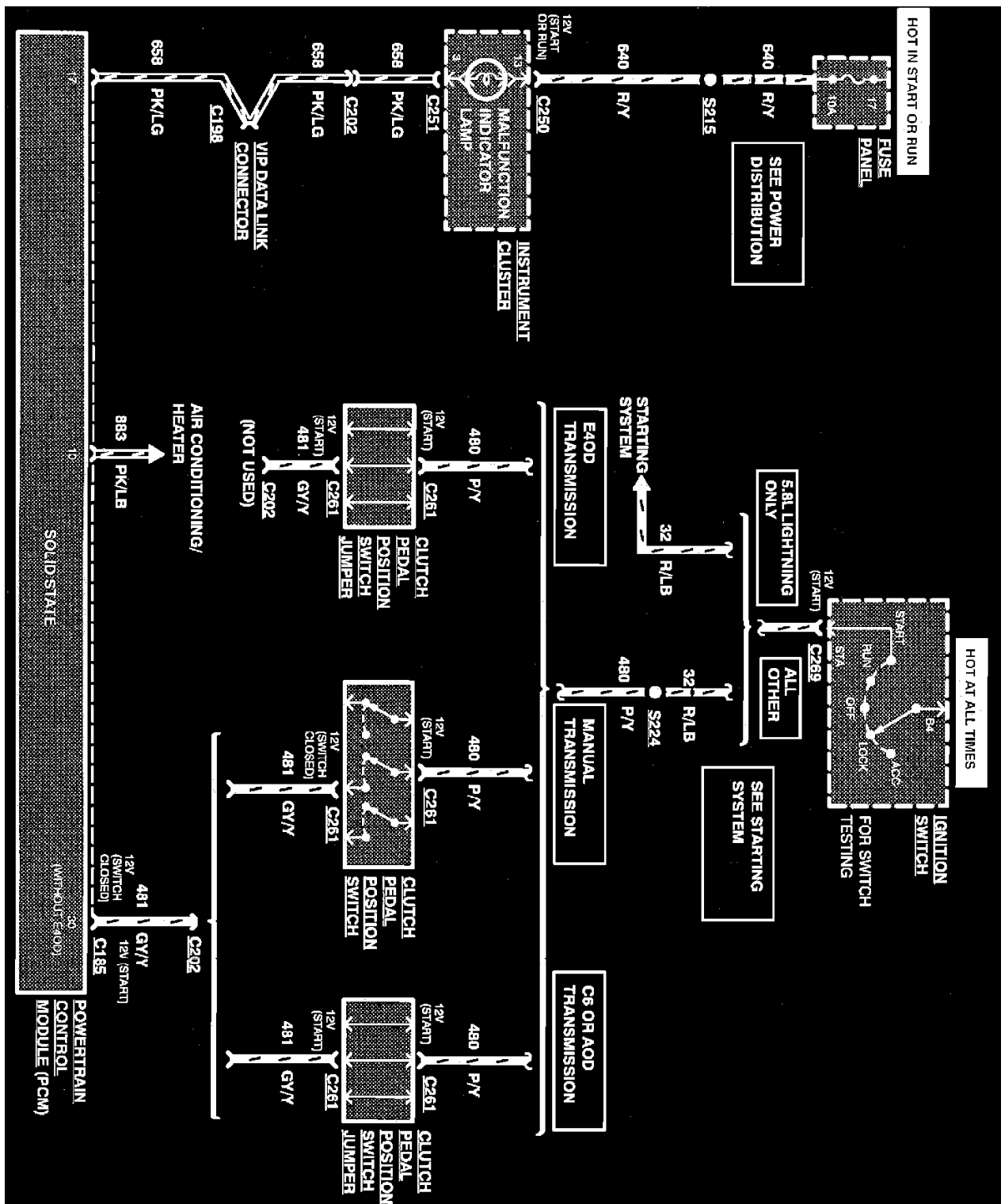
Engine Controls



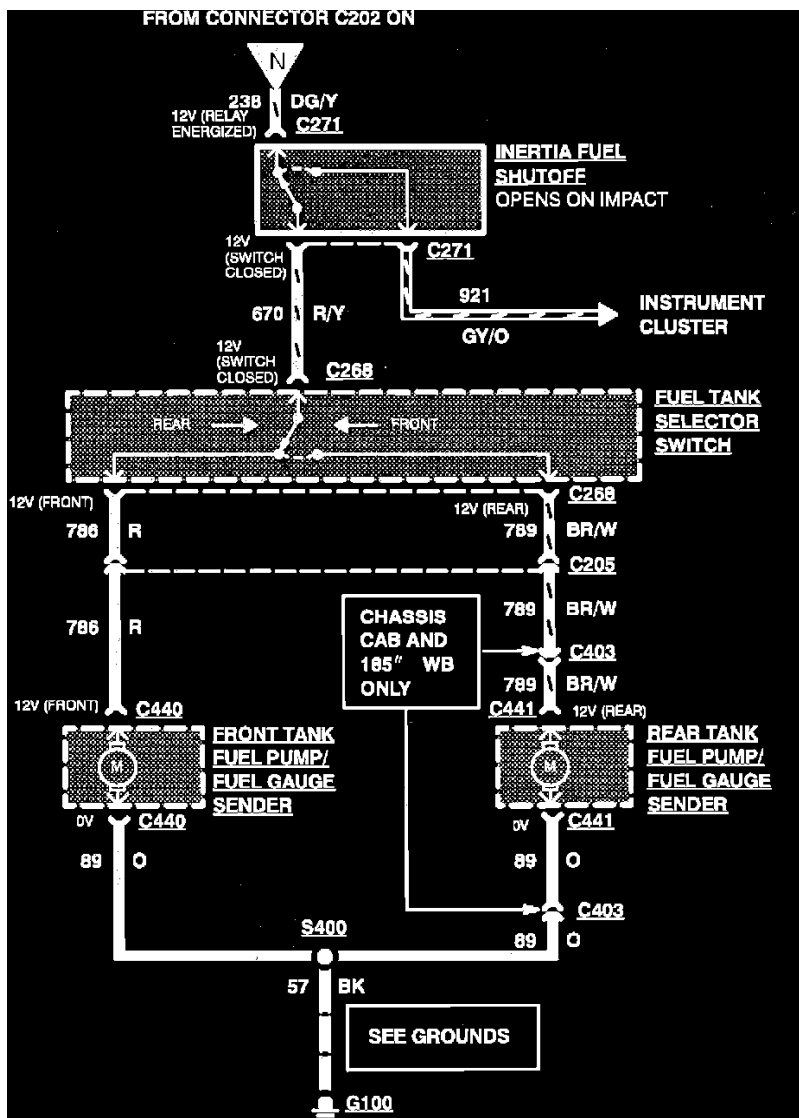
Engine Controls



Engine Controls



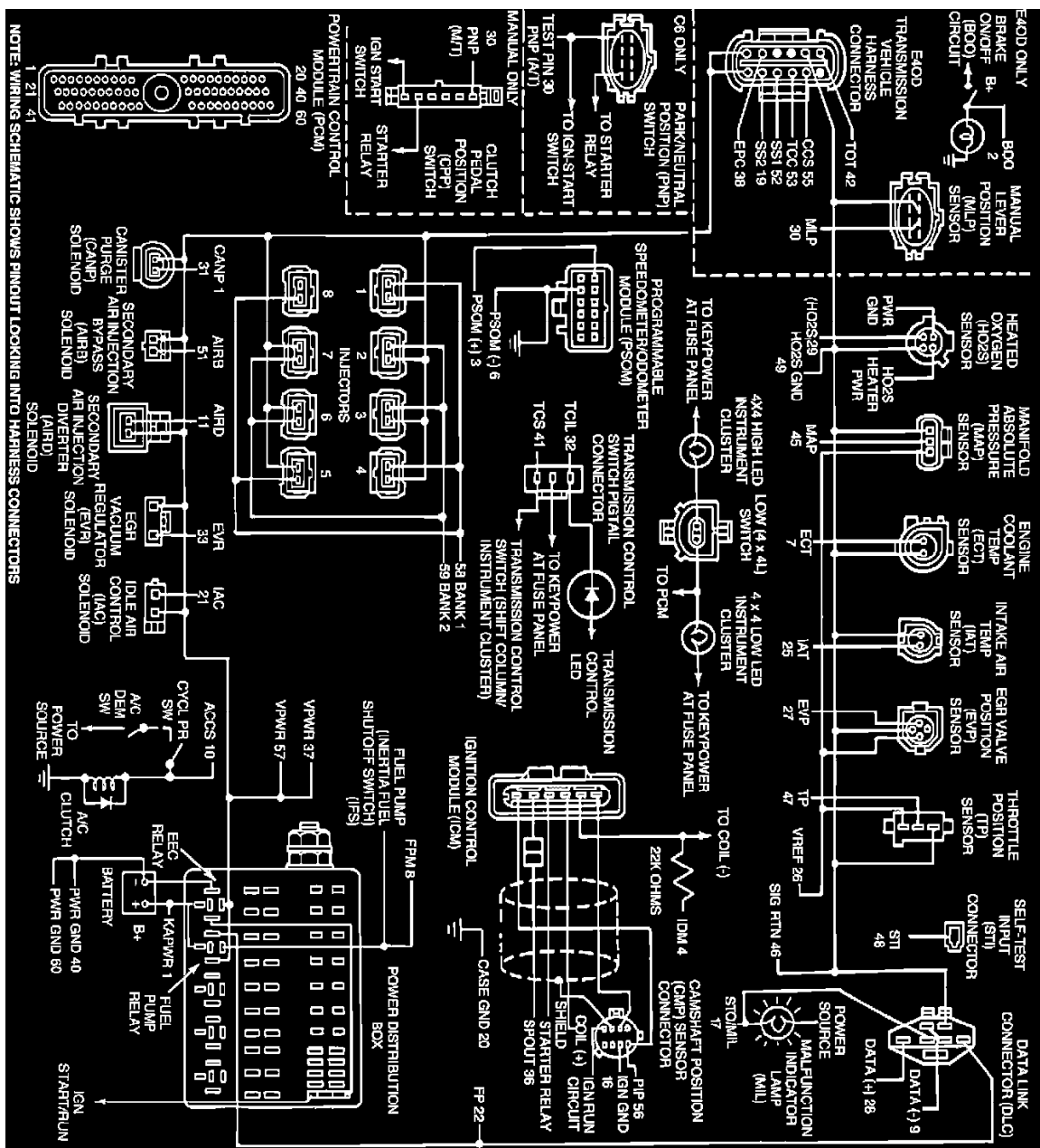
Engine Controls



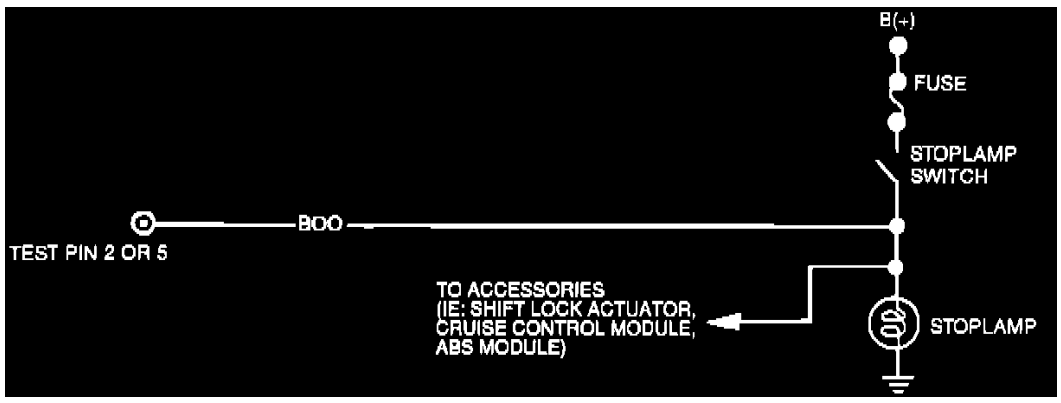
Engine Controls

Powertrain Diagrams

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams



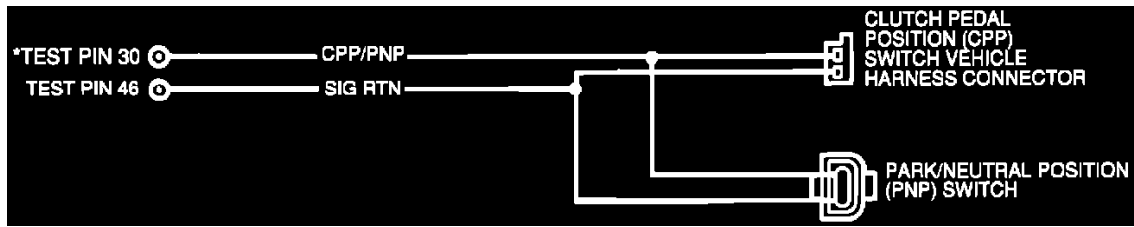
EEC-IV Wiring Schematic



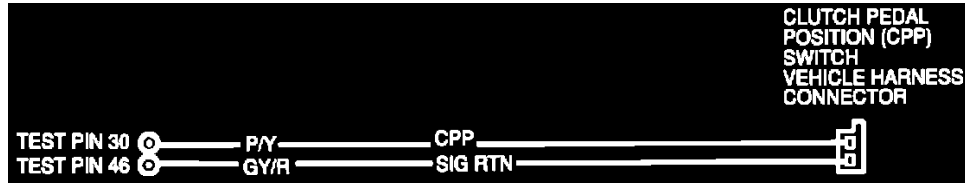
Brake On/Off (BOO) Signal

Camshaft Position Sensor

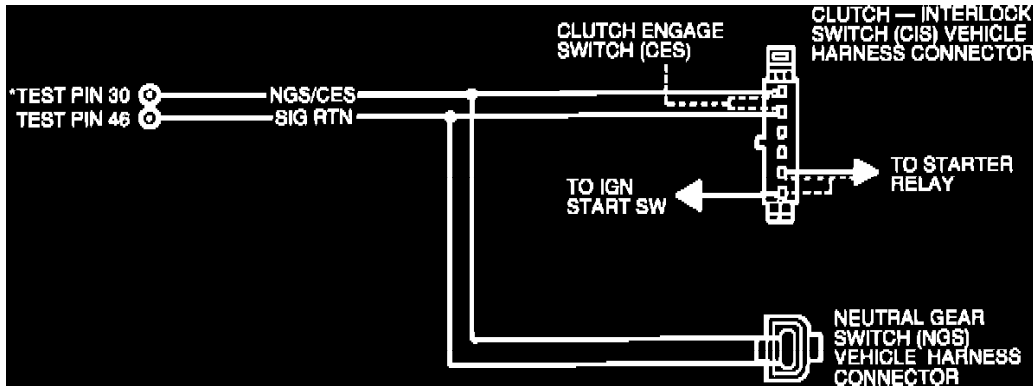
For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams



Schematic Diagram



CPP Diagram

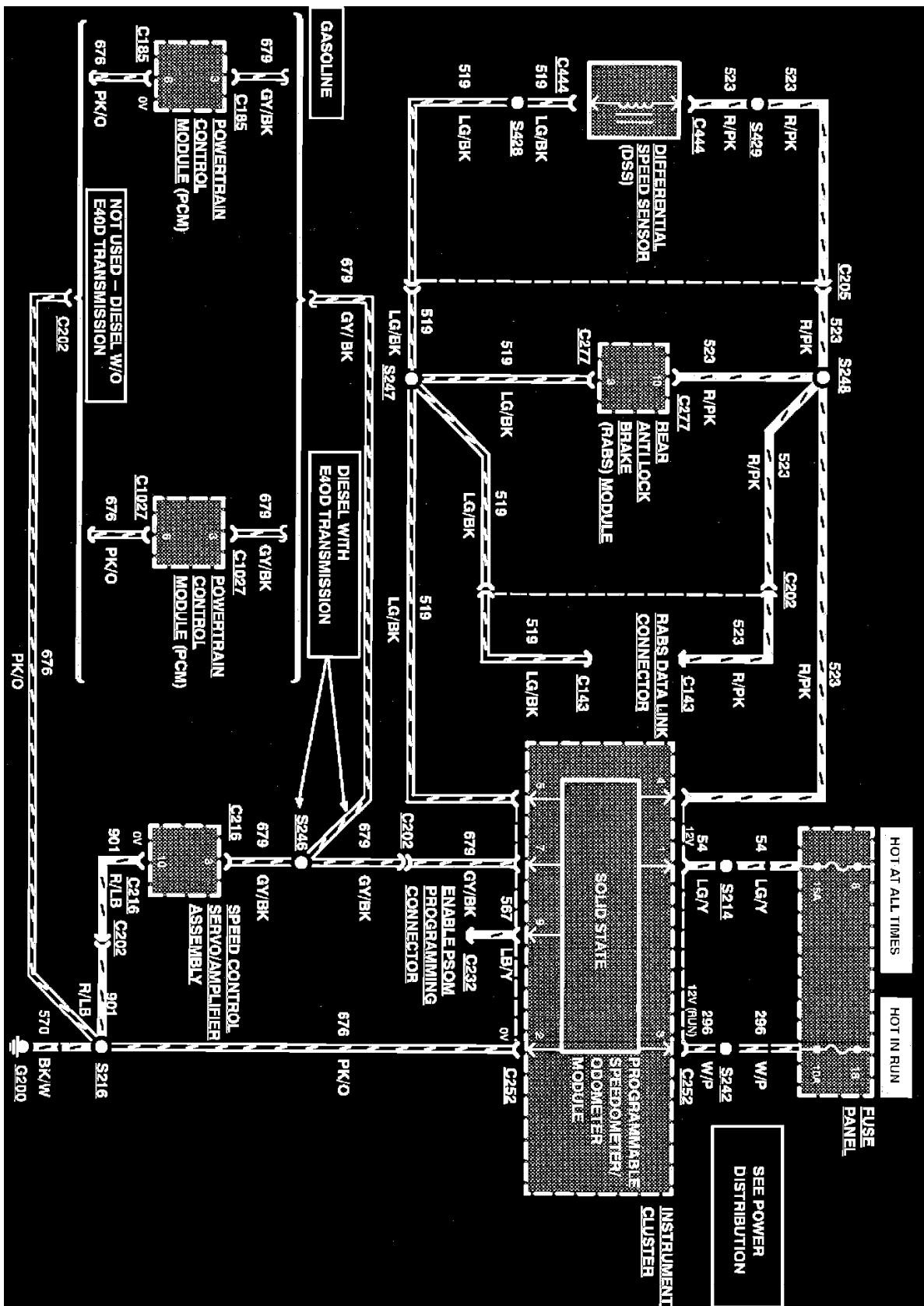


Neutral Drive Input

Crankshaft Position Sensor

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams
Engine Control Module

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams



Vehicle Speed Sensor

Emission Control Systems

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams **System Diagram**

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams

Carburetor

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams

Fuel Injector

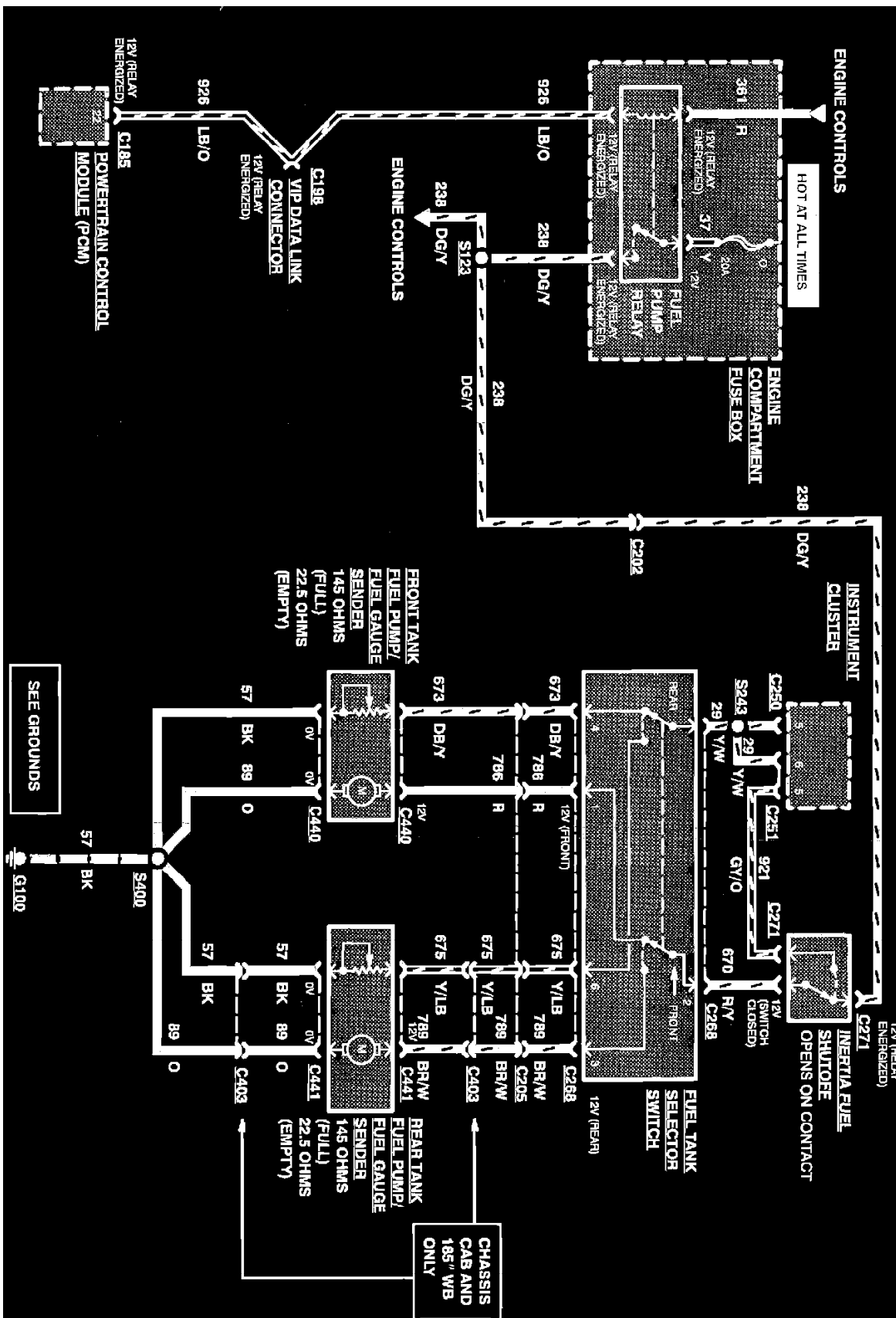
For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams

System Diagram

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams

Fuel Pump Relay

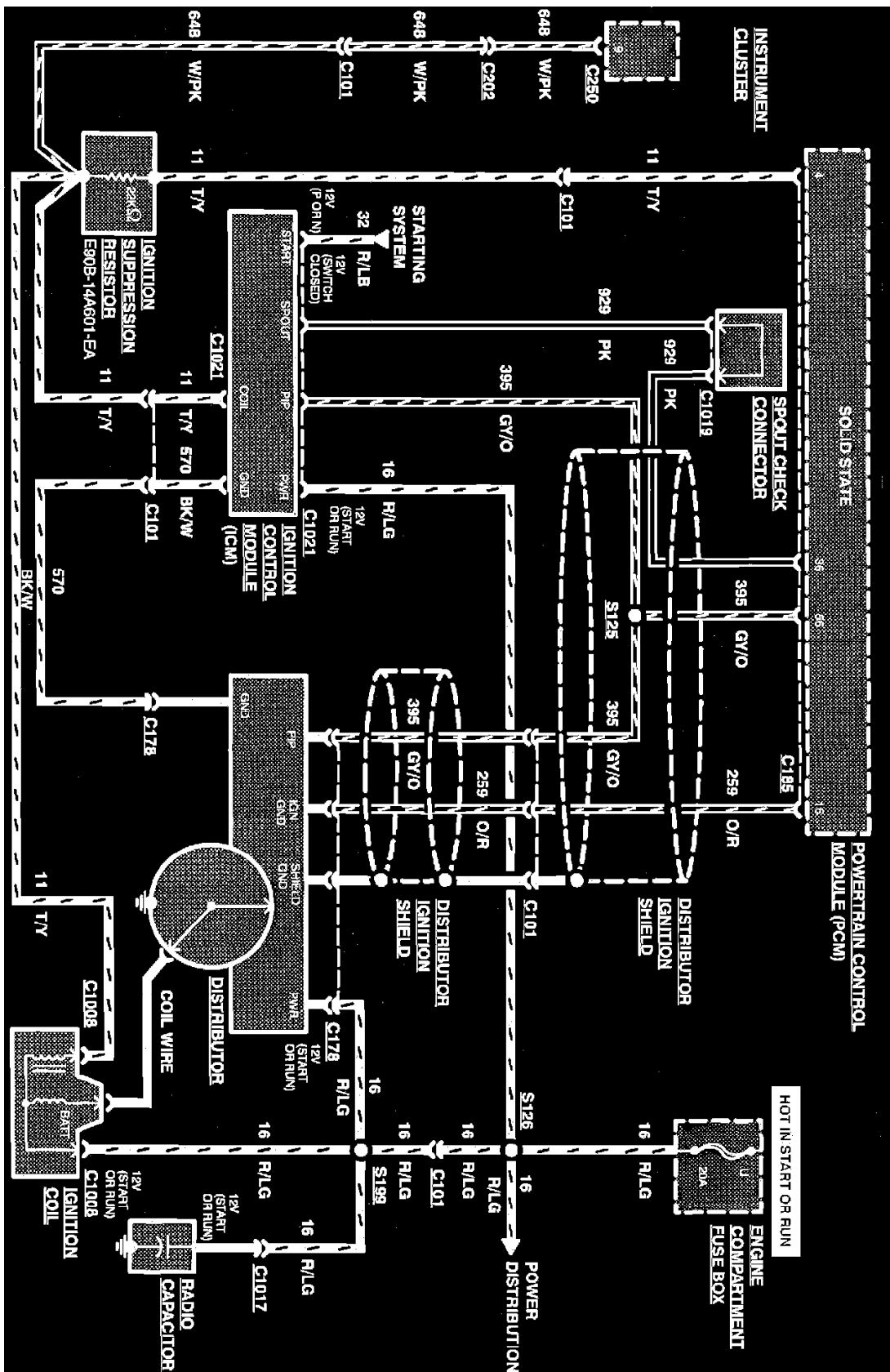
For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams



Fuel Tank Selector

Inertia Fuel Shutoff Switch

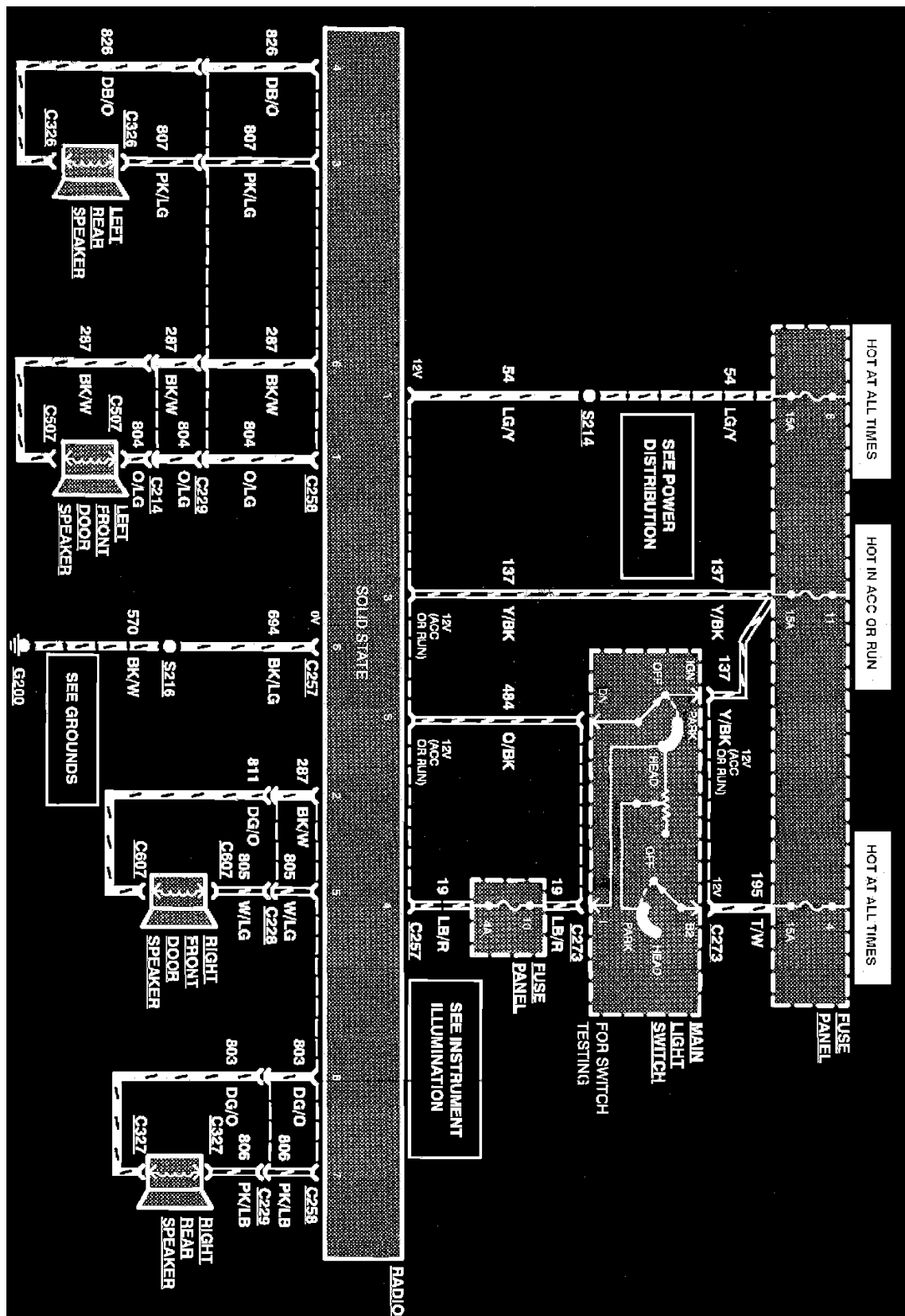
For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams



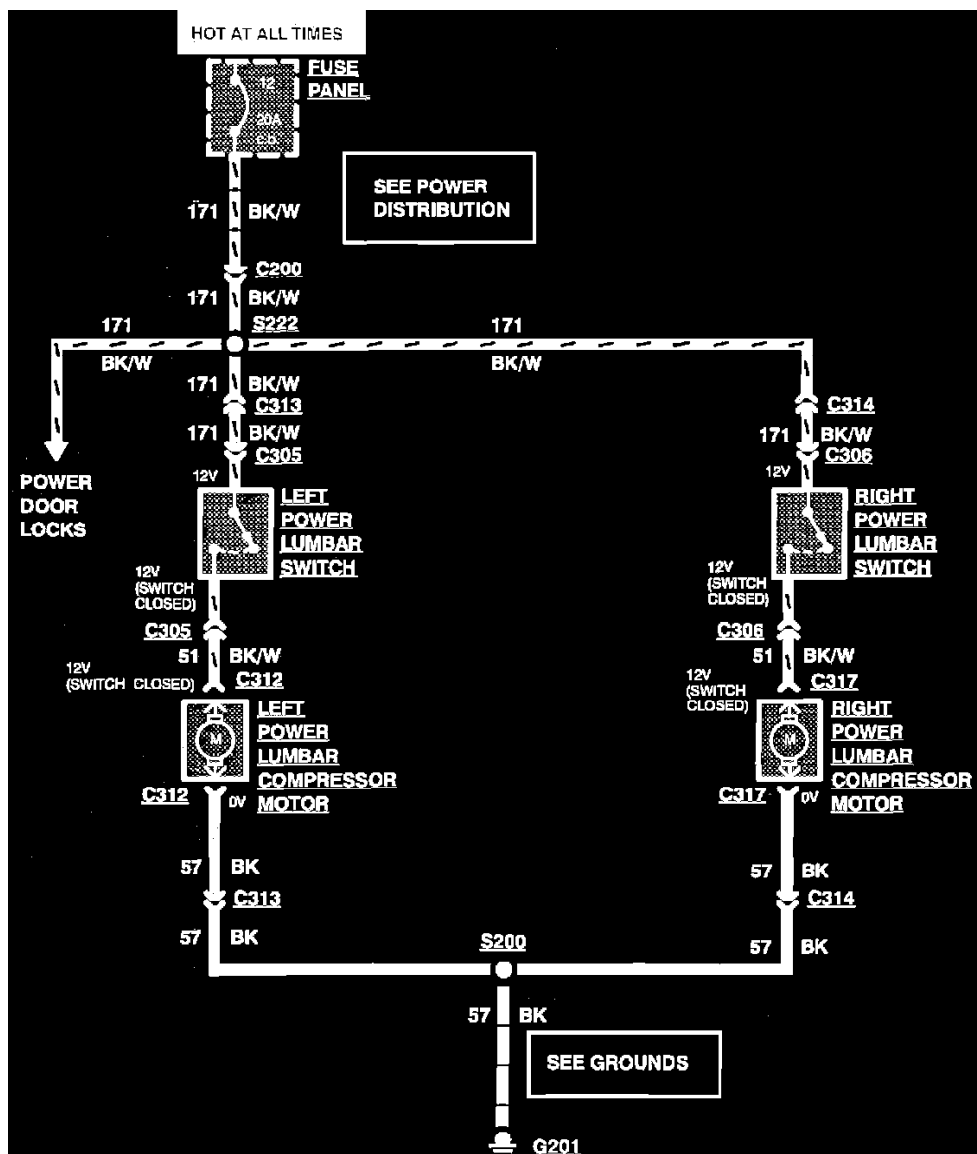
Ignition System

Powertrain Diagrams

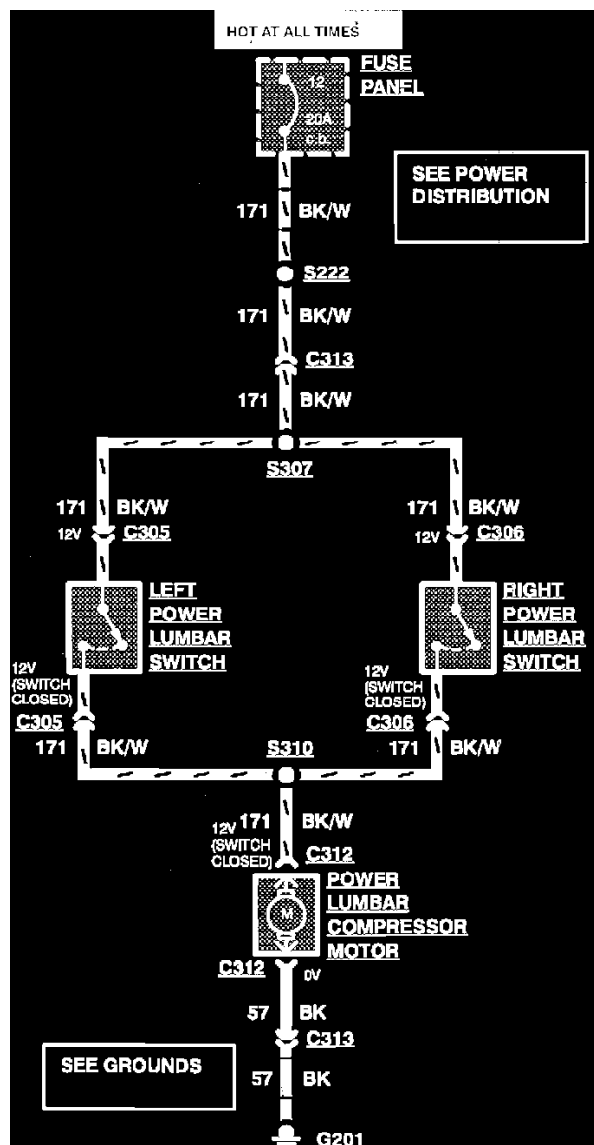
For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Powertrain Management/Diagrams



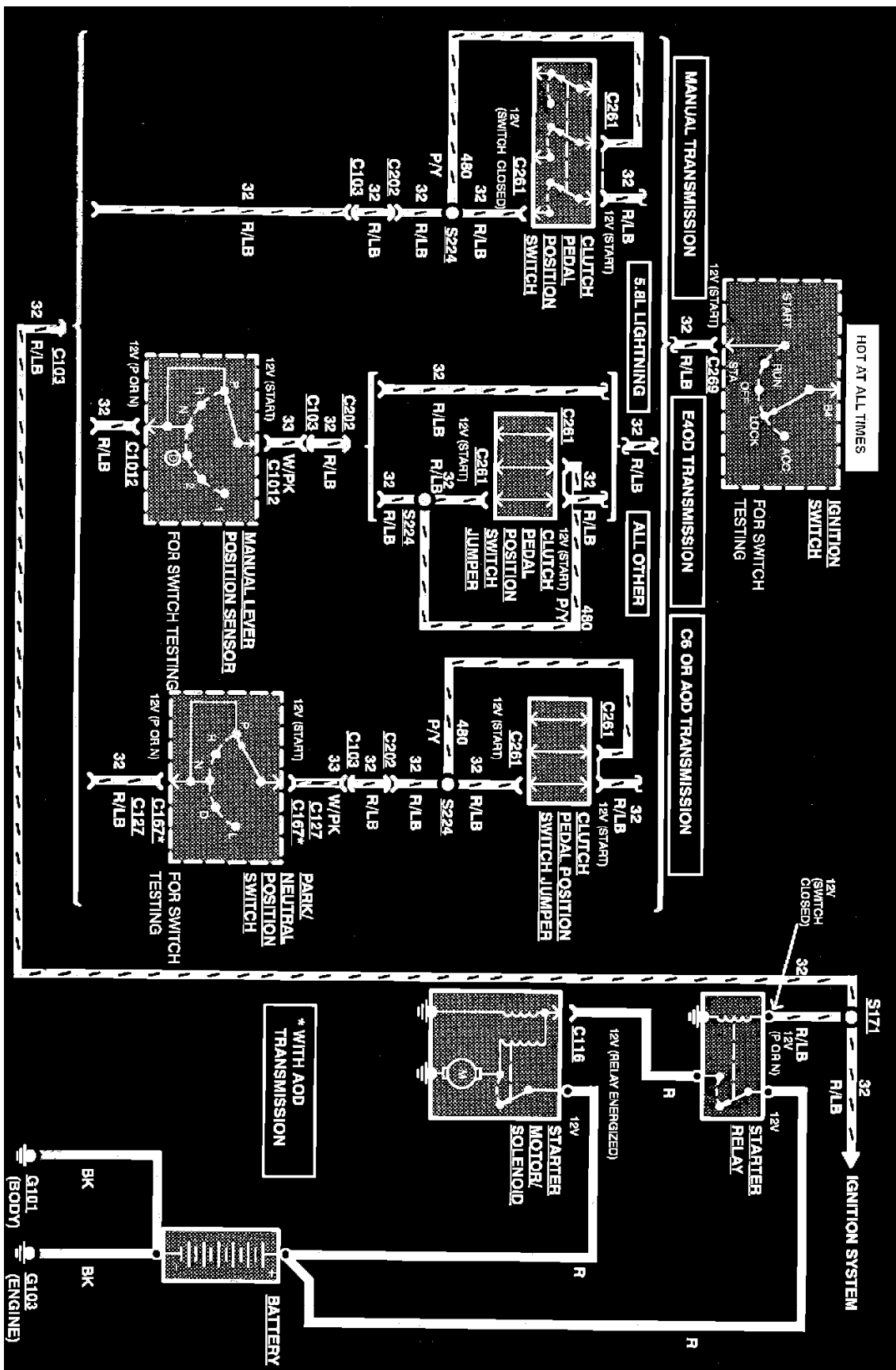
Radio



Power Lumbar Seats



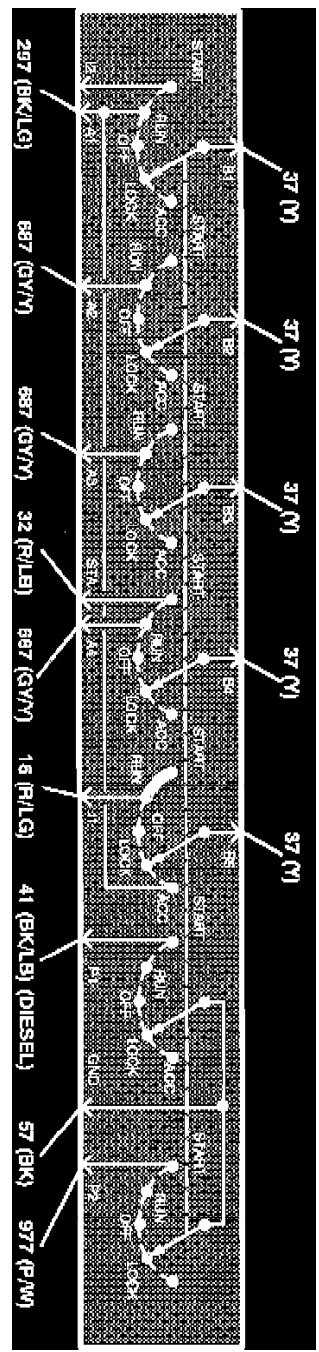
Power Lumbar Seats



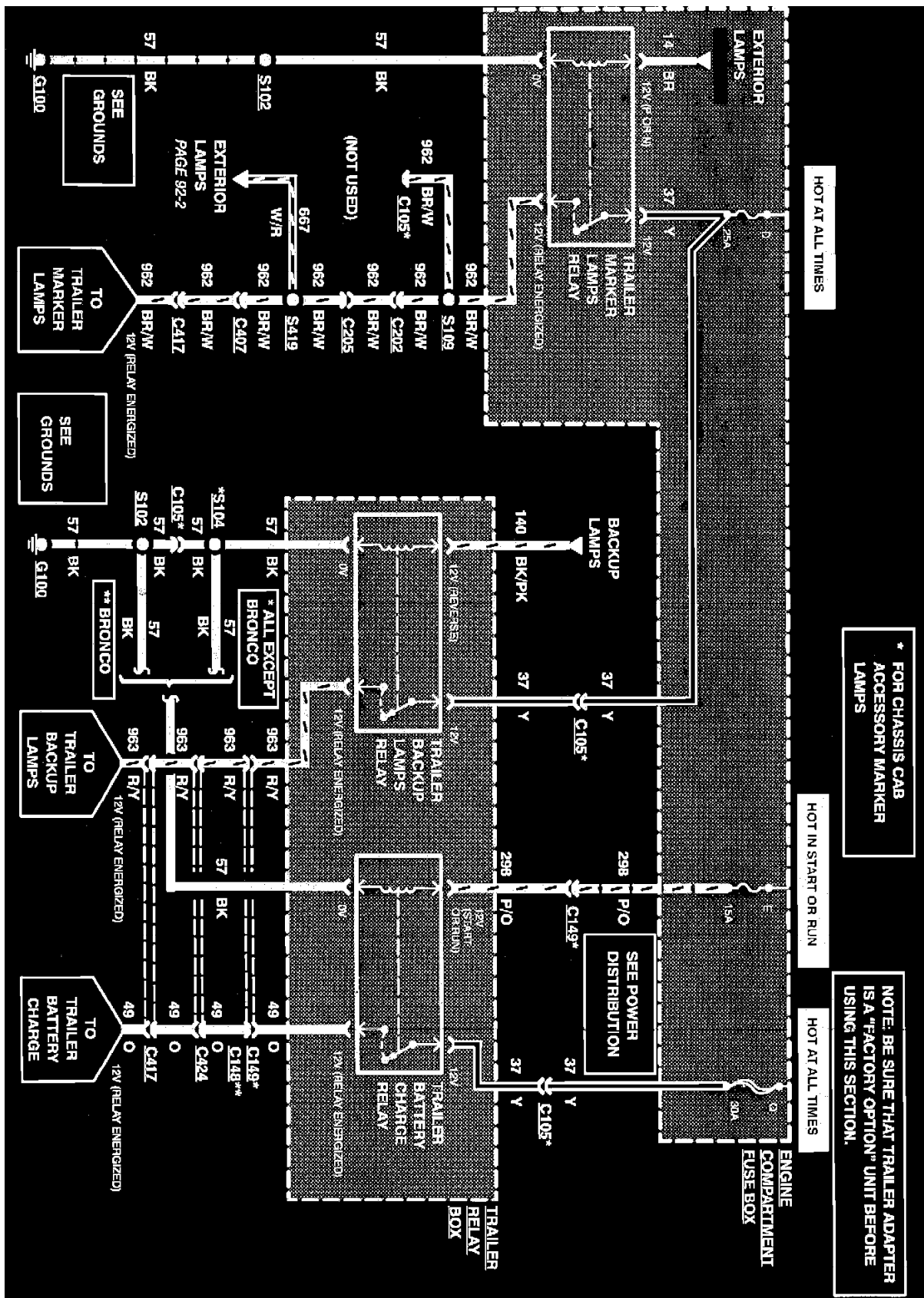
Starting System

Ignition Lock

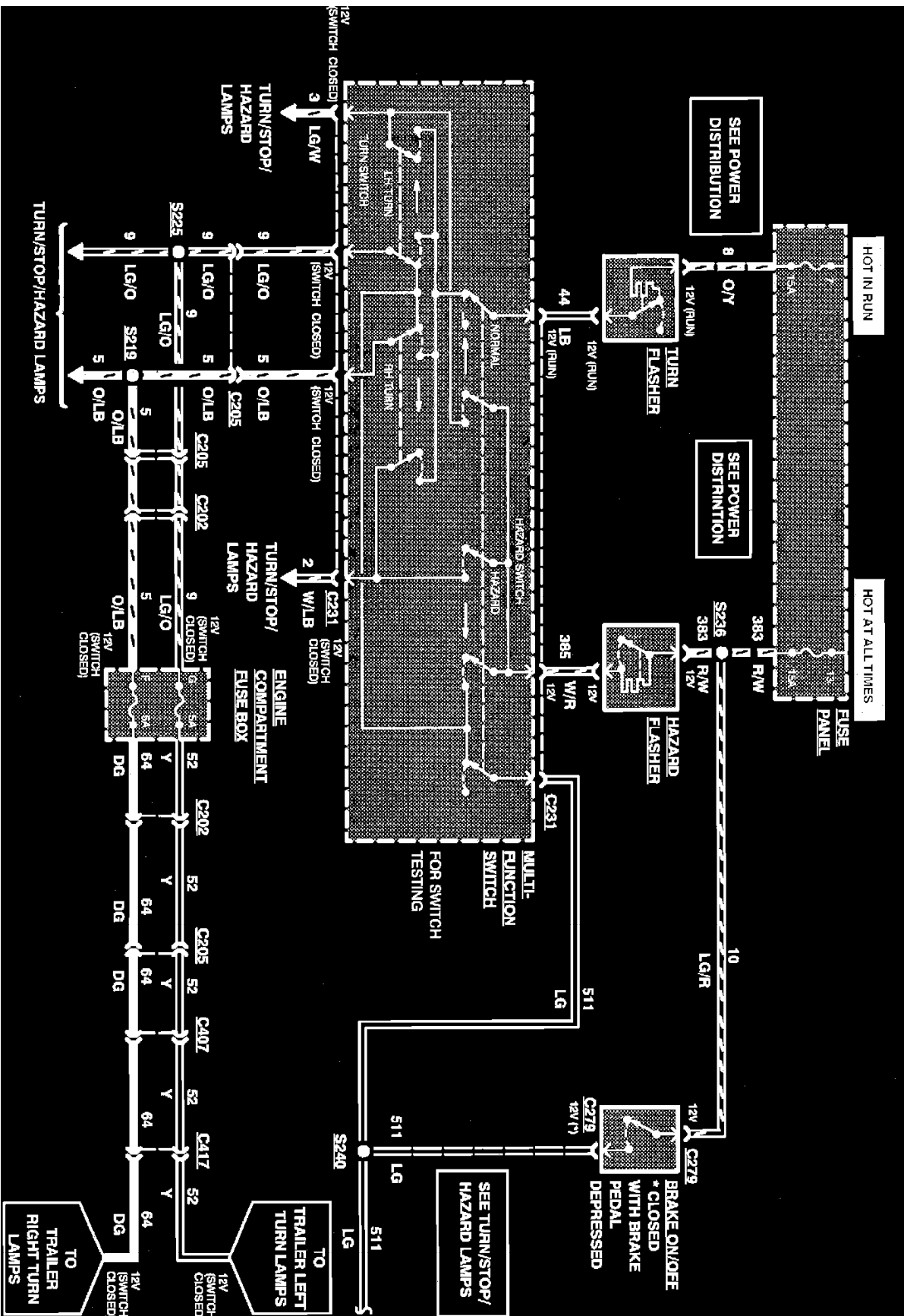
For Wiring Diagrams, please refer to: Starting System/Diagrams, See: Starting and Charging/Starting System/Diagrams



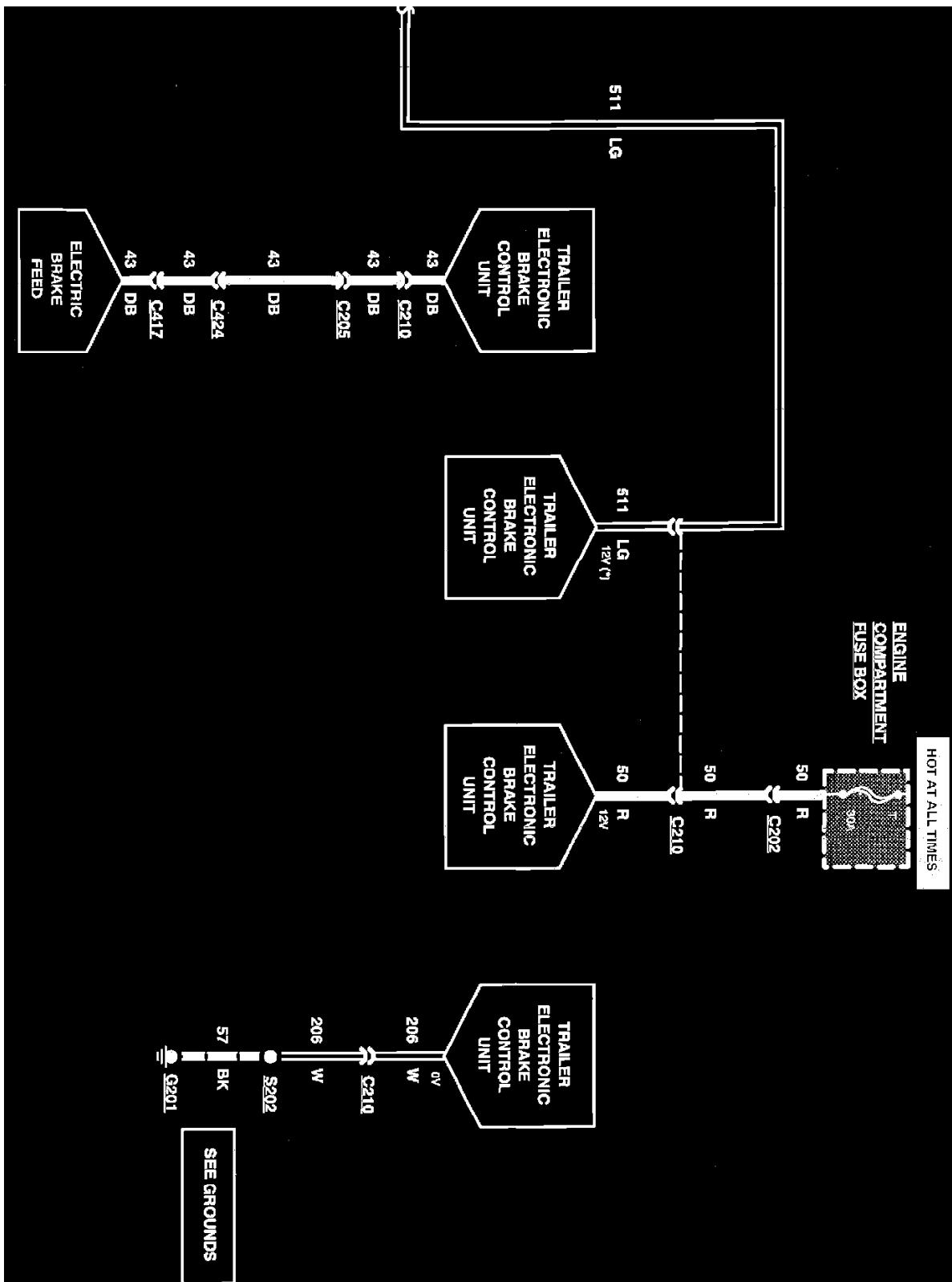
Schematic Ignition Switch



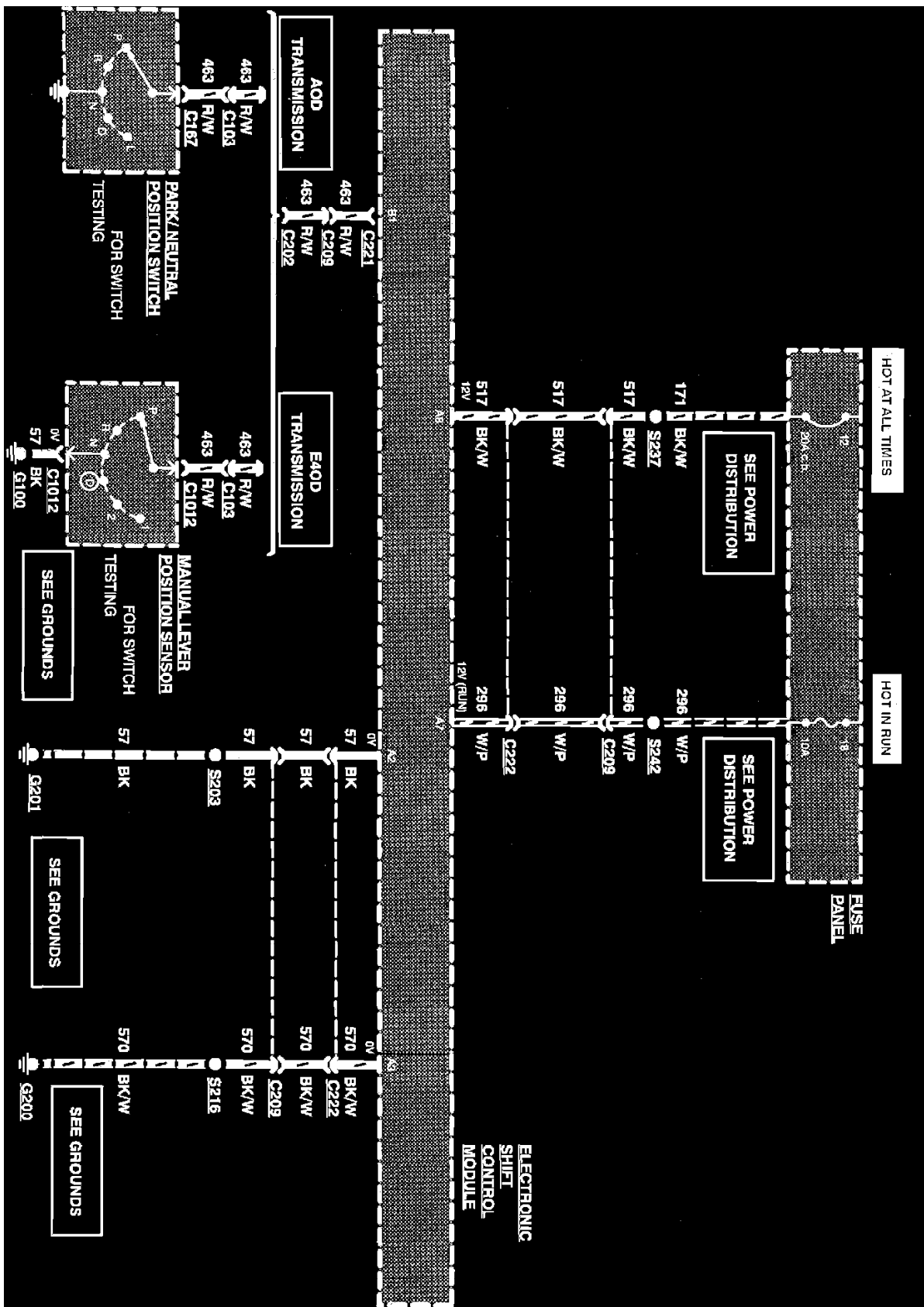
Trailer Adapter



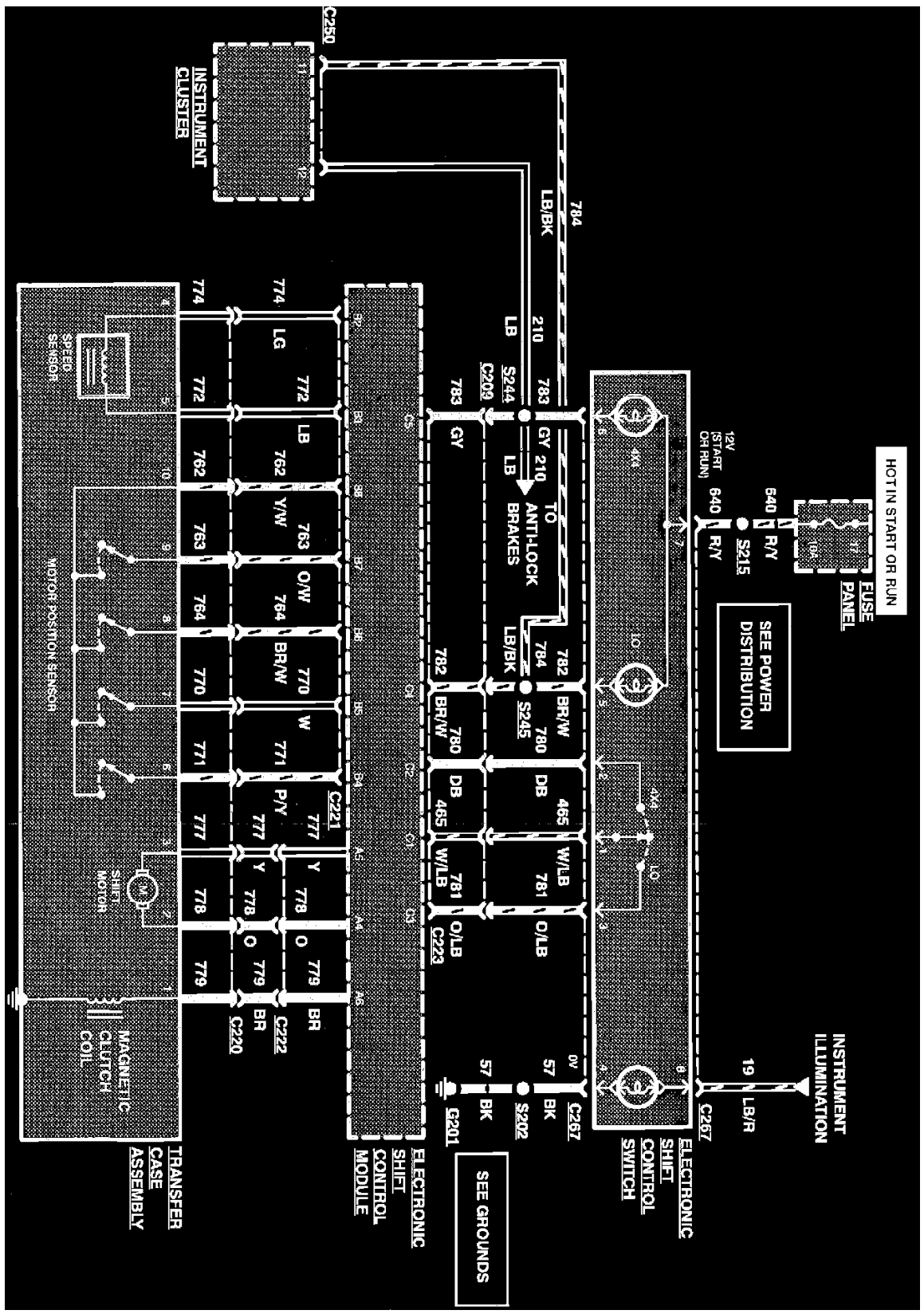
Trailer Adapter



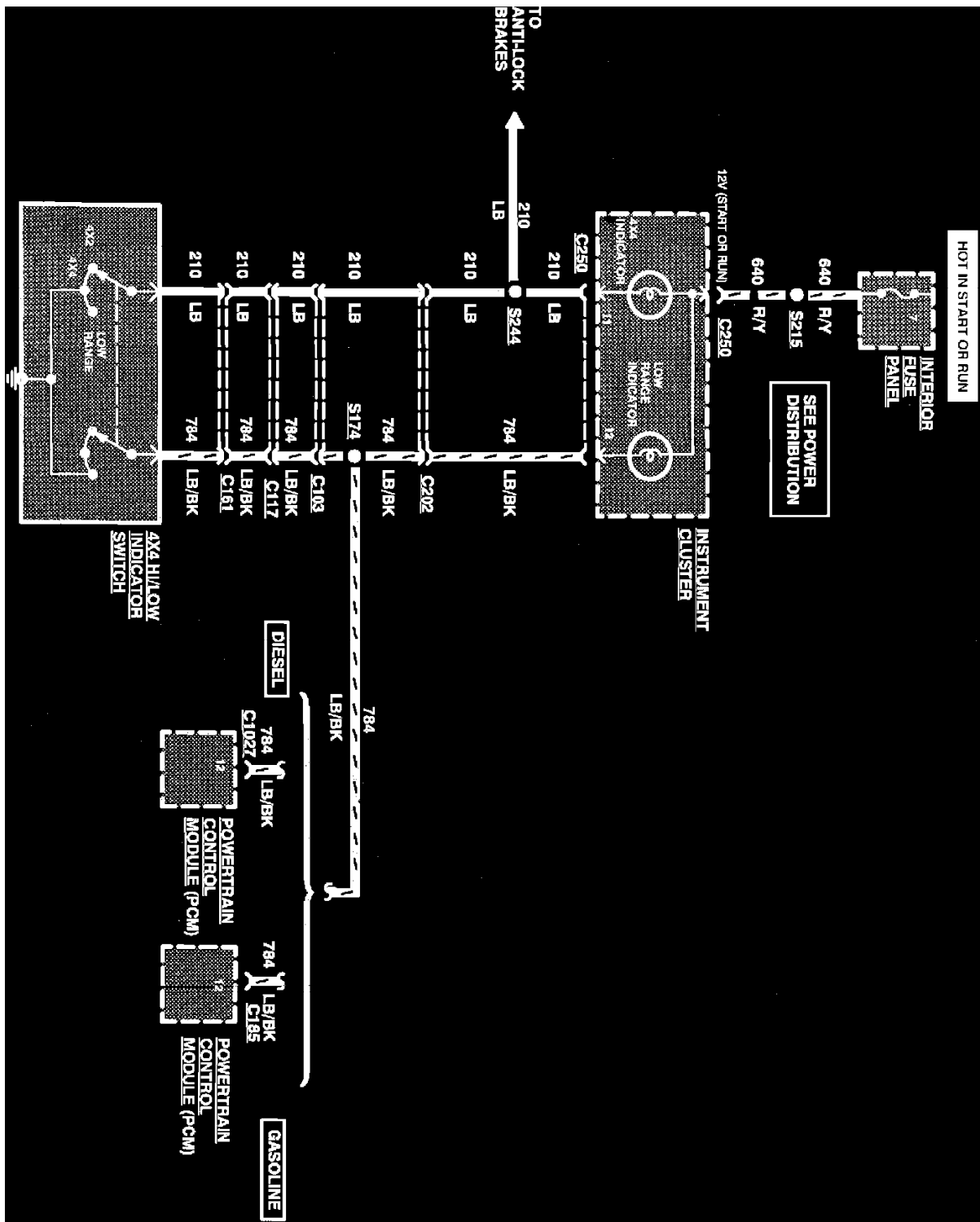
Trailer Adapter



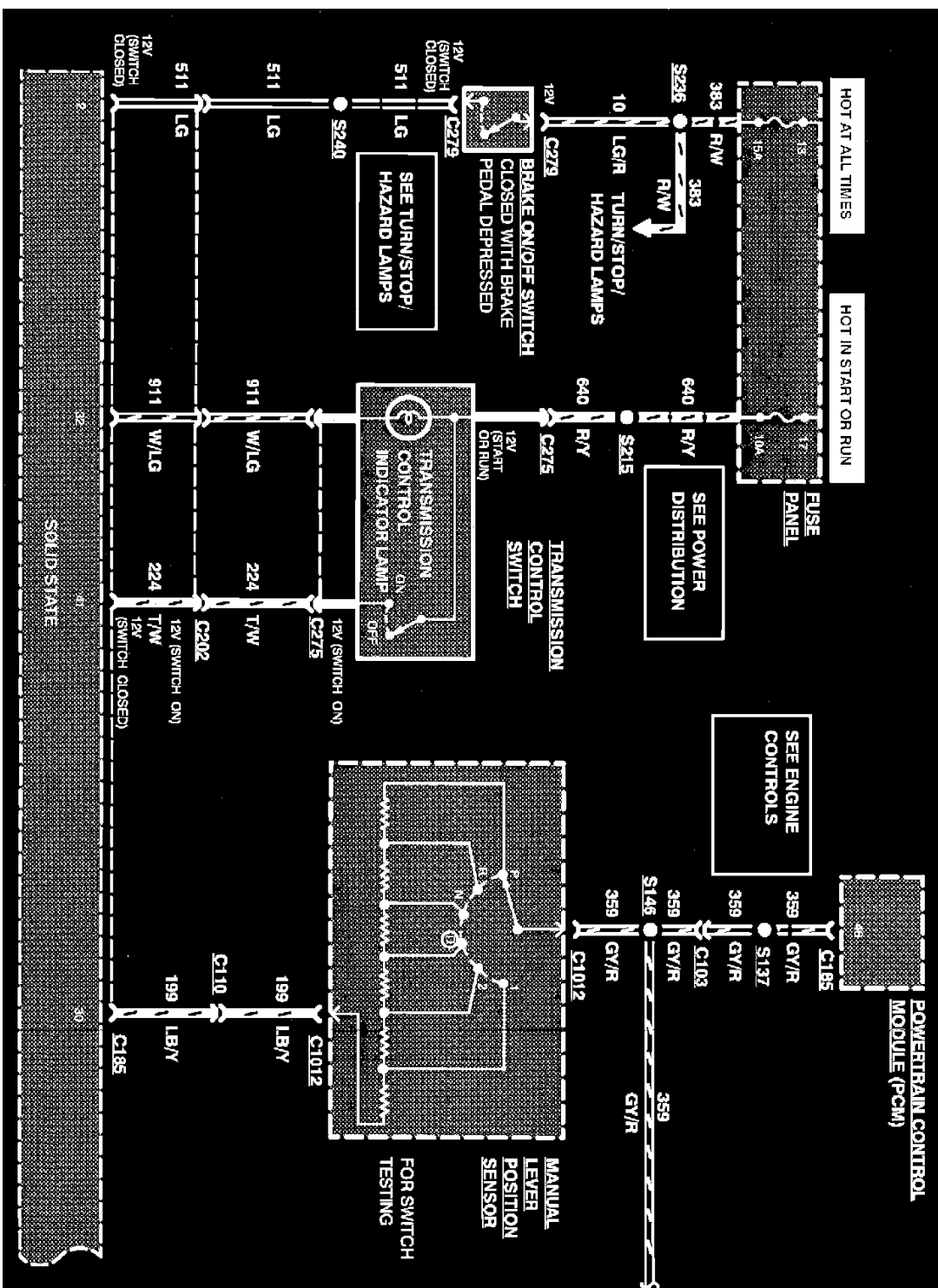
All Wheel Drive



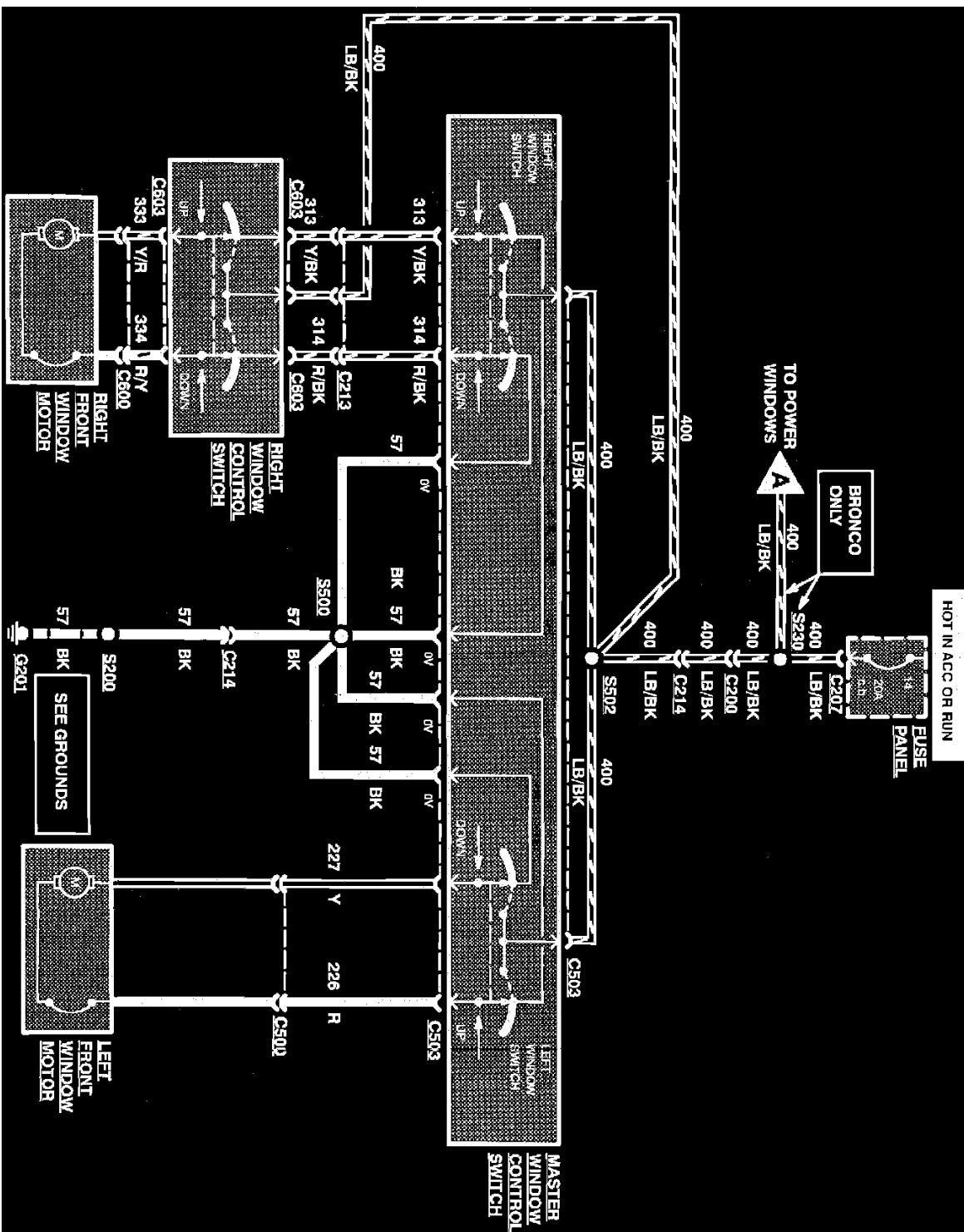
All Wheel Drive



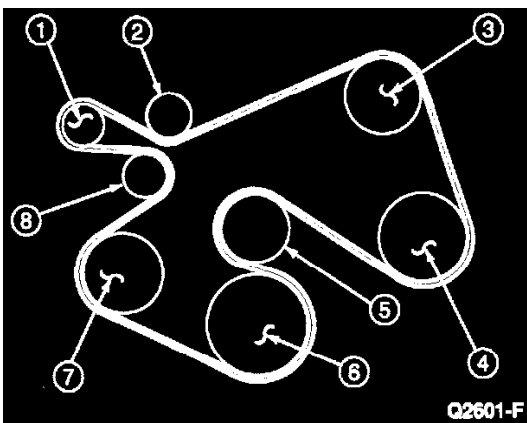
All Wheel Drive



E4OD Transmission

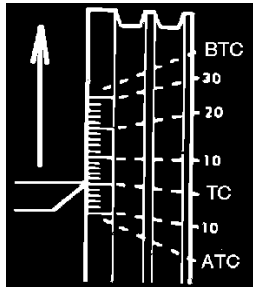


Power Windows

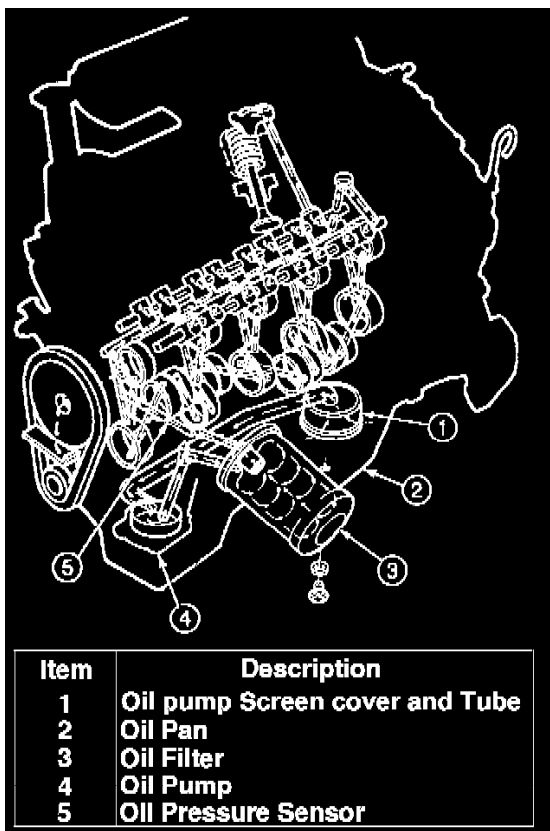


Q2601-F

Item	Description
1	Generator
2	Belt Idler Pulley
3	A/C Clutch Pulley, with A/C Belt Idler Pulley, Without A/C
4	Power Steering Pump Pulley
5	Water Pump Pulley
6	Crankshaft Pulley
7	Secondary Air Injection Pump Pulley
8	Drive Belt Tensioner

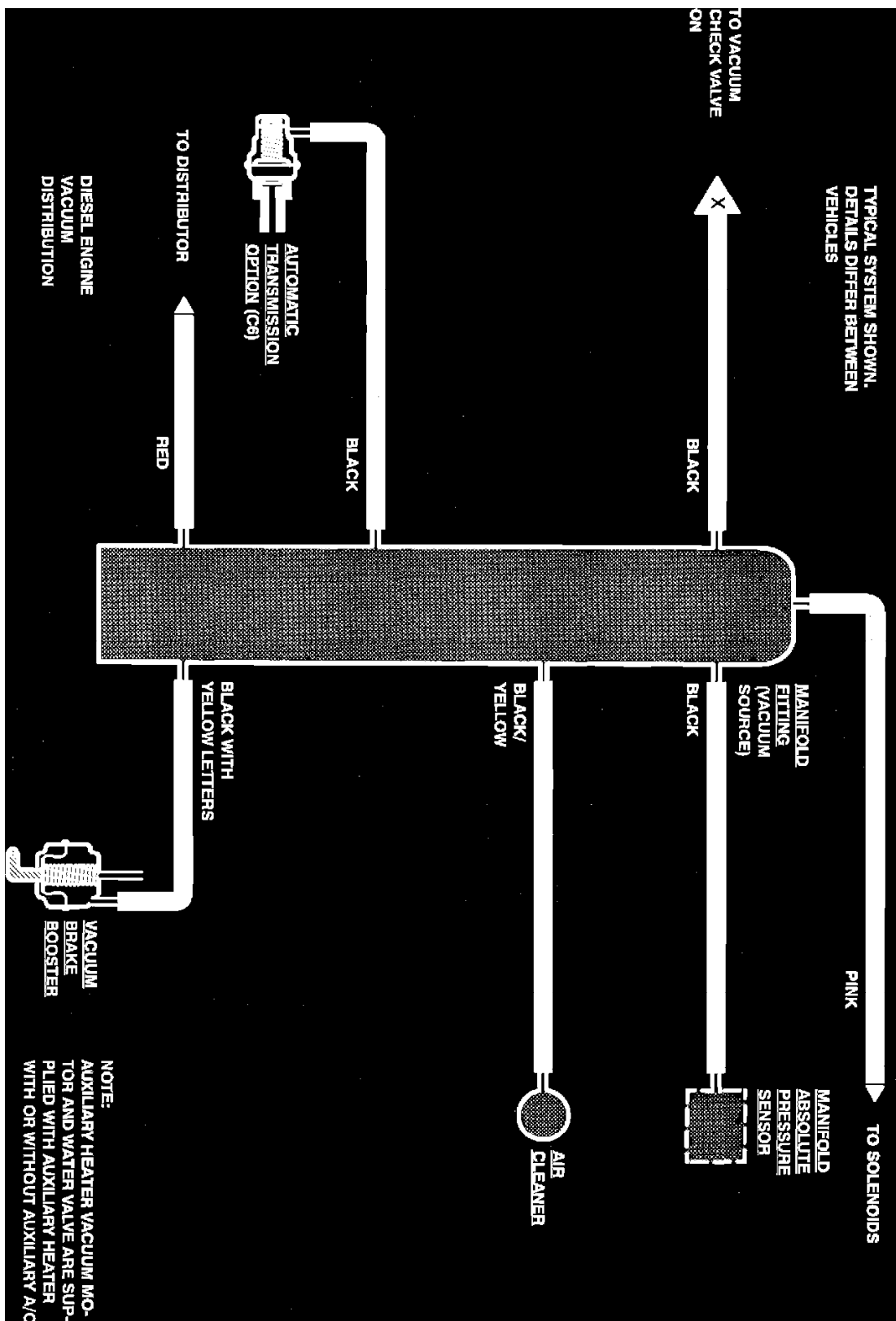


Engine Lubrication



5.0L/5.8L Lubrication System

The engine lubrication system is of the force-feed type in which oil is supplied under full pressure to the crankshaft and connecting rod bearings, valve tappets and camshaft bearings. From the valve tappets, a controlled volume of oil is supplied to the rocker arms through hollow push rods. All other moving parts are lubricated by gravity flow or splash.



Vacuum Distribution

Alphabetical Index

Calibration 2-64E-R11 JKB

See: Vacuum and Vapor Hose Diagrams/Emission Control Systems/Federal (49 States)

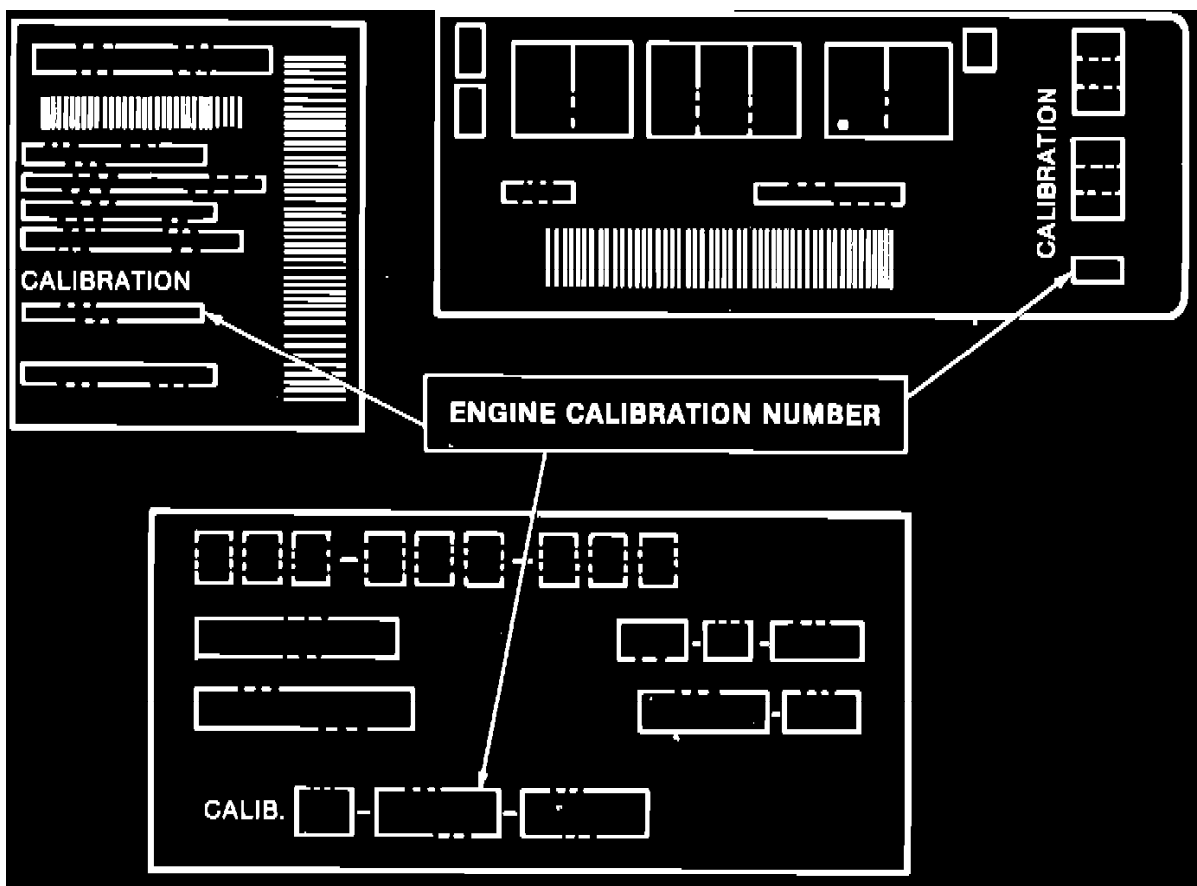
Calibration 2-64E-R11 JKD

See: Vacuum and Vapor Hose Diagrams/Emission Control Systems/Canada

Calibration 2-64E-R11 JKF

See: Vacuum and Vapor Hose Diagrams/Emission Control Systems/50 States

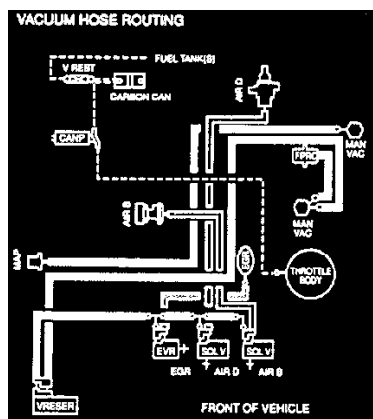
Note: Suggest to your customer that they contact the manufacturer to get a replacement underhood sticker.



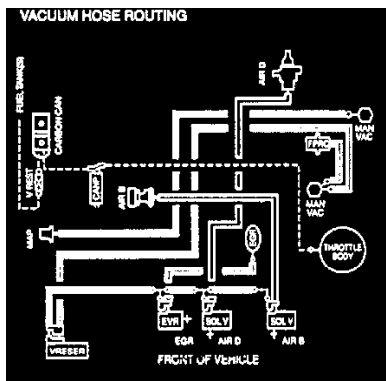
Engine Code Information Label

The calibration code sticker will be located on the driver's door or door pillar and will describe the emissions, for a listing of calibration codes, please refer to the Alphabetical Index. See: Vacuum and Vapor Hose Diagrams/Emission Control Systems/Alphabetical Index For a sample underhood sticker (VECI Decal) refer to emissions systems Application and ID. See: Powertrain Management/Emission Control Systems/Application and ID

California Models



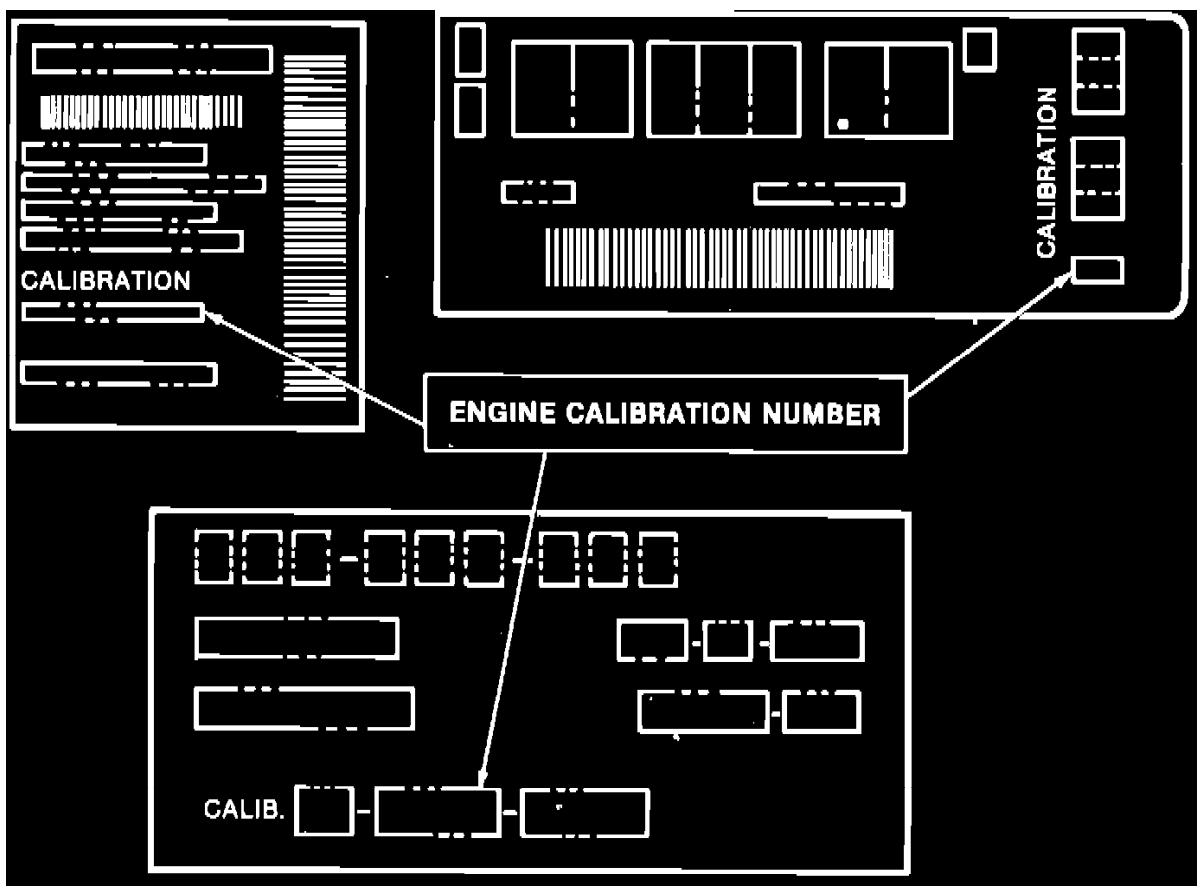
Calibration 2-64R-R11 JKG



Calibration 2-64S-R11 JKH

The first choice for an emissions vacuum diagram is the underhood sticker, presumably if you are reading this, the underhood sticker is not available to you, the calibration code will help.

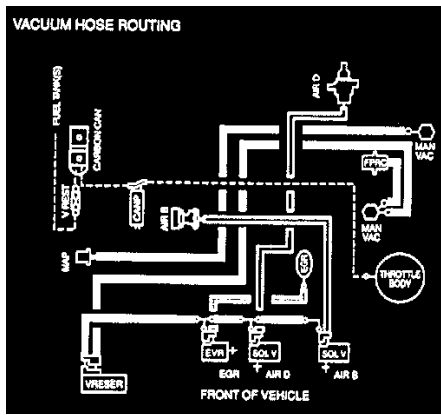
Note: Suggest to your customer that they contact the manufacturer to get a replacement underhood sticker.



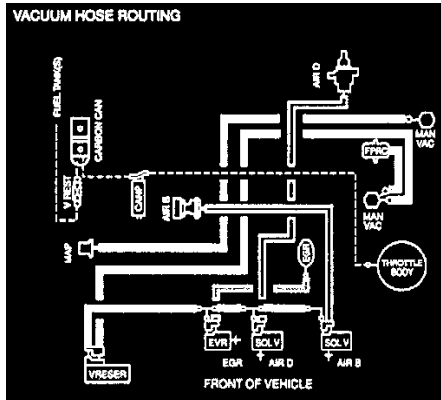
Engine Code Information Label

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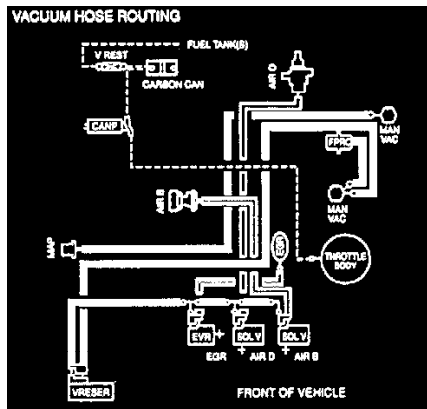
Federal (49 States)



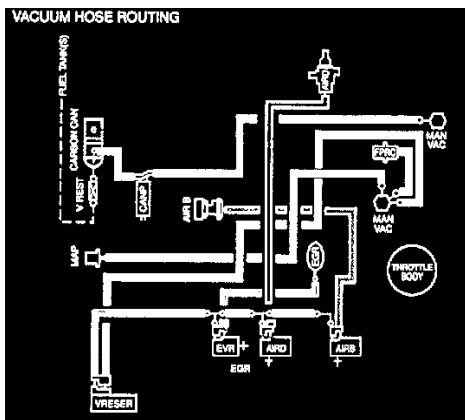
Calibration 2-64E-R11 JKB



Calibration 2-64H-R11 JKB



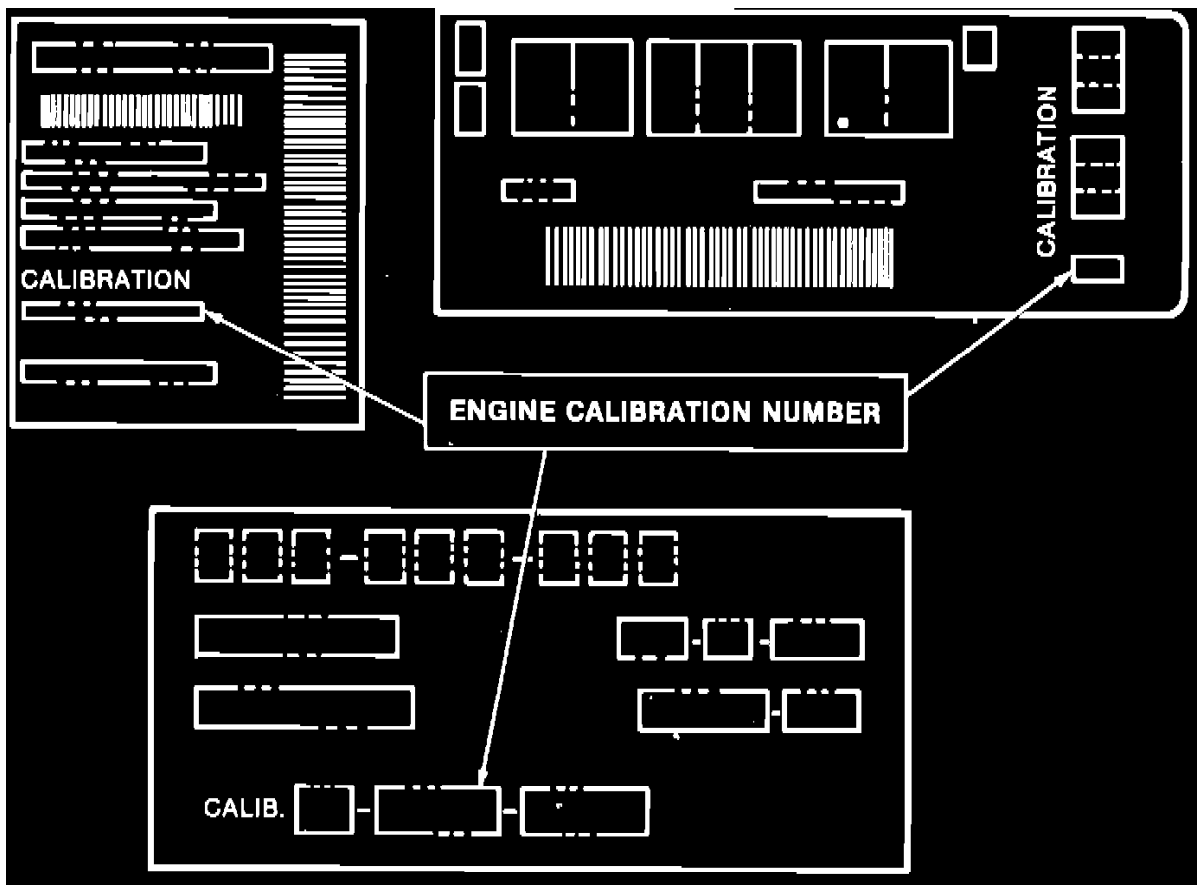
Calibration 2-64K-R11 JKC



Calibration 3-64G-R00 JKZ

The first choice for an emissions vacuum diagram is the underhood sticker, presumably if you are reading this, the underhood sticker is not available to you, the calibration code will help.

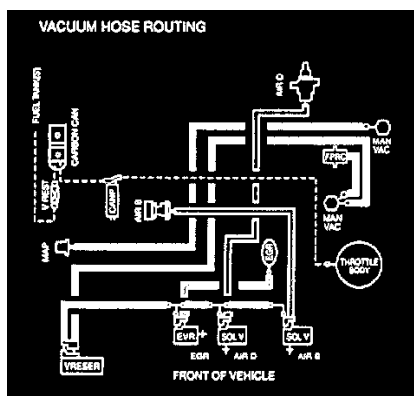
Note: Suggest to your customer that they contact the manufacturer to get a replacement underhood sticker.



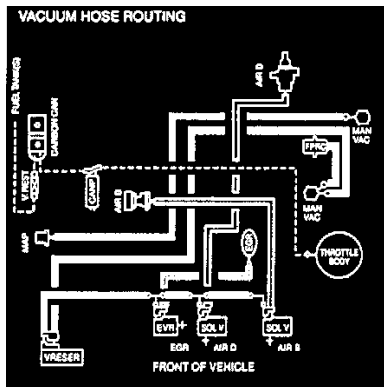
Engine Code Information Label

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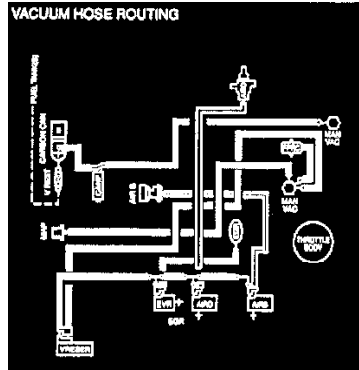
50 States



Calibration 2-64E-R11 JKF



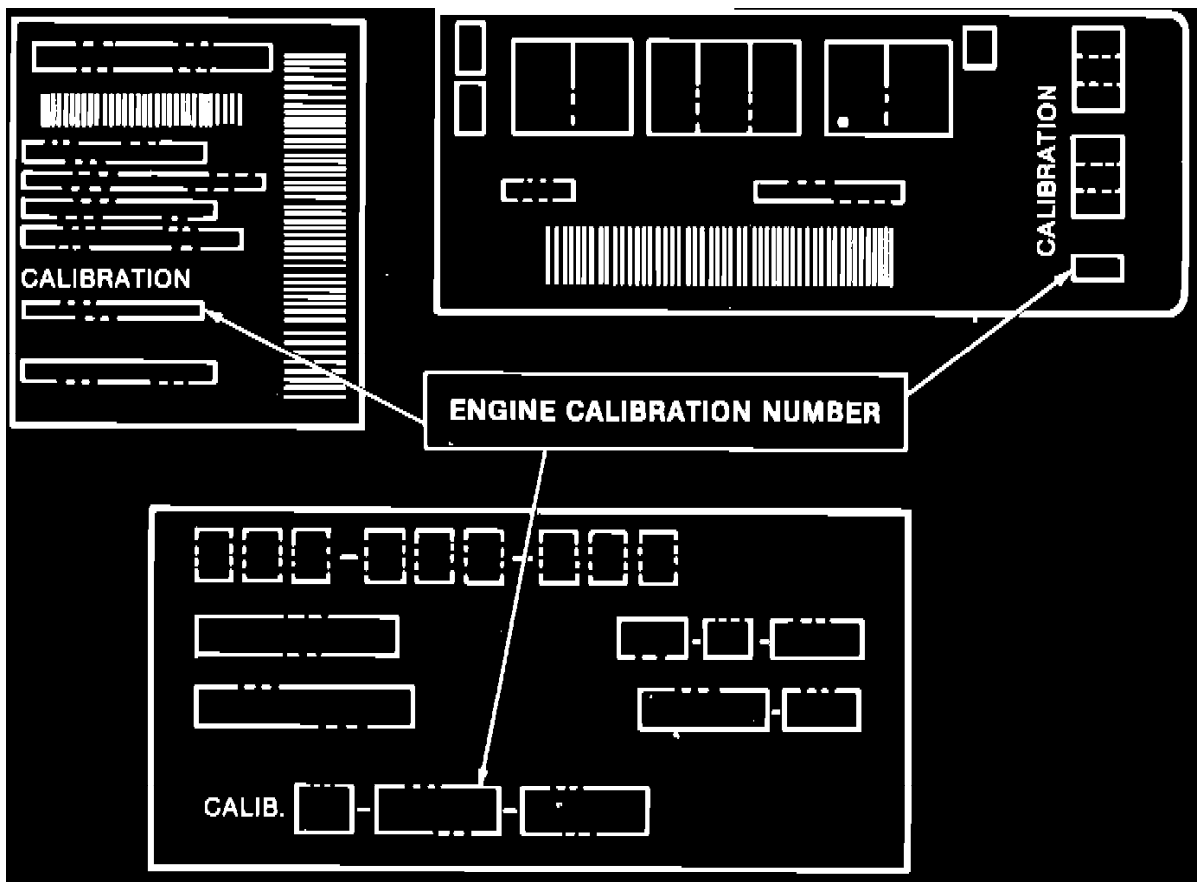
Calibration 2-64H-R11 JKF



Calibration 3-64G-R00 JLB

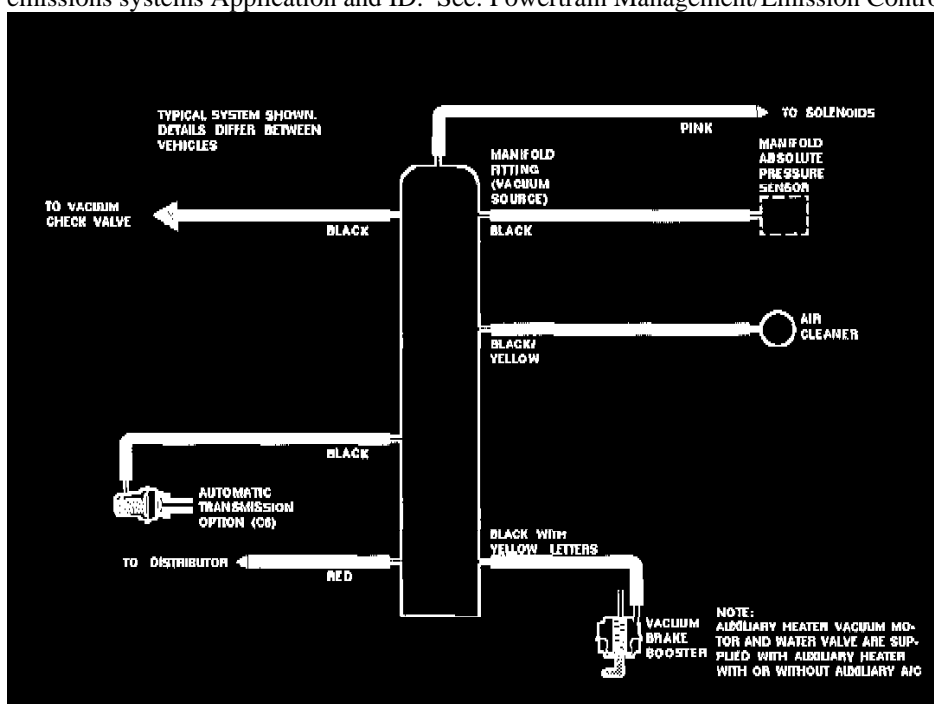
The first choice for an emissions vacuum diagram is the underhood sticker, presumably if you are reading this, the underhood sticker is not available to you, the calibration code will help.

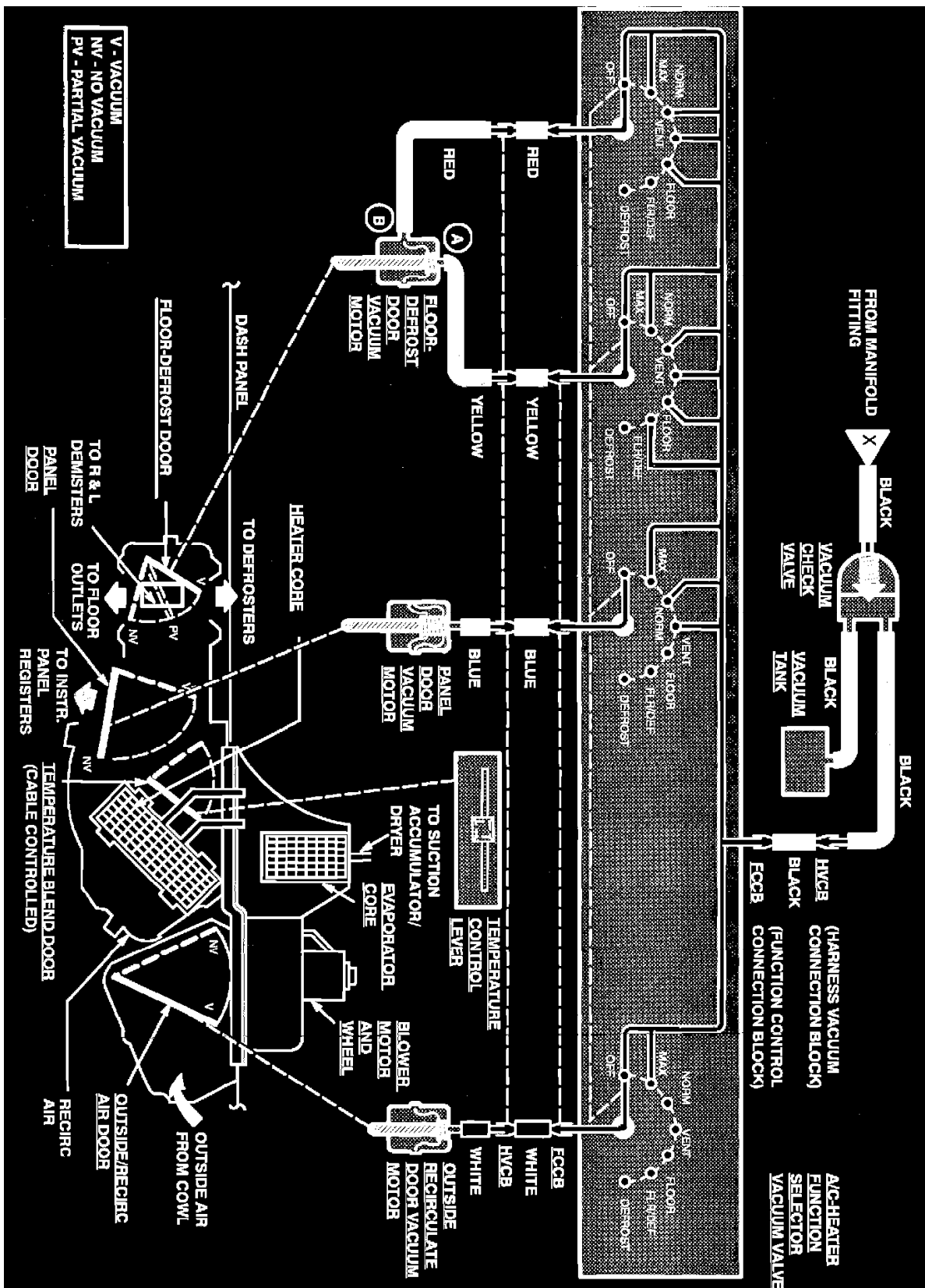
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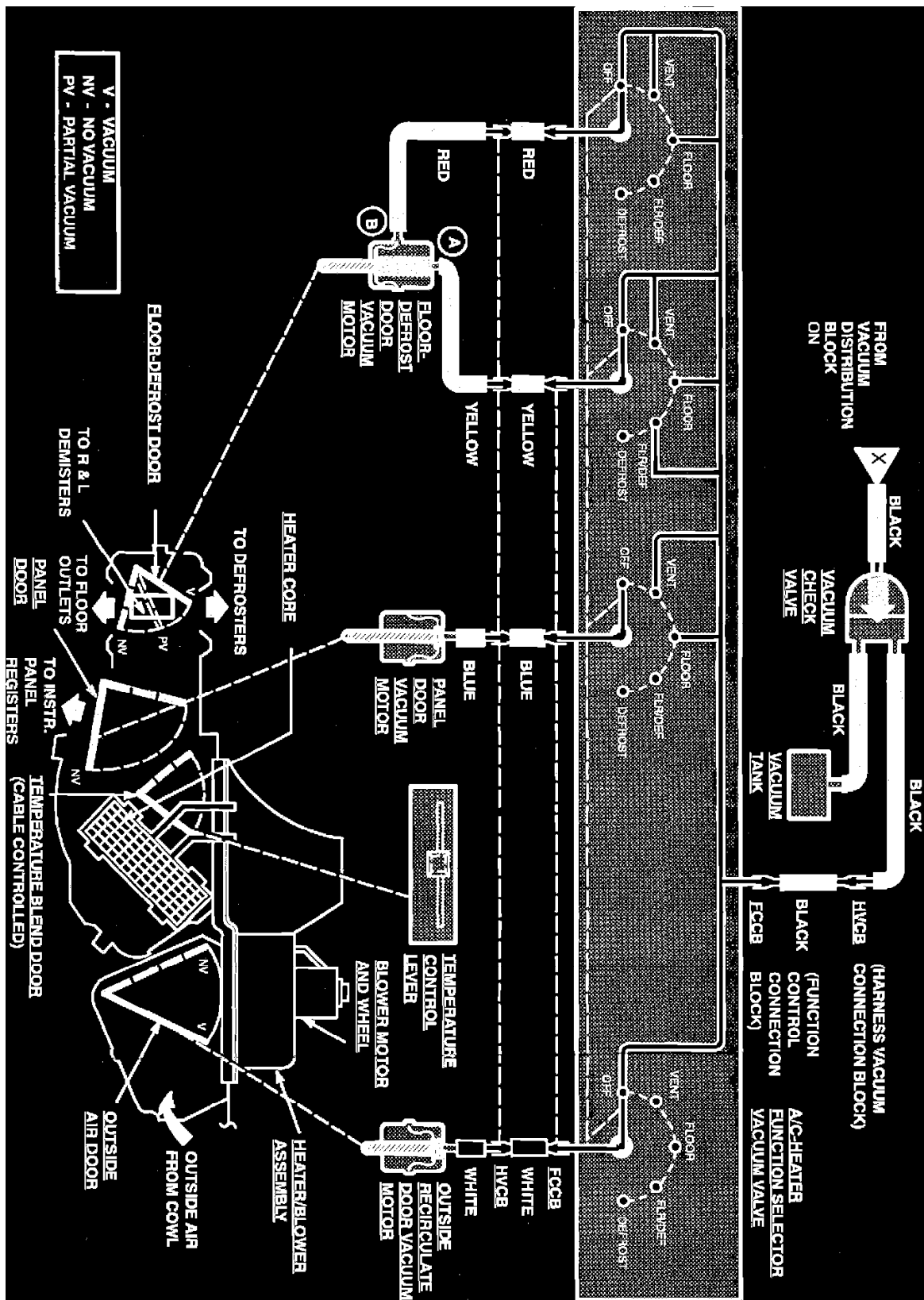
Engine Code Information Label

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Air Conditioner/Heater



Heater

Components

Component Name: Location --- Connector Number (CXXX)

* Denotes Information Not Available

4x4 Hi/Low Indicator Switch (AOD Transmission): Below vehicle, on front of transfer case --- C161

4x4 Hi/Low Indicator Switch (Borg-Warner T-18 Transmission): Below vehicle, on front of transfer case --- C161

4x4 Hi/Low Indicator Switch (C6 Transmission): Below vehicle, on front of transfer case --- C161

4x4 Hi/Low Indicator Switch (E4OD Transmission): Below vehicle, on front of transfer case --- C161

4x4 Hi/Low Indicator Switch (Mazda M50D Transmission): Below vehicle, on front of transfer case --- C161

4x4 Hi/Low Indicator Switch (S5-42 ZF Transmission): Below vehicle, on front of transfer case --- C161

Acceleration Sensor: On rear axle --- C402

A/C Clutch Cycling Pressure Switch: RH rear of engine compartment, on accumulator --- C162

A/C Clutch Field Coil: LH front of engine --- C163

A/C Clutch Resistor Diode: LH side of engine compartment, taped to harness, near C101 --- *

A/C-Heater Control Assembly: Center of I/P --- C296

Ashtray Illumination: Lower center of I/P in ashtray assembly --- C293

Auxiliary Power Socket: Lower center of I/P --- C234, C235

Backup Lamp Switch (Borg-Warner T-18 Transmission): Below center of vehicle, top of transmission --- C166

Backup Lamp Switch (Mazda M50D Transmission): Below center of vehicle, top LH side of transmission --- C166

Backup Lamp Switch (S5-42 ZF Transmission): Below center of vehicle, top LH side of transmission --- C166

Backup Lamps (All Except Chassis Cab): Rear of vehicle, on respective sides --- C433, C434

Backup Lamps (Chassis Cab): Rear of vehicle, on respective sides --- C447, C448

Barometric Pressure (BARO) Sensor: Top RH side of safety well --- C1011

Blower Motor: RH side of safety wall --- C168

Blower Motor Resistor: RH side of safety wall, on plenum --- C169

Blower Motor Switch: Center of I/P --- C260

Brake Fluid Level Switch: LH rear of engine compartment, on brake fluid reservoir --- C170

Brake ON/OFF Switch: Behind LH side of I/P, top LH side of brake/clutch pedal support --- C279

Brake Pressure Switch: Near LH front rail, below drivers floor pan --- C102

Brake Warning Resistor/Diode Assembly: LH rear of engine compartment, taped in harness near C202 --- *

Brush Assembly: Top of steering column, below steering wheel --- C219

Cab Marker Lamps: Top front of cab roof --- C900, C901, C902, C903, C904

Canister Purge Solenoid: RH front of engine --- C171

Cargo lamp: On top rear of cab --- C910

Charge Indicator Lamp Relay: RH side of engine compartment, on wheelwell, below starter relay --- C172

Cigar Lighter: Lower center of I/P, in ashtray assembly --- C294, C295

Clutch Pedal Position (CPP) Switch: Behind LH side of I/P top RH side of brake/clutch pedal support --- C261

Clutch Pedal Position (CPP) Switch Jumper: Behind LH side of I/P taped to main harness, near steering column --- C261

Cold Idle Solenoid: Top center front of engine --- C174

Cold Timing Advance Solenoid: Top center front of engine --- C175

Coolant Temperature Sender: Top LH front of engine --- C150

Daytime Running Lamps (DRL) Jumper: Front LH side of lower radiator support --- C177

Daytime Running Lamps (DRL) Module: Front LH side of lower radiator support --- C177

Differential Speed Sensor (DSS): Below rear of vehicle, on rear axle --- C444

Distributor: Top center front of engine --- C178

Dome Lamp: Center of roof --- C905, C906

E4OD Transmission: Below center of vehicle --- C1048

EGR Control Solenoid: Top LH side of engine, on ignition coil support bracket --- C180

EGR Vacuum Regulator (EVR) Solenoid: LH side of engine compartment --- C181

EGR Valve Position (EVP) Sensor: Top RH front of engine --- C182

Electronic Shift Control Module: Behind RH cowl panel --- C221, C222, C223

Electronic Shift Control Switch: Top LH side of I/P right of instrument cluster --- C267

Enable PSOM Programming: Behind lower RH side of I/P below glove compartment --- C232

Engine Compartment Fuse Box: LH side of engine compartment, on top front of wheel well --- *

Engine Compartment Lamp: LH underside of engine compartment hood --- C1035

Engine Coolant Temperature (ECT) Sensor: Center front of engine, on thermostat housing --- C183

Engine Speed Sensor: Top LH front of engine --- C184

Engine Temperature Switch: Top RH front of engine --- C186

Fog Lamps: Lower front of vehicle, on respective side --- C113, C114

Fog Lamps Switch: RH side of I/P right of steering column --- C2C6

Front Park/Turn Lamps: Front of vehicle, on respective sides --- C1031, C1032

Front Side Marker Lamps: Front of vehicle, on respective sides --- C1054, C1055, C1052, C1053

Front Tank Fuel Gauge Sender: Below RH center of vehicle, in front fuel tank --- C421

Front Tank Fuel Pump/Fuel Gauge Sender: Below RH center of vehicle, in front fuel tank --- C440

Fuel Injectors: Top of engine, in lower intake manifold, at respective cylinders --- C190, C191, C192, C193, C194, C195, C196, C197

Fuel Pump/Fuel Gauge Sender: Top RH side of fuel tank --- C441

Fuel Shutoff Solenoid: Top center front of engine --- C1000

Fuel Tank Selector Switch: Top LH side of I/P RH side of main light switch --- C268

Fuel Tank Selector Valve: Under LH center of vehicle, on LH frame rail --- C423

Fuse Link A: Front of RH fender apron, at starter relay --- *

Fuse Link B: Front of RH fender apron, at starter relay --- *

Fuse Link C: LH side of engine compartment, in engine compartment fuse box --- *

Fuse Link D: LH side of engine compartment, in engine compartment fuse box --- *

- Fuse Link J:** Front of RH fender apron, at starter relay --- *
- Fuse Panel:** Behind lower LH side of I/P left of steering column --- C207
- Glove Compartment Lamp:** Behind RH side of I/P in glove compartment --- C292
- Hazard Flasher:** Behind LH side of I/P on front of fuse panel --- *
- Headlamps:** Front of vehicle, on respective sides --- C1033, C1034
- Heated Oxygen Sensor (HO2S) (Under 8500 GVW):** Lower RH rear of engine compartment, in exhaust manifold --- C1025
- Heated Oxygen Sensor (HO2S) (Over 8500 GVW) (C6 Transmission):** Below RH side of vehicle, in exhaust pipe --- C1025
- Heated Oxygen Sensor (HO2S) (Over 8500 GVW) (E4OD Transmission):** Below RH side of vehicle, in exhaust pipe --- C1025
- Heated Oxygen Sensor (HO2S) (Over 8500 GVW) (S5-42 ZF Transmission):** Below RH side of vehicle, in exhaust pipe --- C1025
- Heater Control Assembly:** Center of I/P --- C296
- Heater Control Illumination:** Behind center of I/P on A/C-heater,control assembly --- C298
- Horn Switch:** In steering wheel --- C219
- Horns:** Rear RH side of lower radiator support, below lamps --- C1005, C1006
- Idle Air Control Valve:** Top RH front of engine, top of throttle body --- C1007
- Ignition Coil:** LH rear of engine, near intake manifold --- C1008
- Ignition Control Module (ICM):** LH rear of engine compartment, on fender apron --- C1021
- Ignition key Warning Switch:** Top of steering column, part of ignition switch --- C219
- Ignition Suppression Resistor:** LH side of engine compartment, taped to harness, near C101 --- *
- Ignition Switch:** Top RH side of steering column --- C269
- Inertia Fuel Shutoff:** Behind RH cowl panel --- C271
- Inside Cargo Lamp:** Center of rear window header --- C908
- Instrument Cluster:** Top LH side of I/P --- C250, C251, C252
- Intake Air Temperature (IAT) Sensor:** Top center front of engine, near intake runner #6 --- C164
- Integral Alternator Regulator (IAR):** RH front of engine --- C153, C154
- Leece-Neville Alternator:** RH front of engine --- C112, C118
- Left Door Lock Control Switch:** Center of LH front door --- C503
- Left Front Courtesy Lamp Switch:** On lower rear of LH front door jamb --- C263
- Left Front Door Courtesy Lamp:** In lower rear of LH front door --- C504
- Left Front Door Lock Motor:** In rear of LH front door --- C502
- Left Front Door Speaker:** In top front of LH front door --- C507
- Left Front Wheel 4WABS Sensor:** At left front wheel --- C123
- Left Front Window Motor:** In lower front of LH front door --- C500
- Left Power Lumbar Compressor Motor:** Under front of LH front seat --- C312
- Left Power Lumbar Switch:** LH side of LH front seat --- C305
- Left Power Mirror:** Top front of LH front door --- C502
- Left Rear Courtesy Lamp Switch:** On front of LH rear doorjamb --- C321
- Left Rear Door Courtesy Lamp:** In lower rear of LH rear door --- C700
- Left Rear Door Lock Motor:** In rear of LH rear door --- C701
- Left Rear Speaker:** LH rear of cab, behind trim panel --- C326
- License Lamp (Without Rear Bumper):** Lower rear of vehicle, near license plate holder --- *
- License Lamps (With Rear Bumper):** Center rear of vehicle, on respective sides of license plate --- C435, C436
- Main Light Switch:** Top LH side of I/P, left of steering column --- C273
- Manifold Absolute Pressure (MAP) Sensor:** Top RH side of safety wall --- C1011
- Manual Lever Position (MLP) Sensor:** Below center of vehicle, LH side of transmission --- C1012
- Map/Dome Lamps:** Center of roof --- C905, C906
- Master Tailgate Window Switch:** Top LH side of I/P RH side of main light switch --- C274
- Master Window Control Switch:** Center of LH front door --- C503
- Multi-function Switch:** Top of steering column --- C230, C231
- Oil Pressure Switch:** Lower LH front of engine, near oil filter --- C135
- Outside Cargo/High Mount Stop Lamp:** Top center rear of vehicle --- C907
- Overheat Warning Switch:** LH front of engine --- C1014
- Park Brake Switch:** Behind LH side of I/P top of park brake pedal --- C276
- Park/Neutral Position Switch (AOD Transmission):** Below vehicle, LH side of transmission --- C167
- Park/Neutral Position Switch (C6 Transmission):** Below vehicle, LH side of transmission --- C127
- Power Lumbar Compressor Motor:** Under front of front seat --- C312
- Power Mirror Switch:** Center of LH front door --- C550
- Power Steering Pressure Switch:** Lower LH front of engine compartment, on power steering line --- C1016
- Powertrain Control Module (PCM):** LH side of safety wall, left of main harness connectors --- C185
- RABS Data Link Connector:** LH rear of engine compartment, on bracket --- C143
- RABS Valve Assembly:** On LH frame rail, near front of transmission --- C158
- Radio:** Top center of I/P --- C257, C258
- Radio Capacitor:** LH side of engine, near ignition coil --- C1017
- Rear Anti-lock Brake (RABS) Module:** Behind RH side of I/P, behind glove compartment --- C277
- Rear Axle Sensor:** On axle assembly --- C404
- Rear Body Marker Lamps:** Center rear of vehicle --- C410

- Rear Park/Stop/Turn Lamps:** Rear of vehicle, on respective sides --- C431, C432
- Rear Tank Fuel Gauge Sender:** Below RH rear of vehicle, in rear fuel tank --- C427
- Rear Tank Fuel Pump/Fuel Gauge Sender (All Except Chassis Cab And 185" Wheel Base):** Below RH rear of vehicle, in rear fuel tank --- C441
- Rear Tank Fuel Pump/Fuel Gauge Sender (Chassis Cab And 185" Wheel Base):** Below RH rear of vehicle, in rear fuel tank --- C441
- Rear Window Defrost Control:** Top LH side of I/P right of ignition switch --- C278
- Rear Window Defrost Grid:** On rear window --- C310, C311
- Right Door Lock Control Switch:** Center of RH front door --- C603
- Right Front Courtesy Lamp Switch:** On front of RH front doorjamb --- C262
- Right Front Door Courtesy Lamp:** In lower rear of RH front door --- C606
- Right Front Door Lock Motor:** In rear of RH front door --- C602
- Right Front Door Speaker:** In top front of RH front door --- C607
- Right Front Wheel 4WABS Sensor:** At RH front wheel --- C124
- Right Front Window Motor:** In lower front of RH front door --- C600
- Right Power Lumbar Compressor Motor:** Under front of RH front seat --- C317
- Right Power Lumbar Switch:** RH side of RH front seat --- C306
- Right Power Mirror:** Top front of RH front door --- C608
- Right Rear Courtesy Lamp Switch:** On front of LH rear doorjamb --- C322
- Right Rear Door Courtesy Lamp:** In lower rear of RH rear door --- C800
- Right Rear Door Lock Motor:** In rear of RH rear door --- C801
- Right Rear Speaker:** RH rear of cab, behind trim panel --- C327
- Right Window Control Switch:** Center of RH front door --- C603
- Seat Belt Switch:** Inside LH front seat belt buckle assembly --- C302
- Side Body Marker Lamps:** On front and rear of respective rear quarter panels --- C411, C412, C413, C420
- Secondary Air Injection Bypass (SAIB) Solenoid:** Top LH rear of engine, near rear of LH valve cover --- C1022
- Secondary Air Injection Diverter (AIRD) Solenoid:** Top LH rear of engine, near rear of LH valve cover --- C1023
- Speed Control Servo/Amplifier Assembly:** LH side of engine compartment, near brake master cylinder --- C216
- Speed Control Switch:** In steering wheel --- C219
- SPOUT Check Connector:** LH rear of engine compartment, taped to harness, near Ignition Control Module (ICM) --- C1019
- Starter Motor:** Lower RH side of engine --- *
- Starter Relay:** Front of RH fender apron, behind battery --- *
- Starter Solenoid:** Lower RH side of engine, above starter motor --- C116
- Tailgate Latch Switch:** In LH side of tailgate, top of latch assembly --- C428
- Tailgate Power Window Motor:** In lower center of tailgate --- C429
- Tailgate Window Switch:** LH side of tailgate, part of key cylinder
- Throttle Position Sensor (TPS):** Top RH front of engine, on throttle body --- C1024
- Trailer Relay Box:** LH side of engine compartment, in engine compartment fuse box --- *
- Transfer Case Assembly:** Below center of vehicle, on rear of transmission --- C220
- Transmission Control Switch:** Top of steering column --- C275
- Turn Flasher:** Behind LH side of I/P, on front of fuse panel
- VIP Data Link Connector:** LH rear of engine compartment, on bracket --- C199
- Warning Chime Module:** Behind lower center of I/P --- C280
- Water in Fuel Sensor:** RH side of engine, near fuel filter --- C1056
- Windshield Washer Pump Motor:** Lower LH front of engine compartment, in windshield washer fluid reservoir --- C1030
- Windshield Wiper Motor:** Top LH side of safety wall --- C151, C152
- Wiper Control Module:** Behind RH side of I/P, near top of cowl panel --- C224

Connector C100 to C150

CONNECTOR Location

- C101** LH side of engine compartment, side of wheel well
- C102** Near LH frame rail, below driver floor pan
- C103** LH side of engine compartment, top of wheel well
- C105** LH side of engine compartment, top of wheel well
- C106** RH rear of engine compartment, near blower motor
- C108** **(With Leece-Neville 165 Amp Alternator)** RH side of engine compartment, near starter relay
- C110** LH side of engine compartment, top of wheel well
- C111** LH rear of engine compartment
- C112** RH front of engine, on Leece-Neville alternator
- C113** Lower LH front of vehicle, on left fog lamp
- C114** Lower RH front of vehicle, on right fog lamp
- C115** **(With Leece-Neville 165 Amp Alternator)** RH side of engine compartment, near starter relay
- C116** Lower RH side of engine, on starter solenoid
- C117** **(AOD Transmission)** Below center of vehicle, near LH rear of transmission
- C117** **(Borg-Warner T-18 Transmission)** Below center of vehicle, near LH rear of transmission

C117	(C6 Transmission) Below center of vehicle, near LH rear of transmission
C117	(E4OD Transmission) Below center of vehicle, near LH rear of transmission
C117	(Mazda M50D Transmission) Below center of vehicle, near LH rear of transmission
C117	(S5-42 ZF Transmission) Below center of vehicle, near LH rear of transmission
C118	RH front of engine, on Leece-Neville alternator
C119	LH front corner of engine compartment
C120	LH side of engine compartment
C121	LH side of engine compartment
C122	LH side of engine compartment
C123	At LH front wheel
C124	At RH front wheel
C125	Center rear of engine, on valve cover
C127	LH side of transmission, on park/neutral position switch
C135	Lower LH front of engine, on oil pressure switch
C138	LH side of engine compartment, top of wheel well
C139	RH front of engine compartment, behind battery
C149	LH side of engine compartment, top of wheel well
C150	Top LH front of engine, on coolant temperature sender

Connector C151 to C200

CONNECTOR Location

C151	Top LH side of safety wall, on windshield wiper motor
C152	Top LH side of safety wall, on windshield wiper motor
C153	RH front of engine, on Integral Alternator Regulator (IAR)
C154	RH front of engine, on IAR
C158	On LH frame rail, near RABS valve assembly
C159	Behind RH side of I/P, near RABS module
C161	(AOD Transmission) Front of transfer case, near 4x4 hi/low indicator switch
C161	(Borg-Warner T-18 Transmission) Front of transfer case, near 4x4 hi/low indicator switch
C161	(C6 Transmission) Front of transfer case, near 4x4 hi/low indicator switch F2
C161	(E4OD Transmission) Front of transfer case, near 4x4 hi/low indicator switch
C161	(Mazda M50D Transmission) Front of transfer case, near 4x4 hi/low indicator switch
C161	(S5-42 ZF Transmission) Front of transfer case, near 4x4 hi/low indicator switch
C162	RH rear of engine compartment, on NO clutch cycling pressure
C163	LH front of engine, on NC clutch field coil
C164	Top center front of engine, on Intake Air Temperature (IAT) sensor
C166	(Borg-Warner T-18 Transmission) Top of transmission, on backup lamp switch
C166	(Mazda M50D Transmission) Top LH side of transmission, on backup lamp switch
C166	(5542 ZF Transmission) Top LH side of transmission, on backup lamp switch
C167	LH side of transmission, on park/neutral position switch
C169	RH side of safety wall, on blower motor resistor
C170	LH rear of engine compartment, on brake fluid level switch
C171	RH front of engine, on canister purge solenoid
C172	RH side of engine compartment, on charge indicator lamp relay
C173	LH rear of engine compartment, near hood hinge
C174	Top center front of engine, on cold idle solenoid
C175	Top center front of engine, on cold timing advance solenoid
C177	(Without DRL) Front LH side of lower radiator support, on Daytime Running Lamps (DRL) jumper
C177	(With DRL) Front LH side of lower radiator support, on DRL module
C178	Top center front of engine, near distributor
C180	Top LH side of engine, on EGR control solenoid
C181	LH side of engine compartment, on EGR Vacuum Regulator (EVR) solenoid
C182	Top RH front of engine, on EGR Valve Position (EVP) sensor
C183	Center front of engine, on Engine Coolant Temperature (ECT) sensor
C184	Top LH front of engine, to engine speed sensor
C186	Top RH front of engine, on engine temperature switch
C187	Top LH front of engine, on Throttle Position Sensor (TPS)
C188	RH side of engine, on fuel heater
C190	Top RH front of engine, on fuel injector #1
C191	Top RH side of engine, on fuel injector #2
C192	Top RH side of engine, on fuel injector #3
C193	Top RH rear of engine, on fuel injector #4
C194	Top LH front of engine, on fuel injector #5
C195	Top LH side of engine, on fuel injector #6

C196	Top RH side of engine, on fuel injector #7
C197	Top RH rear of engine, on fuel injector #8
C198	VIP Data Link Connector LH rear of engine compartment, on bracket
C199	VIP Data Link Connector LH rear of engine compartment, on bracket
C200	Behind LH cowl panel

Connector C201 to C300

CONNECTOR Location

C201	Behind RH cowl panel
C202	LH rear of engine compartment, in safety wall
C203	Behind RH cowl panel
C204	Behind lower center of I/P, near RH side of ashtray assembly
C205	LH rear of engine compartment, in safety wall
C206	Behind RH side of I/P, on fog lamps switch
C207	Behind lower LH side of I/P on fuse panel
C209	Behind RH cowl panel
C210	Behind lower center of I/P
C213	Behind RH cowl panel
C214	Behind LH cowl panel
C216	LH side of engine compartment, on speed control servo amplifier assembly
C219	RH side of steering column, to brush assembly and ignition key warning switch
C220	Below center of vehicle, near transfer case assembly
C221	Behind RH cowl panel, on electronic shift control module
C222	Behind RH cowl panel, near electronic shift control module
C223	Behind RH cowl panel, on electronic shift control module
C224	Behind RH side of I/P on wiper control module
C228	Behind RH cowl panel
C229	Behind LH cowl panel
C230	Top of steering column, on multi-function switch
C231	Top of steering column, on multi-function switch
C232	Enable PSOM Programming Connector Behind lower RH side of I/P below glove compartment
C233	Behind LH cowl panel
C234	Behind lower center of I/P on auxiliary power socket
C235	Behind lower center of I/P on auxiliary power socket
C250	Behind top LH side of I/P, on instrument cluster
C251	Behind top LH side of I/P, on instrument cluster
C252	Behind top LH side of I/P on instrument cluster
C257	Behind top center of I/P on radio
C258	Behind top center of I/P, on radio
C260	Behind center of I/P, on blower motor switch
C261	(Automatic) Behind LH side of I/P, on clutch pedal position switch jumper
C261	(Manual) Behind LH side of I/P on clutch pedal position switch
C262	In front of RH front doorjamb, on right front courtesy lamp switch
C263	In lower rear of LH front door jamb, on left front courtesy lamp switch
C264	Behind top LH side of I/P on diesel warning lamps display
C267	Behind top LH side of I/P on electronic shift control switch
C268	Behind top LH side of I/P on fuel tank selector switch
C269	Top RH side of steering column, on ignition switch
C271	Behind RH cowl panel, on inertia fuel shutoff
C273	Behind top LH side of I/P on main light switch
C274	Behind top LH side of I/P on master tailgate window switch
C275	Top of steering column, near transmission control switch
C276	Behind LH side of I/P on park brake switch
C277	Behind RH side of I/P on rear RABS module
C278	Behind top LH side of I/P on rear window defrost control
C279	Behind LH side of I/P on brake on/off switch
C280	Behind lower center of I/P on warning chime module
C292	Behind RH side of I/P on glove compartment lamp
C293	Behind lower center of I/P on ashtray illumination
C294	Behind lower center of I/P on cigar lighter
C295	Behind lower center of I/P on cigar lighter
C296	(With A/C) Behind center of I/P on NO-heater control assembly
C296	(Without A/C) Behind center of I/P on heater control assembly
C298	Behind center of I/P on heater control illumination

C300 At base off LH "B" pillar

Connector C301 to C500

CONNECTOR Location

C302	Below RH side of LH front seat, to seat belt switch
C303	At base of RH "B" pillar
C304	At base of LH "B" pillar
C305	Under LH side of LH front seat, to left power lumbar switch
C306	Under RH side of RH front seat, to right power lumbar switch
C310	LH side of tailgate, near rear window, on rear window defrost grid
C311	Center of tailgate, near rear window, on rear window defrost grid
C312	(With Captain Chairs) Under front of LH front seat, on left power lumbar motor
C312	(Without Captain Chairs) Under front of front seat, on power lumbar motor
C313	Below LH front seat
C314	Below RH front seat
C315	At base of LH "B" pillar
C317	Under front of RH front seat, on right power lumbar motor
C318	LH rear of cargo area, near center of "D" pillar
C320	In center of roof
C321	In front of LH rear doorjamb, on left rear courtesy lamp switch
C322	In front of RH rear doorjamb, or right rear courtesy lamp switch
C326	LH rear of cab, on left rear speaker
C327	RH rear of cab, on right rear speaker
C400	Under center rear of vehicle, near rear crossmember
C401	Under LH rear of vehicle, near rear crossmember
C403	Below LH rear of vehicle, forward of rear fuel tank
C405	Under LH rear of vehicle, on frame rail, near fuel tank
C406	Under LH rear of vehicle, near rear crossmember
C407	Under center rear of vehicle, near rear crossmember
C408	Under RH rear corner of vehicle
C409	Under LH rear corner of vehicle
C410	Under center rear of vehicle, near rear body marker lamps
C411	In LH rear quarter panel, forward of wheel well, to left rear side body marker lamp
C412	In LH rear quarter panel, behind wheel well, to left rear side body marker lamp
C413	In RH rear quarter panel, forward of wheel well, to right rear side body marker lamp
C417	Under center rear of vehicle, near rear crossmember
C418	Under LH rear of vehicle, near rear lamp assembly
C420	In RH rear quarter panel, behind wheel well, to right rear side body marker lamp
C421	Top RH side of front fuel tank, on front tank fuel gauge sender
C423	Under LH side of vehicle, at frame rail, on fuel tank selector valve
C424	Under center rear of vehicle, near rear crossmember
C427	Top RH side of rear fuel tank, on rear tank fuel gauge sender
C428	In LH side of tailgate, on tailgate latch switch
C429	In lower center of tailgate, to tailgate power window motor
C431	(With Chassis Cab) LH rear of vehicle, on left rear park/stop/turn lamp
C431	(Without Chassis Cab) LH rear of vehicle, on left rear park/stop/turn lamp
C432	(With Chassis Cab) RH rear of vehicle, on right rear park/stop/turn lamp
C432	(Without Chassis Cab) RH rear of vehicle, on right rear park/stop/turn lamp
C433	LH rear of vehicle, on left backup lamp
C434	RH rear of vehicle, on right backup lamp
C435	Center rear of vehicle, on license lamp
C436	Center rear of vehicle, on license lamp
C440	Top RH side of front fuel tank, on front tank fuel pump/fuel gauge sender
C441	(All Except Chassis Cab And 185" Wheel Base) Top RH side of rear fuel tank, on rear tank fuel pump/fuel gauge sender
C441	(Chassis Cab And 85" Wheel Base) Top RH side of rear fuel tank, on rear tank fuel pump/fuel gauge sender
C444	Below rear of vehicle, on Differential Speed Sensor (DSS)
C446	Lower rear of vehicle, near license plate, on license lamp
C447	LH rear of vehicle, on left backup lamp
C448	RH rear of vehicle, on right backup lamp
C500	In lower front of LH front door, to left front window motor

Connector C501 to C2050

CONNECTOR Location

C502	In rear of LH front door, on left front door lock motor
C503	In center of LH front door, on master window control switch and left door lock control switch
C504	In lower rear of LH front door, on left front door courtesy lamp
C507	In top front of LH front door, on left front door speaker
C508	In front of LH front door, to left power mirror
C509	Behind RH cowl panel
C550	In center of LH front door, near power mirror switch
C600	In lower front of RH door, to right front window motor
C602	In rear of RH front door, on right front door lock motor
C603	In center of RH front door, on right window control switch and right door lock control switch
C606	In lower rear of RH front door, on right front door courtesy lamp
C607	In top front of RH front door, on right front door speaker
C608	In front of RH front door, to right power mirror
C700	In lower rear of LH rear door, on left rear door courtesy lamp
C701	In rear of LH rear door, on left rear door lock motor
C800	In lower rear of RH rear door, on right rear door courtesy lamp
C801	In rear of RH rear door, on right rear door lock motor
C900	RH side of windshield header, to cab marker lamp
C901	RH center of windshield header, to cab marker lamp
C902	Center of windshield header, to cab marker lamp
C903	LH center of windshield header, to cab marker lamp
C904	LH side of windshield header, to cab marker lamp
C905	(With Map Lamps) Center of roof, on map/dome lamps
C905	(Without Map Lamps) Center of roof, on dome lamp
C906	(With Map Lamps) Center of roof, on map/dome lamps
C906	(Without Map Lamps) Center of roof, on dome lamp
C907	Top center rear of vehicle, on outside cargo/high-mount stop lamp
C908	Center of rear window header, near inside cargo lamp
C910	Center of rear window header, on cargo lamp
C1000	Top center front of engine, on fuel shutoff solenoid
C1001	RH side of engine, on fuel water switch
C1003	RH side of engine compartment, behind battery
C1005	Front RH side of lower radiator support, on low pitch horn
C1006	Front RH side of lower radiator support, on high pitch horn
C1007	Top RH front of engine, on idle air control valve
C1008	LH rear of engine, on ignition coil
C1009	Center rear of engine, on knock sensor
C1010	RH side of engine compartment, on low vacuum warning switch
C1011	Top RH side of safety wall, on Manifold Absolute Pressure (MAP) sensor
C1012	Below center of vehicle, LH side of transmission, on manual lever position sensor
C1014	LH front of engine, on overheat warning switch
C1015	RH side of engine, on plugged fuel filter switch
C1016	Lower LH front of engine compartment, on power steering pressure switch
C1017	LH side of engine, near radio capacitor
C1019	SPOUT Check Connector LH rear of engine compartment, taped to harness, near Ignition Control Module (ICM)
C1022	Top LH rear of engine, on secondary air injection bypass (AIRB) solenoid
C1023	Top LH rear of engine, on Secondary Air Injection Diverter (AIRD) solenoid
C1024	Top RH front of engine, near Throttle Position Sensor (TPS)
C1025	(Under 8500 GVW) Lower RH side of engine, to Heated Oxygen Sensor (HO2S)
C1025	(Over 8500 GVW w/C6 transmission) Lower RH side of engine, to HO2S
C1025	(Over 8500 GVW w/E4OD transmission) Lower RH side of engine, to HO2S
C1025	(Over 8500 GVW w/S5-42 ZF transmission) Lower RH side of engine, to HO2S
C1027	LH side of safety wall, on Powertrain Control Module (PCM)
C1029	Top RH front of engine, on alternator
C1030	Lower LH front of engine compartment, on windshield washer pump motor
C1031	LH front of vehicle, on left front park/turn lamp
C1032	RH front of vehicle, on right front park/turn lamp
C1033	LH front of vehicle, on left headlamp
C1034	RH front of vehicle, on right headlamp
C1035	LH underside of engine compartment hood, on engine compartment lamp
C1048	Below center of vehicle, RH side of transmission, on E4OD trans.
C1052	RH front of vehicle, on right front side marker lamp

C1053	RH front of vehicle, on right front side marker lamp
C1054	LH front of vehicle, on left front side marker lamp
C1055	LH front of vehicle, on left front side marker lamp
C1056	Mounted under fuel filter

Last Article - End Of Connector Locations List.

Connector C100 to C200

CONNECTOR	Harness
C101 (F)	9D930
C101 (M)	12A581
C102	15525
C103 (F)	15525
C103 (M)	12A581
C105 (F)	14A346
C105 (M)	12A581
C106 (F)	12A581
C106 (M)	18A586
C108 (F)	12A581
C108 (M)	14305
C110 (F)	15525
C110 (M)	12A581
C111	12A581
C112	14305
C113	12A581
C114	12A581
C115 (F)	12A581
C115 (M)	14305
C117 (F)	14KC67
C117 (M)	15525
C118	14305
C119	12A581
C120	12A581
C121	12A581
C122	12A581
C123	12A581
C124	12A581
C125 (F)	14289
C125 (M)	9D930
C127	15525
C135	9D930
C138	12A581
C139 (F)	14305
C139 (M)	12A581
C143	12A581
C148 (F)	14405
C148 (M)	12A581
C149 (F)	14A346
C149 (M)	14405
C150	9D930
C152	12A581
C153	14305
C154	14305
C155	14A346
C158	14405
C159 (F)	14401
C159 (M)	14401
C161	14KC67
C162	18A586
C163	9D930
C164	9D930
C165	14305
C166	15525
C167	15525

C168	18A586
C169	18A586
C170	12A581
C171	9D930
C172	14305
C173 (F)	15A702
C173 (M)	12A581
C174	Part In Assembly (PIA)
C175	PIA
C177	12A581
C178	9D930
C180	9D930
C181	9D930
C182	9D930
C183	9D930
C184	14305
C185	12A581
C186	PIA
C187	14305
C188	PIA
C190	9D930
C191	9D930
C192	9D930
C193	9D930
C194	9D930
C195	9D930
C196	9D930
C197	9D930
C198	12A581
C199	12A581
C200 (F)	4A504

Connector C201 to C300

CONNECTOR	Harness
C201 (F)	15460
C201 (M)	14401
C202 (F)	14401
C202 (M)	12A581
C203 (F)	8A586
C203 (M)	14401
C204 (F)	14401
C204 (M)	1326
C205 (F)	14401
C205 (M)	14405
C206	14401
C207	14401
C208 (F)	7A786
C209 (M)	14401
C210 (F)	14A348
C210 (M)	14401
C213 (F)	14630
C213 (M)	14631
C214 (F) CREW CAB	14631
C214 (M)	14A504
C214 (F) **	19A123
C216	12A581
C219 (F)	14401
C219 (M)	90899
C220	7A786
C221	7A786
C222	7A786
C223	7A786
C224	14401
C228 (F)	14630

C228 (M)	14401
C229 (F)	14A504
C229 (M)	14401
C230	14401
C231	14401
C232	14401
C233 (F)	14631
C233 (M)	14A504
C234	13A726
C235	13A726
C250	14401
C251	14401
C252	14401
C257	14401
C258	14401
C260	14401
C261	14401
C262	14401
C263	14A504
C264	14401
C267	14401
C268	14401
C269	14401
C271	14401
C273	14401
C274	14401
C275	14401
C276	14401
C277	14401
C278	14401
C279	14401
C280	14401
C282	STEERING COLUMN ASS.
C283	STEERING COLUMN ASS.
C292	14401
C293	13A726
C294	13A726
C295	13A726
C296	14401
C298	14401
C300 (F)	14334
C300 (M)	14A504

** Custom & XL Trim

Connector C301 to C803

CONNECTOR	Harness
C302	14A504
C303 (F)	14632
C303 (M)	14A504
C304 (F)	13632
C304 (M)	14A504
C305	14B084
C306	14B084
C310	14086
C311	14086
C312	14B084
C313 (F)	14A504
C313 (M)	14B084
C314 (F)	14A504
C314 (M)	14B084
C315 (F)	14335
C315 (M)	14A504
C317	14B084

C318 (F)	13A625
C318 (M)	14335
C320 (F)	13A724
C320 (M)	14334
C321	13A724
C322	13A724
C326	14A504
C327	14A504
C400 (F)	13412
C400 (M)	13A409
C401 (F)	13A409
C401 (M)	14405
C403 (F)	14406
C403 (M)	14405
C406 (F) *	14405
C406 (M) *	13A409
C407 (F)	13A576
C407 (M)	14405
C408 (F)	13A409
C408 (M)	15A411
C409 (F)	13A409
C409 (M)	15A411
C410 (F)	13A409
C410 (M)	15425
C411	15A411
C412	15A411
C413	15A411
C417	13A576
C418 (F)	14405
C418 (M)	14086
C420	15A411
C421	14405
C423	14405
C424 (F)	3A576
C424 (M)	14405
C427	14405
C428	14086
C429	14086
C431 **	13A409
C431 ***	13A409
C432	13A409
C433	13A409
C434	13A409
C435 ****	13412
C435 *	13A409
C436 ****	13412
C436 *	13A409
C440	14405
C441 *****	14406
C441	14405
C444	14405
C446 *****	13412
C447 *****	13A409
C448 *****	13A409
C500	14631
C502	14631
C503	14631
C504	14631
C507	14631
C507 *****	19A123
C508	14631
C509 (F)	14630
C509 (M)	14631
C550	14631
C600	14630

C602	14630
C603	14630
C606	14630
C607	14630
C608	14630
C700	13632
C701	14632
C800	13632
C801	14632

* F-Series W/Flare Side

** F-Series W/Flare Side

*** F-Series W/O Flare Side & Chassis Cab

**** F-Series W/O Flare Side W/Rear Bumper

***** Chassis Cab & 185 Wheelbase

***** F-Series W/O Flare Side

***** W/O Rear Bumper Chassis Cab Custom & XL Trim

Connector C803 to C1100

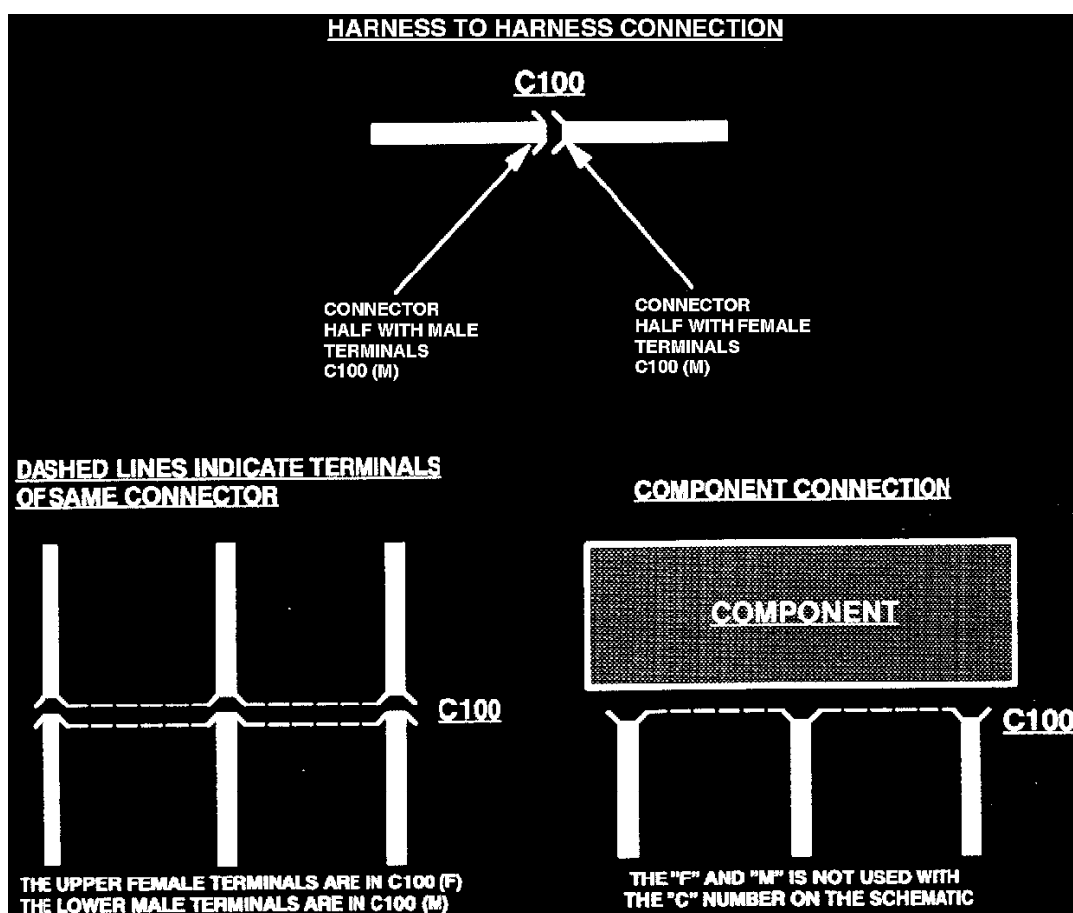
CONNECTOR	Harness
C900	15460
C901	15460
C902	15460
C903	15460
C904	15460
C905	14334
C906	14334
C907	13A625
C908	13A625
C910	14334
C1000	Part In Assembly (PIA)
C1001	PIA
C1002	PIA
C1003 (F)	12A690
C1003 (M)	12A581
C1005	12A581
C1006	12A581
C1007	9D930
C1008	9D930
C1009	9D930
C1010	12A581
C1011	12A581
C1012	15525
C1014	PIA
C1015	PIA
C1016	9D930
C1017	9D930
C1019	12A581
C1021	12A581
C1022	9D930
C1023	9D930
C1024	9D930
C1025 (Under 8500 GVW)	12A690
C1025 (Over 8500 GVW)	15525
C1026	9D930
C1027	12A581
C1C29	14305
C1030	12A581
C1031	12A581
C1032	12A581
C1033	12A581
C1034	12A581
C1035	15A702
C1040	PIA

C1041	PIA
C1042	PIA
C1043	PIA
C1044	PIA
C1045	PIA
C1046	PIA
C1047	PIA
C1048	15525
C1052	12A581
C1053	12A581
C1054	12A581
C1055	12A581
C1056	PIA

Last Article - End of Cross Reference List

How To Use The Connector to Harness Cross Reference List

HOW TO IDENTIFY A BASIC HARNESS NUMBER BY USING A "C" NUMBER



Connector Identification

Understand these symbols before you use the Connector to Harness Cross Reference List.

How to identify the basic harness part number:

Find the connector "C" number in the diagrams, then locate the "C" number in the Connector to Harness Cross Reference List and read the basic harness part number which becomes useful if ordering parts.

Grounds

GROUND Locations

G100	LH front of engine compartment, on upper radiator support
G101	RH front of engine compartment, front of fender apron

G103	Lower RH front of engine
G104	Rear of LH fender apron
G106	Lower RH front of engine
G107	Lower LH front of engine
G108	RH front of engine compartment, on upper radiator support
G200	Behind bottom of RH cowl panel
G201	Behind bottom of LH cowl panel
G400	LH rear corner of cargo area, near rear lamp assembly
G401	Under center rear of vehicle, on rear crossmember

S100 - S200**SPLICE****LOCATION**

S100	Engine Control Sensor Harness, Near Tape Out To Right Front Park/Turn Lamp
S101	Engine Control Sensor Harness, Near Tape Out To Engine Compartment Fuse Box
S102	Engine Control Sensor Harness, Near Tape Out To Brake Warning Resistor/Diode Assembly
S103	Engine Control Sensor Harness, Near Tape Out To Front Park/Turn Lamp
S104	Trailer Battery Feed Harness, Near Tape Out To Trailer Relay Box
S105	Engine Control Sensor Harness, Near Tape Out To Engine Compartment Fuse Box (Cavity #70)
S106	Engine Control Sensor Harness, Near Tape Out To G101
S108	Engine Control Sensor Harness, Near Tape Out To Brake Warning Resistor/Diode Assembly
S109	Engine Control Sensor Harness, Near Tape Out To C105
S110	Engine Control Sensor Harness, Near Tape Out To Right Front Park/Turn Lamp
S114	Engine Control Sensor Harness, Near Tape Out To Brake Warning Resistor/diode Assembly
S115	Engine Control Sensor Harness, Near Tape Out To Left Headlamp
S116	Engine Control Sensor Harness, Near Tape Out To C103
S117	Engine Control Sensor Harness, Near Tape Out To Left Headlamp
S134	(C6 Transmission) Backup Lamp Switch To Rear Lamp Feed Harness, Near Tape Out To C117
S134	(E4OD Transmission) Backup Lamp Switch To Rear Lamp Feed Harness, Near Tape Out To Manual Lever Position Sensor
S134	(S5-42 ZF Transmission) Backup Lamp Switch To Rear Lamp Feed Harness, Near Tape Out To Backup Lamp Switch
S135	Fuel Charge Harness, Near Tape Out To Canister Purge Solenoid
S137	Engine Control Sensor Harness, Near Tape Out To Brake Warning Resistor/Diode Assembly
S138	Fuel Charge Harness, Near Tape Out To Intake Air Temperature (IAT) Sensor
S140	Engine Control Sensor Harness, Near Tape Out To left DRL Module
S146	Backup Lamp Switch To Rear Lamp Feed Harness, In Tape Out To Manual Lever Position Sensor
S147	Engine Control Sensor Harness, Near Tape Out To C103
S152	Heater Switch To Blower Motor Harness, Near Tape Out To Blower Motor
S153	Heater Switch To Blower Motor Harness, Near Tape Out To Blower Motor
S154	Engine Control Sensor Harness, Near Tape Out To Left Headlamp
S155	Engine Control Sensor Harness, Near Tape Out To G100
S156	Engine Control Sensor Harness, Near Tape Out To Left Front Park/Turn Lamp
S157	Engine Control Sensor Harness, Near Tape Out To Powertrain Control Module (PCM)
S163	Engine Control Sensor Harness, Near Tape Out To PCM
S164	Engine Control Sensor Harness, Near Tape Out To Left Headlamp
S165	Engine Control Sensor Harness, Near Tape Out To Left Headlamp
S171	Engine Control Sensor Harness, Near Tape Out To Left Headlamp
S199	Fuel Charge Harness, Near Tape Out To Ignition Coil
S200	Seat Belt Retractor Switch RH Harness, Near Tape Out To G201

S201 - S601**SPLICE****LOCATION**

S201	Seat Belt Retractor Switch RH Harness, Near Tape Out To C302
S202	Main Harness, Near Tape Out To C210
S203	Main Harness, Near Tape Out To Enable PSOM Programming Connector C232
S204	Main Harness, Near Tape Out To Multi-Function Switch
S206	Main Harness, Near Tape Out To Fuse Panel
S207	Main Harness, Near Tape Out To Clutch Pedal Position Switch Or Jumper
S210	Main Harness, Near Tape Out To C210
S211	Main Harness, Near Tape Out To Fuse Panel
S213	Main Harness, Near Tape Out To Warning Chime Module
S214	Main Harness, Near Tape Out To Warning Chime Module
S215	Main Harness, Near Tape Out To C251
S216	Main Harness, Near Tape Out To G200

S217	Main Harness, Near Tape Out To Fuse Panel
S218	Main Harness, Near Tape Out To Radio
S219	Rear Lamps Harness, Near Tape Out To C205
S220	Main Harness, Near Tape Out To Enable PSOM Programming Connector C232
S222	(Super Cab) Seat Belt Retractor Switch RH Harness, Near Tape Out To C300
S222	(Regular Cab) Seat Belt Retractor Switch RH Harness, Near Tape Out To C229
S224	Main Harness, In Tape Out To Clutch Pedal Position Switch Or Jumper
S225	Rear Lamp Harness, Near Tape Out To C205
S228	Main Harness, In Tape Out To Rear Anti-Lock Brake (RABS) Module
S229	Main Harness, Near Tape Out To Blower Motor Switch
S230	Main Harness, Near Tape Out To Main Light Switch
S234	Main Harness, Near Tape Out To C202
S236	Main Harness, Near Tape Out To Fuse Panel
S237	Main Harness, Near Tape Out To Brake On/Off Switch
S238	Main Harness, Near Tape Out To Wiper Control Module
S240	Main Harness, Near Tape Out To Clutch Pedal Position Switch Or Jumper
S241	Main Harness, Near Tape Out To Rear Window Defrost Control
S242	Main Harness, Near Tape Out To Fuse Panel
S243	Main Harness, Near Tape Out To C251
S244	Main Harness, Near Tape Out To C210
S245	Main Harness, Near Tape Out To Clutch Pedal Position Switch Or Jumper
S246	Main Harness, Near Tape Out To Speed Control Amplifier
S247	Main Harness, Near Tape Out To C202
S248	Main Harness, Near Tape Out To C202
S249	Main Harness, Near Tape Out T Fuel Tank Selector Switch
S250	Main Harness, Near Tape Out To Main Light Switch
S251	Seat Belt Retractor Switch Harness, Near Tape Out To C300
S252	Main Harness, Near Tape Out To Clutch Pedal Position Switch Or Jumper
S253	Main Harness, Near Tape Out To Clutch Pedal Position Switch Or Jumper
S254	Rear Lamps Harness, Near Tape Out To RABS Valve Assembly
S255	Window Regulator Left Front Door Harness, Near Tape Out To C214
S256	Window Regulator Left Front Door Harness, Near Tape Out To C214
S299	Main Harness, Near Tape Out To Right Front Courtesy Lamp Switch
S305	Seat Belt Retractor Switch RH Harness, Near Tape Out To C300
S307	Front Seat Back Pad Adjust Harness, Near Tape Out To Power Lumbar Compressor Motor
S308	Rear High Mount Lamp Harness, Near Tape Out To Outside Cargo/High Mount Stop Lamp
S309	Seat Belt Retractor Switch RH Harness, Near Tape Out To C300
S310	Front Seat Back Pad Adjust Harness, Near Tape Out To Power Lumbar Compressor Motor
S311	Seat Belt Retractor Switch RH Harness, Near Tape Out To C302
S312	Seat Belt Retractor Switch RH Harness, Near Tape Out To C302
S314	(Crew Cab) Seat Belt Retractor Switch RH Harness, Near Tape Out To C302
S314	(Except Crew Cab) Seat Belt Retractor Switch RH Harness, Near Tape Out To C302
S400	Rear Lamps Harness, Near Tape Out To Front Tank Fuel Pump/Fuel Gauge Sender
S401	Rear Lamps Harness, Near Tape Out To License Lamps
S403	Rear License Lamp Harness, In Tape Out To C400
S404	(With Flare Side) Rear Lamp Connector Harness, Near Tape Out To C401
S404	(Without Flare Side) Rear Lamp Connector Harness, Near Tape Out To C400
S405	Left Lamp Connector Harness, Near Tape Out To Left Backup Lamp
S406	Right Rear Lamp Connector Harness, Near Tape Out To Right Backup Lamp
S407	Rear Lamp Harness, Near Tape Out To Rear Axle Sensor
S408	Rear Lamp Harness, Near Tape Out To Rear Axle Sensor
S409	Left Marker Lamp Harness, Near Tape Out To C412
S410	Right Marker Lamp Harness, Near Tape Out To C420
S412	Rear Lamp Connector Harness, Near Tape Out To C410
S417	(With Chassis Cab) Rear Lamp Connector Harness, Near Tape Out To C448
S417	(With Flare Side) Rear Lamp Connector Harness, Near Tape Out To C401
S417	(Without Flare Side) Rear Lamp Connector Harness, Near Tape Out To C400
S418	Rear License Lamp Harness, Near Tape Out To C400
S419	Rear Lamps Harness, Near Tape Out To C401
S420	Rear Lamp Connector Harness, Near Tape Out To C410
S421	Left Marker Harness, In Tape Out To C412
S422	Right Marker Lamp Harness, In Tape Out To C420
S423	Rear Window Regulator Control Harness, Near Tape Out To Tailgate Window Switch
S424	Rear Lamps Harness, Near Tape Out To License Lamps
S426	Rear Lamp Connector Harness, Near Tape Out To C401

S428	Rear Lamps Harness, Near Tape Out To Differential Speed Sensor (DSS)
S429	Rear Lamps Harness, Near Tape Out To DSS
S500	Window Regulator Left Front Door Harness, Near Tape Out To Master Window Control Switch
S501	Window Regulator Left Front Door Harness, Near Tape Out To C214
S502	Window Regulator Left Front Door Harness, Near Tape Out To C500
S600	Window Regulator Right Front Door Harness, Near Tape Out To Right Window Control Switch
S601	Window Regulator Right Front Door Harness, Near Tape Out To C600

Last Article - End of Splice Locations List