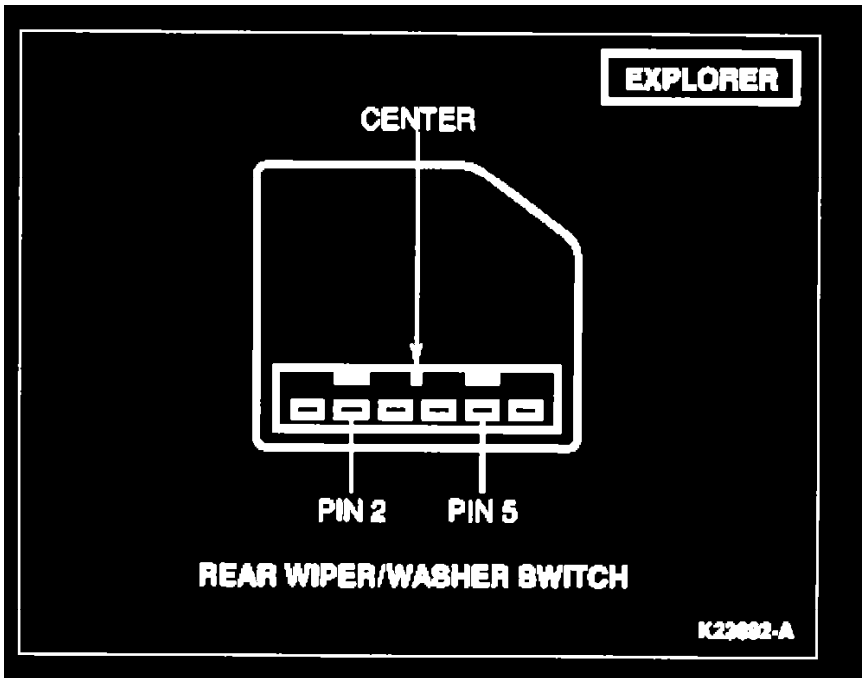
Wiper and Washer Systems: Testing and Inspection
Component Tests

Rear Wiper/Washer Switch Test

Rear Wiper/Washer Switch Test



Resistance between Pins 2 and 5 will be as follows in the designated position.

OFF 9090 Ohms ±5%
INT 1 2430 Ohms ±5%
INT 2 432 Ohms ±5%
ON 110 Ohms ±5%

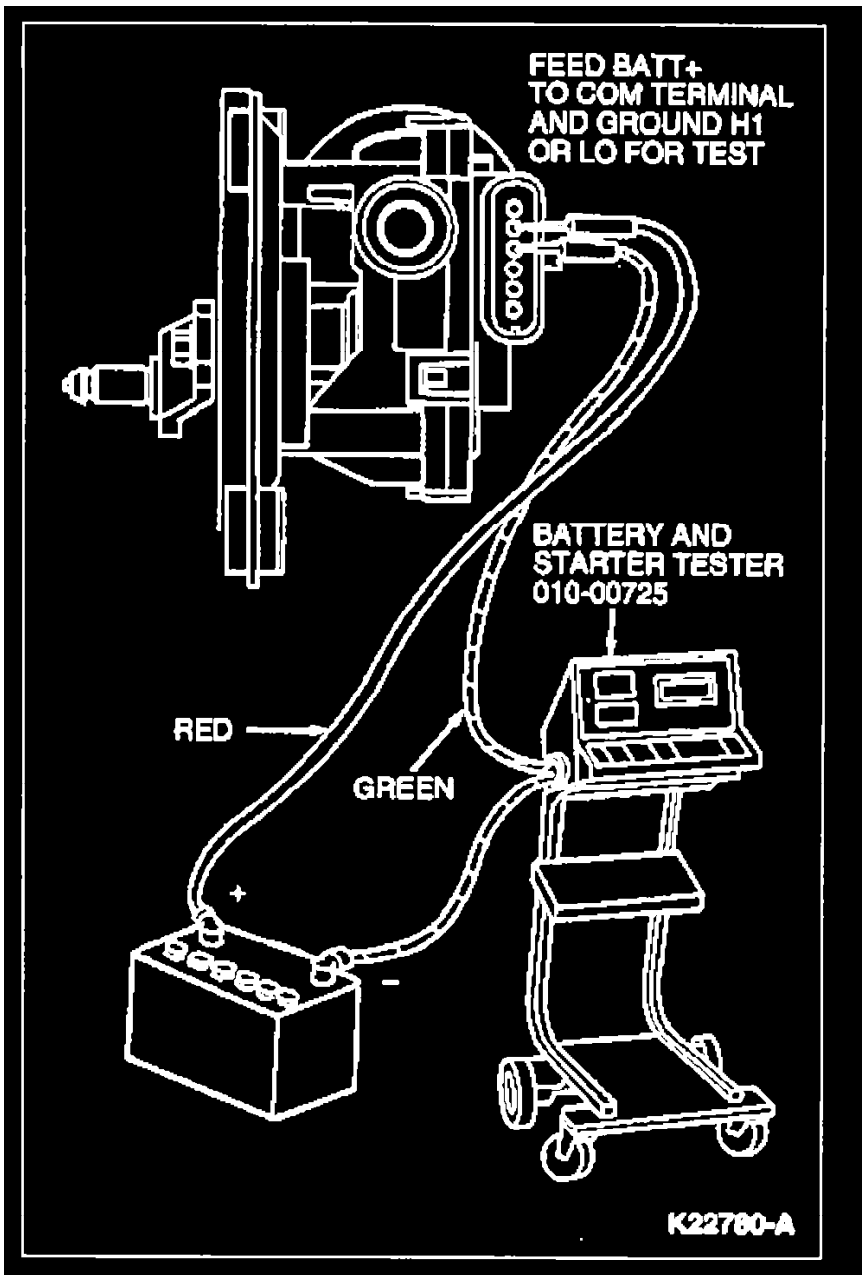
Switching characteristic is make before break.

Resistance between Pins 2 and 5 to be as follows in the transition position.

OFF to INT 1 1917 Ohms ±5%
INT 1 to INT 2 367 Ohms ±5%
INT 2 to ON 88 Ohms ±5%

Windshield Washer Pump Current Draw Test

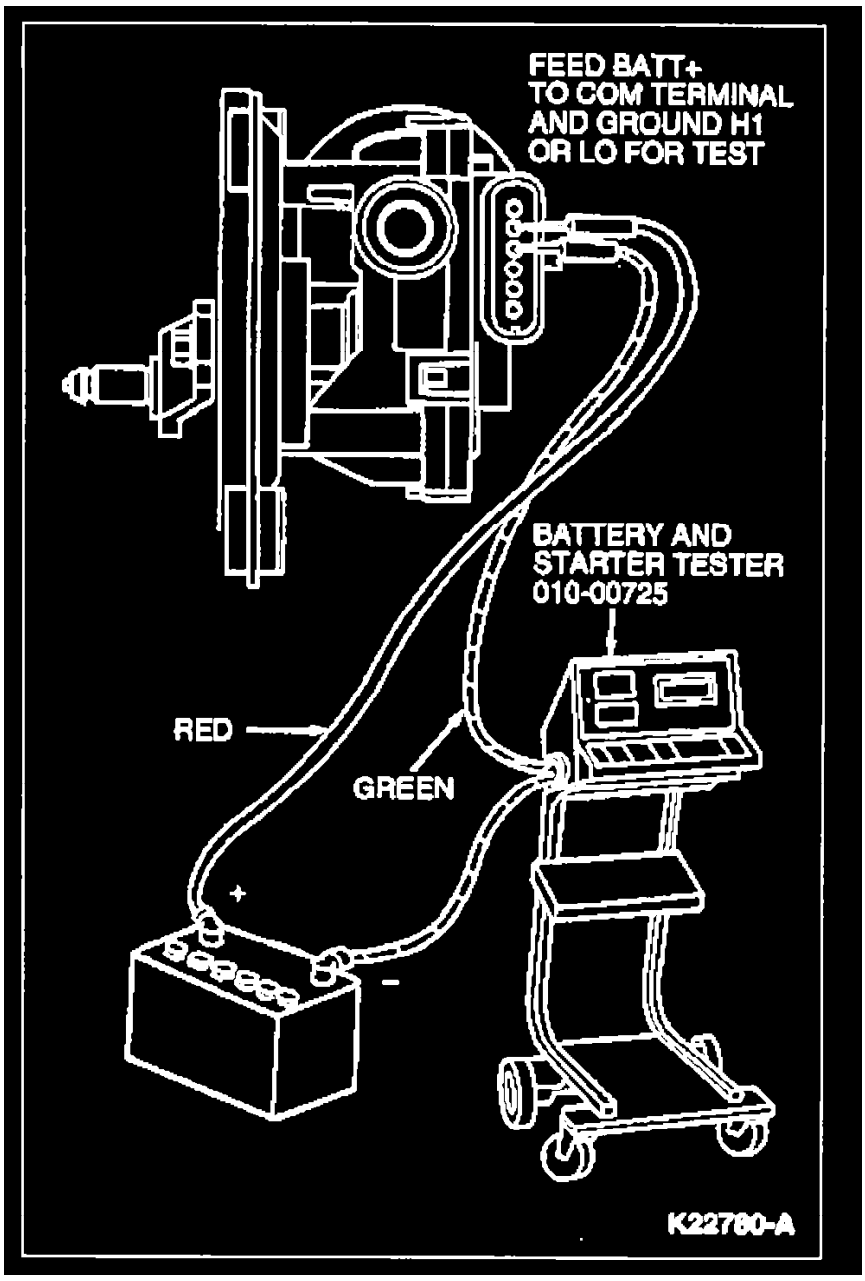
Windshield Washer Pump Current Draw Test



Attach the leads of the Rotunda 73 Digital Multimeter 105-00051 or Battery and Starter Tester 010-00725 or equivalents as shown. The current draw should not exceed four amps nor be less than 1.7 amps while the windshield washer pump is pumping fluid.

Windshield Wiper Motor Current Draw Test

Windshield Wiper Motor

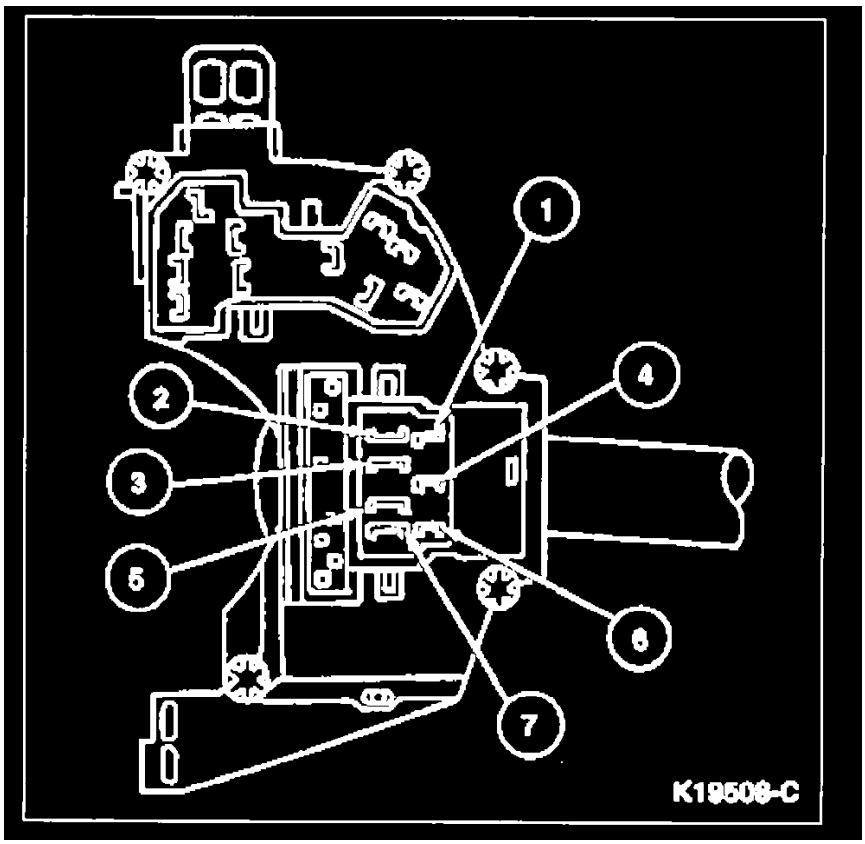


Connect the positive (red) lead from Rotunda Battery and Starter Tester 010-00725 or equivalent to the common (c) terminal of the windshield wiper motor, and connect the green lead from the tester to the battery positive post. Connect a jumper wire from the battery negative post to the low speed terminal of the windshield wiper motor and read the current draw. Move the jumper wire from the low-speed terminal to the high-speed terminal and read the high-speed current draw. In either case, the current draw should not exceed 3.5 amperes. if the current draw does exceed 3.5 amperes, check the output arm and windlatch mechanism for binding or damage before replacing the windshield wiper motor.

Windshield Wiper Switch Test

Windshield Wiper Switch Test

NOTE: Make sure wiper motor is grounded.



Testing should be done with a multimeter such as Rotunda 73 Digital Multimeter 105-00051 or equivalent.

NOTE: Terminals 1, 4 and 6 are the only ones used for this test.

WINDSHIELD WIPER SWITCH TEST

Switch Position	Resistance by Pin Number
Interval Wiper/Washer Switching:	
Wash ON	Closed Pin 4 to Pin 6
Wiper OFF	Resistance Pin 4 to Pin 6, 103.3 k Ohms
Wash OFF	Resistance Pin 4 to Pin 1, 47.6 k Ohms
Wiper Interval at MAX. Delay (Closest Position to OFF) to MIN. Delay (Closest Position to LO)	Resistance Pin 4 to Pin 1, 11.33 k Ohms Resistance Pin 4 to Pin 6 linear decreasing from 103.3 k Ohms to 3.3 k Ohms
Wiper LO Wash OFF	Resistance Pin 4 to Pin 6, 3.3 k Ohms Resistance Pin 4 to Pin 1, 4.08 k Ohms
Wiper HI Wash OFF	Resistance Pin 4 to Pin 6, 3.3 k Ohms Closed Pin 4 to Pin 1