



2770380 Wiper Switch & Motor Operation, Wiring and Testing

Color Wiring:

A = Brown w/ White (Bulkhead Terminal Position 1)
 B = Pink
 P = Blue (Bulkhead Terminal Position 5)
 W = Brown (Bulkhead Terminal Position 19 – Washer Pump Motor)
 F1 – Red (Bulkhead Terminal Position 2)
 F2 = Green (Bulkhead Terminal Position 6)
 B/U = No Connection

B to B/U = B voltage in across the internal circuit breaker. Always on no matter what speed or off position to B/U. B/U Voltage After Circuit Breaker

The following connections should all be reading 0 ohms, except as noted, when active. Any connection combination not mentioned should not show a reading. The switch must be grounded from side ground strap to -12V if being tested without the switch panel secured in dash with all four screws.

In the OFF position:

B to P
 A to F2
 F1 to Chassis Ground

In On Low through High speed positions:

B to F1 {(0 Low) to (- 25 High)}
 A to F1 {(0 Low) to (- 25 High)}
 B to A
 F2 to Chassis Ground

Washer Motor On – No Reading In The Off Position:

B to W
 A to W
 F1 to W

Wiring through the bulkhead connector:

1. Brown w/ White Stripe
2. Red
5. Blue
6. Green
19. Brown (Washer Motor)

Three Speed Wiper (Prestolite ERQ-4000 Series) Motor Bench or Firewall Four Wire Terminal Test:

| Forward (Slow) | Forward (Fast) | Reverse (Park) |
|-----------------------------|-----------------------------|----------------------------|
| 12V+ to Red & Brown | 12V+ to Brown | 12V+ to Blue |
| Green to Motor Ground Strap | Green to Motor Ground Strap | Green to Brown |
| 12V- to Motor Ground Strap | 12V- to Motor Ground Strap | Red to Motor Ground Strap |
| | Red Not Connected | 12V- to Motor Ground Strap |

Note: If the motor does not move forward initially, try the reverse test, once. If the motor returns to the park position and stops, continue with testing the forward motion. The motor will not move forward if the last power applied was moving the motor in reverse and did not complete the park motion.