

COURIER

Pickup

DESCRIPTION

The wiper system includes a 2-speed motor and separate washer pump. The control switch is located on a lever on the left side of the steering column. A 10 amp fuse protects the wiper system.

OPERATION

The wipers are turned on by rotating the control lever. Pushing in on the end of the lever will start the washer pump. The pump should stop as soon as the lever is released.

TESTING

WIPER MOTOR

- 1) Use a test lamp to check for power at the Blue wire in harness side of main wiring connector. Ignition must be on. If no power is present, check fuse or wiring.
- 2) Connect a jumper wire between battery voltage and Blue wire in motor side of main connector. When Blue-White wire is grounded, motor should operate at low speed. With Blue-Red wire grounded, motor should operate at high speed. Disconnect ground wire so blades stop in the middle of windshield.
- 3) Connect a jumper wire between Blue-Black and Blue-White wires. Wipers should move to park position and stop. If motor does not work properly, check ground connection. If it is good, replace wiper motor.

WIPER/WASHER SWITCH

- 1) Unplug the 2 wiper/washer connectors at base of steering column. Connect one probe of a self-powered test lamp (or ohmmeter) to the Black wire in the 2-pin switch connector.
- 2) With switch off, no continuity should be present between Black wire and any others. With switch on low, lamp should light at White wire. With switch on high, lamp should light at Red wire. With washer on, lamp should light at Blue wire.
- 3) If switch does not work as described, replace it.

WIRING TEST

- 1) Disconnect 4-pin wiper switch connector at base of steering column. Turn ignition on. Connect one end of a jumper wire to ground, then touch the other end to each wire in the harness side of connector.
- 2) With Blue-White grounded, wipers should operate at low speed. With Blue-Red grounded, wipers should operate at high speed. With Blue-Yellow wire grounded, washer should spray.

- 3) If motor operates correctly, unplug 2-pin connector and check for continuity with ground on the Black wire (male terminal). If a good ground connection is present and wipers do not function properly, repair wiring harness or replace switch.

REMOVAL & INSTALLATION

WIPER MOTOR & LINKAGE

Removal — 1) Disconnect battery ground cable. Remove wiper arm nuts and wiper arms. Remove cap, nut, spacer and grommet from each wiper arm pivot shaft. Remove 2 wiper motor bracket screws.

2) Unplug wiring and remove wiper motor assembly. Note position of rubber and ground washers. Remove motor link retaining clip. Note position of motor-to-bracket washers, then remove motor.

Installation — To install, reverse removal procedure, ensuring that all washers are placed in their original locations.

COMBINATION SWITCH

Removal — 1) Disconnect battery ground cable. Remove steering wheel. Remove steering column cover. Unplug connectors at base of steering column. Pull off headlight switch knob.

2) Remove snap ring at top of column and pull off turn signal cam. Remove retaining bolt at bottom of combination switch. Remove switch.

Installation — To install, reverse removal procedure.

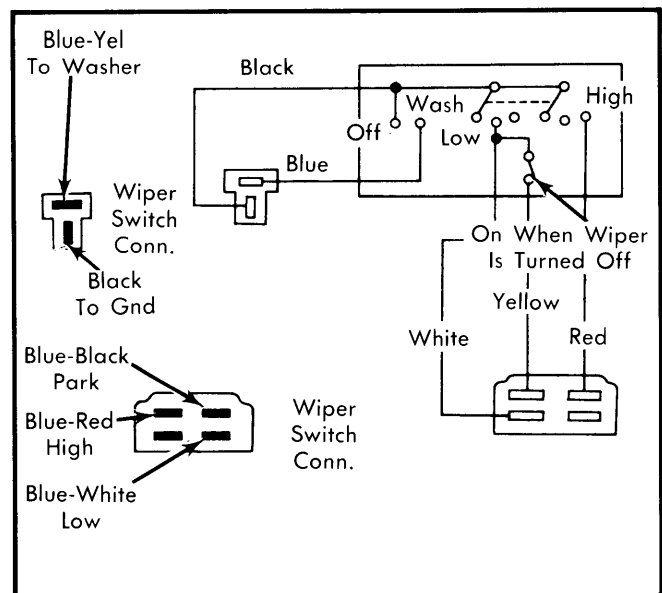


Fig. 1 Courier Wiper/Washer System Wiring Diagram