

Windshield Wipers

1965-70 DODGE ELECTRIC – SINGLE & VARIABLE SPEED

Dodge

A-100 (1965-70)

All Other Models (1965-68)

DESCRIPTION

Single and variable speed types used. Circuit breaker is built into wiper switches of both types and is attached to "B" terminal of switch on variable speed type. Variable speed type also has bar resistance plate in wiper switch (rheostat type control) to provide many wiper speeds.

TROUBLE SHOOTING

Wiper Inoperative – Linkage binding. Instrument panel switch faulty. Faulty motor. Open or grounded wiring.

Blades Will Not Park – Arm set at incorrect position. Motor park switch timing incorrect.

Blades Slap Windshield Mouldings – Improperly adjusted wiper arm. Motor crank or other drive parts loose.

Blades Chatter – Twisted arm (holds blade at wrong angle to glass). Wrong type blade used. Foreign substances on glass (such as wax).

TESTING

1-SPEED MOTOR

1) Connect a jumper between battery negative terminal and wiper motor ground strap. Connect another jumper between black and blue wires of wiper motor and battery positive post. Motor should run continuously.

2) With jumpers connected as in step 1), disconnect black wire from jumper wire leaving blue wire connected to battery positive terminal. Wiper motor should park.

VARIABLE SPEED (3-WIRE MOTOR)

1) Connect jumper between battery negative terminal and motor ground strap. Connect another jumper from motor black and blue wires to battery positive terminal. Motor should run continuously in wipe direction.

2) Connect jumper from battery negative terminal to motor ground strap. Connect another wire from battery positive terminal to motor blue and red wires. Wiper motor should park.

VARIABLE SPEED (4-WIRE MOTOR)

1) Connect jumper between wiper motor yellow wire and wiper motor ground strap. Connect another jumper between negative terminal of battery and wiper motor ground strap. Connect another jumper between wiper motor red and black wires and battery positive terminal. Wiper should run continuously in wipe direction.

2) Connect jumper between motor blue and yellow wires and positive post. Connect another jumper between motor red wire and motor ground strap. Connect another jumper between negative cable and motor ground strap. Motor should run in reverse and stop at park position.

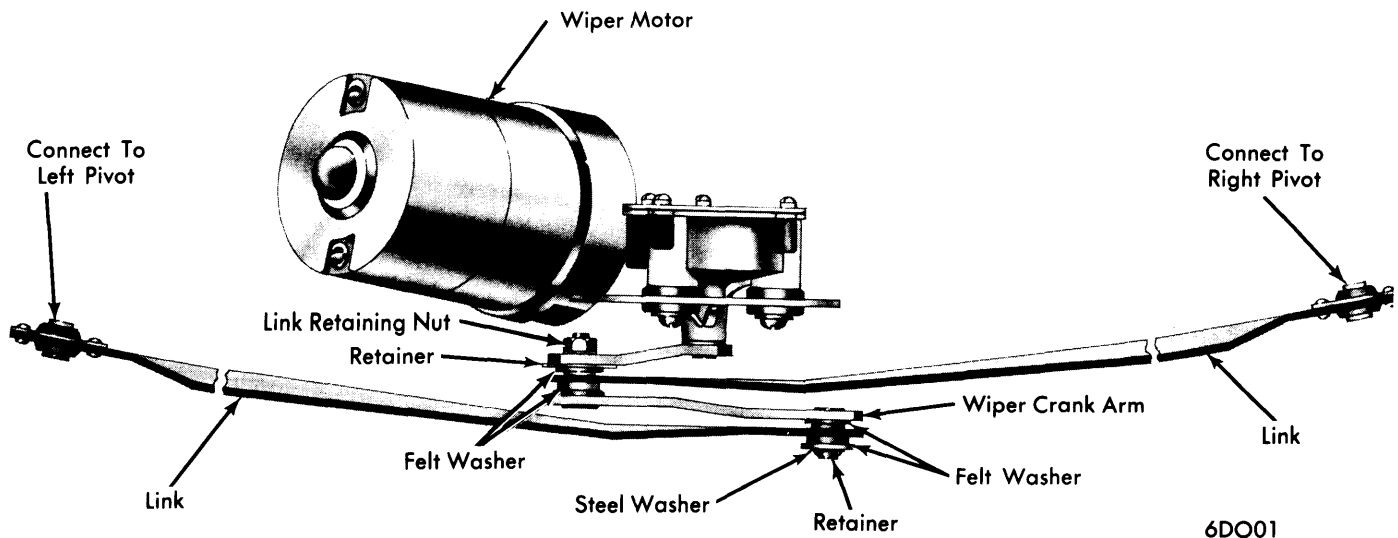
WIPER SWITCH (SINGLE SPEED)

1) Remove switch from instrument panel and connect a test lamp between "B" terminal of switch and negative battery post. Connect negative battery terminal to "P" terminal of switch. Lamp should remain lighted with switch in either "ON" or "OFF" switch positions. Replace switch assembly if lamp fails to light.

2) Connect negative battery terminal to "R" terminal of switch. Lamp should light when switch is turned "ON" and go out when switch is turned "OFF".

WIPER SWITCH (VARIABLE SPEED)

Remove switch from instrument panel and connect a wire from battery negative terminal to case of switch and another wire from battery negative terminal to "F1" terminal of switch. Connect a test lamp between battery positive terminal and "B" terminal of switch. Lamp should light when switch is turned "ON" and gradually dim as switch is rotated clockwise. Lamp should go out when switch is turned "OFF". Service switch as an assembly only.



WIPER MOTOR AND LINKS (TYPICAL)

1965-70 DODGE ELECTRIC – SINGLE & VARIABLE SPEED (Cont.)

REMOVAL & INSTALLATION

WIPER MOTOR

Town Panel & Town Wagon (1965-66) – Disconnect negative battery cable, links at wiper motor crank and wiper motor wires at switch. Remove two attaching nuts securing wiper motor to cowl panel. Remove motor from below instrument panel. To install, reverse removal procedure.

A-100 Models (1965-70) – *NOTE* – *Following procedure is for vehicles equipped with Model 90 heater. For vehicles without heater, motor is serviced from under instrument panel.* Disconnect negative battery cable and remove glove box and ash tray. Remove instrument cluster mounting screws and tilt cluster out opening. Disconnect wiring to switch. From under instrument panel, disconnect wiper links at pivots by removing link retaining clips and lifting links off pivots. Remove wiper motor attaching bolts and remove wiper motor, mounting plate and links as an assembly through glove box opening. To install, reverse removal procedure.

All Other Models (1965-66) – Disconnect negative battery cable, remove cowl opening grill and remove connecting link retaining clip from motor crank. Disengage link from the pin having connecting link on pivot. Remove link retaining clip from opposite pivot and disengage link from pivot pin, leaving link attached to motor. Disconnect wiper motor lead

wires at switch. Remove motor bracket attaching nuts from below instrument panel and remove wiper motor and attached link. To install, reverse removal procedure.

All Other Models (1967-68) – Disconnect negative battery cable, remove wiper arm and blade assemblies, then remove air cowl grille. Remove nut retaining left link to intermediate crank arm and felt washers from crank arm pin. Carefully pry link and intermediate crank arm from crank arm pin. Leave link and intermediate arm in chamber. Disconnect motor harness connector and remove left defroster hose from heater outlet. Remove motor attaching nuts and remove motor. To install, reverse removal procedure.

OVERHAUL

WIPER MOTOR

Disassembly – Remove switch plate, crank arm nut, washers and motor crank arm. Lift out nylon gear. *NOTE* – *Note position of gear to insure proper reassembly.* Remove end head through bolts and carefully pull off end head. Remove armature.

Reassembly – Reverse disassembly procedure while noting the following: Adjust armature shaft end play by turning adjustment screw in until it bottoms and back nut off ¼ turn.