AMERICAN MOTORS

DESCRIPTION

Two speed electric wipers and washers are standard equipment on all series. Optional equipment is an intermittent wiper system which provides a pause between wipe cycles for use in light rain conditions. Wiper arms are actuated by a link and pivot assembly attached to wiper motor. Wiper arms move in a tandem link motion and park on right side of windshield.

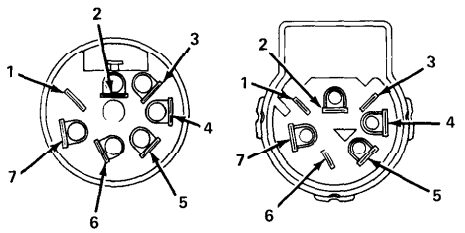
CAUTION — *Do not move wiper arms manually from side to side, or damage will result.*

TESTING

WIPER SWITCH TESTS

1) Check continuity using a test lamp or ohmmeter. Continuity should exist between various switch positions as shown in chart *(Fig. 1)*.

2) Variable resistance between terminals "4" and "5" must be checked with an ohmmeter. The resistance controls governor operation for intermittent wipe. If intermittent wipe is inoperative, but system will operate at high and low speeds, this resistance should be checked. With switch control knob



	STANDARD	INTERMITTENT
Off or Park	1-2 3-4	1-2 4-5
Low Speed	1-2-3	1-2 4-5 to case 4-5
High Speed	1-2-5	1-2-3 4-5 to Case 4-5
Intermittent		1-2 4-5 to Case
Wash	1-2 6-7	1-2 6-7

Fig. 1 Continuity Test Chart for Wiper Switches

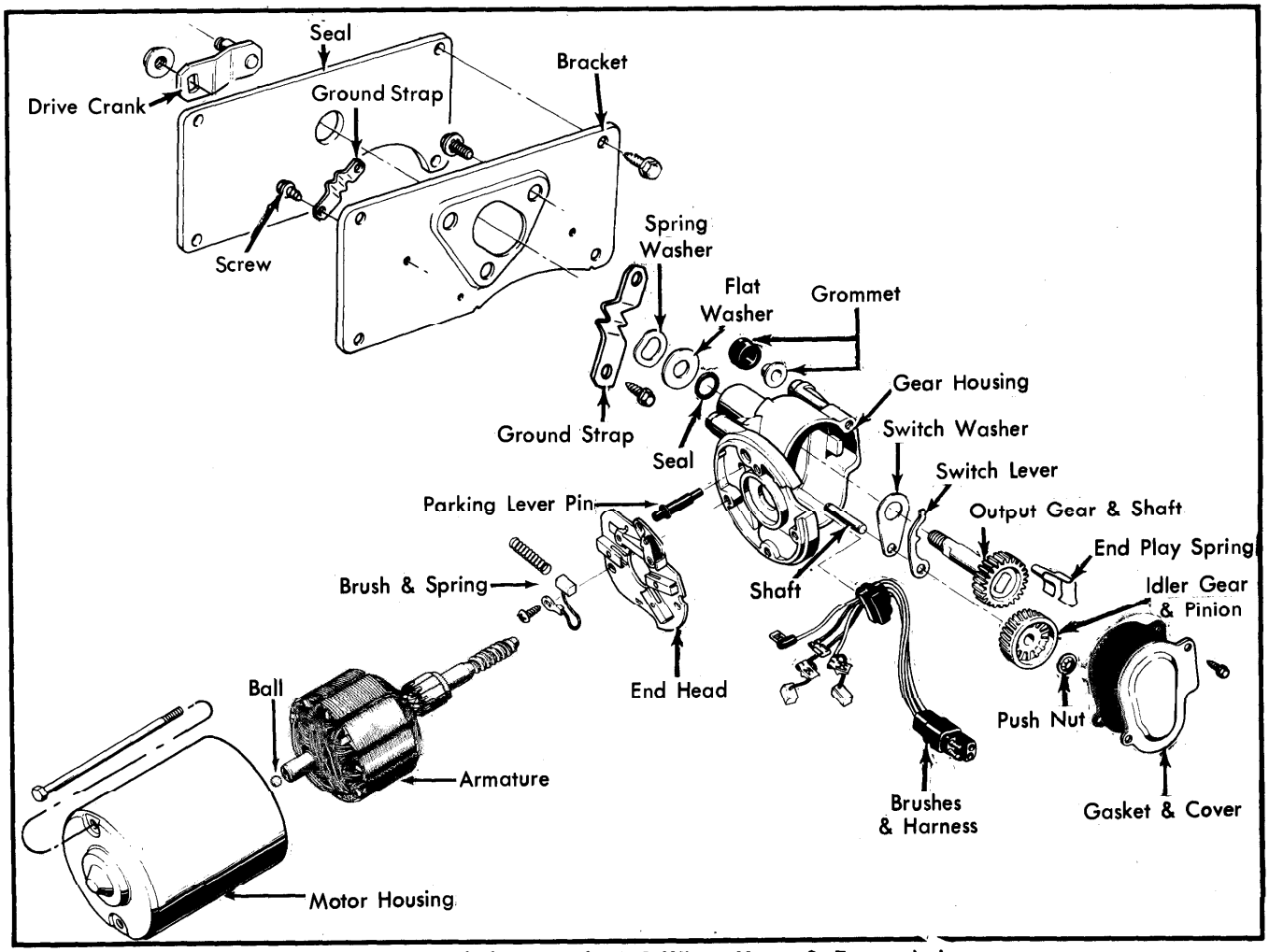


Fig. 2 Exploded View of AMC Wiper Motor & Transmission

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rotated to full counterclockwise position, ohmmeter should indicate 5,600 to 8,400 ohms. As control knob is rotated in a clockwise direction, resistance should decrease to minimum of 100 to 900 ohms.

3) If continuity and resistance do not exist as specified, replace switch.

WIPER MOTOR TEST

Remove wiper arms and disconnect motor lead. Connect negative lead of ammeter to positive battery terminal. Connect other ammeter lead to white wire terminal (low speed) of motor harness. Current draw should be about 1 amp, and not more than 3 amps. Then connect current to blue wire (high speed); current draw should be the same.

WIPER MOTOR PARK TEST

Disconnect motor wiring. Temporarily connect a battery lead to either the white or blue wire to move wiper arms up on windshield. Connect a jumper between white and black terminals, then connect battery power to red wire. Motor should operate until wipers reach park position.

INTERMITTENT GOVERNOR

Intermittent governor cannot be tested. If all other components in system check out properly and governor does not operate, replace governor.

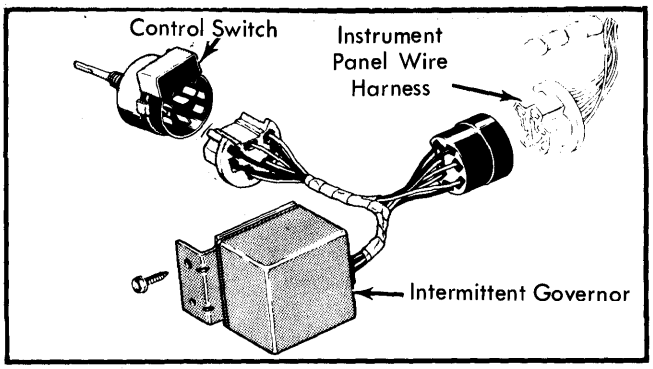

Fig. 3 Windshield Wiper Instrument Panel Wiring Showing Intermittent Governor

REMOVAL & INSTALLATION

WIPER MOTOR

Remove wiper arms. Remove 4 screws holding motor to dash panel. Separate wiper motor wiring connector. Pull motor and linkage out from opening to expose drive link-to-crank stud retaining clip. Raise lock tab of clip with screwdriver and slide clip off stud. Remove motor. To install, reverse removal procedure.

INTERMITTENT GOVERNOR

The governor is a 2 inch cube attached to instrument panel bracket by wiper switch. The long lead plugs into the wiper control switch; the short lead plugs into the instrument panel harness. Remove bracket attaching screws and disconnect wiring to remove governor. Connect wiring and tighten screws to install.

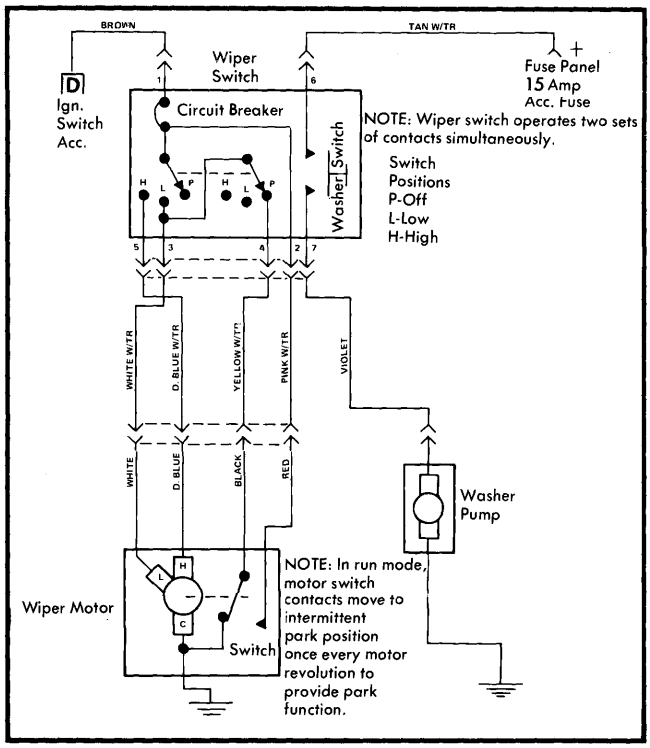

Fig. 4 AMC Standard Wiper System Wiring Diagram

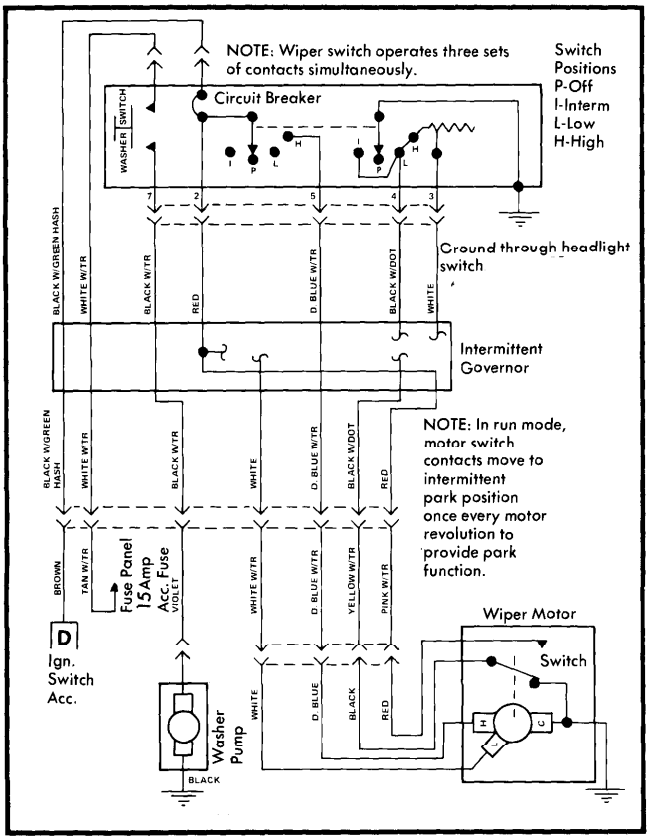

Fig. 5 AMC Intermittent Wiper System Wiring Diagram