

and **High** being the last (counter-clockwise) detent position.

In any wiper mode, if the knob is pushed all the way in, the washer circuit will be completed.

Wiper Switch Removal

(1) Remove steering wheel. (With tilt column only, remove lock plate cover and lock plate). Refer to Group 19, Steering.

(2) Remove lower instrument panel bezel. Refer to instrument panel of this Group.

(3) The following steps apply only to vehicles equipped with tilt steering column. All others proceed to step 4.

(a) Remove gearshift indicator.

(b) Remove two nuts mounting column to lower panel reinforcement.

(c) Remove mounting bracket from steering column by removing four attaching bolts.

(4) Remove wiring trough from steering column by unsnapping 4 plastic retainer clips.

(5) Remove turn signal switch.

(6) Remove two screws that attach the lock housing cover and remove lock housing cover.

(7) Gently pull wiper switch up from column while straightening and guiding wires up through column opening.

Installation

Reverse the removal procedure.

WINDSHIELD WIPER MOTOR

Removal

(1) Disconnect battery ground cable.

(2) Remove cowl screen.

(3) Hold the drive crank with a wrench while removing the crank nut (to prevent overloading the gears). Remove the drive crank from the motor. Disconnect wiring to motor.

Installation

(1) Position motor on the three studs on dash panel. Make certain rubber gasket and spacers between motor and dash panels are properly positioned.

(2) Install the three nuts that mount motor to dash panel and connect wiring to motor. Make sure ground strap is installed under one nut.

(3) Index the flats on the drive crank arm to mate with flats on the motor shaft. Start the crank nut being careful that the drive crank remains indexed. Hold the drive crank with a second wrench (to prevent overloading the motor gears) and tighten the nut to 95 in. lbs. (11 N·m).

(4) Connect battery ground cable and test operation of wiper motor.

(5) Install cowl screen, making sure washer hoses are not pinched by cowl screen.

(6) Operate system and verify correct operation.

WINDSHIELD WASHERS

INDEX

	Page		Page
General Information	130	Installation	131
Nozzle Adjustment	130	Removal	130
Windshield Washer Diagnosis	132	Service Parts Package	130
Windshield Washer Pump	130		

GENERAL INFORMATION

All models are equipped with electric operated windshield washer pumps (Figs. 1 and 2).

The electric pump assembly is mounted directly to the reservoir. A permanently lubricated sealed motor is coupled to a rotor type pump. Fluid, gravity fed from the reservoir, is forced by the pump through rubber hoses to the nozzles which direct the streams to the windshield.

The pump and reservoir are serviced as separate assemblies.

NOZZLE ADJUSTMENT (Fig. 3)

For lateral adjustment loosen the mounting screws and move the nozzle and bracket assembly until the nozzle is centered between the grille louvers. Vertical nozzle adjustment is made by

bending the nozzle mounting bracket up or down.

Adjust nozzles so that the impact point of the upper stream contacts the windshield glass as shown in Figure 3. The lower stream should impact the glass in the wiper pattern area, when the upper stream is aimed properly. If not the nozzle is defective and should be replaced.

WINDSHIELD WASHER PUMP

Service Parts Package

The service package for all models contains pump with two electrical terminals and rubber grommet, (Fig. 2).

Removal

(1) If so equipped disconnect electrical leads