

# Wiper/Washer Systems

## VOLVO DL, GL, GLE, GLT & GLT Turbo

### DESCRIPTION

All models are equipped with intermediate wipers. The lever on the right side of the steering column operates both washers and wipers. Station wagon models have a rear window wiper operated by a switch on the wiper lever.

A button at the end of the lever operates the rear washer. Both front and rear washers are supplied from the same reservoir, but each system has its own pump. The rear pump is marked with a blue dot.

### OPERATION

When the lever is lifted up from its normal position, the wipers operate every 7 seconds. When the lever is pulled down to the first detent, the wipers operate until it is released.

When the lever is pulled to the second detent, the wipers operate at low speed. When the lever is moved to the third detent, high speed is selected. The front washer is operated by pulling the lever toward the driver. The wipers will cycle 2 to 3 times after the lever is released.

**NOTE:** The interval relays are located under a footplate near the left kick panel. The front relay is black and the rear relay is blue.

The rear wiper is off when the switch (on the wiper lever) is in the middle position. With the switch moved toward the steering column, the rear wiper cycles every 5-15 seconds.

With the switch moved away from the column, the wiper operates at normal speed. The rear washer runs when the button at the end of the lever is pressed. The

wiper will operate 2 or 3 cycles after the button is released.

### ADJUSTMENT

#### WINDSHIELD WASHER NOZZLES

Insert a needle or pin into washer nozzle. Rotate until spray hits windshield 12" (30 cm) from sides and 4-8" (10-20 cm) down from top edge.

### REMOVAL & INSTALLATION

#### FRONT WIPER MOTOR ASSEMBLY

##### Removal

1) Disconnect battery ground cable. Remove side panel and panel under dashboard. Remove defroster hoses. Remove glove box.

2) Lift wiper arm pivot cover and remove shaft nut. Remove wiper arm. Disconnect wiper arm assembly and lift out through glove box.

##### Installation

To install, reverse removal procedure. Tighten shaft nut to 15 ft. lbs. (20 N.m).

#### REAR WIPER MOTOR ASSEMBLY

##### Removal

Disconnect battery ground cable. Remove inside tailgate panel. Remove screws holding wiper motor plate. Disconnect wiper motor link and lift out motor. Label wires for installation and disconnect wiring.

##### Installation

To install, reverse removal procedure.

Fig. 1: Volvo Wiper/Washer System Wiring Diagram

