

TURN SIGNAL AND FLASHERS

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DESCRIPTION AND OPERATION

MULTI-FUNCTION SWITCH

WARNING: ON VEHICLES EQUIPPED WITH AIR-BAG, SEE GROUP 8M, RESTRAINT SYSTEMS FOR AIRBAG REMOVAL PROCEDURES.

The multi-function switch (Fig. 1) contains:

- Turn signals
- Hazard warning
- Headlamps
- Headlamp beam select
- Park lamps
- Panel dimmer
- Front Fog Lamp
- Rear Fog Lamp
- Headlamp optical horn
- Windshield wiper
- Pulse wipe
- Mist wipe
- Windshield / Headlamp washer switches.

The multi-function switch is mounted center of the steering column. There are two levers, one on each side of the steering column. The left side controls the signaling and lighting. The right side controls the windshield wiper / washer and headlamp washer system. When the driver wishes to signal his intentions to change direction of travel, he moves the left lever upward to cause the right signals to flash and downward to cause the left signals to flash. After completion of a turn the system is deactivated automatically. As the steering wheel returns to the straight ahead position the turn signals are canceled. A canceling cam is molded to the clockspring mechanism which comes in contact with the cancel actuator on the multi-function switch. The canceling cam lobe pushes on the cancel actuator and returns the switch to the off position.

If only momentary signaling such as indication of a lane change is desired, the switch is actuated to a left or right intermediate detent position. In this

position the signal lamps flash as described above, but the switch returns to the OFF position as soon as the lever is released.

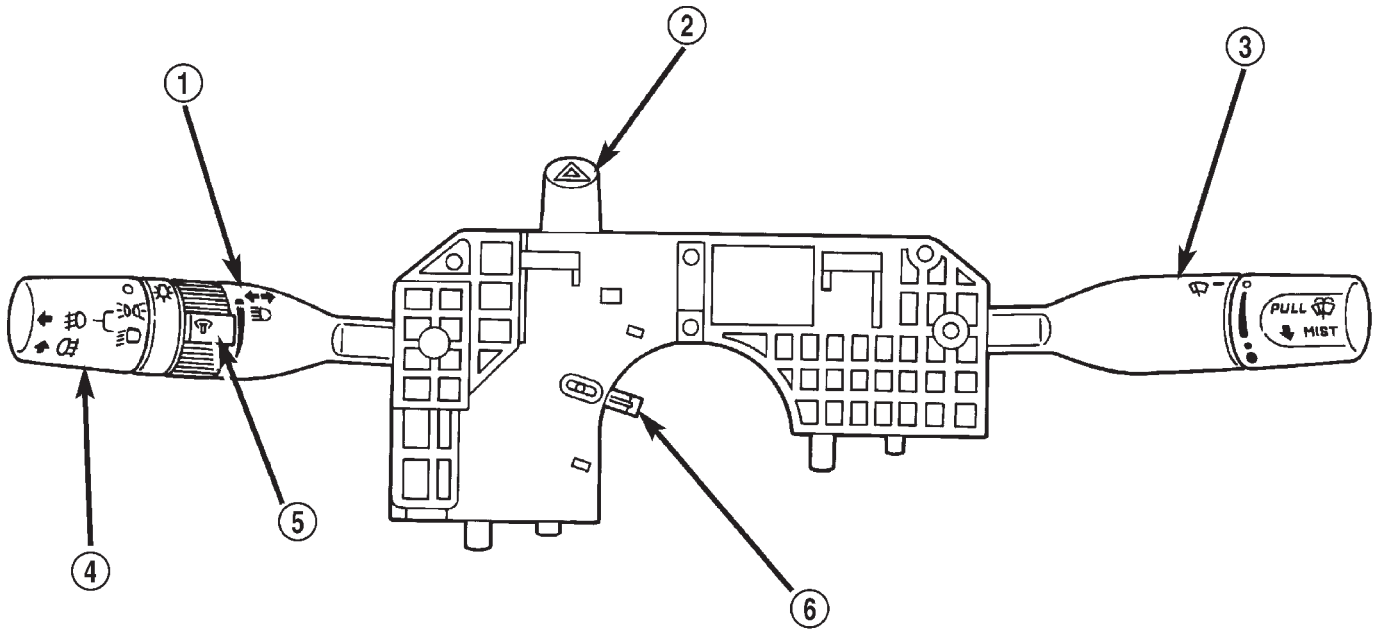
When the system is activated, one of two indicator lamps mounted in the instrument cluster flashes in unison with the turn signal lamps, indicating to the driver that the system is operating. The windshield wiper / wash and headlamp wash system is covered in Group 8K, Wiper and Washer Systems.

EXTERIOR LAMPS

To turn lamps ON:

- Park lamps, using left stalk turn headlamp switch to the first detent
 - Headlamps, turn switch to second detent
 - Headlamp beam select, from low beam to high beam or high to low, pull left stalk towards steering wheel. The ignition switch must be in the RUN position for the instrument panel high beam indicator to light.
 - Headlamp optical horn, pull left stalk towards steering wheel, headlamps will stay ON as long as stalk is held.
- Front Fog lamps, pull switch outward with park lamps or headlamps ON.
- Rear Fog lamps, pull switch outward with park lamps or headlamps on and turn switch to the third detent.
- Panel dimmer, rotating dimmer switch regulates intensity of the instrument panel illumination. There are nine detentes (steps) of intensity. Detent 1 is full brightness and each detent thereafter is lower. Testing the dimmer switch using the continuity test, the resistance value is measured for each detent. Detents 3 through 8 are measured in equal graduations, up or down and referred to as linear. Example: if detent 3 was 5 ohms and detent 4 was 7 ohms detent 5 should be 9 ohms.

DESCRIPTION AND OPERATION (Continued)



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Fig. 1 Multi - Function Switch

- 1 - TURN SIGNAL CONTROL STALK
- 2 - HAZARD WARNING BUTTON
- 3 - WINDSHIELD WIPER/WASHER CONTROL

- 4 - EXTERIOR LIGHTING CONTROL
- 5 - PANEL DIMMER SWITCH
- 6 - CANCELING CAM

DIAGNOSIS AND TESTING

MULTI-FUNCTION SWITCH

- (1) Remove multi-function switch.
 - (2) Using an ohmmeter, test for continuity (no resistance) between the terminals of the switch as shown in the following continuity charts (Fig. 2).
- The switch assembly is mounted center of the steering column. Should any function of the switch fail, the entire switch assembly must be replaced.

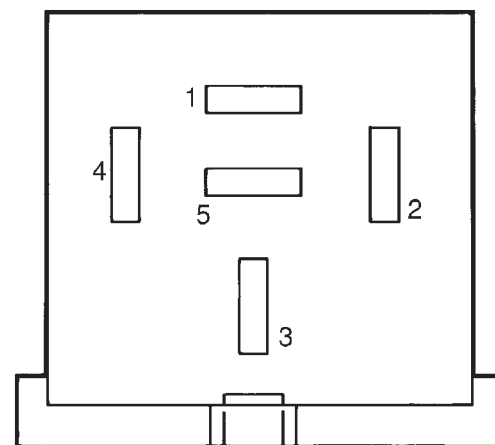
REMOVAL AND INSTALLATION

COMBINATION FLASHER

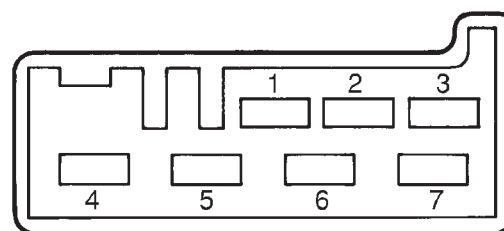
The flasher is mounted to the back side of the multi-function switch. To gain access the upper steering column cover must be removed. The flasher can be removed by pulling it forward. The flasher is serviced separately from the multi-function switch. The flasher is blue in color for ease of identification.

REMOVAL AND INSTALLATION (Continued)

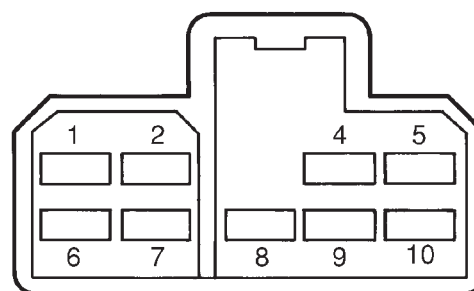
SWITCH POSITION	MODE	CONTINUITY BETWEEN
TURN SIGNAL with HAZARD WARNING SWITCH OFF	RIGHT	A-1 and B-6
	LEFT	A-1 and B-7
TURN SIGNAL with HAZARD WARNING SWITCH OFF	RIGHT or OFF or LEFT	A-1 and B-6 A-2 and A-5 A-1 and B-7 B-6 and B-7
HEADLAMP BEAM ON	PARK	C-2 and C-1
	LOW	C-2 and C-1 C-4 and C-7
	HIGH	C-2 and C-1 C-4 and C-8
PANEL DIMMER DETENT	1 2 3 to 8 9	A-2 and C-6 <100Ω 300 to 2630Ω LINEAR 4.99k to 10.5kΩ
OPTICAL HORN	ON	C-4 and C-8
FRONT FOG	ON	C-9 and C-10
REAR FOG	ON	C-4 and C-5 C-2 and C-7 C-1 and C-10
WIPER	INT DETENT	B-3 and B-2 11.87kΩ
	1	9.87kΩ
	2	7.87kΩ
	3	5.87kΩ
	4	3.87kΩ
	5	1.87Ω
	6	
	LOW	B-3 and B-2 1.25kΩ
	HIGH	B-3 and B-2 0.82Ω
MIST	ON	B-3 and B-2 1.25kΩ
WASHER	ON	B-3 and B-1



COMBO-FLASHER-A



7-WAY CONNECTOR-B



10-WAY CONNECTOR-C

Fig. 2

