

General Information

The multifunction turn signal switch is mounted on the left-hand side of the steering column just below the steering wheel. The switch controls the following functions:

- The turn signals
- The windshield wipers and washers
- The headlight dimmer/flash to pass
- The hazard warning flasher

The switch uses a low current resistive ladder network for the switch functions. Low current switches allow the use of smaller diameter wires and the resistive ladder network reduces the number of wires. Each switch function corresponds to a resistive output. The resistive ladder output is connected to the Instrumentation Control Unit (ICU3-M2) where the signals are processed and sent to the Bulkhead Module to actuate high current devices such as the headlamps, turn signals and wiper motor. The hazard switch is a traditional switch and is directly wired to the Bulkhead Module.

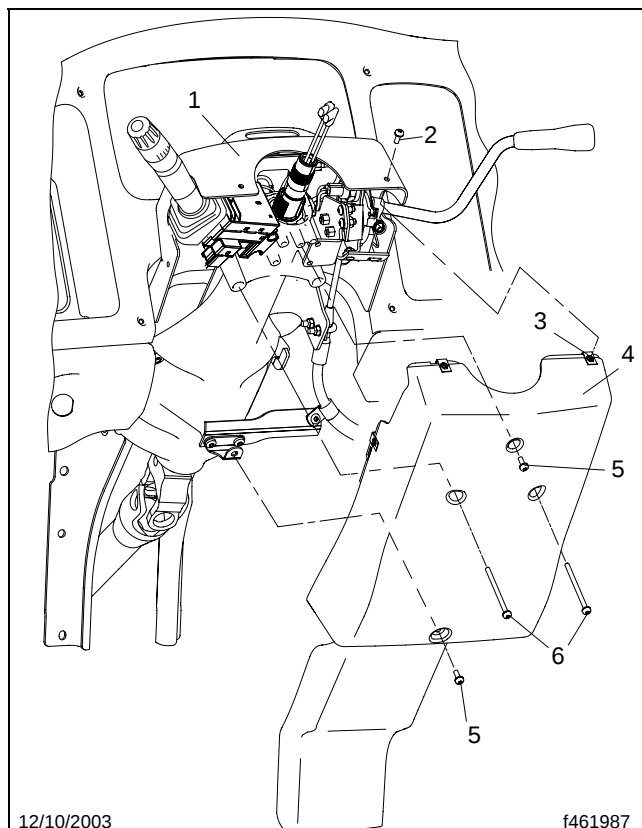
Multifunction Turn Signal Switch Removal and Installation

Removal

1. Disconnect the negative leads from the batteries.

NOTE: The multifunction turn signal switch is mounted on the left-hand side of the steering column just below the steering wheel.

2. Remove the steering column clamshell cover assembly by removing the eight machine capscrews securing the two pieces. See **Fig. 1**.
3. Remove the multifunction turn signal switch.



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NOTE: Steering wheel shown removed for clarity.

1. Upper Clamshell Cover
2. Machine Capscrew
3. Spring Nut
4. Lower Clamshell Cover
5. M5 x 0.8 Machine Capscrew, 12 mm Long
6. M5 x 0.8 Machine Capscrew, 70 mm Long

Fig. 1, Remove the Steering Column Clamshell Cover Assembly

- 3.1 Remove the two panhead mounting capscrews. See **Fig. 2**.
- 3.2 Disconnect the two electrical harness connectors.

Installation

1. Plug in the two electrical harness connectors.
2. Properly orient the multifunction turn signal switch and secure the two panhead mounting capscrews (M6 x 1.0, 15 mm long). Torque 7 lbf·ft (9 N·m). See **Fig. 2**.
3. Connect the batteries.
4. Verify operation of the switch functions.
5. Install the steering column clamshell cover. See **Fig. 1**.

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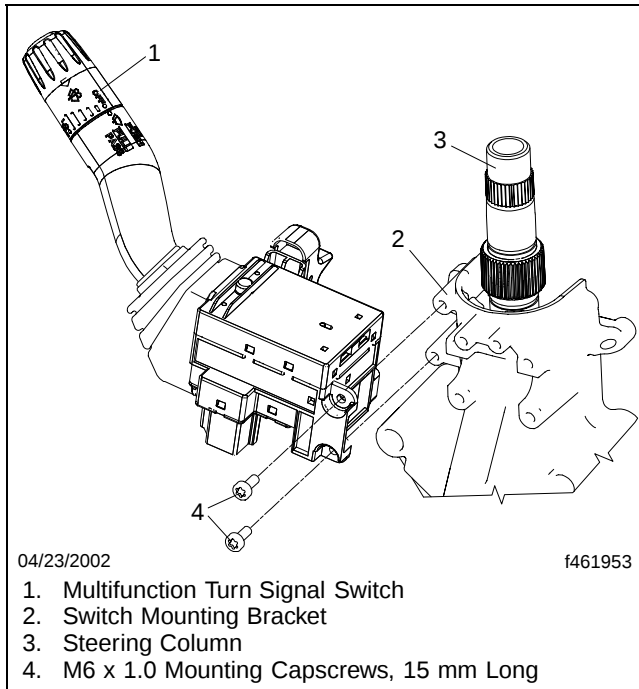


Fig. 2, Remove the Mounting Capscrews

Specifications

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For multifunction turn signal switch resistor values, see **Table 1**.

For multifunction turn signal switch resistance range values, see **Table 2**.

See **Fig. 1** for a schematic of the multifunction turn signal switch.

Resistor Values		
Description	Resistor	Value in Ohms
Pin 6 Wiper Off (Normal Position)	R1	24
Pin 6 Wiper Intermittent 1	R2	56
Pin 6 Wiper Intermittent 2	R3	100
Pin 6 Wiper Intermittent 3	R4	160
Pin 6 Wiper Intermittent 4	R5	240
Pin 6 Wiper Intermittent 5	R6	390
Pin 6 Wiper Low Speed	R7	680
Pin 6 Wiper High Speed	R8	1600
Pin 5 Normal Position	R9	1500
Pin 5 Windshield Washer	R10	300
Pin 5 High Beam/Flash High Beam	R11	180
Pin 4 Normal Position	R12	1500
Pin 4 Left Turn Signal	R13	300
Pin 4 Right Turn Signal	R14	180

Table 1, Resistor Values

Resistance Range Values		
Description	Resistor	Resistance Range in Ohms
Pin 6 Wiper Off (Normal Position)	R1	23.8 – 24.2
Pin 6 Wiper Intermittent 1	R2	55.4 – 56.6
Pin 6 Wiper Intermittent 2	R3	99.0 – 101.0
Pin 6 Wiper Intermittent 3	R4	158.4 – 161.6
Pin 6 Wiper Intermittent 4	R5	237.6 – 242.4
Pin 6 Wiper Intermittent 5	R6	386.1 – 393.9
Pin 6 Wiper Low Speed	R7	673.2 – 686.8
Pin 6 Wiper High Speed	R8	1584.0 – 1616.0
Pin 5 Normal Position	R9	1485.0 – 1515.0
Pin 5 Windshield Washer	R9 and R10 in parallel	247.5 – 252.5
Pin 5 High Beam/Flash High Beam	R9 and R11 in parallel	159.1 – 162.3
Pin 5 Washer and High Beam	R9, R10 and R11 in parallel	103.6 – 105.7
Pin 4 Normal Position	R12	1485.0 – 1515.0

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Resistance Range Values		
Description	Resistor	Resistance Range in Ohms
Pin 4 Left Turn Signal	R12 and R13 in parallel	247.5 – 252.5
Pin 4 Right Turn Signal	R12 and R14 in parallel	159.1 – 162.3

Table 2, Resistance Range Values

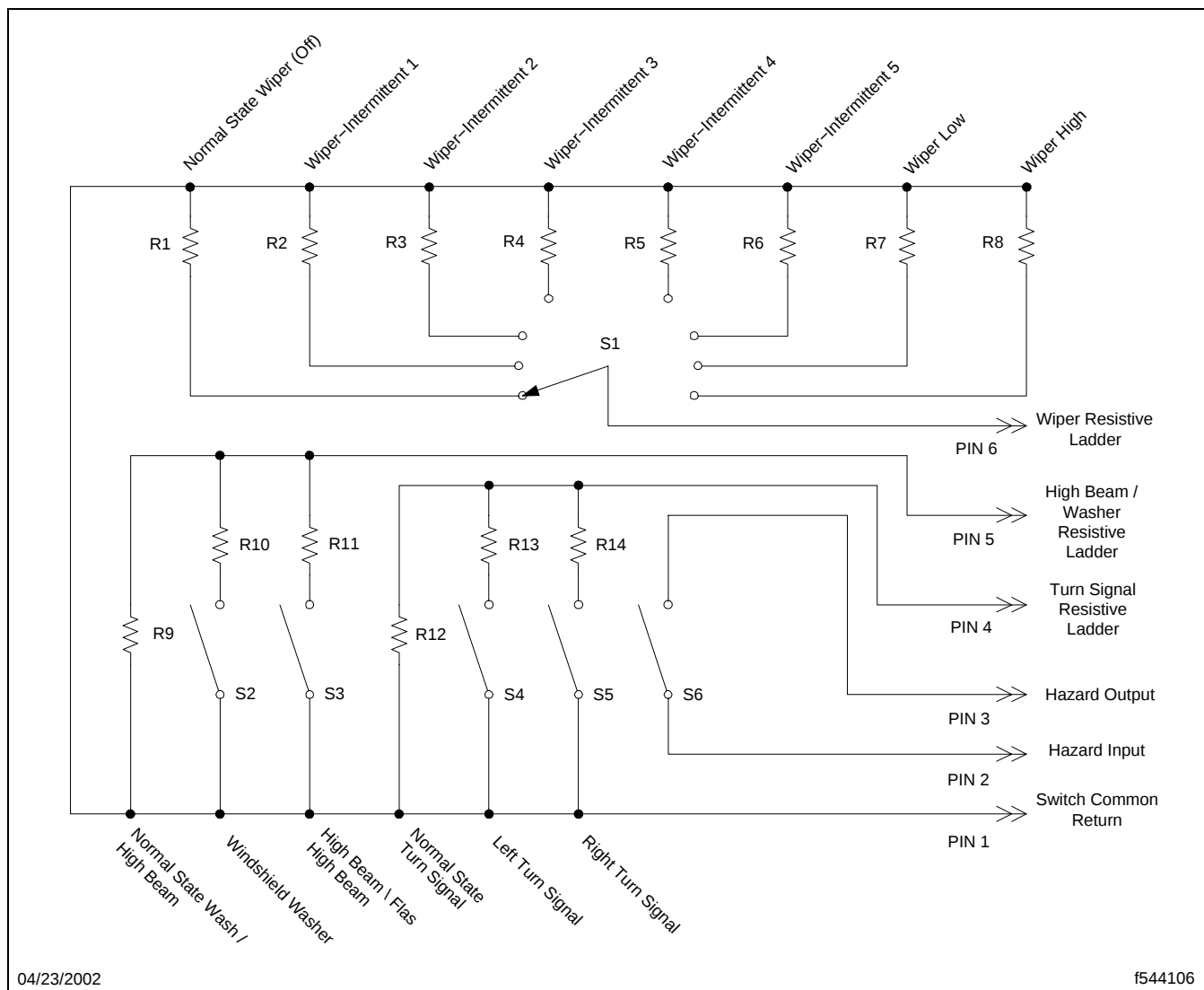


Fig. 1, Multifunction Turn Signal Switch Schematic