

Component Procedures: Cruise Control Switch

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Component Procedures: Cruise Control Switch

Parts and Labor (itype_189)

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	One	B	0.4	0.3

Components (itype_392)

SYSTEM DESCRIPTION

Two separate

speed control switch

modules are mounted on the steering wheel to the left and right side of the driver's airbag module. Within the

two switch modules, five momentary contact switches, supporting seven different

speed control

functions are used. The outputs from these switches are filtered into one input. The Powertrain Control Module

(PCM)

determines which output has been applied through resistive multiplexing. The input circuit voltage is measured

by the PCM to determine which switch function has been selected.

A speed control indicator lamp, located on the instrument panel cluster is energized by the PCM via the CCD

Bus. This occurs when speed control system power has been turned ON, and the engine is running.

The two switch modules are labeled: ON/OFF, SET, RESUME/ACCEL, CANCEL and COAST. Refer to the owner's manual

for more information on speed control switch functions and setting procedures. The individual switches cannot

be repaired. If one individual switch fails, the switch module must be replaced.

SPEED CONTROL SWITCHES-PCM INPUT

Two separate speed control switch modules are mounted on the steering wheel to the left and right side of the

driver's airbag module. Within the two switch modules, five momentary contact switches, supporting seven

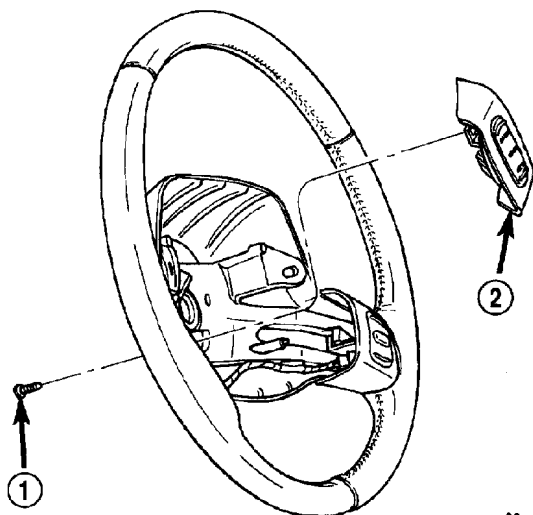
different speed control functions are used. The outputs from these switches are filtered into one input. The

Powertrain Control Module (PCM) determines which output has been applied through resistive multiplexing. The

input circuit voltage is measured by the PCM to determine which switch function has been selected.

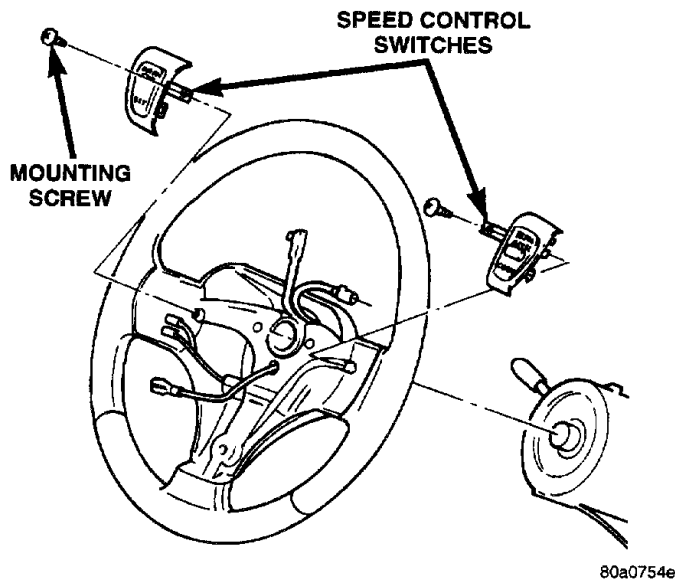
The two switch modules are labeled: ON/OFF SET, RESUME/ACCEL, CANCEL and COAST. Refer to Speed Control System for more information.

Components (itype_32)

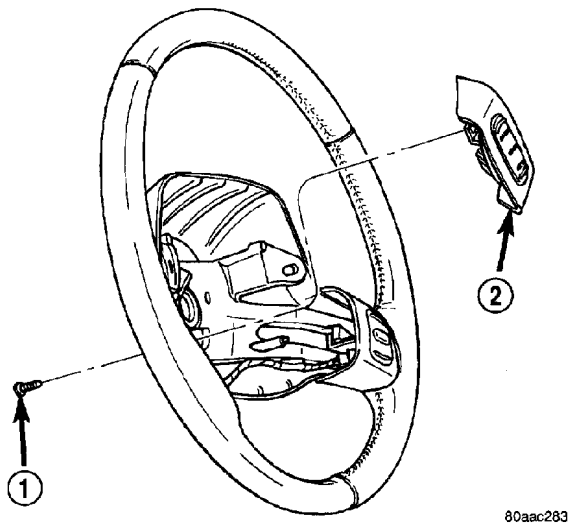


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- 1 - MOUNTING SCREW
- 2 - SPEED CONTROL SWITCH



Procedures (itype_376)



- 1 - MOUNTING SCREW
- 2 - SPEED CONTROL SWITCH

Technician Safety Information (itype_15)

WARNING: BEFORE ATTEMPTING TO DIAGNOSE, REMOVE OR INSTALL ANY AIRBAG SYSTEM OR RELATED STEERING WHEEL AND STEERING COLUMN COMPONENTS YOU MUST FIRST DISCONNECT AND ISOLATE THE BATTERY NEGATIVE (GROUND) CABLE. WAIT SEVERAL MINUTES FOR SYSTEM CAPACITOR TO DISCHARGE BEFORE FURTHER SYSTEM SERVICE. FAILURE TO DO SO COULD RESULT IN ACCIDENTAL DEPLOYMENT AND POSSIBLE PERSONAL INJURY

Mechanical (including Torque) (itype_28)

Tighten speed control switch mounting screw to 1.5 N.m (14 in. lbs.) torque.

Component Tests and General Diagnostics (itype_383)

To perform a complete test of the speed control switch circuits, refer to the appropriate Powertrain Diagnostic Procedures.