

Component Procedures: Air Bag Control Module

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Component Procedures: Air Bag Control Module

Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
SDM Module	13592407	Sdm Module	0.00	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Supplemental Restraint System > Diagnostic Mo?	B	1.4	1.1

Restraints Control Module Replacement (Article 13325)

Callout Component Name

Warning: Do not strike or jolt the Restraints Control Module (RCM). Before applying power to the RCM, make sure that it is securely fastened. Failure to observe the correct installation procedure could cause Supplemental Inflatable Restraint (SIR) deployment, personal injury, or unnecessary SIR system repairs.

Warning: Refer to SIR Warning . Preliminary Procedures Disable the supplemental inflatable restraint (SIR) system. Refer to SIR Disabling and Enabling . Remove the console. Refer to Front Floor Console Replacement . Disconnect the electrical connectors.

Preliminary Procedures

- Disable the supplemental inflatable restraint (SIR) system. Refer to SIR Disabling and Enabling .
- Remove the console. Refer to Front Floor Console Replacement .
- Disconnect the electrical connectors.

1 Inflatable Restraint Sensing and Diagnostic Module Fastener (Qty: 3) Caution: Refer to Fastener Caution .

Tighten 7 Nm (56 lb in)

7 Nm (56 lb in)

2 Inflatable Restraint Sensing and Diagnostic Module Assembly Procedure Tighten down the inflatable restraint sensing and diagnostic module by all 3 fasteners. Connect the electrical connectors. If installing a replacement module, program the module. Refer to Control Module References .

Procedure

- Tighten down the inflatable restraint sensing and diagnostic module by all 3 fasteners.
- Connect the electrical connectors.
- If installing a replacement module, program the module. Refer to Control Module References .

Inflatable Restraint Sensing and Diagnostic Module Programming and Setup (Article 10741)

The inflatable restraint sensing and diagnostic module (SDM) must be programmed with the proper calibration software. The module stores and utilizes this information however if it is not properly configured with the correct calibration software, the SDM will not control all of the vehicle features properly.

Ensure that the following conditions exist in order to prepare for SDM programming:

- The battery is fully charged.
- The MDI data link connectors are secure.
- The scan tool is loaded with the most current software version.
- All disconnected modules and devices are reconnected securely.
- This entire procedure has been reviewed before proceeding.

Do not reprogram the SDM unless directed by a service procedure or a service bulletin.

- The air bag indicator light may remain ON after the body control module (BCM), or SDM is replaced, and during the programming procedure for the BCM until after the procedure is completed. When installing a new SDM, there may be several DTCs set prior to programming. Once programmed, these DTCs should be in history and can be cleared.

- Failure to complete the following Setup procedure may cause DTC B1001 to be set in the SDM.

The following service procedures require either a programming or a setup event performed for a complete repair:

Sensing and Diagnostic Module Replacement and/or Programming

If the inflatable restraint sensing and diagnostic module needs to be replaced and/or reprogrammed, the following procedures must be performed:

- Access SPS . Refer to Service Programming System (SPS) .
- Perform the SPS function Inflatable Restraint Sensing and Diagnostic Module Programming and follow the on-

screen instructions.

- Perform the SPS function Inflatable Restraint Sensing and Diagnostic Module Setup and follow the on-screen instructions.

- Clear DTCs after completing the programming procedure.

If the control module fails to program, proceed as follows:

- Ensure the DLC and Accessory Power Module connections are good.

- Inspect the Techline equipment for the latest software version.

- Ignition OFF, remove the SDM power fuse. Wait 2 min, install fuse, Ignition ON.

- Attempt to program the SDM. If the SDM still cannot be programmed properly, replace the SDM.