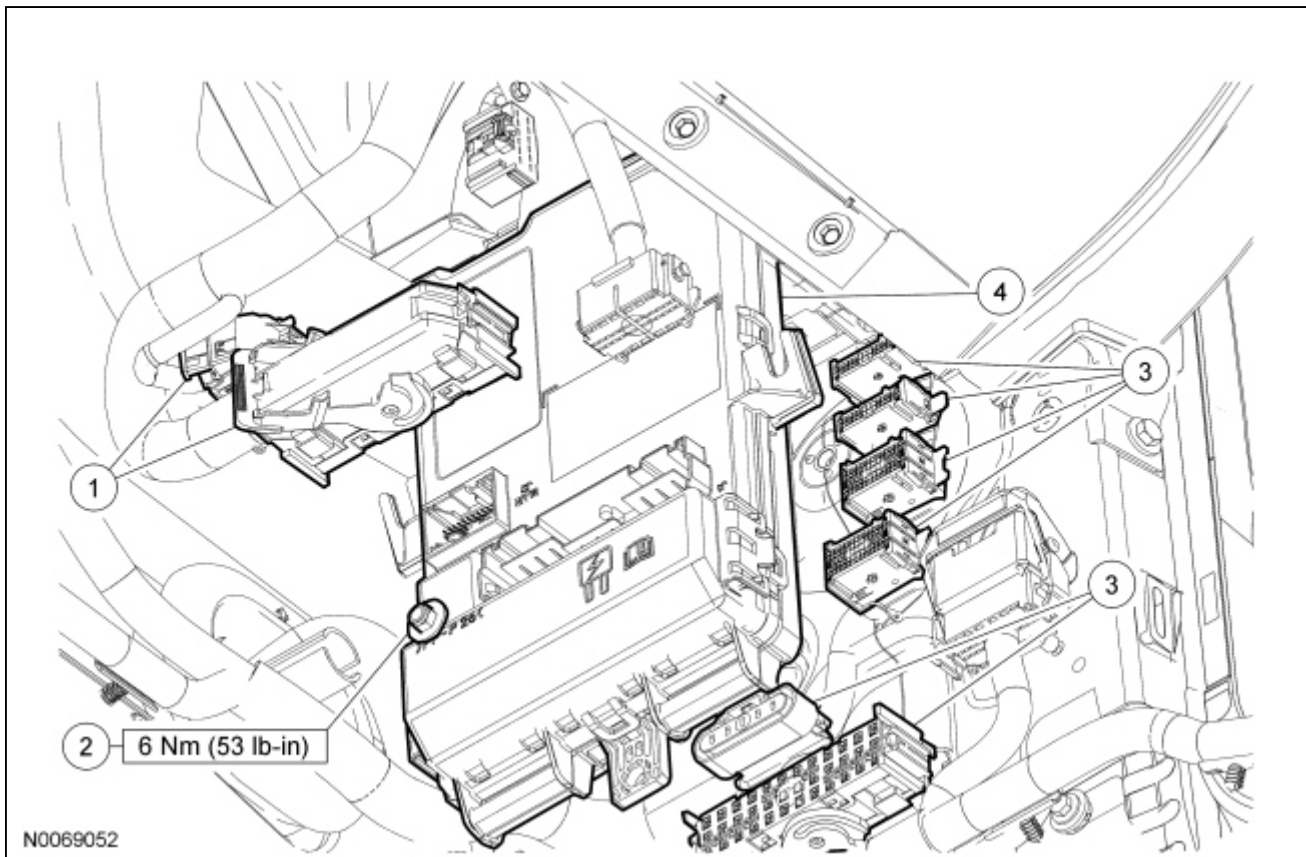


Smart Junction Box (SJB)



N0069052

Item	Part Number	Description
1	—	Front Smart Junction Box (SJB) electrical connectors (2 required) (part of 14401)
2	W702751	SJB nut
3	—	Rear SJB electrical connectors (6 required) (part of 14A005)
4	14B476	SJB

Removal

NOTICE: Electronic modules are sensitive to static electrical charges. If exposed to these charges, damage may result.

NOTE: Prior to the removal of the module, it is necessary to upload the module configuration information to a scan tool. This information must be downloaded into the new Smart Junction Box (SJB) after installation. For additional information, refer to [Section 418-01](#).

NOTE: The Tire Pressure Monitoring System (TPMS) functionality is integral to the [SJB](#).

NOTE: A new [SJB](#) is delivered in a manufacturing mode with 6 pre-set DTCs. These DTCs require that successful configuration of the [SJB](#) occurs, then successful [TPMS](#) sensor training occurs, then a successful self-test occurs, including clearing of DTCs. These steps are required in order to clear the 6 pre-set manufacturing mode DTCs. The 6 pre-set manufacturing mode DTCs are as follows:

- B2477 (Module Configuration Failure)
- B2868 (Left Front Tire Pressure Sensor Fault)

- B2869 (Right Front Tire Pressure Sensor Fault)
- B2870 (Right Rear Tire Pressure Sensor Fault)
- B2871 (Left Rear Tire Pressure Sensor Fault)
- C2780 ([ECU](#) in Manufacturer Sub-State)

1. **NOTE:** If the [SJB](#) is being replaced, follow this step. If the [SJB](#) is not being replaced, go to Step 2.

Upload the module configuration information from the [SJB](#) into the scan tool. For additional information, refer to [Section 418-01](#).

2. Remove the RH A-pillar lower trim panel. For additional information, refer to [Section 501-05](#).

3. **NOTE:** The [SJB](#) electrical connector levers must click into a fully released position before they can be removed.

Disconnect the 2 front [SJB](#) electrical connectors.

4. Remove the [SJB](#) nut.

5. Slide the [SJB](#) downward and position the [SJB](#) forward to access the rear electrical connectors.

6. **NOTE:** The [SJB](#) electrical connector levers must click into a fully released position before they can be removed.

Disconnect the 6 rear [SJB](#) electrical connectors and remove the [SJB](#).

Installation

NOTE: When a new [SJB](#) is installed, all customer Remote Keyless Entry (RKE) transmitters may be required to be present in order to program the [RKE](#) transmitters to the new [SJB](#).

1. **NOTICE:** Make sure the wiring harnesses are correctly routed. Pinching the wiring harnesses between the [SJB](#) and the mounting surface may cause damage to the wiring harness.

NOTE: Do not remove the watershield from the new [SJB](#).

NOTE: It is not necessary to remove the external [TPMS](#) / [RKE](#) antenna from the [SJB](#). Make sure it is securely fastened in the [SJB](#) housing clips and that it is properly connected to the [SJB](#) connection on the rear of the [SJB](#).

NOTE: The [SJB](#) electrical connector levers must click into a fully closed (connected) position when installing.

Connect the 6 rear [SJB](#) electrical connectors and install the [SJB](#).

2. Install the [SJB](#) nut.
 - Tighten to 6 Nm (53 lb-in).
3. **NOTE:** The [SJB](#) electrical connector levers must click into a fully closed (connected) position when installing.

Connect the 2 front [SJB](#) electrical connectors by fully engaging the levers until an audible click is heard.

4. **NOTE:** If the [SJB](#) was not replaced, the procedure is completed after this step. If the [SJB](#) was replaced, follow steps 4-7.

Install the RH A-pillar lower trim panel. For additional information, refer to [Section 501-05](#).

5. **NOTE:** When successful, this step also programs the [RKE](#) transmitters into the new [SJB](#). In the event the [RKE](#) transmitters do not program to the new [SJB](#), all of the [RKE](#) transmitters will need to be present and refer to [Section 501-14](#), Remote Keyless Entry Transmitter Programming. This action will program the

[RKE](#) transmitters into the new [SJB](#).

Download the [SJB](#) configuration information from the scan tool into the new [SJB](#). For additional information, refer to [Section 418-01](#).

6. Train the tire pressure sensors. For additional information, refer to [Section 204-04](#).
7. **NOTE:** This step is required to clear DTC C2780, allow the [SJB](#) to exit the manufacturing mode, and to be sure there are no other concerns (DTCs) with the newly programmed [SJB](#).

NOTE: DTC C2780 will not clear if any other DTCs are present in the [SJB](#).

Carry out the [SJB](#) self-test (must include an on-demand self-test). Clear the DTCs and then retrieve the DTCs to confirm all DTCs have been cleared.
