



Preliminary Information

PIT5759C Service Safety Restraints System With DTC B14DC SYM 1B and/or 13

Product Investigation Review Required

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Tahoe	2021	All	All	All	All
GMC	Yukon	2021	All	All	All	All

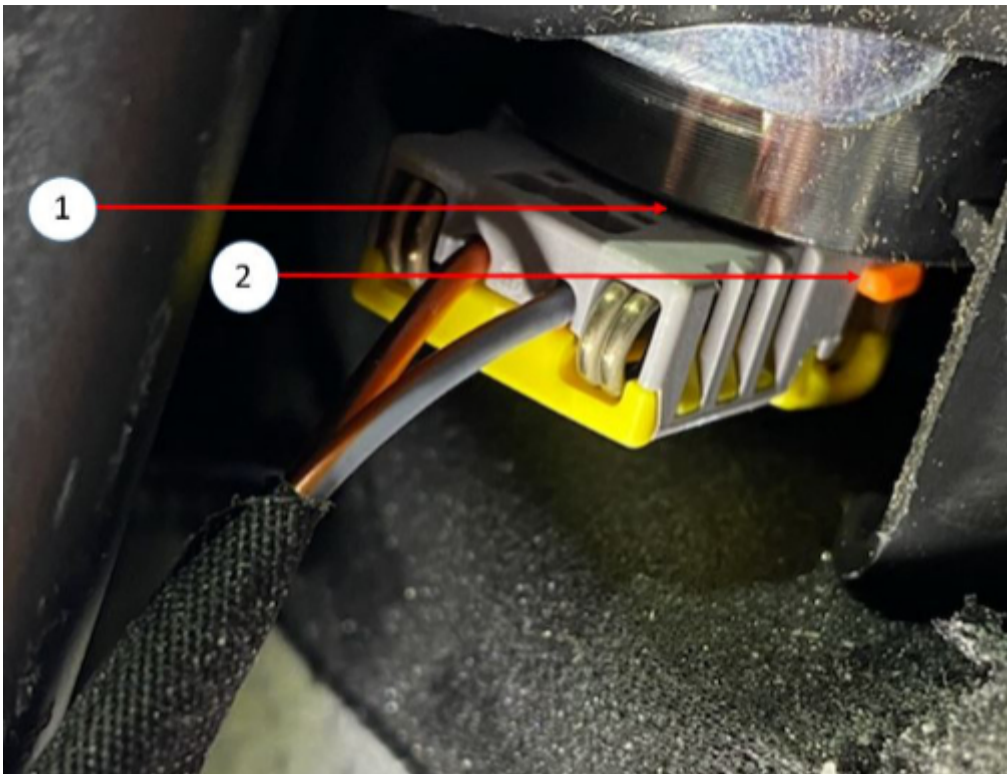
Involved Region or Country	North America
Additional Options (RPO)	AYQ
Condition	Some customers may comment on a "Service Safety Restraints System" message displayed on the DIC. When checking for DTCs, a B14DC symptom 1B and/or 13 will be set in the K36 Restraints Control Module. This DTC is for an open or high resistance in the F106DA Driver's front seat inboard airbag deployment loop.
Cause	Under investigation.

Correction:

Currently, GM engineering is investigating this concern. In the meantime, below is the latest information:

- The latest version of GDS2 has been updated and now can be used to monitor the Driver's front seat inboard air bag deployment loop resistance. Deployment loop 13 is for the Driver's front seat inboard air bag and can be found in GDS2 with the following pathing: Module Diagnostics/ K36 Restraints Control Module/ Data Display/ Deployment Loop 1-14 Resistance Data.
- If unable to duplicate the concern, it may help if the technician sits in the driver's seat and applies pressure to the inboard side of the seat back with his/her back. Use GDS2 to monitor the deployment loop 13 resistance. Normal resistance is between 1.74 – 3.41 ohms.
- It has been found that the F106DA Driver's front seat inboard air bag connector could be the cause of the high resistance. Inspect the F106DA Driver's front seat inboard air bag connector (shown below) to make sure it is fully seated tightly up against the airbag (1). Also, make sure the orange CPA is fully seated (2).

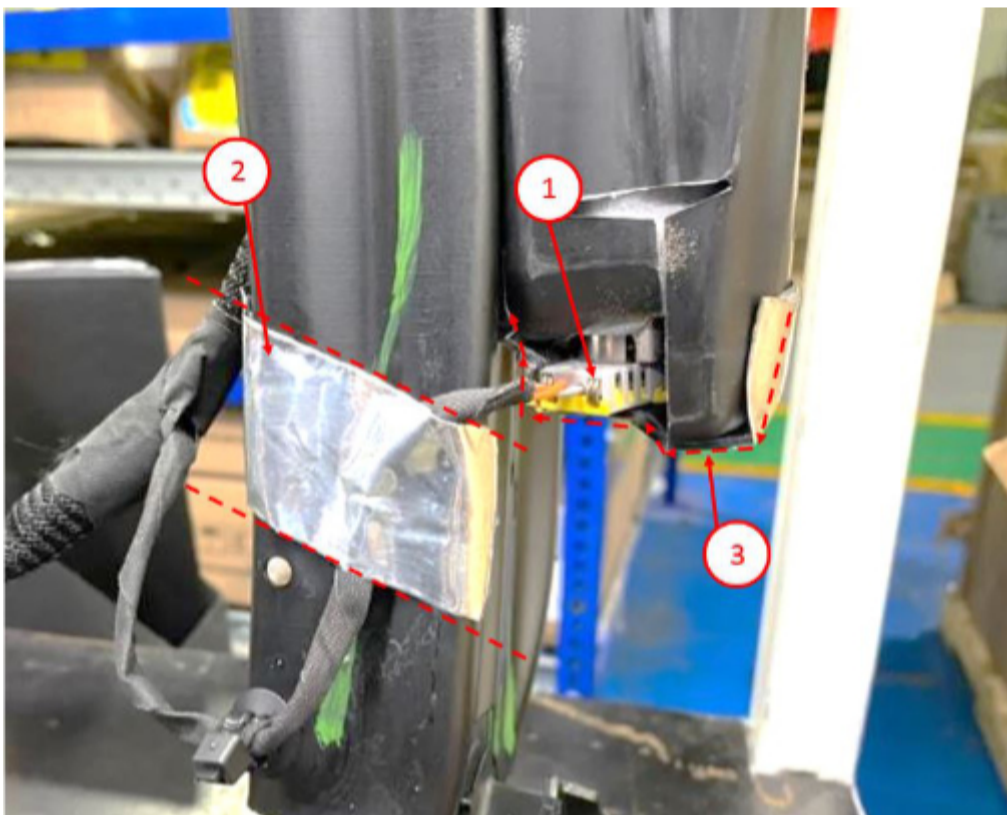
Note: The driver's seat does NOT need to be removed to complete this PI. Disengage the front seat back cover lower J-channel retainers and unzip the seat back cover zippers.



Note: For the next step, to better access the F106DA Driver's front seat inboard airbag connector, the airbag will need to be removed.

- If no issues are found, disconnect the F106DA Driver's front seat inboard airbag connector and inspect for loose or backed out terminals. If no issues are found, then cycle the connector by disconnecting and reconnecting it 3 times.

- After cycling the connector 3 times, follow the instructions below to apply two pieces of butyl tape GM P/N 25777560 or equivalent, call outs 2 and 3. This will secure the Driver's front seat inboard airbag pigtail harness and F106DA Driver's front seat inboard airbag connector (1) to prevent movement.



1. Cut two pieces of butyl tape 3.5 inches (90mm) x 1 inch (26mm) as shown (4).

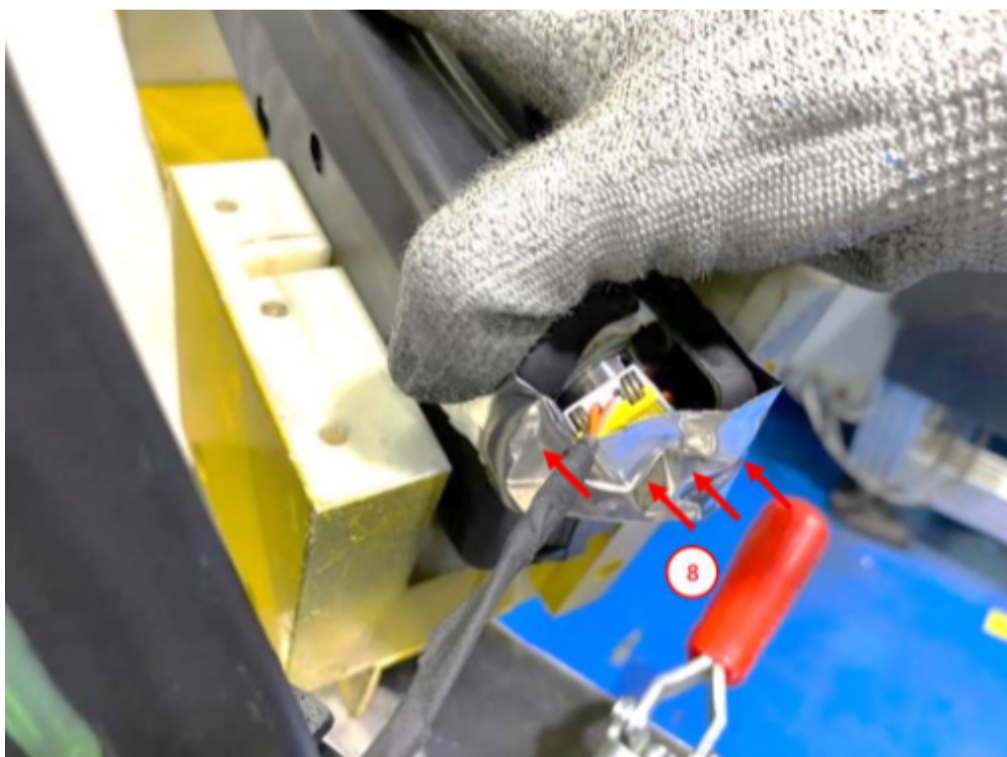


2. With the driver's inboard air bag still removed from the seat, locate the air bag deployment seam (5) on the air bag cover, shown below.



3. Install the first piece of butyl tape by starting it just below the air bag seam (5), as shown below (6). Continue to apply the tape following the contour of the air bag and over the air bag connector (as shown in call outs 3, 7 and 8) making sure to press the tape firmly so there is no looseness in the tape. Only push on the center of the connector. Do not rotate connector and do not apply pressure on the end where the wires exit.

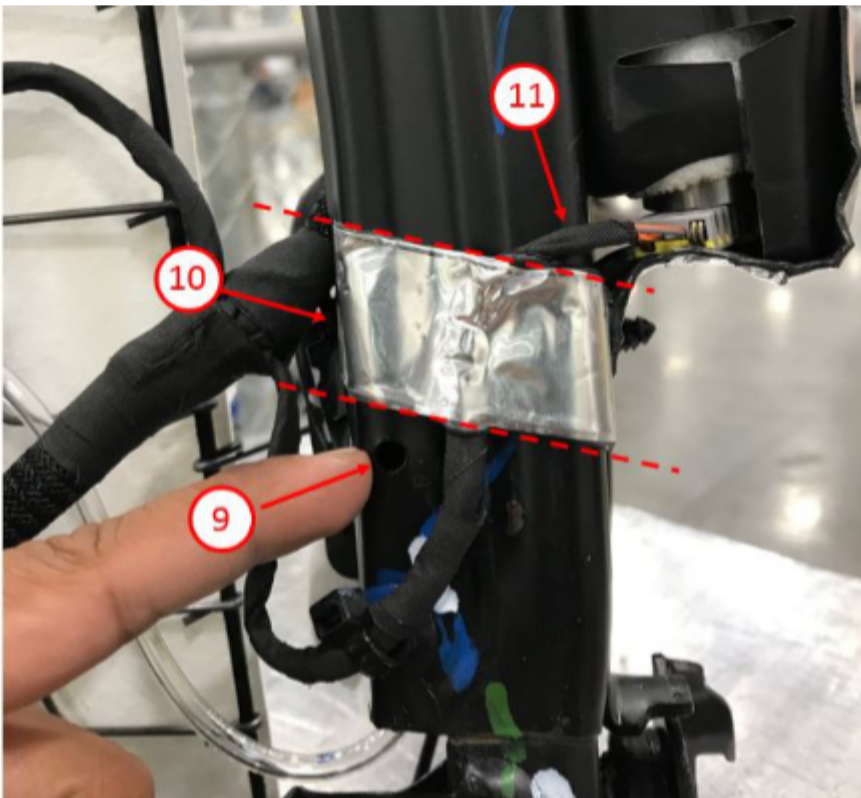
NOTE: Do NOT start the tape above the air bag seam (5).



4. Reinstall the driver's inboard air bag and torque the fasteners to 7 Nm (62 lb in).

5. Install the second piece of butyl tape by first locating hole (9), which is above the driver's seat inboard air bag

harness hold down, as shown below. Position the harness so there is no tension on the airbag connector. Apply the butyl tape on an angle (10) so the bottom edge of the tape is above the locating hole (9), as shown below. Start from the inner flange of the frame and tape around the surface of the frame while still making sure the slack is present in the harness branch near the connector (11). Make sure the tape does not cover the hole in the side of the seat frame (12).





5. Reassemble the seat and use GDS2 to monitor the deployment loop 13 resistance. Verify the resistance is within the normal range and the DTC does not return.

Parts Information

Description	Part Number	Quantity
Butyl Tape	25777560 or equivalent	1

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
*6486048	Scan for DTCs, inspect and cycle F106DA Driver's front seat inboard airbag connector, apply butyl tape and retest	1.0 Hr.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	Description
4	07/23/2020 - Created on.
Modified	07/29/2020 - Updated correction sections to add note and torque spec 08/03/2020 - Updated to add the taping information in the Correction and edit labor op description and time. 08/18/2020 - Updated the taping procedure in the correction.

