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2020.0 DEFENDER (LE), 311-01

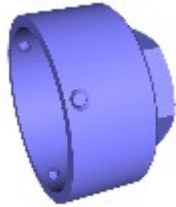
AUTOMATIC TRANSMISSION

MAIN CONTROL VALVE BODY (G2391369)

mcx30.com

REMOVAL AND INSTALLATION

SPECIAL TOOL(S)



E130935

JLR-308-844

Remover/Installer, Transmission Control Module
Electrical Connector

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment

REMOVAL



NOTE:

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1.

Raise and support the vehicle on a suitable 2 post lift.

Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

2.

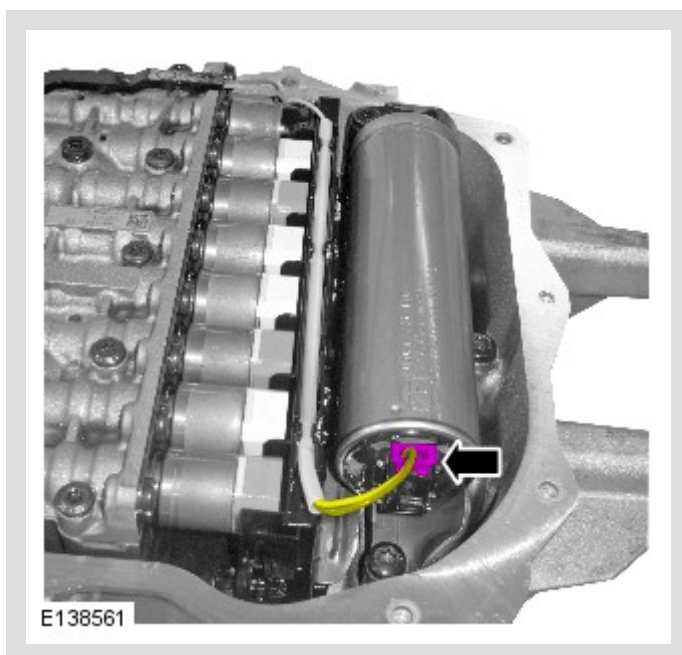
Remove the transmission fluid pan.

Refer to: [Transmission Fluid Pan](#) (311-01 Automatic Transmission, Removal and Installation).

3.

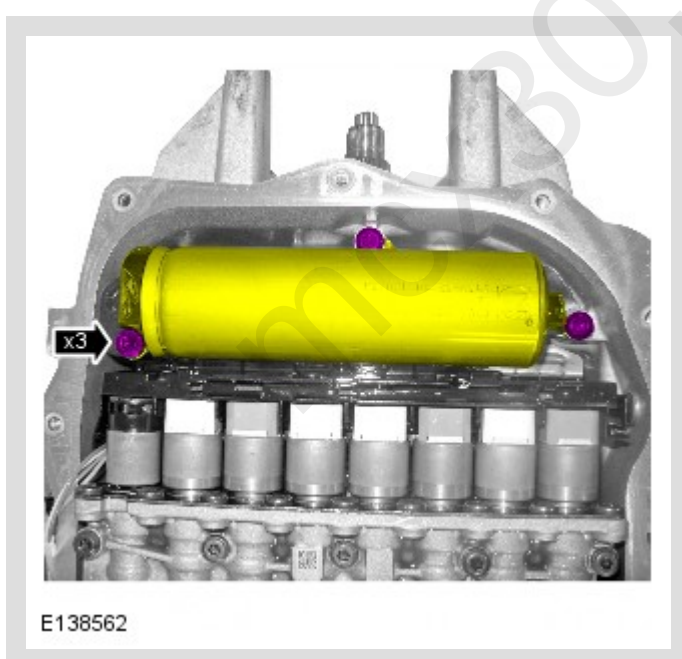
⚠ CAUTION:

Take precautions to avoid any electrostatic charging, which could damage this component.



Disconnect the oil accumulator electrical connector.

4.



Remove the 3 oil accumulator retaining bolt(s).

5.

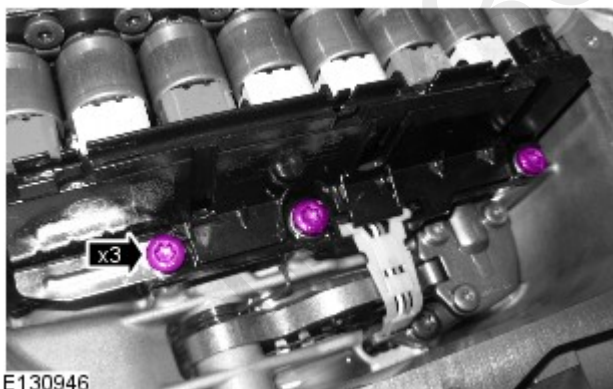


Remove the oil accumulator.

6.

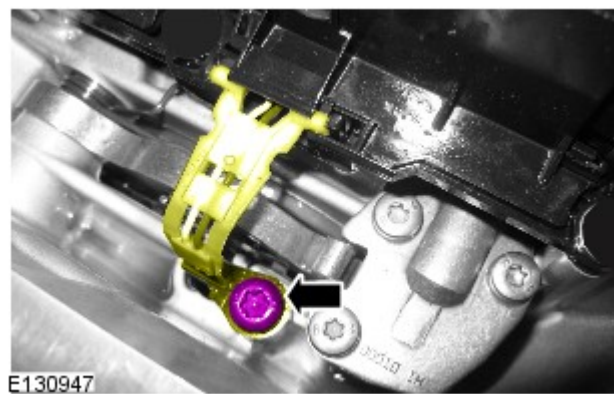
⚠ CAUTION:

Make sure all suitable safety precautions are taken to protect the Transmission Control Module (TCM) and main control valve body electrical connector pins against electrostatic discharge.



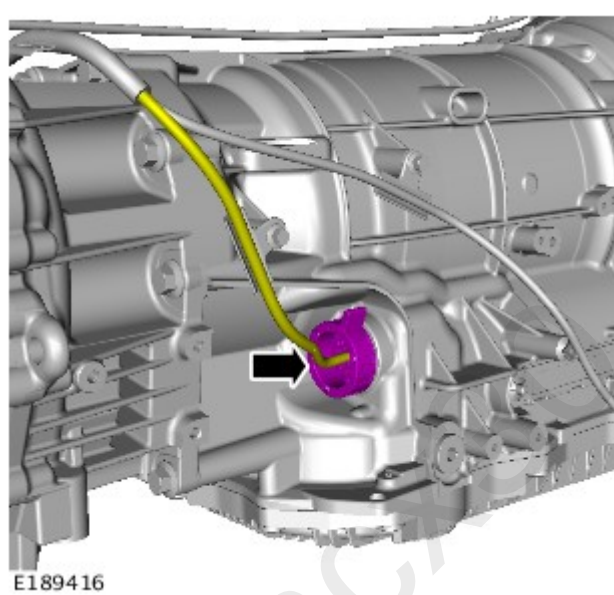
Remove the 3 valve body bracket bolt(s).

7.



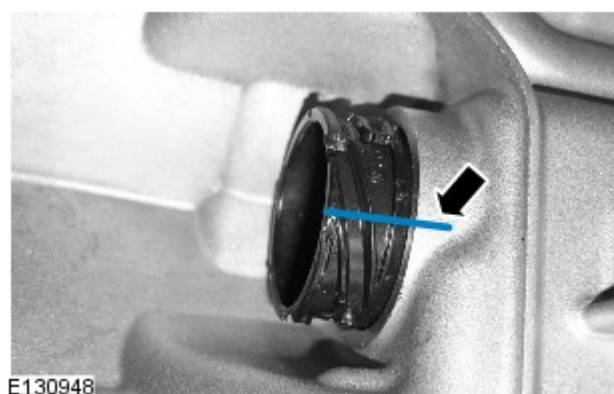
Remove the electrical harness bolt(s).

8.



Disconnect the transmission electrical connector.

9.



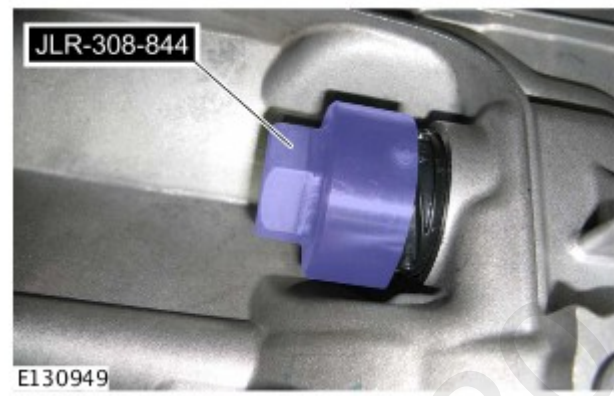
Note the orientation of the component prior to removal.

10.



Release the electrical connector retaining clip.

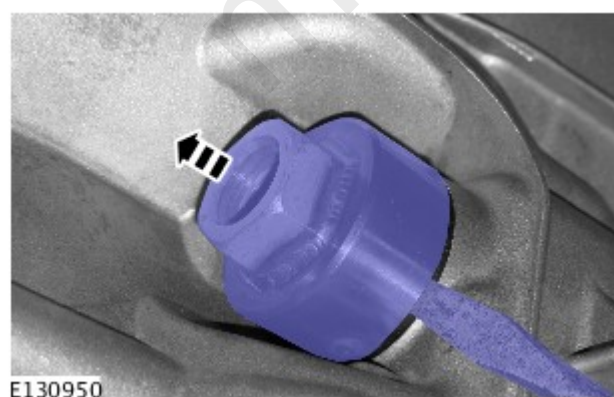
11.



Use the special tool to turn the electrical connector 90 degrees clockwise.

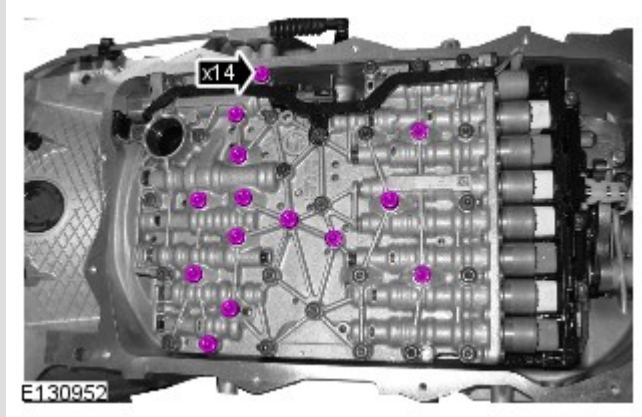
Special Tool(s): [JLR-308-844](#)

12.



Use a suitable tool to release the electrical connector from the transmission casing.

13.



Remove the 14 valve body assembly bolt(s).

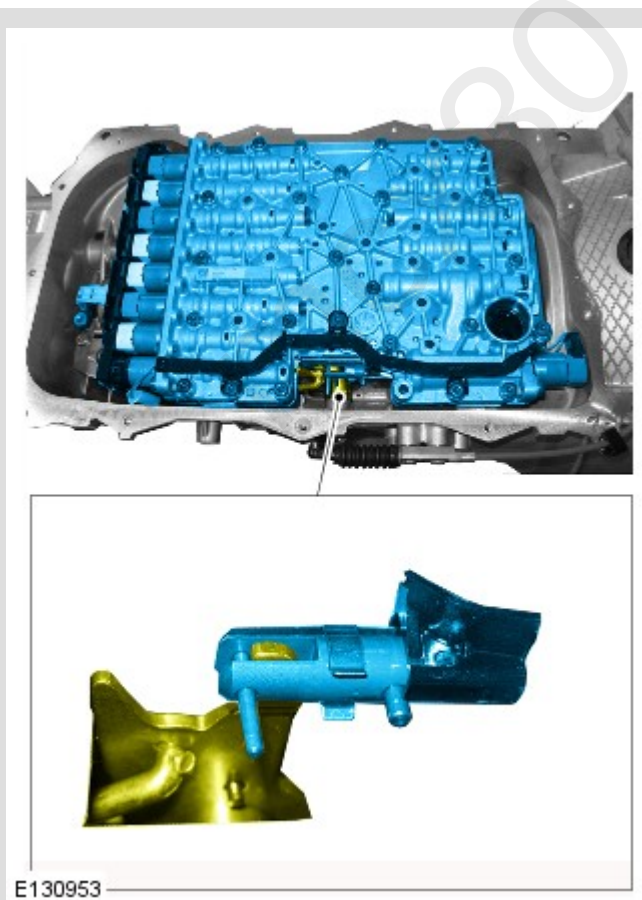
14.

⚠ CAUTION:

Note the orientation of the pressure pipes prior to removal.

⚠ NOTE:

Note the position of the manual park brake release.

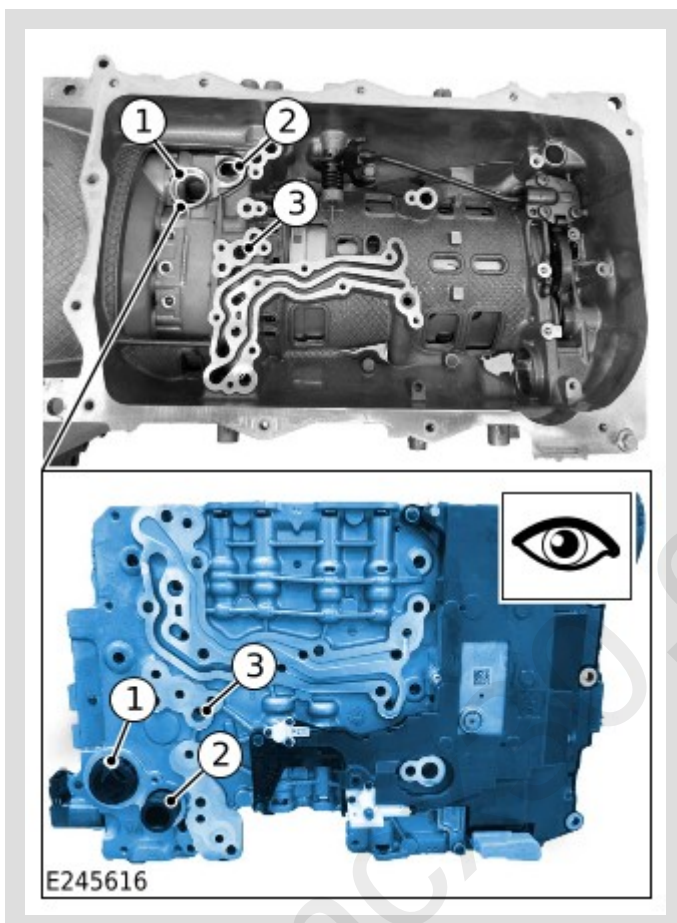


Release the linkage and remove the valve body.

1.

NOTE:

Steps 1 and 2 are to be completed together.



Make sure that pressure pipe (1), pressure pipe (2) and Rubber seal pipe (3) are installed correctly before installing the valve body assembly.

⚠ CAUTION:

Care must be taken when refitting the valve body assembly.

△ NOTE:

Make sure that the component is installed to the noted removal position.

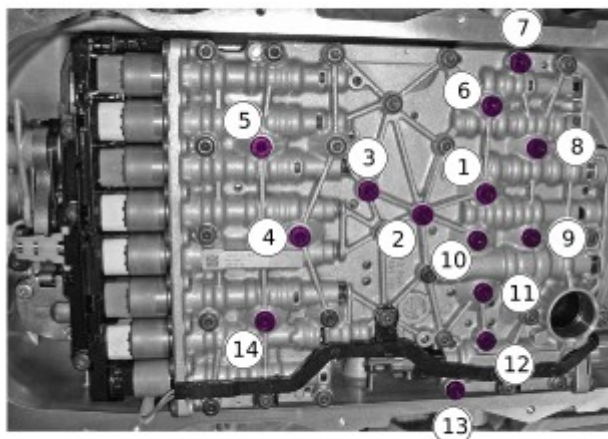


Install the valve body and secure the linkage.

3.

NOTE:

Tighten the retaining bolt(s)(s) evenly and progressively.



E251300

Install the valve body bolt(s)(s) in the sequence shown.

Torque: 8Nm

4.



E150812

Use the special tool to turn the electrical connector 90 degrees anti clockwise to install.

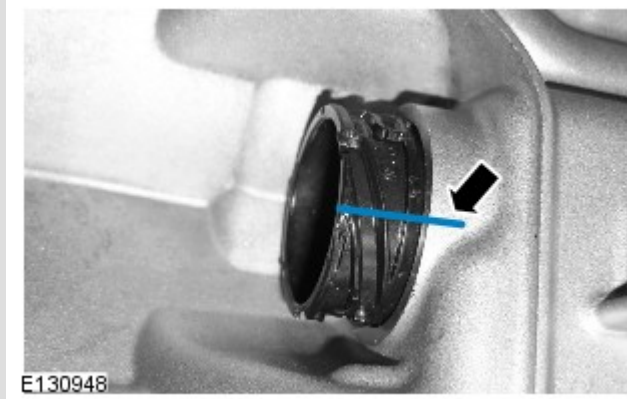
Special Tool(s): JLR-308-844

5.

Remove the special tool.

Special Tool(s): JLR-308-844

6.



Make sure that the electrical connector is installed in the correct orientation as noted in the removal step.

7.

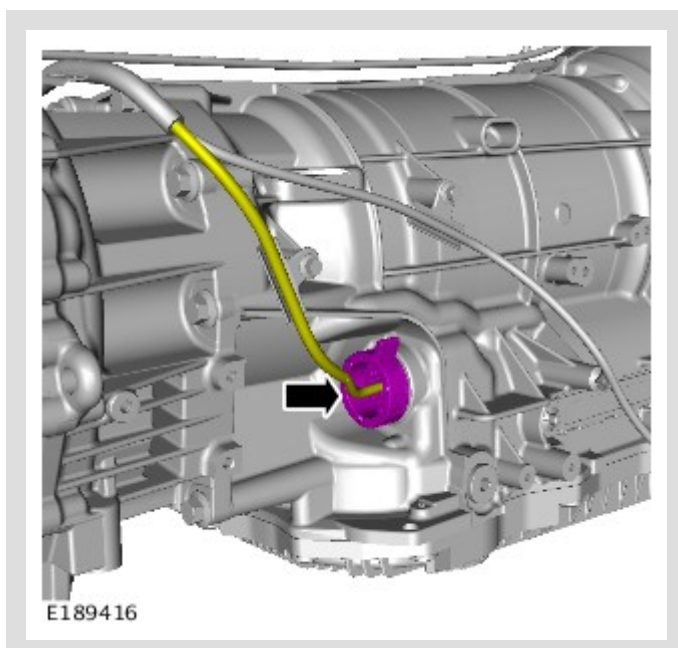


Secure the electrical connector retaining clip.

8.

⚠ CAUTION:

Make sure that the electrical connector is correctly installed.



Connect the transmission electrical connector.

9.



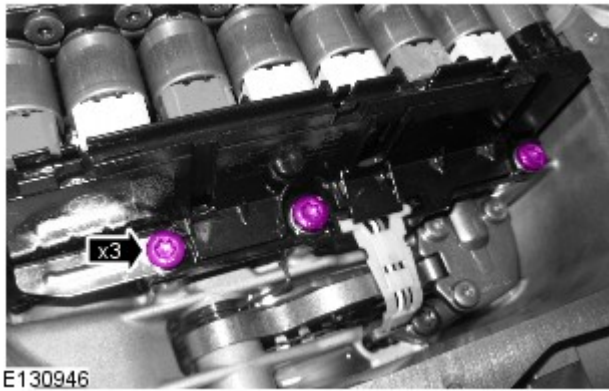
Install the electrical harness bolt(s).

Torque: 8Nm

10.

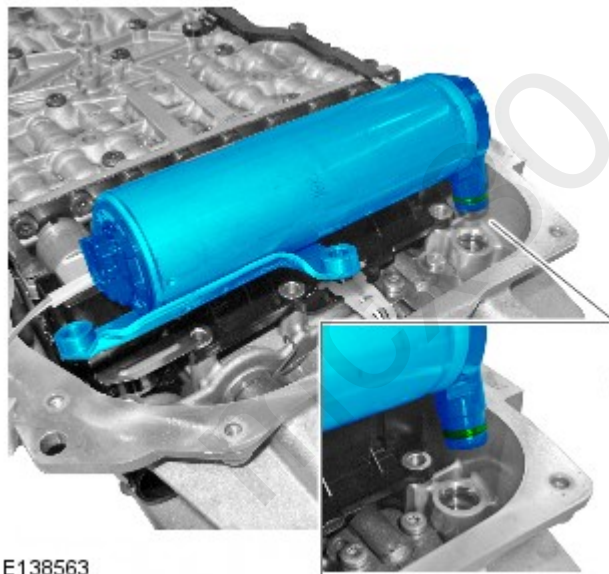
⚠ CAUTION:

Make sure all suitable safety precautions are taken to protect the Transmission Control Module (TCM) and main control valve body electrical connector pins against electrostatic discharge.



Install and tighten the 3 valve body bracket bolt(s).

11.

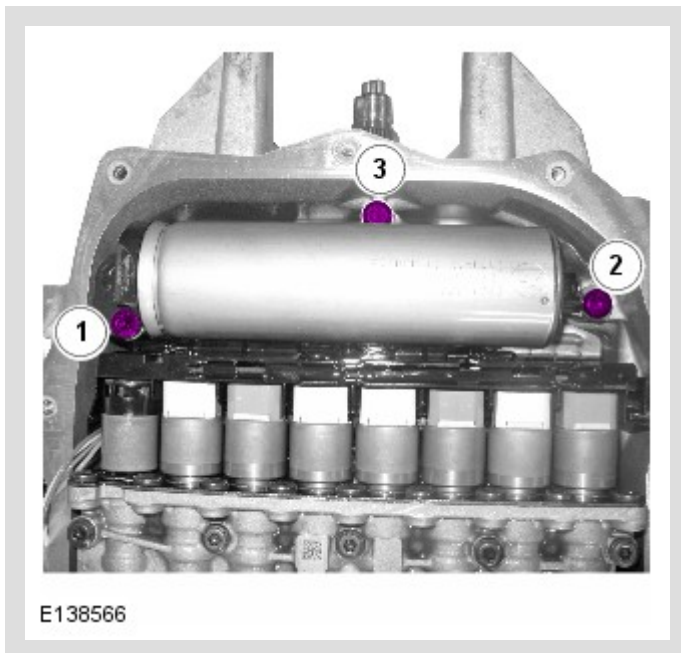


Install the oil accumulator.

12.

NOTE:

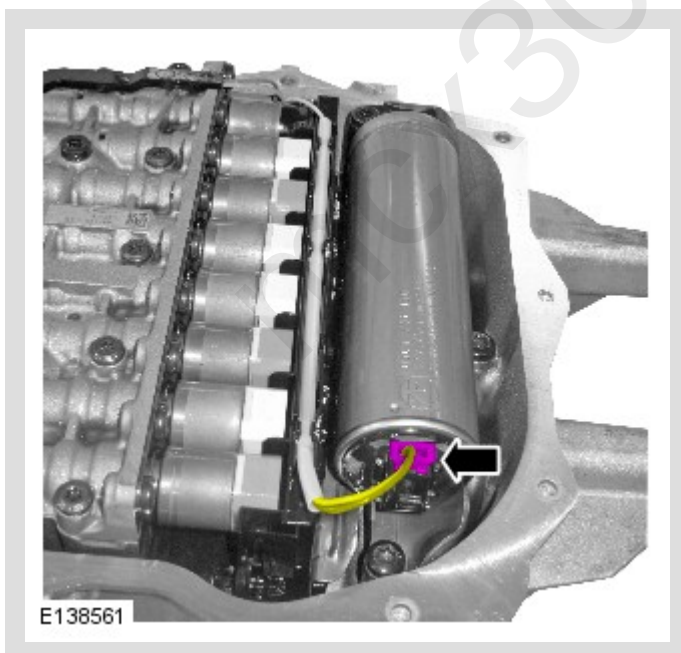
Tighten the retaining bolt(s) evenly and progressively.



Install and tighten the 3 oil accumulator retaining bolt(s).

Torque: 8Nm

13.



Disconnect the oil accumulator electrical connector.

14.

Install the transmission fluid pan.

Refer to: [Transmission Fluid Pan](#) (311-01 Automatic Transmission, Removal and Installation).

15.

Use the Jaguar Land Rover (JLR) approved diagnostic equipment to configure the main control valve body.

General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)

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