

Safety Recall

Mack Trucks Inc.
Greensboro, NC USA



Date	Number	Release	Page
04.2025	SC0474	01	1(17)

Mack Missing ABS Warning Lamp and Circuitry MRU, TE

RECALL INFORMATION

(April 2025)

Mack has determined that certain Mack MR and TE rigid chassis were built as towing vehicles and do not have a driver indicator lamp/circuit to communicate and signal when there is an antiskid braking system (ABS) malfunction on one or more towed vehicle(s), as required by FMVSS121 S5.1.6.2(b). In the event of an anti-skid braking system (ABS) event, a towed anti-skid braking equipped trailer may not respond correctly increasing the risk of a crash.

To ensure these vehicles meet Mack's strict quality standards, follow the instructions below to add a light, light bracket, jumper harness, and replace/reprogram ABS module.

VEHICLES AFFECTED

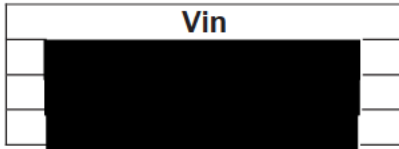
Certain Mack MRU and TerraPro vehicles manufactured between March 12, 2009, through October 7, 2024.

VEHICLE QUANTITY

There are 146 vehicles affected by this recall (142 U.S., 4 Canada).

Special instructions for three VINs

The three VINs listed below require special wiring instructions. Please refer to page 16 for instructions.



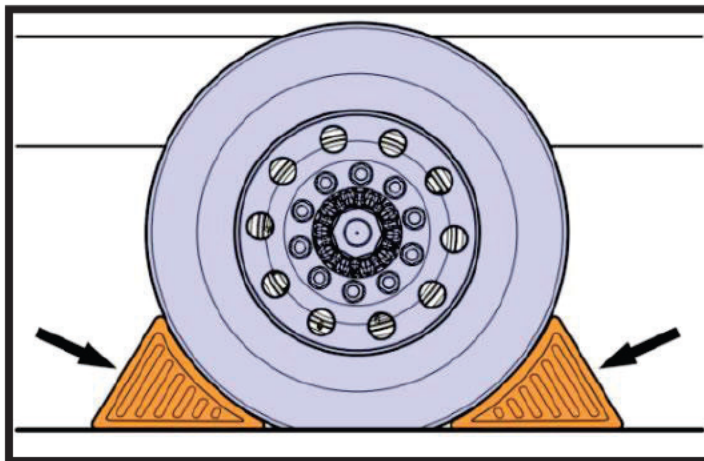
Parts

Order parts through normal process.

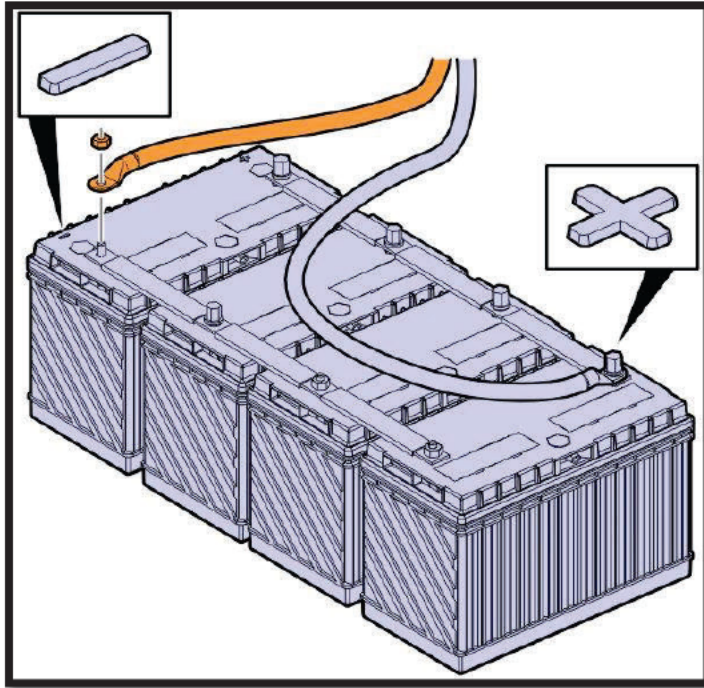
Part Number	Part description	Quantity
24917323	Harness	1
24904987	Indicator lamp	1
78818205	Bracket	1
25160455	Rivet nut	2
984725	Flange screw M6	2
25098469	Grommet	1
20705557	P clamp	1
25095911	Screw	1
Reference the chart on page 16	Control unit	1 if required

Repair Instructions

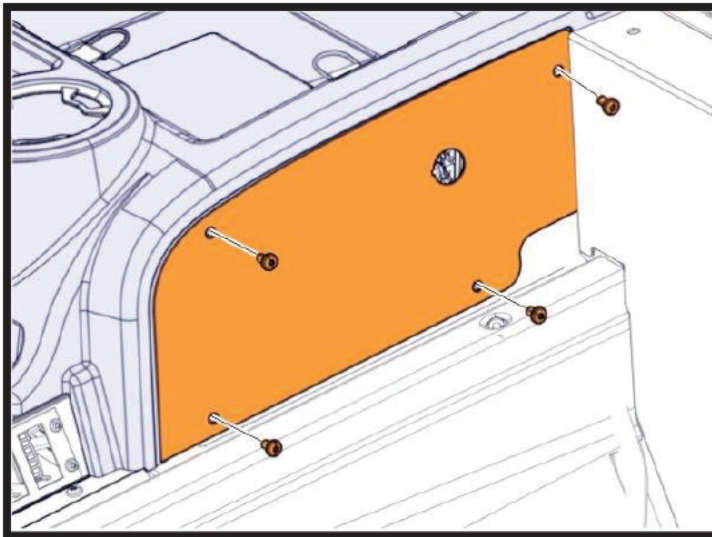
1. Secure vehicle for service by parking on a level surface.
2. Apply parking brake.
3. Place the transmission in neutral or park.
4. Install wheel chocks.



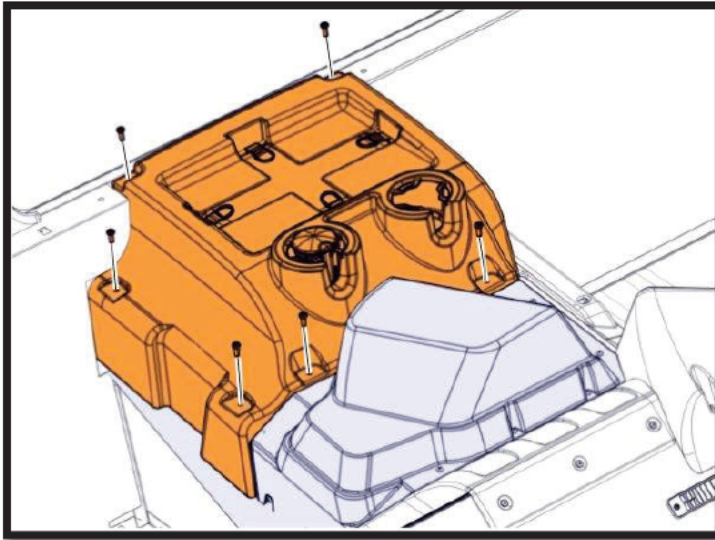
5. Disconnect the cable from the negative terminal.



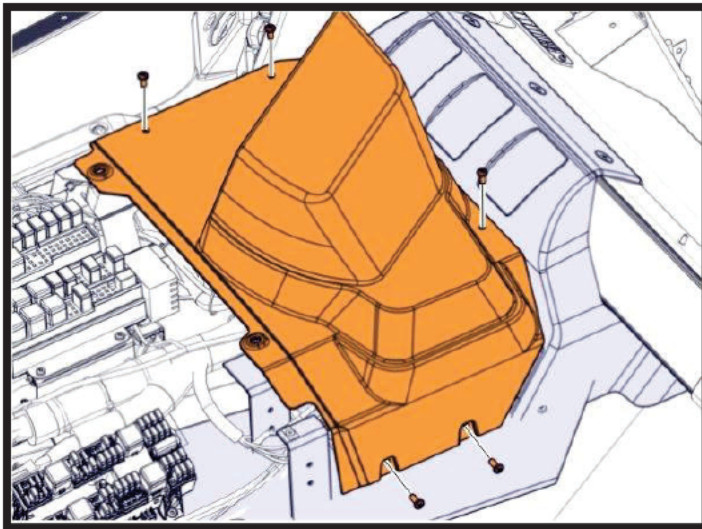
6. Remove the screws and panel.



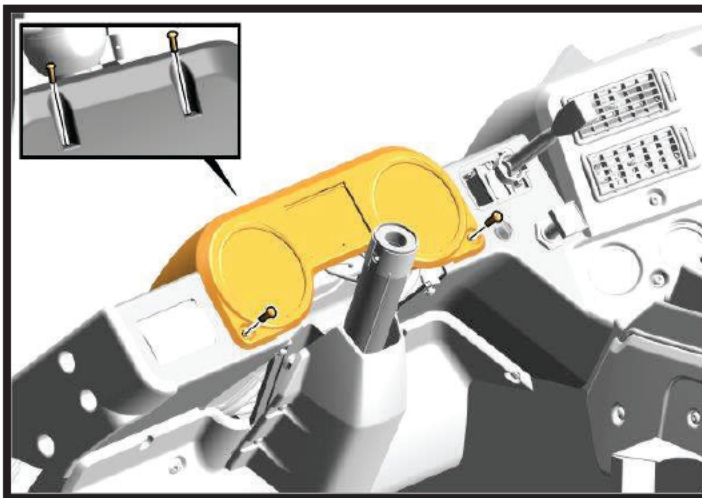
7. Remove the screws and panel.



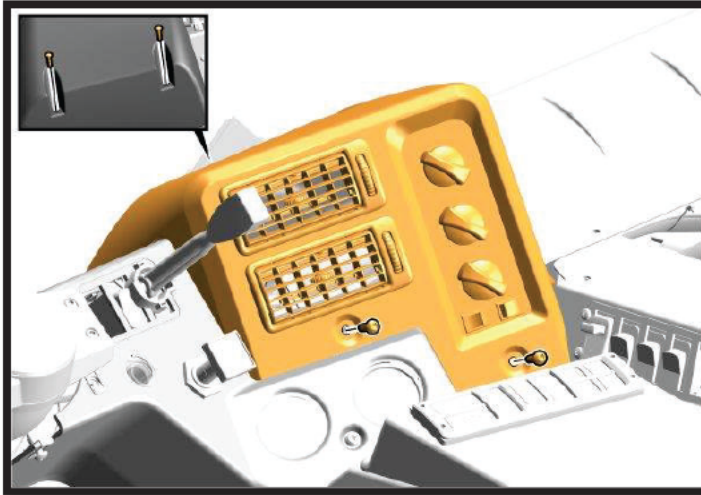
8. Remove the screws and panel.



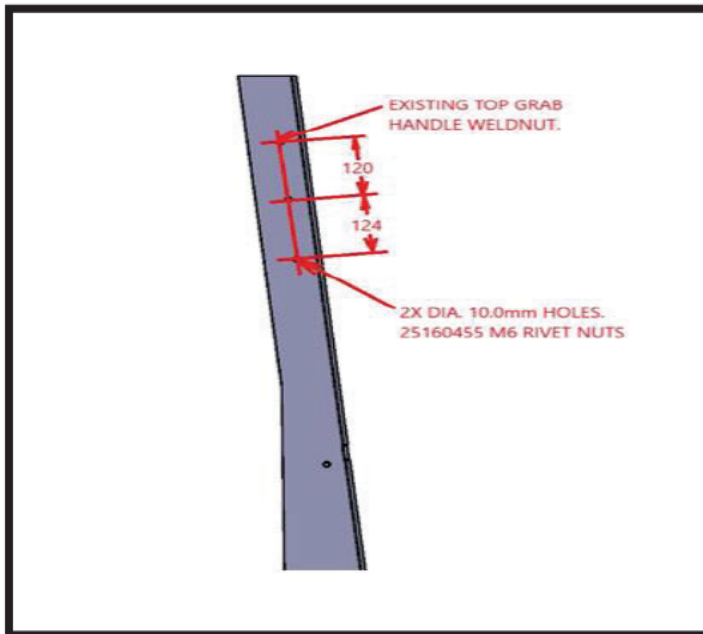
9. Remove the screws and panel.



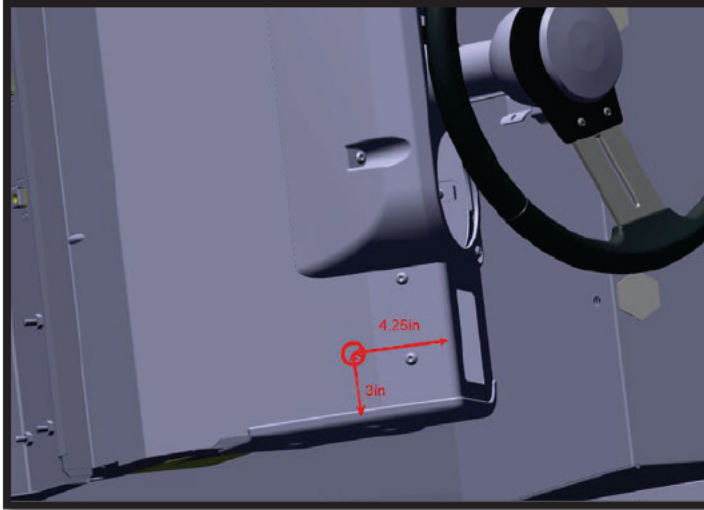
10. Remove the screws and panel.



11. On the driver's side A-pillar, locate the top grab handle mounting bolt. Starting at the center of the bolt, measure down 120 mm and make a mark. From the first mark, measure down 124 mm and make a second mark. You should now have two marks that are 124 mm apart vertically.



12. Center punch and drill a 10mm hole at both marks.
13. Install one M6 rivet nut **25160455** in each hole and crimp using proper tool.
14. Drill a 13/16 hole in the top of the dash 4.25in down and 3in from the side, insuring not to drill into any wiring.

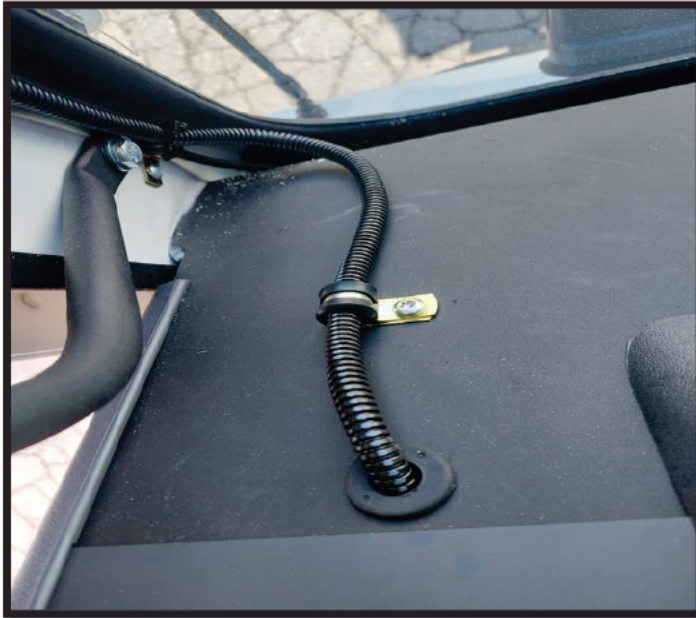


15. Install grommet **25098469** in the dash.
16. Install the ABS light **24904987** into the bracket **78818205** ensuring the arrow is pointed up.
17. Connect wiring harness **24917323** to the ABS light.
 1. Wire labeled E:38 - D2- (Gray) goes to the GND2 terminal of the light.
 2. Wire labeled E:38 - D3+ (Red/White) goes to the positive terminal of the light.
18. Install light bracket **78818205** on the A-pillar, secure bracket using two M6 screws **984725**.

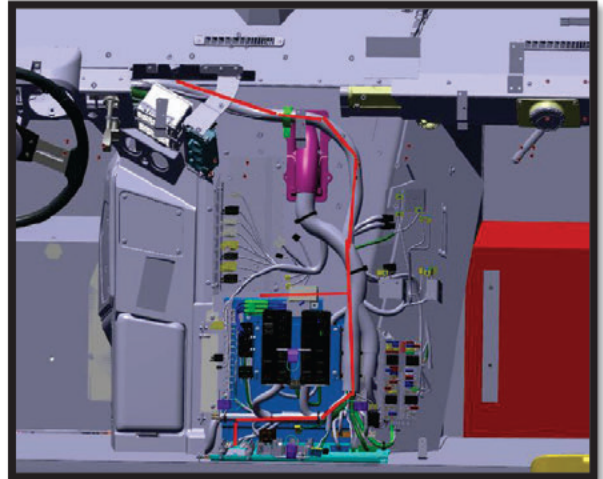
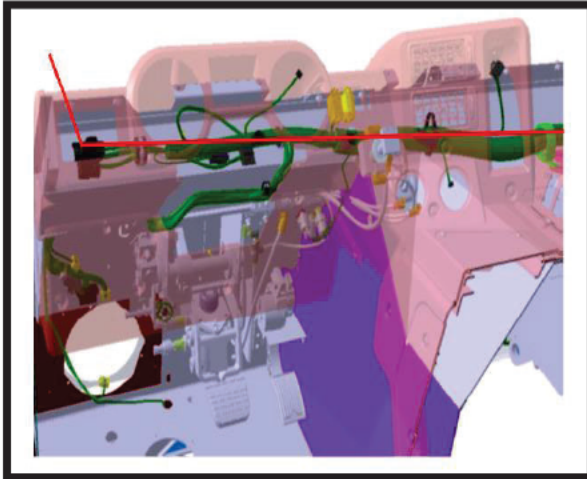


Tightening torque	
Screws, bracket	10 ± 1.5 Nm (7.4 ± 1 ft-lb)

19. Route the harness down the A-pillar and secure to the radio antenna cable using cable ties.
20. Route the harness through the grommet.
21. Secure the harness to the dash using a p-clamp 20705557 and screw 25095911.

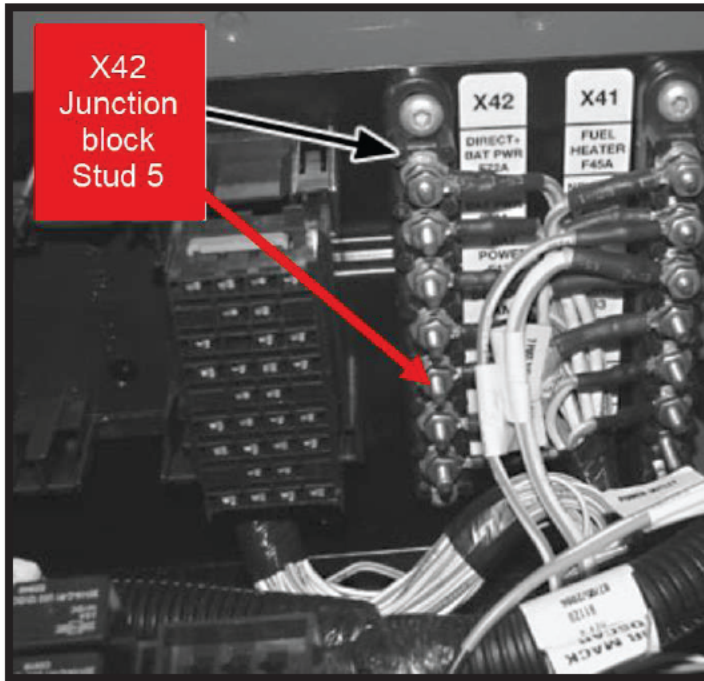


22. Route and secure the harness across the dash following the cab harness.

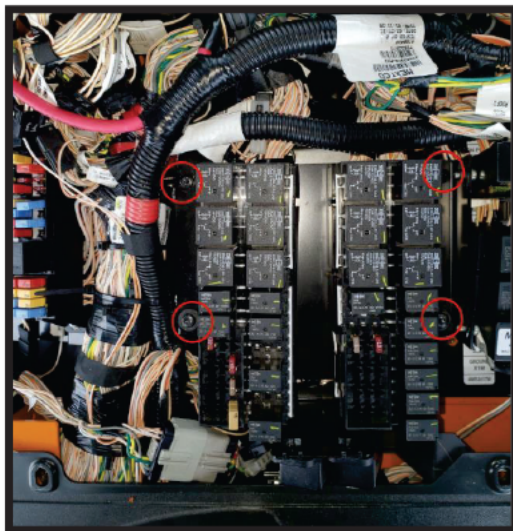


23. Install wire labeled X42 from the overlay harness to junction block X42 stud 5.

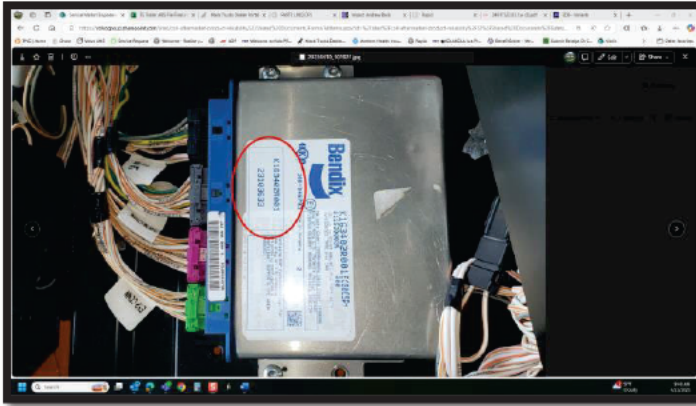
Tightening torque	
Ring Terminal, nut	5.7 ± 0.6 Nm (4 ± 0.4 lb _r -ft)



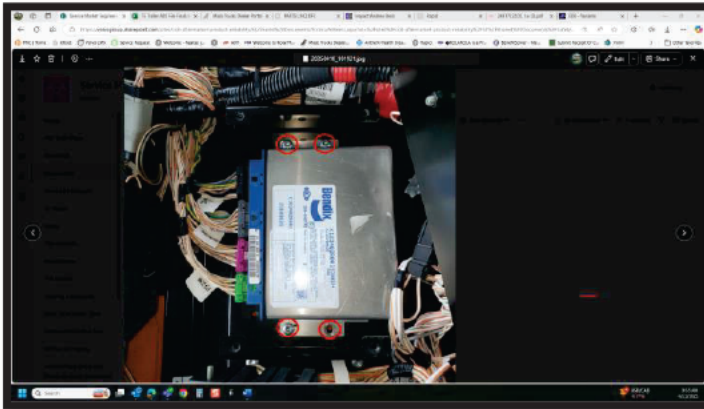
- 24. Remove the 4 screws securing the Fuse/Relay center (FRC).
- 25. Lift the FRC to gain access to the ABS module.



- 26. Locate the part number on the ABS module.



27. Compare the part number of your ABS module to the chart on page 16.
28. After comparing ABS module part numbers to the chart on page 16.
 1. If replacement of the ABS module is required, follow steps 29-31.
 2. If replacement of the ABS module is not required, continue to step 32.
29. Remove the 4 screws.
30. Remove the module.
31. Install the new module and the 4 mounting screws.



Tightening torque	
ABS mounting, screws	14 ± 1.5 Nm (10 ± 1 ft-lb)

32. Locate the ABS module X1 connector.
33. Disconnect the X1 connector.



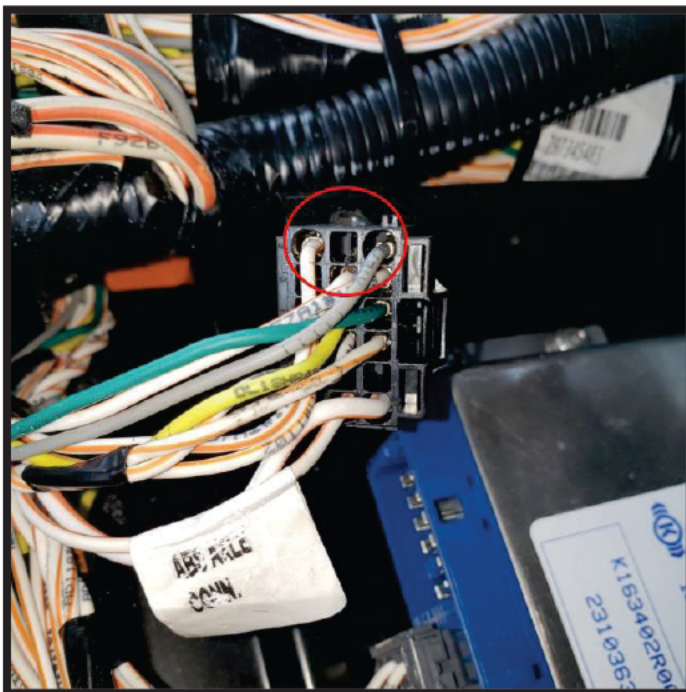
Important note!

If the truck has a Wabco module you must pin the X1 connector on the Cab harness side where the cab harness and Wabco jumper harness connect.

34. Remove the lock from the connector.



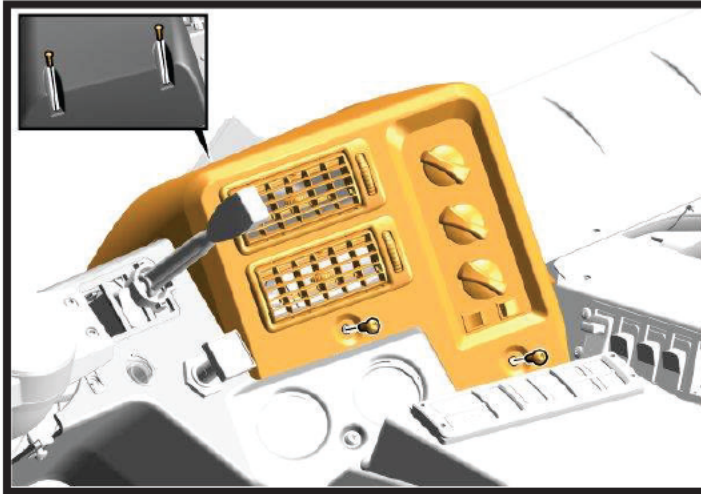
35. Insert the wire labeled ABS CONN from the jumper harness onto cavity 2 of the X1 ABS connector.



36. Insert the lock into the connector.

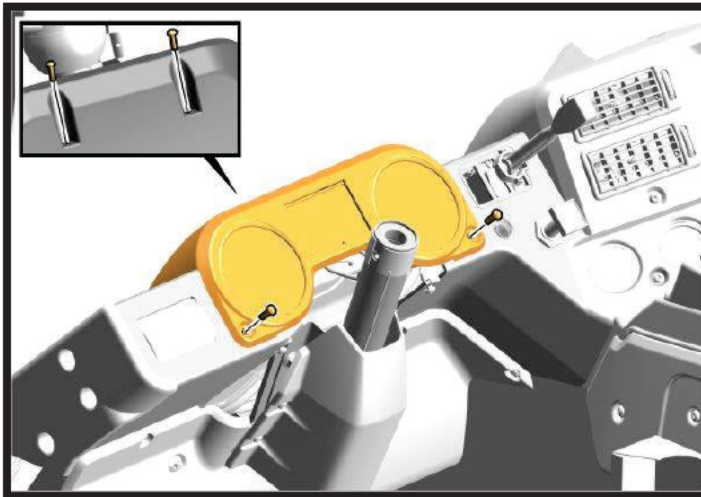
Screws, FRC	$8 \pm 1 \text{ Nm}$ ($6 \pm 1 \text{ ft-lb}$)
-------------	--

39. Install the panel and screws.



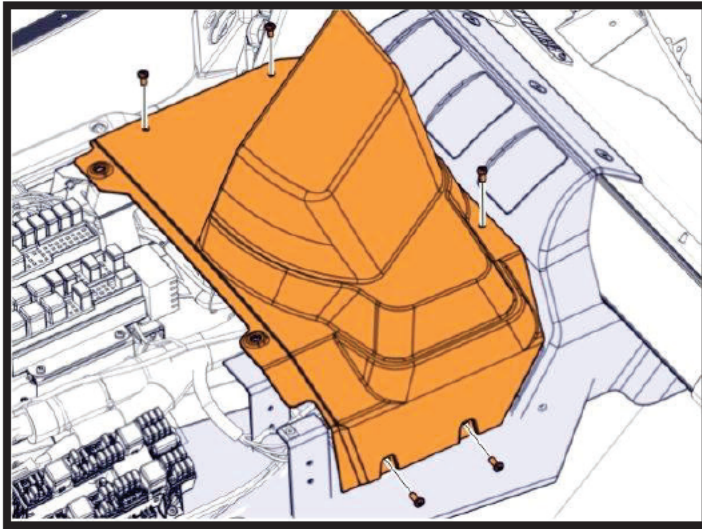
Tightening torque	
Screws	$6 \pm 1 \text{ Nm}$ ($4.5 \pm 1 \text{ ft-lb}$)

40. Install the panel and screws.



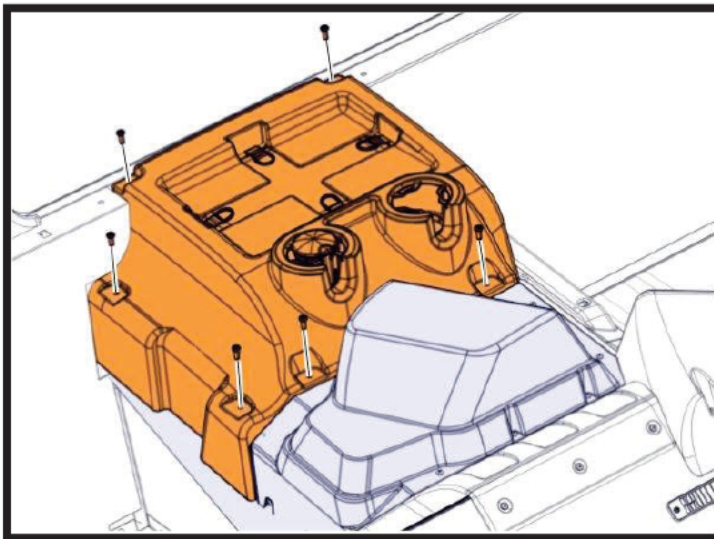
Tightening torque	
Screws	$6 \pm 1 \text{ Nm}$ ($4.5 \pm 1 \text{ ft-lb}$)

41. Install the panel and screws.



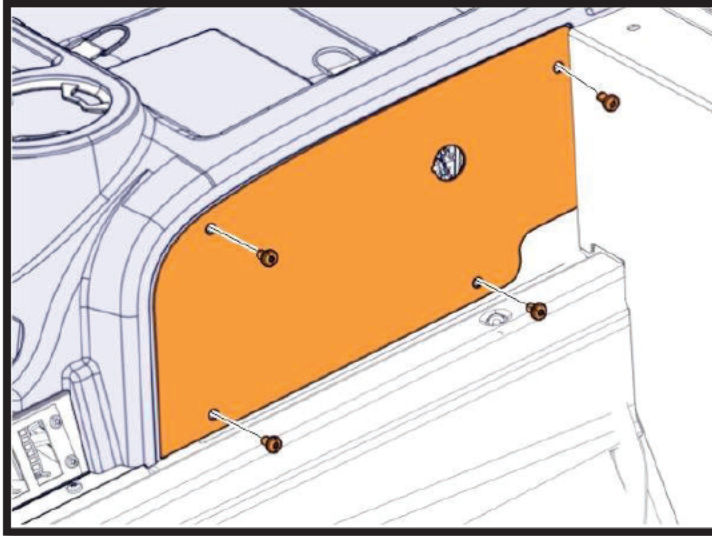
Tightening torque	
Screws	6 ± 1 Nm (4.5 ± 1 ft-lb)

42. Install the panel and screws.



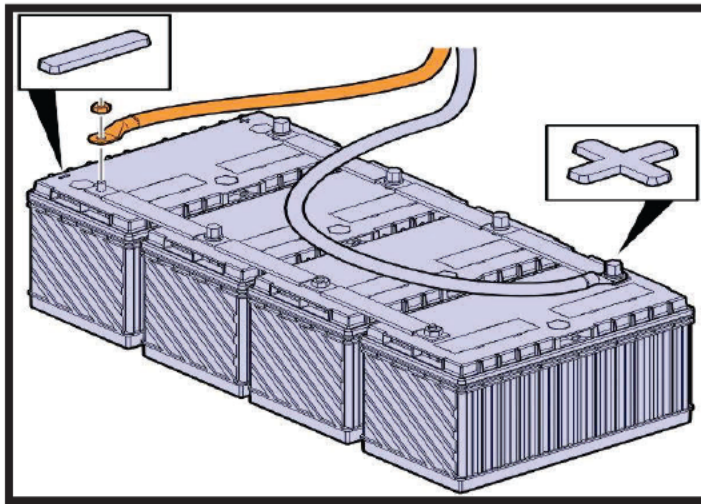
Tightening torque	
Screws	6 ± 1 Nm (4.5 ± 1 ft-lb)

43. Install the panel and screws.



Tightening torque	
Screws	6 ± 1 Nm (4.5 ± 1 ft-lb)

44. Connect the cable to the negative terminal.



45. Follow the chart on page 16 to see if a new par file is required.

1. If programming is required, follow steps 46-48.
2. If programming is not required, continue to step 49.

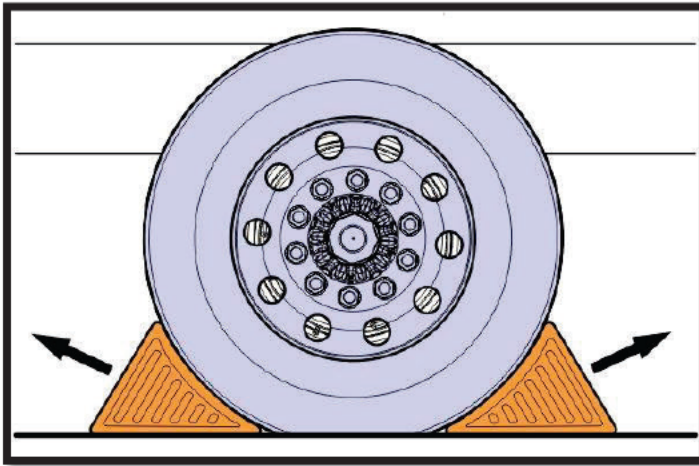
Programming Procedure

46. Connect to the vehicle using PTT.
47. Navigate to the programming tab.
48. Run operation **5931-07-03-20** to install ABS Par File.

Tech Note!

If you are experiencing issues running operation 5931-07-03-20 reference **CBR-2042** on how to set up Vendor Configuration Programing (VCP).

- 49. Verify the trailer ASB light works, Turn the key to the on position, the light should turn on for a few seconds or flash a few times to indicate it is functioning properly.
- 50. Remove the wheel chocks.



- 51. Release the vehicle to the customer.

ABS Module Information

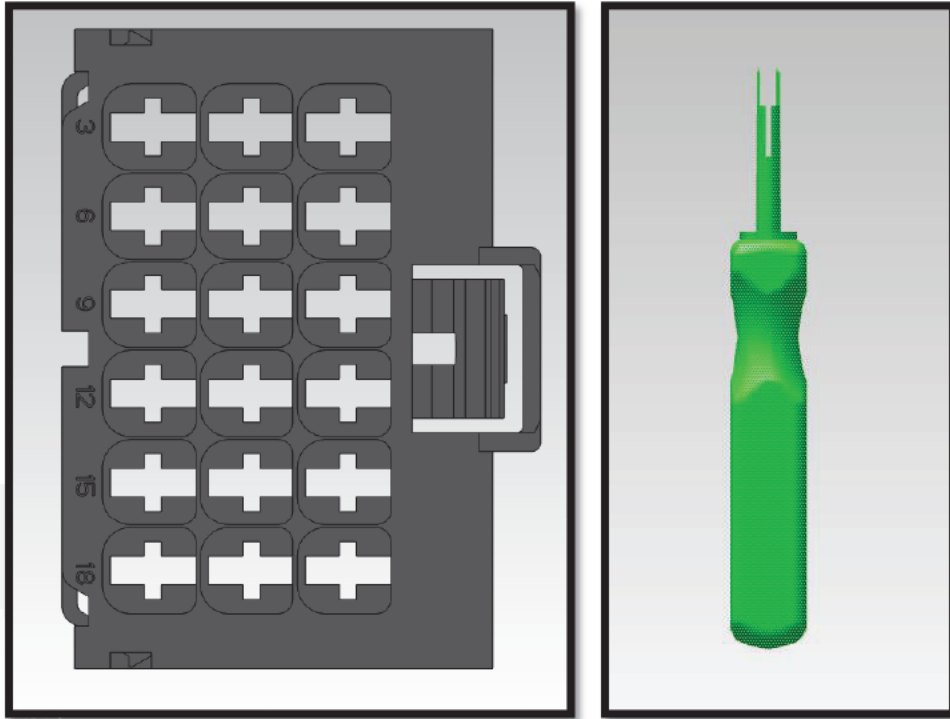
Module Installed	New module	Manufacturer	PAR file required
21077118	NO change required	Wabco	No
22919522	NO change required	Wabco	No
22919525	NO change required	Wabco	No
7MN514M or 21389407	21300233	Bendix	Yes
21865553	21865552	Bendix	Yes
22362086	22362088	Bendix	Yes
22362261	24756421	Bendix	Yes
21865548	NO change required	Bendix	No
23479912	NO change required	Bendix	No
24756419	NO change required	Bendix	No

Special instructions for these three VIN

Vin	Old module	New module	PAR file required
[REDACTED]	22362261	24756421	Yes
[REDACTED]	23479912	24756421	Yes
[REDACTED]	23479912	24756421	Yes

Repinning instructions for the three VINs listed above.

1. Remove X1 connector from the ABS module.
2. Using tool 88890029 remove the wire from X1 cavity 17, install the wire removed from cavity 17 into X1 cavity 18.
3. Using tool 88890029 remove the wire from X1 cavity 2, install the wire removed from cavity 2 into X1 cavity 17.
4. Install wire labeled ABS CONN from the jumper harness onto cavity 2 of the x1 connector.



REIMBURSEMENT

This repair is covered by an authorized Safety recall. Reimbursement is obtained through the normal claim handling process.	
	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Business System)	40
Recall Status	
Vehicle repaired per instructions	1-Modified per instructions
Labor Codes	
1720-16-09-01 Campaign, General (0.1 X 15)	1.5
5931-03-02-01 ABS ECU, Replacement (If required)	0.6 If required

Causal Part	24904987
Authorization Number	C0439

Note: Dealers or the designated representatives are required to perform Safety Recall on all subject vehicles at no charge to the vehicle owner regardless of mileage, age of vehicle or ownership (original purchaser or subsequent purchasers). Whenever vehicles that are subject to a Safety Recall are brought to your dealership for service, it is strongly recommended that every effort be made to perform the recall correction before the vehicle is released to the owner.