

Interaxle Driveline Torque

Service Category Service Department

Section Function Group 451

Technician Skill Level A

Market North America

Applicability

Mack

Model Years	Models
2025	AN, GR, PI

Introduction

Mack trucks has determined that certain AN, GR, PI model trucks could have Interaxle Driveline mounting bolts that are under torqued. On affected vehicles follow the instructions below to check and record the breakaway torque of the Interaxle Drive Shaft Strap Bolts. After the breakaway torque is checked and recorded the strap bolts will then need to be replaced or just torqued to specification depending on the results of the breakaway torque.

Production Change Information

This bulletin applies to vehicles built within the specified production changes below.

Brand	Engine	Emission Level	Starting Build Date	Ending Build Date
Mack	CU9, MP7, MP8	EM-EC01, EM-EU5, EM-USA21	14-February-2024	22-August-2024

Warranty Information

Important Note!

If any parts are replaced, there must be an email sent to campaign@volvo.com explaining how many bolts were found under torqued. Include In the body of the email the campaign number, VIN of the truck, and how many bolts were found under torqued.

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.		
Claim Type (used only when uploading from the Dealer Bus. Sys.)		B
Main Labor Code	Description	Hours
1720-16-09-01	Campaign, General (0.1 x 6)	0.6
Causal Part	25154926	
SCC Authorization Code	S0488	
Expiration Date	July 31, 2025	

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Parts Information

Important Parts Note!

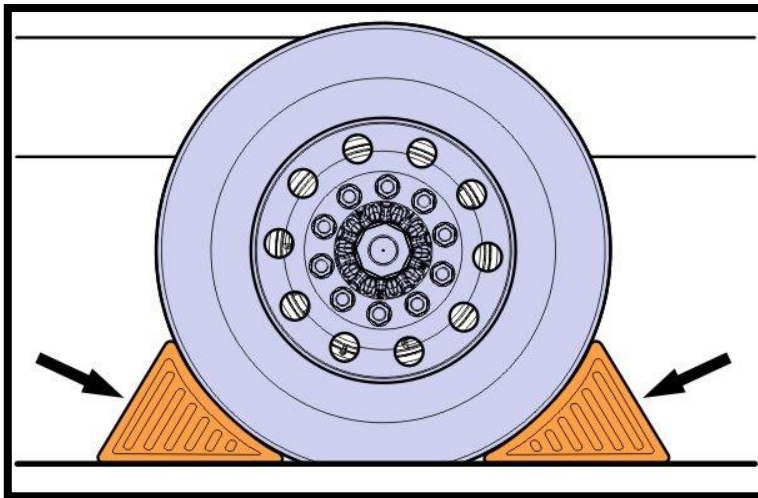
Any mounting strap bolts found under torqued when checking the breakaway torque must be replaced with new ones. Use Impact with the VIN to look up any parts needed. All parts should be ordered through the normal process.

Calibration Information

N/A

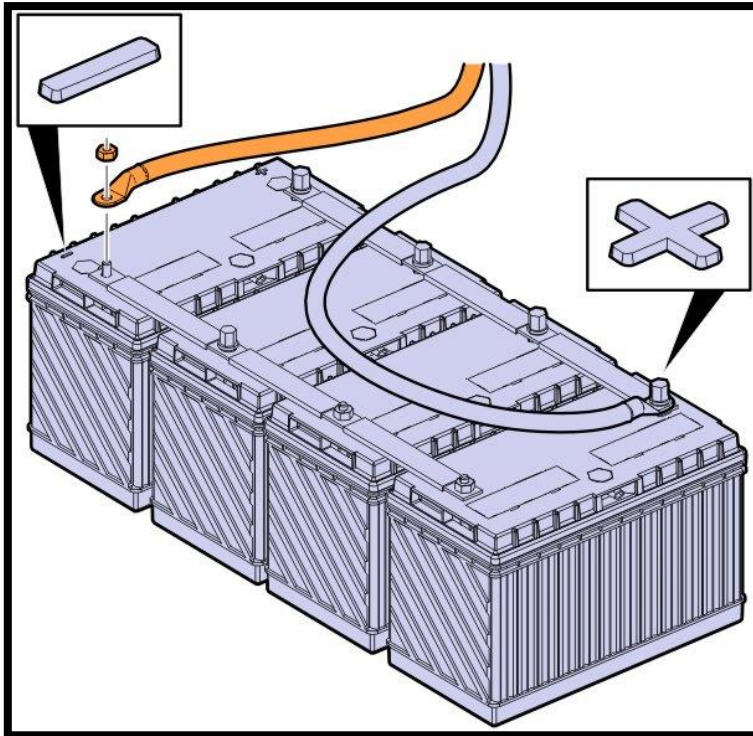
Repair Procedure

1. Secure the vehicle for service.
2. Apply the parking brake.
3. Place the gear lever in neutral.
4. Install wheel chocks.

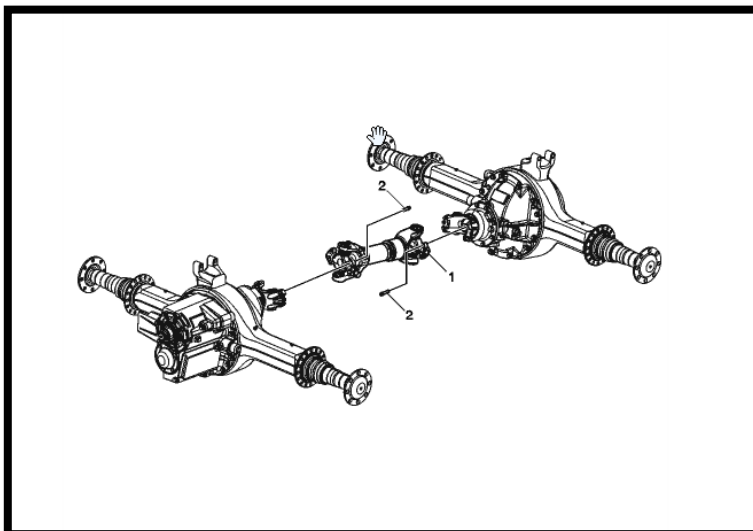


5. Disconnect the cable from the negative terminal.

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6. Locate the Interaxle Drive shaft.



7. There are four different types of hardware that secures the Interaxle Drive Shaft to the differential yoke.
8. Use the images below to determine the type of interaxle mounting hardware you have.
9. Using a torque wrench set to the breakaway torque (specified below), check the breakaway torque of the interaxle to yoke mounting hardware at both ends of the interaxle shaft.



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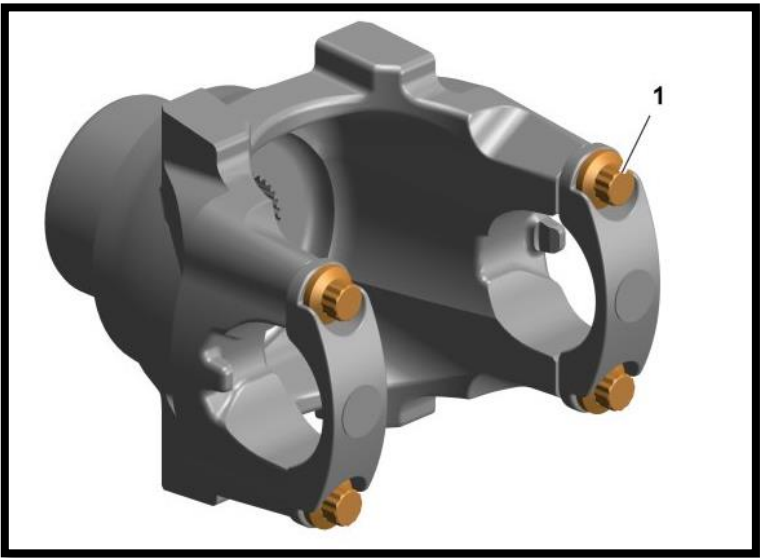
1. If any of the mounting hardware moves when checking the breakaway torque, replace the mounting hardware on both ends of the interaxle shaft (straps and bolts or just bolt depending on the application).

Important note!
If any hardware moves when checking breakaway torque, you must inform the Campaign Team the hardware was loose by sending an email to campaign@volvo.com . Please include the campaign number, VIN number and how many interaxle mounting bolts were found under torqued.

2. If the mounting hardware does not move when checking the breakaway torque, set the torque wrench to the specified torque (depending on configuration) and torque the mounting hardware to specifications (depending on configuration).

Interaxle Driveline Type 1

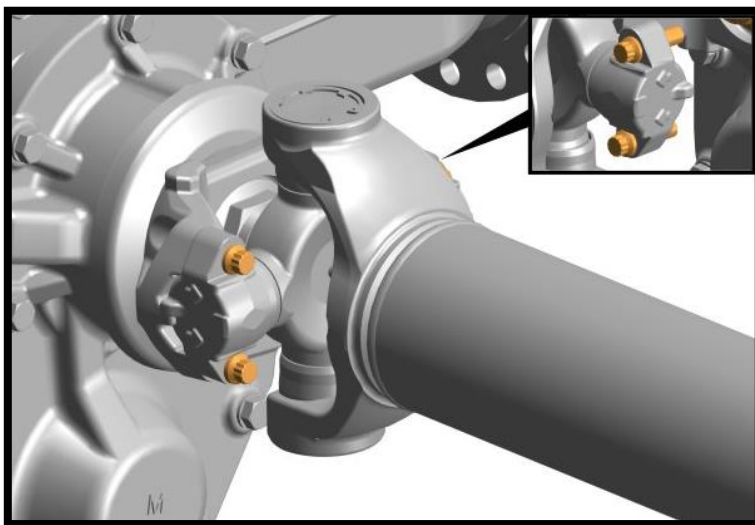
Breakaway torque	
Retaining strap, screw	76 Nm (56 lb _r ·ft)
Tightening torque	
Retaining strap, screw	153 ±17 Nm (113 ±13 lb _r ·ft)



Interaxle Driveline Torque

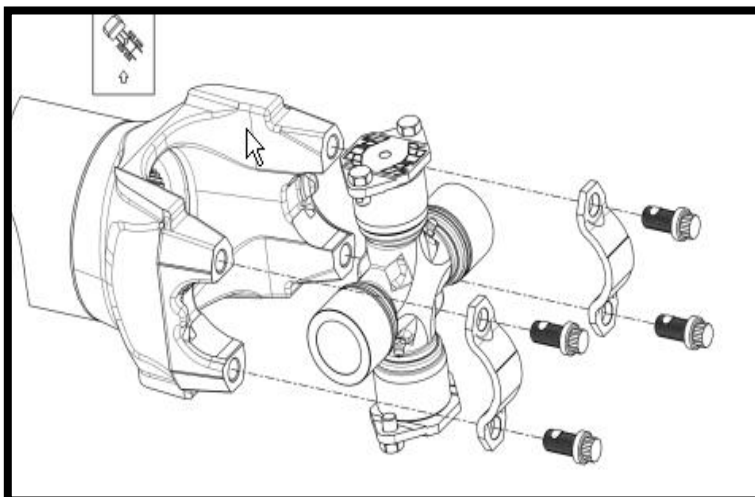
Interaxle Driveline Type 2

Breakaway torque	
Retaining strap, screw	85 Nm (62 lb _r ·ft)
Tightening torque	
Retaining strap, screw	170 ±14 Nm (125 ±10 lb _r ·ft)



Interaxle Driveline Type 3

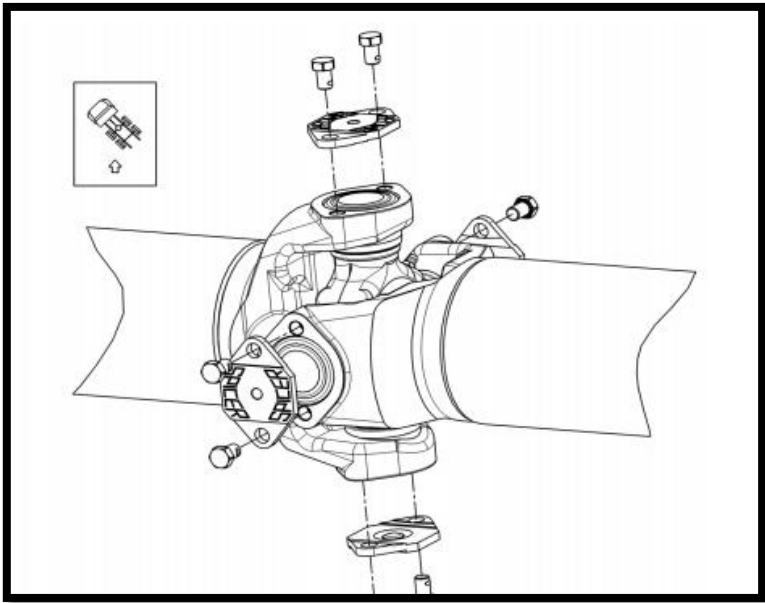
Breakaway torque	
Retaining strap, screw	85 Nm (62 lb _r ·ft)
Tightening torque	
Retaining strap, screw	170 ±14 Nm (125 ±10 lb _r ·ft)



Interaxle Driveline Torque

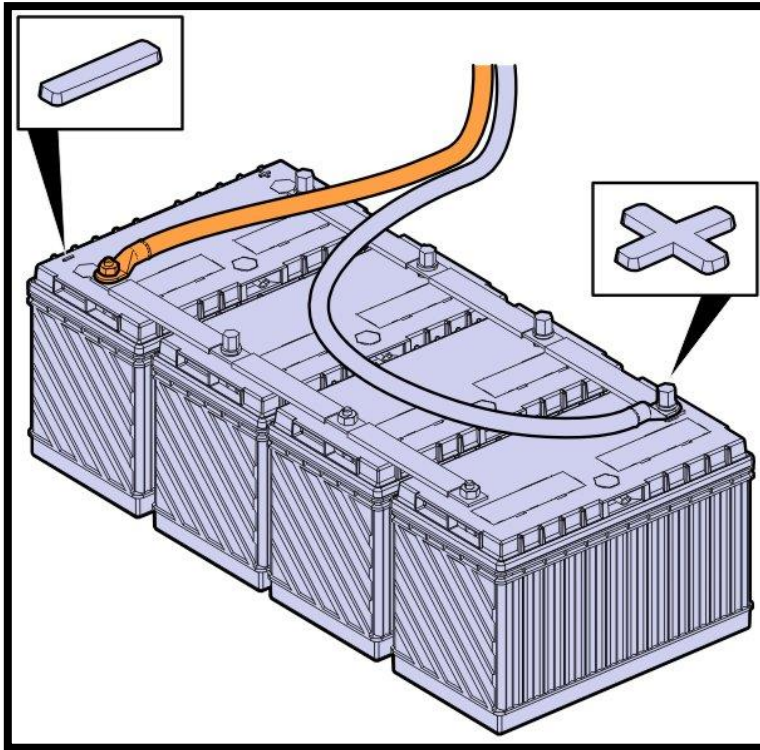
Interaxle Driveline Type 4

Breakaway torque	
Retaining strap, screw	29 Nm (21 lb _r -ft)
Tightening torque	
Retaining strap, screw	58 ±7 Nm (43 ±5 lb _r -ft)

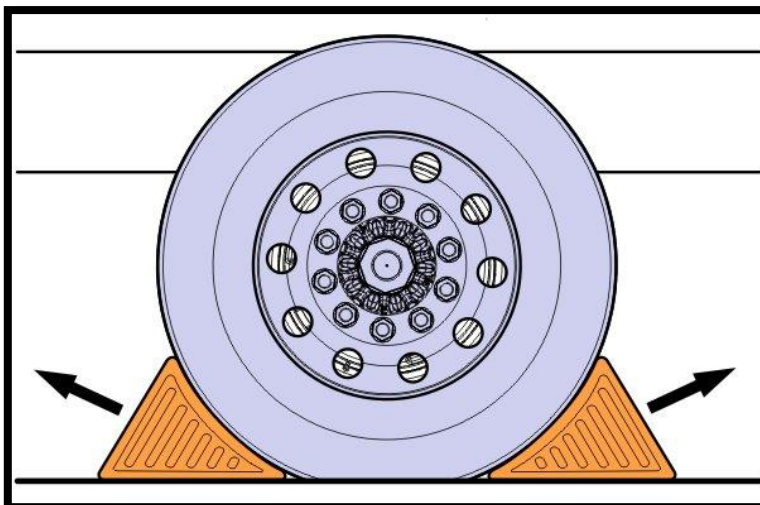


10. Connect the cable to the negative terminal.

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11. Remove the wheel chocks.



12. Release vehicle to service.