



MDI, (ABS) Software Update and Brake Inspection

Service Category Service

Section Function Group 511

Technician Skill Level A

Market North America

Applicability

Mack

Years	Models
2019-2021	AN

Introduction

For certain MDI Mack Trucks an updated adaptive cruise software has been developed. The new software will be delivered as an updated PAR file to the ABS Module and will help reduce heat load on steer axle’s brake assemblies during an adaptive cruise control braking event. Follow the instructions below to visually inspect the brake rotors on the steer axle for excessive heat damage and update the ABS software.

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	MP-8	EM-USA17, EM-USA21	18-September-2018	16-June-2023

Warranty Information

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
9000-06-09-01	Miscellaneous, Inspection	0.3
1700-22-03-11	Campaign, Programing	0.3
Causal Part	24121370	
SCC Authorization Code	S3837	
Expiration Date	December 31, 2024	

MDI (ABS) Software Update and Brake Inspection

Parts Information

If part replacement is approved, Refer to Impact for parts needed to complete the repair.

Important Part Note
Replaced parts may be required for return to TMAC. Tag all parts with the following: VIN, mileage, hours, and repair date.

Required Tools & Equipment

- None

Calibration Information

- See programing procedure below.

Inspection Procedure

1. Secure truck for service.
2. Place the gear lever in neutral.
3. Install wheel chocks.
4. Perform a visual inspection of the driver and passenger side, steer axle's brake rotors. Check for excessive heat damage resulting in cracked or broken rotors, see examples below.

Note!
The wheels do not have to be removed to perform this visual inspection.

Note!
Heat checking marks are normal and do not require replacement.

MDI (ABS) Software Update and Brake Inspection



(Example of failed rotors)

- A. If a damaged rotor is found during the inspection, reach out to Michael Moriarty for labor and part replacement approval at michael.moriarty@volvo.com or (336) 338-6947. Once replacement has been approved continue to **step 5**.
- B. If no damage is found during the inspection, proceed to the Programing Procedure below.

Repair Procedure (If approved)

5. Replace steer axle rotors, pads, caliper mounting bolts, and seals with new ones, following the manufacture's repair instructions.

[Service Manual](#)

Programing Procedure

6. Connect to the vehicle using PTT.
7. Run operation **5931-07-03-20** under the Calibrate tab to update the control unit.

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).

8. Remove wheel chocks.
9. Release vehicle back to service.