



**Mack SNM 14-003 US10 MP7, MP8, MP10
Turbocharger SPN 641 FMI 7**



> Internal Content

Refer to [SNM14-003](#) for further information on procedures regarding SPN 641 FMI 7.



Tags

[k71041417](#) [spn 641](#) [spn 641 fmi 7](#) [mack](#)

Related links and attachments

[SNM 14-003, EPA 2010 SPN 641 FMI 7](#)



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MACK TRUCKS SERVICE NEWS



To: U.S. and Canada Mack General Managers
U.S. and Canada Mack Service Managers
U.S. and Canada Mack Warranty Managers

Bulletin: SNM14-003
Date: February 12, 2014
Valid to: Until Further Notice
Replaces: SNM13-040
Action Required? **Yes**

From: Greg Holderfield – Director, Product Reliability

Subject: EPA-2010 MP7/MP8/MP10 Turbocharger DTC (SPN 641 FMI 7)

Please utilize the following instructions to address Turbocharger DTC, SPN 641 FMI 7:

Diagnostic Instructions

Conditions for fault code SPN 641 FMI 7:

- Variable Geometry Turbocharger Actuator – Mechanical system not responding or out of adjustment

Probable Cause:

- Turbocharger/nozzle assembly issue

Possible (observable) Symptoms:

- Malfunction indicator lamp (MIL)
- Check Engine Light



Note: Pre-Authorization from Tech Support is NOT required.

Repair Instructions:

1. Reprogram the MID 128 ECU to ensure that it has the most recent software. *Correct software version is critical to the operation of the turbocharger.*
2. Test drive unit after software is updated.
3. If fault code does not return during test drive, no further action is necessary. Release unit.
4. If fault code returns, replace turbocharger. No further diagnosis is necessary.

Note: Effective November 15, 2013, any repairs made without updating to latest software and following the above procedure will be subject to denial. Removed turbochargers will be inspected upon return to TMAC.



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Reimbursement Instructions:

Create warranty claim with the following information:

1. Reference SPN 641 FMI 7 in claim comments.
2. This repair is eligible for the following reimbursement:

Operation	Hours	Labor Code	Additional Comments
Replace Turbocharger		214SD3625 (MP7) 214SD3725 (MP8) 214SD3845 (MP10)	
Software Update	0.4	230GD3613 (MP7) 230GD3713 (MP8) 230GD3813 (MP10)	
Take Charge	0.3	101AA0A00	May only be used once per vehicle repair visit
Test Drive	0.5	101TA0002	
Diagnostic Time	0.3	101UA0109	Subject repair is eligible for 0.3 hours. No additional time will be authorized

This bulletin supersedes Bulletins **SNM13-040** (November 2013)