Mack Chassis - SNM 14-021 Air In Fuel System Check

Internal Content

Refer to SNM14-021.

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Service News

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

From: *Greg Holderfield – Director, Product Reliability*

Subject: *Air in the Fuel System Check*

Bulletin: *SNM14-021*
Date: *June 24, 2014*
Valid to: *Until Further Notice*
Replaces: *N/A*
Action Required? *Yes*

A new service bulletin and video has been released on the proper procedures for checking for air in the fuel system. Along with the new procedures two new tool kits has been released to properly troubleshoot difficult starts and engine misfire issues.

This bulletin consists of two parts:

Basic & Advanced

Basic: *This is just your basic checks; confirm adequate fuel in tanks, check for leaks and making sure fuel filters are secure with no obvious leaks. Basic check requires that you install the clear test line coming out of the return side of the head to determine if there excessive air (Foam) in the fuel system.*

Advanced: *This check is more in depth and continues where basic leaves off, checking for issues with the suction side of the fuel system, fuel filter base and fuel lines at the engine. The advanced is the combination of the Basic and Advanced together.*

Warranty: *There are two separate labor codes for the Air in fuel system, Check.*

Labor codes 220CA0107 e-warranty, UCHP 2309-06-02-02 is used for the Basic part of the bulletin if an issue was found in one of the checks in the basic section of bulletin or air was not confirmed during the checks.

Labor codes 220CB0107 e-warranty, UCHP 2309-06-02-04 is the combination of the Basic and Advanced together this is only used when the basic steps have been performed and air was found in the return line and there was no issues found with the obvious checks in the basic part of the bulletin and have to continue troubleshooting in the next steps (Advanced part of the bulletin).

Latest Service Bulletin:

Air in the Fuel System, Check (PV776-89149414)

A Video has been created to visually show the proper procedures to follow when troubleshooting the fuel system. This video can be found in (LMS) Learning Management System

(Video is required to be watched before continuing with bulletin)

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Tips when applying the bulletin:

- *Only run the engine* **at idle** *to check for the air in fuel.*
- **Do not** *perform air in fuel check as a* **road test.**
- *Never check for air going into the inlet side of the head, this test is inaccurate and could lead to misdiagnoses*
- *The old method of pressurizing head is misleading and has been removed from the latest bulletin.*
- *Make sure all Notes and cautions are read while going through the bulletin.*

Required New Tools:

Tool kit part numbers 88800236 and 88800475 are available to help in locating points of air entry into the fuel system.
The kit consists of:
- *6 m (20 ft.) transparent hose assembly with 16 mm banjo and 3/8 NPTF*
- *60 cm (2 ft.) transparent hose assembly with 2 – 14 mm banjos*
- *6 hex head cap screws*
- *10 seal washers*
- *5 hex nuts*
- *1 plug*
- *76 cm (30 in) transparent hose assembly with 1 – 14 mm banjo*
- *4.5 m (15 ft.) transparent hose assembly with 16 mm banjo and 3/8 NPTF*

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