

DEF Pump Connection Inspection

Service Category Service Department

Section Example 258

Technician Skill Level A

Market North America

Applicability

VOLVO

Model Years	Models
2022 - 2023	LR, TE

Introduction

Mack Trucks has determined that certain LR and TE Model Vehicles may have incorrect orientation of the DEF Inlet and Backflow Lines at the DEF Pump. To correct this issue, inspect the orientation of the DEF lines to pump connections and correct as necessary.

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	MP7	EM-USA17	05-January-2022	19-January-2022

Warranty Information

This repair may be eligible for reimbursement if a product failure was experienced with in time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via 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 .1hr x qty 4	0.4
Causal Part	21481831	
SCC Authorization Code	S7628	
Expiration Date	February 28, 2023	

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Parts Information

N/A

Required Tools & Equipment

N/A

Calibration Information

N/A

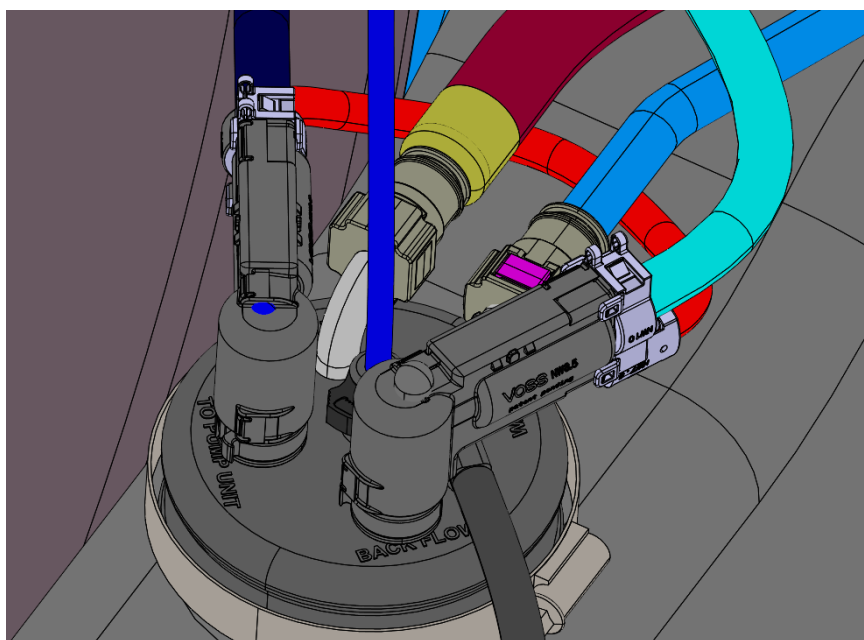
Repair Procedure

1. Secure vehicle for service.
2. Inspect DEF hose connections at DEF pump.
3. DEF hose with black label marked "INLET" should be connected to black fitting on the left of pump labeled as "INLET". Use the below image as reference.
4. DEF hose with yellow label marked "BACKFLOW" should be connected to white fitting on pump labeled as "BACKFLOW". Use the below image as a reference.



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5. If the hoses are not connected to the pump correctly, pinch the white clip on the hose connector to release each hose.
6. Re-install the hose to the correct pump fitting. Push the hose down on the connector until it “clicks” to lock on the fitting.
7. Check the hose connections on top of the DEF tank. Pull up on the connector to ensure that each connector is locked on the fitting.



Note: These connectors are two different sizes. The larger connector goes to the “BACKFLOW” fitting on the tank. The smaller connector goes to the “TO PUMP UNIT” fitting on the tank.

8. If the connector is not locked on the fitting, push down on the connector until it “clicks” to lock.

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9. Start the vehicle and check for any leaks in the DEF system.
10. Using PTT clear any DTCs.
11. Release vehicle for service.