

REMOTE DIAGNOSTICS REPAIR INSTRUCTIONS



DTC: P008A-00 / P0087-00

Bulletin: RD24-31 Date: December 17, 2024

Description: Low Fuel Pressure

Applies to: US24 Emissions VN (4) B1

For Spanish click here: [ESPAÑOL](#) For French click here: [FRANÇAIS](#).
General Information

NOTE: The result of receiving this repair instruction is because P008A-00 and P0087-00 fault codes are/were both active at the same time.

NOTE: Before proceeding, please make sure that **ALL** electronic control modules are up to date and there are no pending updates available.

These repair instructions are intended to address the following fault(s):

DTC	Description	Possible Cause	Possible (Observable) Symptoms
P008A-00	Low Pressure Fuel System Pressure - Too Low	• Clogged fuel filter - Low fuel level – Air in the fuel system • Fuel tank ventilation is not working properly • Fuel pump malfunctioning • Engine Fuel Pressure Sensor	• Difficult starting • Low Power
P0087-00	Fuel Rail/System Pressure - Too Low Bank 1	• Rail pressure sensor • Wiring harness between component connector and electronic control unit (ECU) connector	• Low Power • Engine speed limited to 1500 rpm

Required Parts

Part Number	Description	Quantity
24470898	filter kit; primary	1
24137737	filter kit; secondary	1

Additional Resources

These repairs are the most likely fix for the identified fault, if this does not fix the issue, Tech Tool will need to be used for more detailed diagnostics. If filing a warranty claim, please include the ASIST case number.

Labor Code	
2335-03-02	0.3
Causal Part	24137493

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Illustrations may differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.



Colors used in illustrations are for highlighting purposes only and do not correspond to the actual colors of the vehicle.



All threaded fasteners that do not have a tightening torque specification in the information are tightened to a standard

torque. Standard torques are available in Impact.



CAUTION

Risk of material damage.

Contaminated fuel can damage the fuel system and the injectors.

- ▶ Never pour fuel from the old filter to the new one.



CAUTION

Service Information Advisory.

If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

- ▶ You must read and understand the precautions and guidelines in Service Information, Function Group 2, "General Safety Practices, Engine" before performing this procedure.

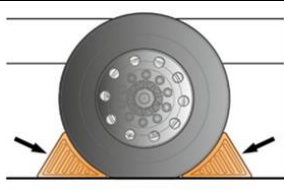
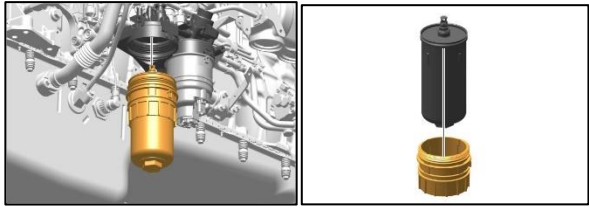
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Park the vehicle on a level surface. Apply the parking brake. Place the gear lever in neutral. Install the wheel chocks.	
Position a draining container. Clean around the fuel filter. Remove the fuel filter. Note: Use a suitable tool. Dispose of the collected fluid at a recycling facility.	
Transfer the part. Install the collar. Note: The ribs on the filter should fit into the grooves. Lubricate the O-ring. Note Use a new part. Use recommended engine oil. Install the O-ring. Clean the contact surface, Install the fuel filter. Torque tighten the fuel filter. Tightening torque Fuel filter 25 Nm (18 lb ft).	
Start the engine. Check for leakage. Stop the engine. Remove the wheel chocks.	