

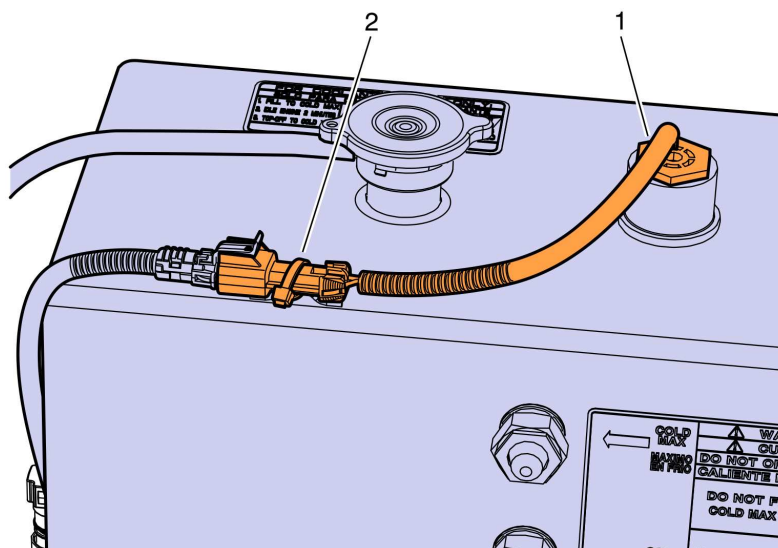
Coolant Level Sensor, Replacement MRU, LEU, LR

FSB 386-009, Coolant Level Sensor, Replacement

(May 2015)

The coolant level sensor (part number 21257608) on some MACK cabover trucks built between 10/04/2008 and 02/20/2015 may fail internally. Failure of the sensor can cause the malfunction indicator light (MIL) to illuminate and can cause an unplanned stop in cases where the engine parameter "engine shutdown with low coolant" is enabled. To prevent further issues with false low coolant warnings, replace the coolant sensor with part number 22312907.

Note: This bulletin does not apply to MACK Trucks Australia.



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Required Parts (Coolant Level Sensor, Replacement)

Item	Description	Part Number	Qty
1	Coolant Level Sensor	22312907	1
2	Cable Tie	25155806	1

Note: Information is subject to change without notice.
Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

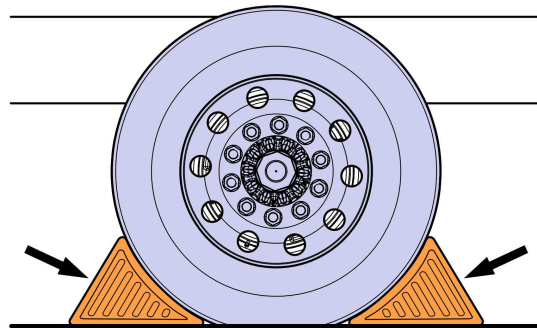
Procedure

You must read and understand the precautions and guidelines in Service Information, Function Group 3, "General Safety Practices, Electrical" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

DANGER

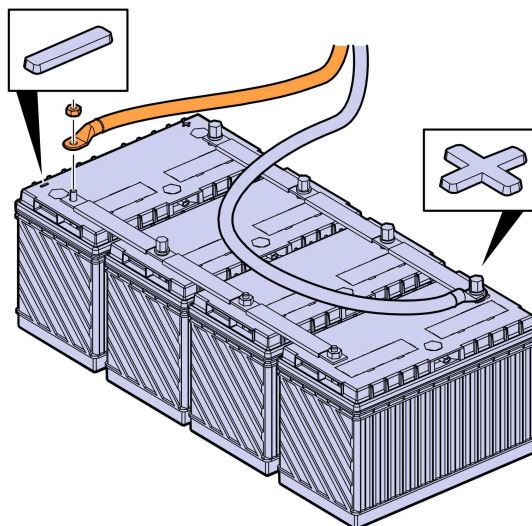
Do not attempt to repair or service a vehicle without the proper training, tools and service information. Failure to do so may result in component damage, serious injury or death.

- 1 Park the vehicle on a flat and level surface.
- 2 Apply the parking brake.
- 3 Place the transmission in neutral or park.
- 4 Install the wheel chocks.



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- 5 Disconnect the cable from the battery's negative terminal.



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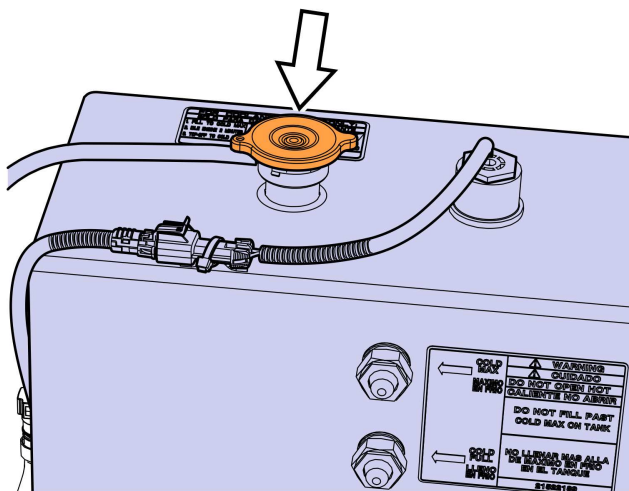
- 6 Remove the pressure cap from the coolant tank.



WARNING

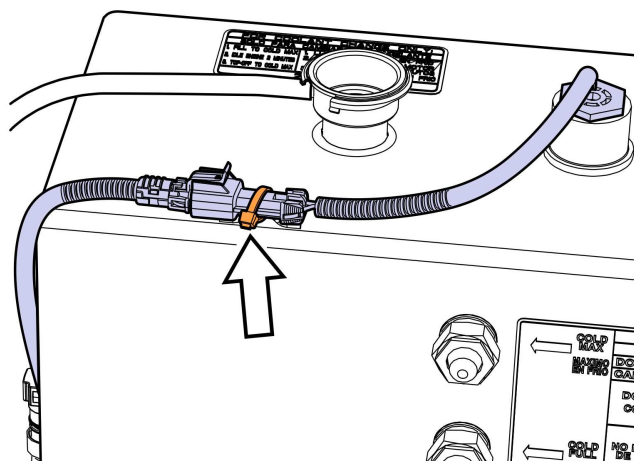
Do not remove the coolant fill cap (or cap on the expansion tank) if the coolant is hot; wait until coolant temperature is less than 50° C (120° F). Otherwise, scalding steam or fluid may escape under pressure, which can cause serious injury.

Note: Removing the cap from the coolant tank will relieve cooling system pressure.



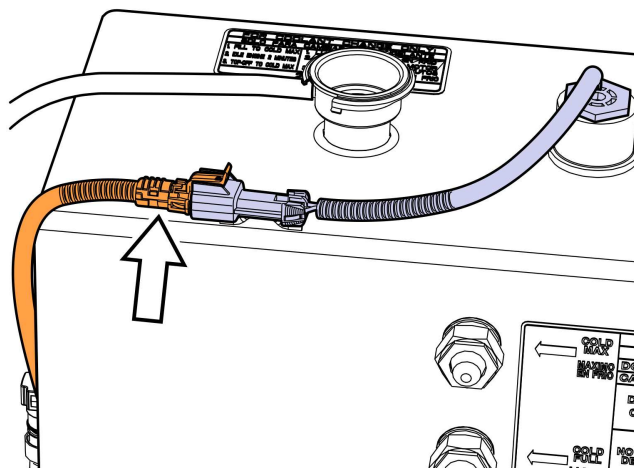
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7 Remove the cable tie.



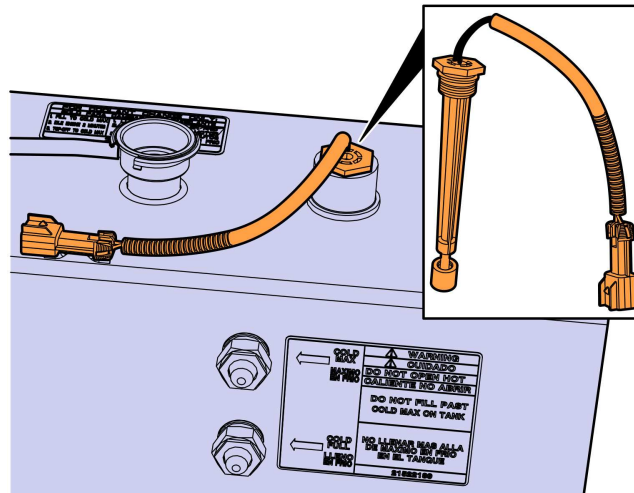
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8 Disconnect the coolant level sensor connector.



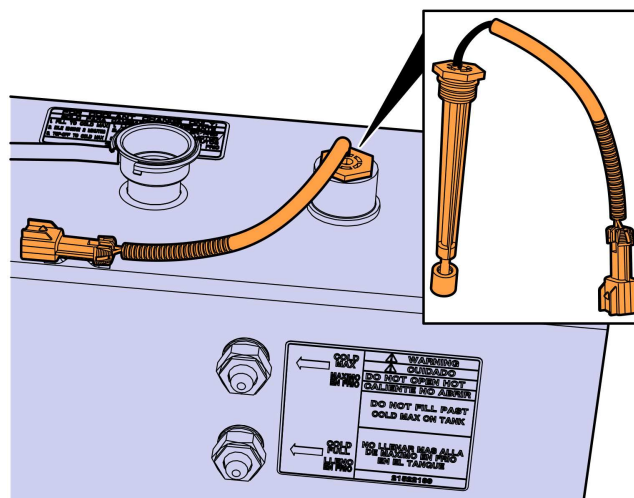
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- 9 Using hand tools, remove the coolant level sensor.



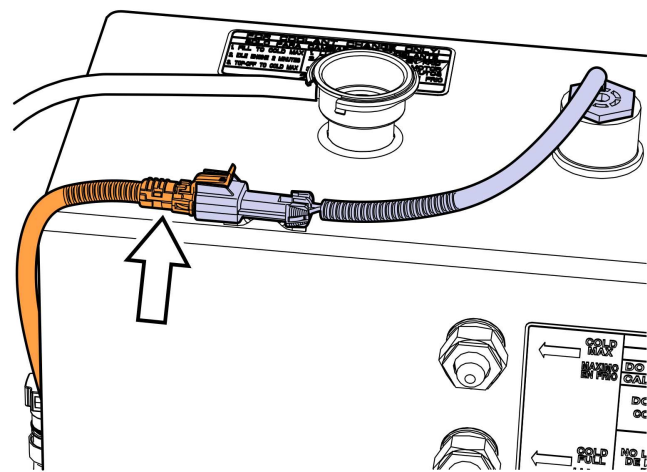
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- 10 Install the new coolant level sensor (part number 22312907).
11 Using hand tools, tighten the coolant level sensor to 10 Nm (88 in-lb).
Note: Do not overtighten the coolant level sensor.



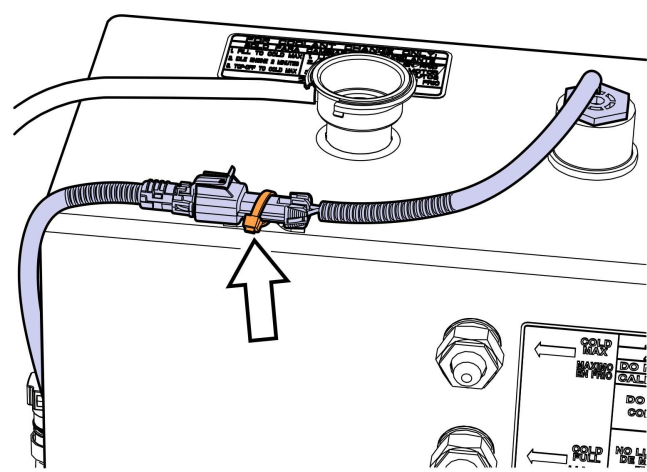
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12 Connect the coolant level sensor to the harness.



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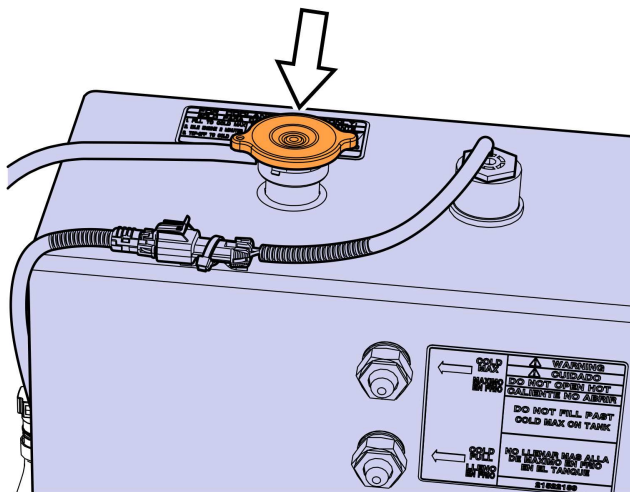
13 Using a cable tie, secure the coolant level sensor harness as shown.



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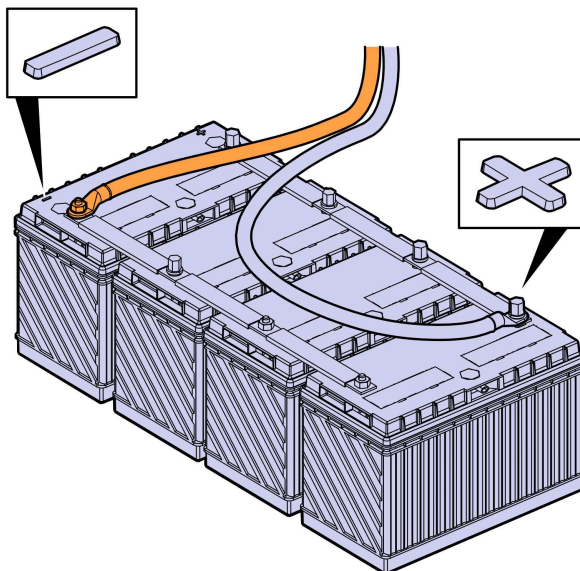
14 Install the coolant tank pressure cap.

Note: Ensure the coolant tank pressure cap is in the locked position.



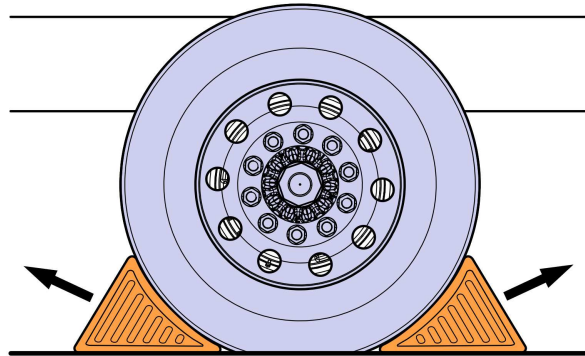
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15 Connect the battery cable to the negative (ground) terminal.



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16 Remove the wheel chocks.



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Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	UCHP Reimbursement	eWarranty Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01	01
Labor Code		
Primary Labor Code (Coolant Level Sensor, Replacement)	3862-03-09-01 0.3 hrs.	2732G-01-80 0.3 hrs.
Causal Part	21257608	21257608

MACK Trucks North America reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.