

On some Western Star 4700 models, the plastic frontwall-mounted surge tank (A05-28531-001) may crack around the filler neck. If this occurs, replace the tank with the improved design part (A05-28531-002). See [Fig. 1](#) for a typical installation.

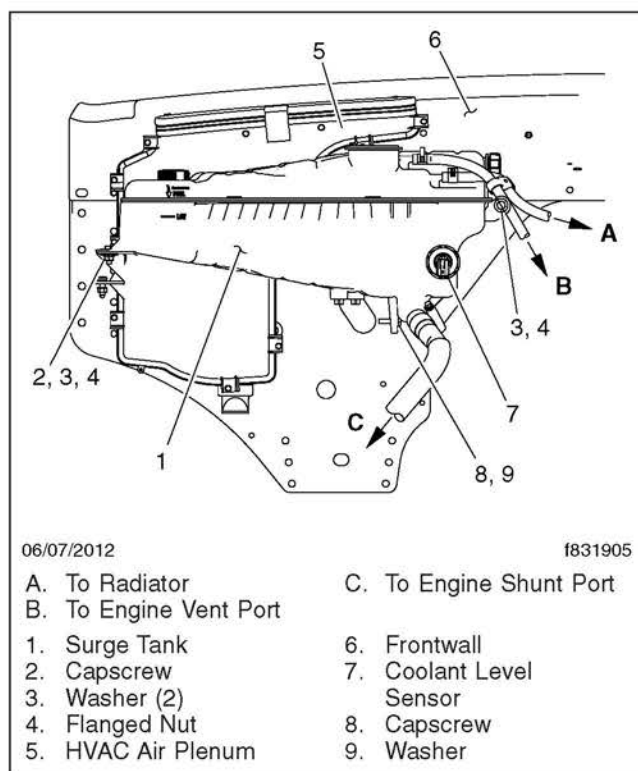


Fig. 1, Plastic Frontwall-Mounted Surge Tank Installation

Surge Tank Replacement

1. Park the vehicle on a level surface, shut down the engine, and apply the parking brakes. Chock the tires.
2. Remove the surge tank cap, and drain the coolant system enough to allow the surge tank to empty.
3. Mark the hoses attached to the surge tank for reference, then disconnect the hoses.
4. Disconnect the wiring harness from the low coolant sensor.
5. Remove the fasteners attaching the old surge tank to the air cleaner bracket, the HVAC plenum, and the frontwall.
6. Remove the old surge tank.
7. Remove the overflow hose from the old surge tank.
8. Install the overflow hose on the bottom of the new surge tank.
9. Position the new surge tank onto the air cleaner bracket, then install the fasteners. Tighten just enough to hold the surge tank in place.
10. Attach the new surge tank to the HVAC air plenum and the frontwall.

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Service Bulletin**

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11. Tighten all the fasteners 18 lbf-ft (24 N-m).
12. As previously marked, connect the engine and radiator hoses to the surge tank.
13. Fill the coolant system through the surge tank.
14. Install the surge tank cap.
15. Connect the wiring harness to the low coolant sensor.
16. Start the engine and check for coolant leaks. Repair any leaks. Add coolant if needed.

Parts

Parts are available through the PDC. Refer to [Table 1](#) for replacement part number.

Replacement Part	
Original	Replacement
A05-28531-001	A05-28531-002

Table 1, Replacement Part

Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 2](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
A05-28531-001	042-002-009	14	267-5065A	Surge Tank, R/R	0.8

Table 2, OWL VMRS Codes and Labor Allowance