

Constellation
Heritage
4700 Models

> 4800 Models
> 4900 Models
5700 Models

5900 Models
6900 Models

Western Star
Service Bulletin

General Information

Interference between the hood insulation, the surge-tank deaeration hose, and the engine air-intake plenum has been reported on some Western Star 4800 and 4900 models, with Detroit engines, built between start of production and June 15, 2015. This interference may cause a leak or damage to the affected components.

The hose routing has been revised at the manufacturing plant to address this issue. There are no part number changes. If a leak or rubbing issue is found, follow the instructions below to repair and reroute the hose. The replacement hose will be longer to accommodate the new routing.

Use PartsPro by serial number to identify the hose to order, and view the installation diagram. Refer to [Table 1](#) for the installation diagram new dash number.

Surge-Tank Deaeration Hose Configurations by Vehicle			
Model	Engine	Old Installation Diagram	New Installation Diagram
4800 109 BBC	DD13	D05-23021-000	D05-23021-001
4800 109 AWD	DD13	D05-29340-000	D05-29340-001
4900 123 BBC	DD15	D05-30192-000	D05-30192-002
4900 123 BBC	DD15	D05-30192-001	D05-30192-003
4900 132 BBC	DD15	D05-30193-000	D05-30193-001
4800 109 BBC	DD13	D05-30194-000	D05-30194-002
4900 123 BBC	DD13	D05-30194-001	D05-30194-003
4800 109 BBC	DD13	D05-30195-000	D05-30195-002
4900 123 BBC	DD13	D05-30195-001	D05-30195-003
4900 123 BBC	DD15	D05-31184-000	D05-31184-002
4900 123 BBC	DD15	D05-31184-001	D05-31184-003

Table 1, Surge-Tank Deaeration Hose Configurations by Vehicle

Replacement

1. Park the vehicle on a level surface, shut down the engine, and set the parking brakes. Chock the tires.
2. Inspect the routing and condition of the surge-tank deaeration hose and adjacent components; check for coolant leaks, rubbing on adjacent parts, and if the hose is routed over the engine air-intake plenum. If any of these conditions are found, proceed to the next step.

WARNING

Do not attempt to drain the cooling system until the coolant and engine are cool. Draining the cooling system prior to system cooling could cause severe personal injury due to scalding.

3. Drain the cooling system enough to remove any coolant from the deaeration hose.
4. Remove the original hose and discard it.
5. Install the new hose. Route the new hose under the engine air-intake plenum and to the surge tank. Use available clipping locations as needed. Refer to [Fig. 2](#) for typical new hose routing.
6. Inspect the intake air plenum near the deaeration hose for damage. Repair or replace as needed.
7. Inspect the hood insulation in the area of the deaeration hose for damage. Repair or replace as needed.

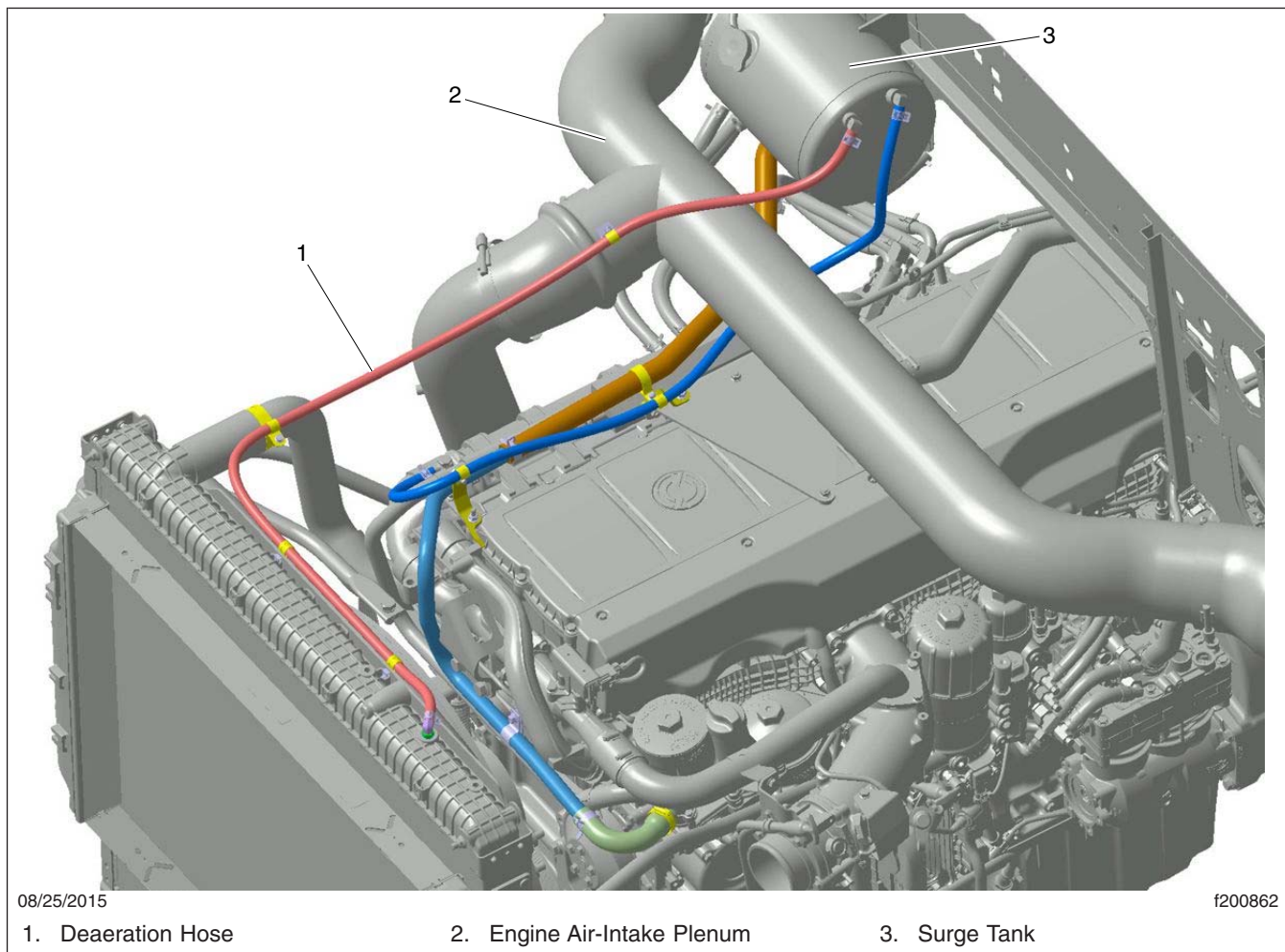


Fig. 1, Old Deaeration Hose Routing (typical)

8. Add coolant to the engine cooling system as needed.

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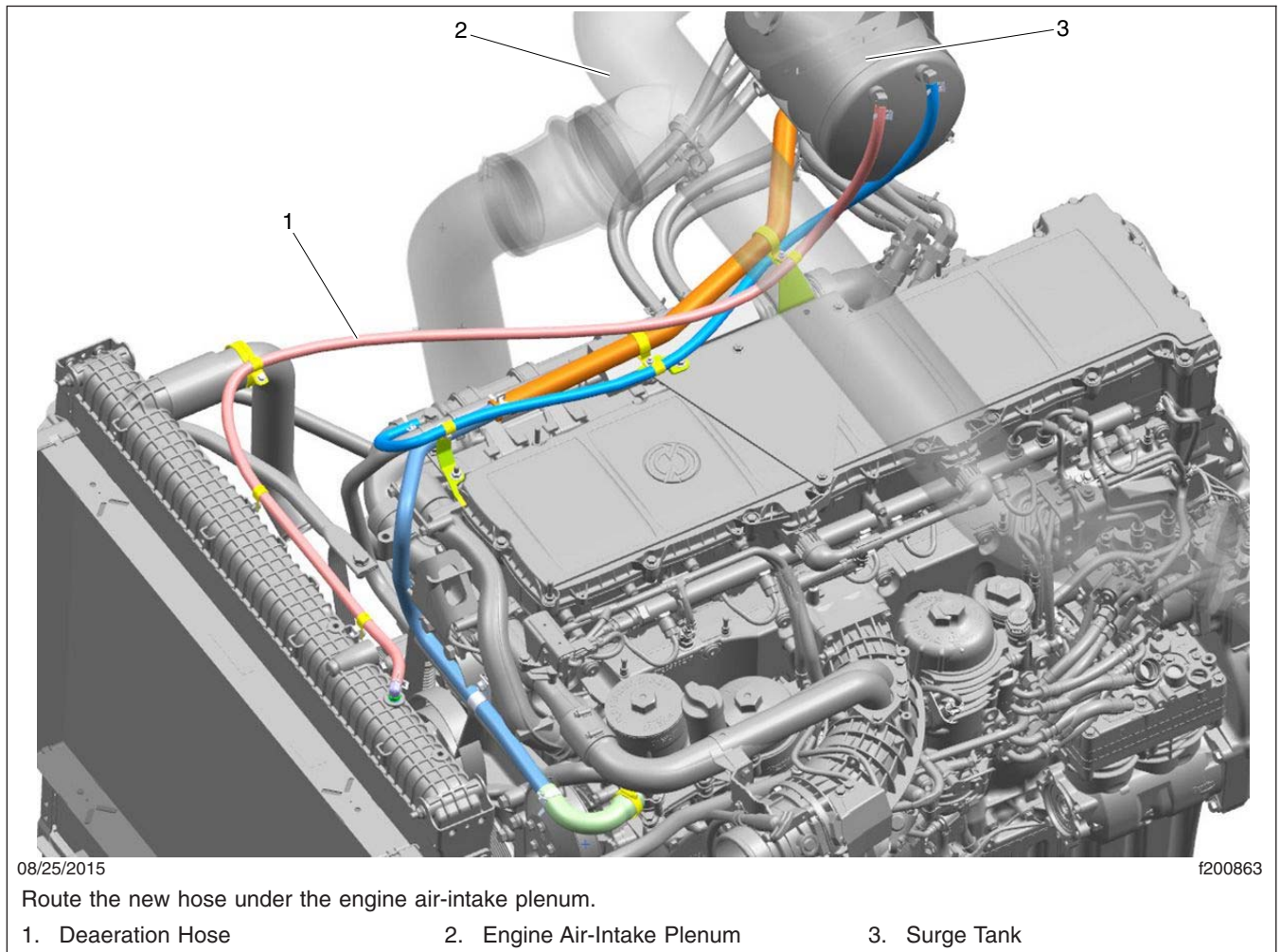


Fig. 2, New Deaeration Hose Routing (typical)

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.

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OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
All	042-002-061	9	27H-5000B	Deaeration Line, Surge Tank, Inspect	0.1
05-15440-051	042-002-061	9	27H-5000A	Deaeration Line, Surge Tank, Replace and Reroute	0.6
05-15440-056					
05-15440-060					
05-15440-065					
05-15440-069					
05-15440-070					
05-15440-075					
05-15440-085					
05-16832-049					
05-16832-056					
05-16832-057					
05-16832-060					
05-16832-061					
05-16832-065					
05-16832-067					
05-16832-069					
05-16832-070					
05-16832-072					
05-16832-082					

Table 2, OWL VMRS Codes and Labor Allowance