

Constellation
Heritage
4700 Models
> 4800 Models

> 4900 Models
5700 Models
5900 Models
> 6900 Models

**Western Star
Service Bulletin**

General Information

The Western Star perpendicular air tank bracket (part number WWS 71103-3445) has been discontinued and replaced with a new design (part number 12-27543-000). When upgrading to the new perpendicular air tank bracket, new air tank mounting straps and hardware are also required. Two additional holes must be back drilled through the frame rail.

Parts

Parts are available through the parts distribution center (PDC). For required parts, refer to [Table 1](#) or [Table 2](#) depending on the vehicle configuration.

Installation D12-27550-000 (1750 cubic inch tank on top and 1750 or 2000 cubic inch tank on bottom)			
Reference	Part Number	Item Description	Qty
A001	12-27543-000	BRKT-AIR TANK,PERP TO RAIL	1
A003	A12-27488-000	BRKT-AIRTANK,WST,STL,PERP RL	4
A004	23-09436-125	SCREW-CAP,HEX,3/8-16	8
A005	23-11600-104	NUT-HEX,LKG,3/8-16,SST	8
A006	23-09441-150	SCREW-CAP,HEX1/2-20X1.5 GR8PO	6
A007	4011-3413	WASHER,FLT-HARD,1/2X1.0X.10TH	12
A008	23-13833-208	NUT-HEX,PT,1/2-20,C,ZN/AL,.448	6
AA00	D12-27550-000	INSTL-AIRTANK,PERP,1750,Top	Install Drawing

Table 1, Installation D12-27550-000 (1750 cubic inch tank on top and 1750 or 2000 cubic inch tank on bottom)

Installation D12-27550-001 (900 cubic inch tank on top and 1750 or 2000 cubic inch tank on bottom)			
Reference	Part Number	Item Description	Qty
A001	12-27543-000	BRKT-AIR TANK,PERP TO RAIL	1
A003	A12-27488-000	BRKT-AIRTANK,WST,STL,PERP RL	4
A004	23-09436-125	SCREW-CAP,HEX,3/8-16	8
A005	23-11600-104	NUT-HEX,LKG,3/8-16,SST	8
A006	23-09441-150	SCREW-CAP,HEX1/2-20X1.5 GR8PO	6
A007	4011-3413	WASHER,FLT-HARD,1/2X1.0X.10TH	12
A008	23-13833-208	NUT-HEX,PT,1/2-20,C,ZN/AL,.448	6
AA00	D12-27550-001	INSTL-AIRTANK,PERP,1750,Top	Install Drawing

Table 2, Installation D12-27550-001 (900 cubic inch tank on top and 1750 or 2000 cubic inch tank on bottom)

Removal

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Drain the air from the vehicle.

NOTE: Do not disconnect the air lines from the air tanks.

3. Remove the four tank strap bolts from the lower air tank, and lower the tank to the ground. The tank will hang from the air lines.

4. Remove the four tank strap bolts from the upper air tank and secure the tank out of the way to the frame rail.
5. Remove the four air tank bracket mounting bolts and remove air tank mounting bracket from the vehicle.

Installation

Refer to [Fig. 1](#) for this procedure.

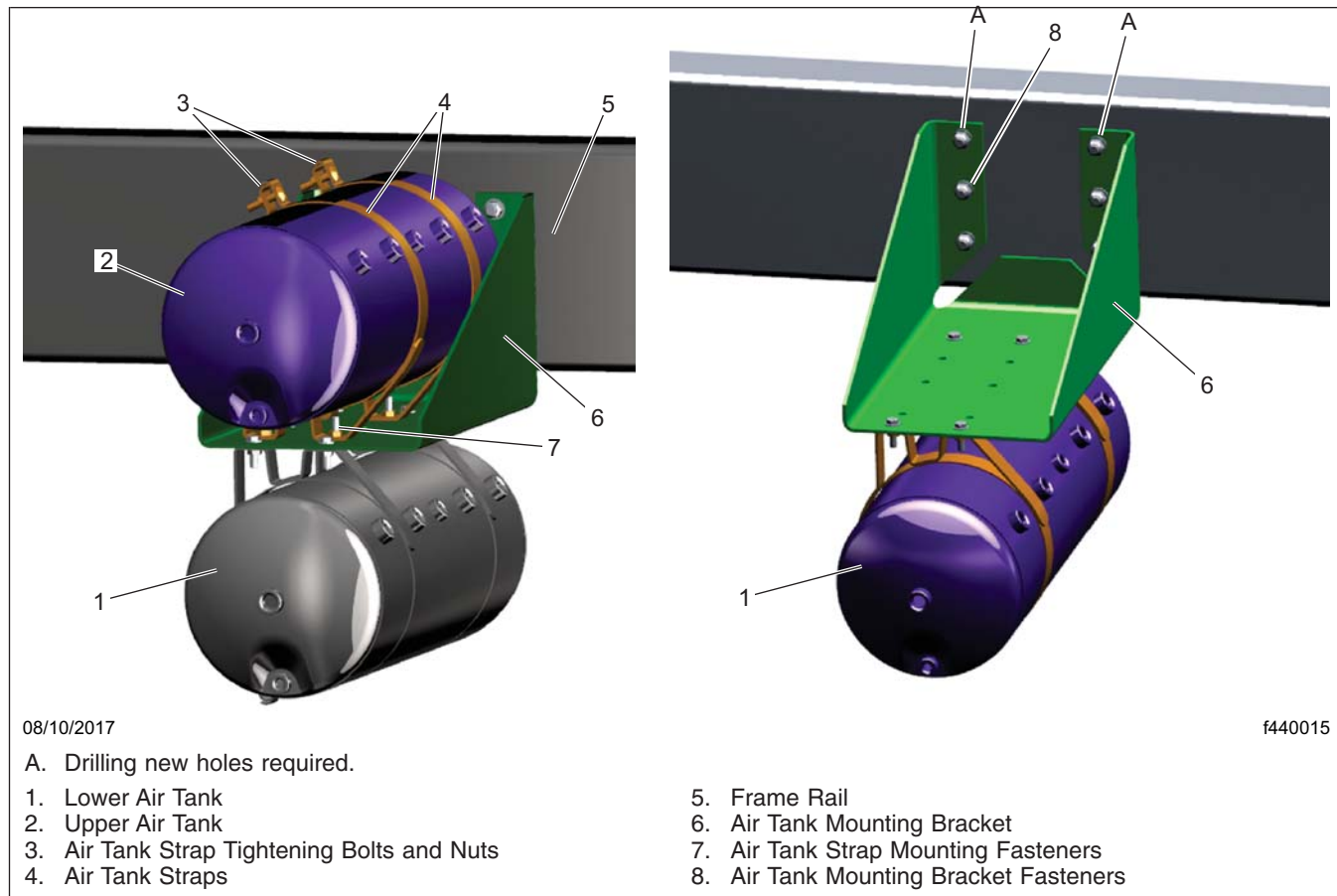


Fig. 1, Air Tank and Bracket Installation

1. Align the lower four holes of the new bracket with the existing frame holes and install the four mounting bolts. Hand tighten the four bolts.
2. Mark the two top holes that need to be drilled.
3. Remove the four mounting bolts and the new bracket.
4. Verify that no lines or wiring harnesses are in the way.
5. Using a 13.5 mm (17/32 inch) bit, drill the top two holes through the frame rail.
6. Install the bracket and hand tighten the six mounting bolts. Tighten the fasteners 64 lbf·ft (87 N·m).

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7. Install both upper tank strap brackets onto the mounting bracket. Tighten the fasteners 28 lbf·ft (38 N·m).
8. Install both lower tank strap brackets onto the mounting bracket. Tighten the fasteners 28 lbf·ft (38 N·m).
9. Install the upper tank onto the mounting bracket. Tighten the reaction joint clamp bolts 26 lbf·ft (35 N·m).
10. Install the lower tank onto the mounting bracket. Tighten the reaction joint clamp bolts 26 lbf·ft (35 N·m).

Warranty

This is an informational bulletin only. Warranty does not apply.