

TECHNICAL INSTRUCTIONS

Carrier Corporation ("Carrier") shall have no obligation or responsibility (including product warranty obligations) with respect to (a) any third-party components not supplied by Carrier, (b) non-compliant installations of Carrier components or (c) configurations of Carrier components that differ from Carrier's recommended configurations. Further, Carrier provides these instructions as a courtesy only, and on an as-is basis. By using these instructions, you acknowledge and agree that use of these instructions is at your own risk.

30 Gallon Fuel Tank Installation

Models: X4 7700

Purpose: The intent of this technical instruction is to provide guidelines for installing 30-gallon sumpless fuel tank with electric fuel pump located at the tank.

Required Parts

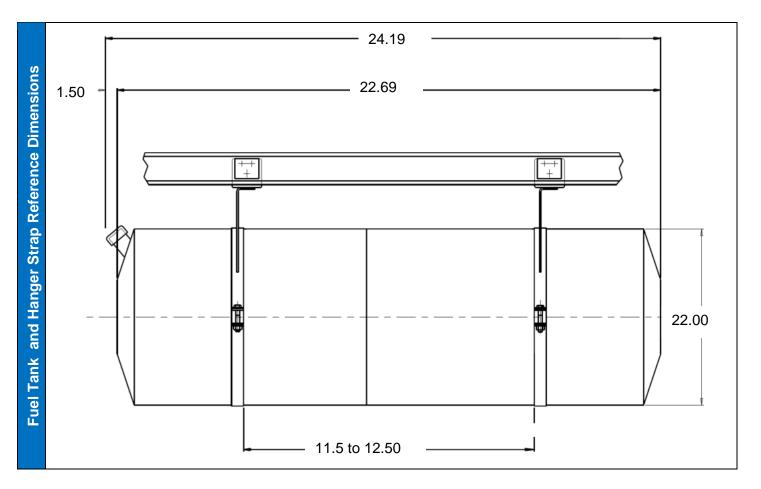
Quantity	Part Number	Part Description
1	12-00921-02	Tank, Fuel
1	76-00988-01	Kit, Installation
1	79-01623-06	Kit, Tank Strap
1	Loctite 577	Sealant, Thread

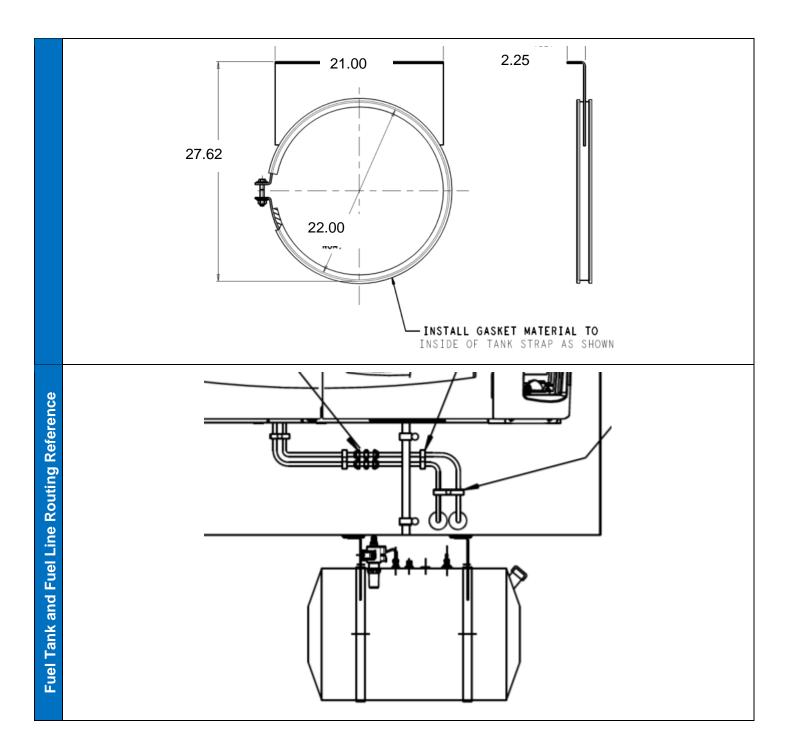
Required Tools

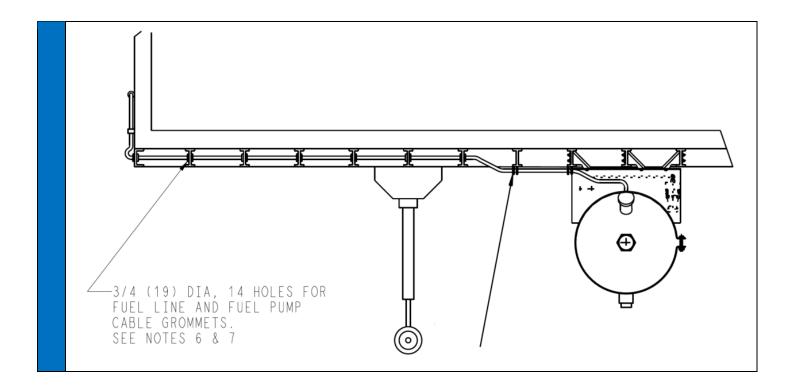
Part Number	Part Description
Customer Supplied	Drill
Customer Supplied	Bit, Drill 9/16" and 13/32"
Customer Supplied	Cutter, Hose
Customer Supplied	Crimper, Weather Pack 14-16 AWG
Customer Supplied	Wrench, Torque (9-60 ft-lb)

Installation Requirements

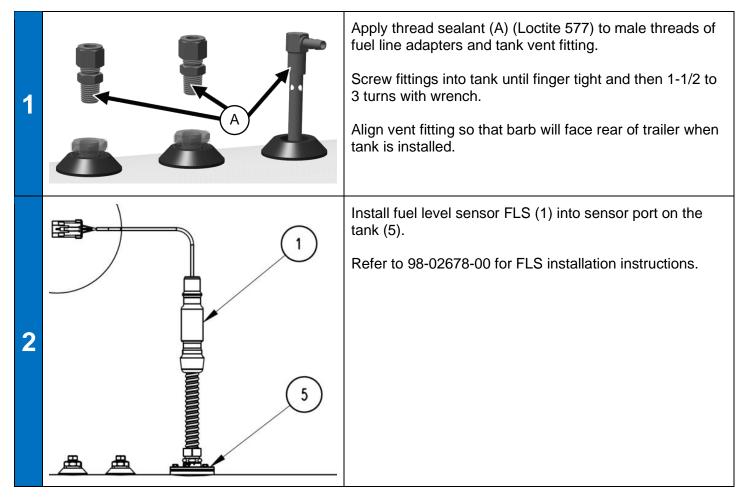
Stanation Require		
Component	Requirement	
	Must attach to three steel crossmembers.	
Fuel Tank Support Straps and Brackets Fuel Lines	Interface with three crossmembers for 12.00" center.	
	Structural steel channel required to span between crossmembers if 15.00" center.	
	Mylar spacer required between fuel tank hanger bracket and I-beam and between I-beam and backing plate.	
	Mylar washers required between nuts and bolts where they contact fuel tank hanger brackets and backing plates.	
	Routed through grommets when passing through holes in trailer	
	³ / ₄ " conduit may be used for fuel line routing in place of grommets	
	Separate supply and return lines from each other where possible	
	Route separately from fuel lines where possible	
	Apply pipe sealant to all pipe connections.	
	Cut fuel lines with fuel line cutter. Cuts must be perpindicular.	
	Supply/return lines 1.00" from bottom of tank.	
	Avoid sharp bends in the line or rubbing on the trailer frame or tank/brackets.	
Component	Requirement	
Threaded	Apply Loctite 577 to all male NPT threads.	
Fittings	Use backing wrench when tightening fittings.	
Fuel Pump Harness	Route separately from fuel lines where possible.	
	Secured every 12.00".	
	Avoid sharp edges, pinch points, and heat sources.	

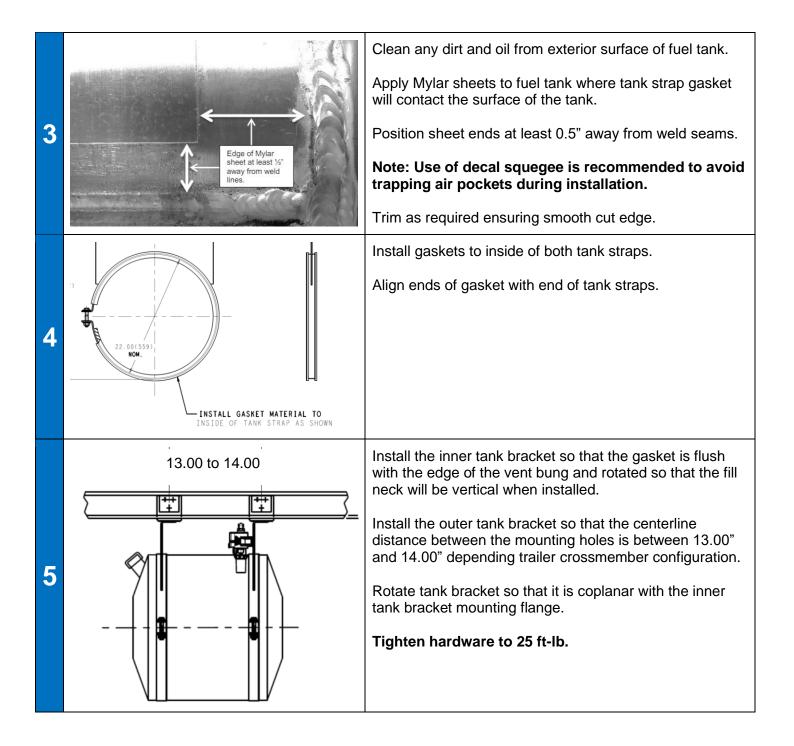




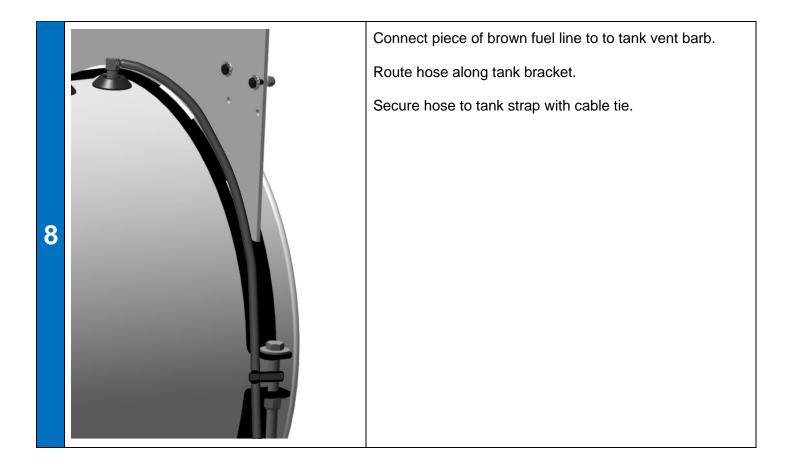


Tank Preparation and Strap Installation

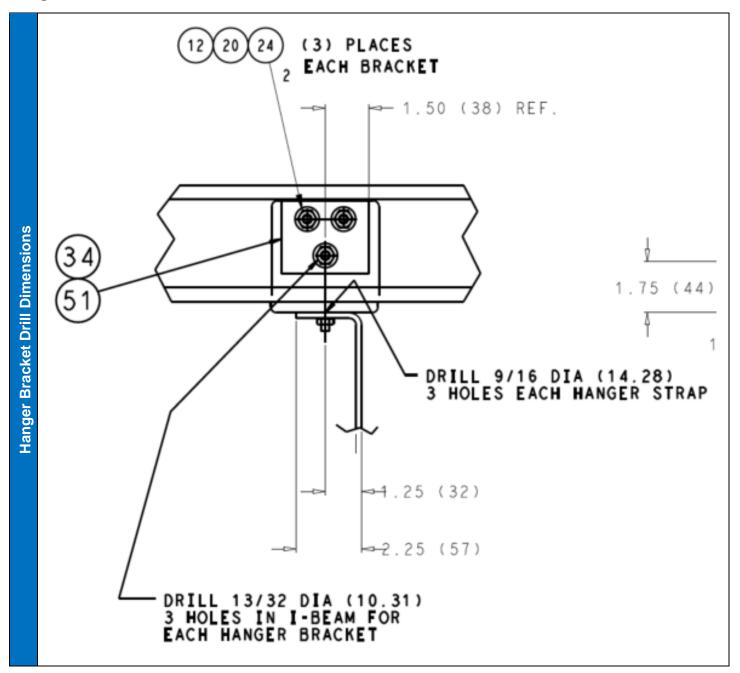


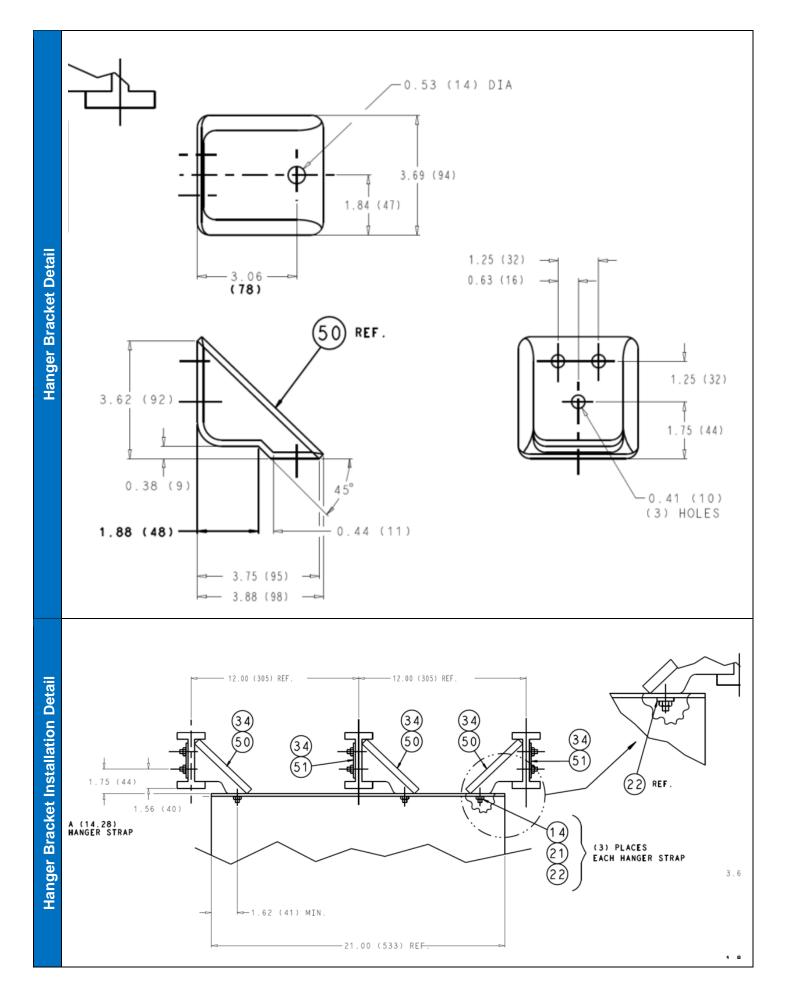


6	 Apply thread sealant (A) to threads of elbow fittings. Screw fittings into pump body until finger tight and then 1-1/2 to 3 turns with wrench. Note: Use backing wrench on pump body when tighetning fittings to avoid damage to pump. Do not overtighten fittings Align fittings so that final position is as shown.
7	 Secure electric lift pump to fuel tank bracket with hardware as shown. 1. Bolt 2. Star washer 3. Flat washer 4. Flat washer 5. Lock nut Note: Use top set of holes to secure pump to bracket. Pump will contact fuel tank if mounted to lower holes. Tighten hardware to 9 ft-lb.



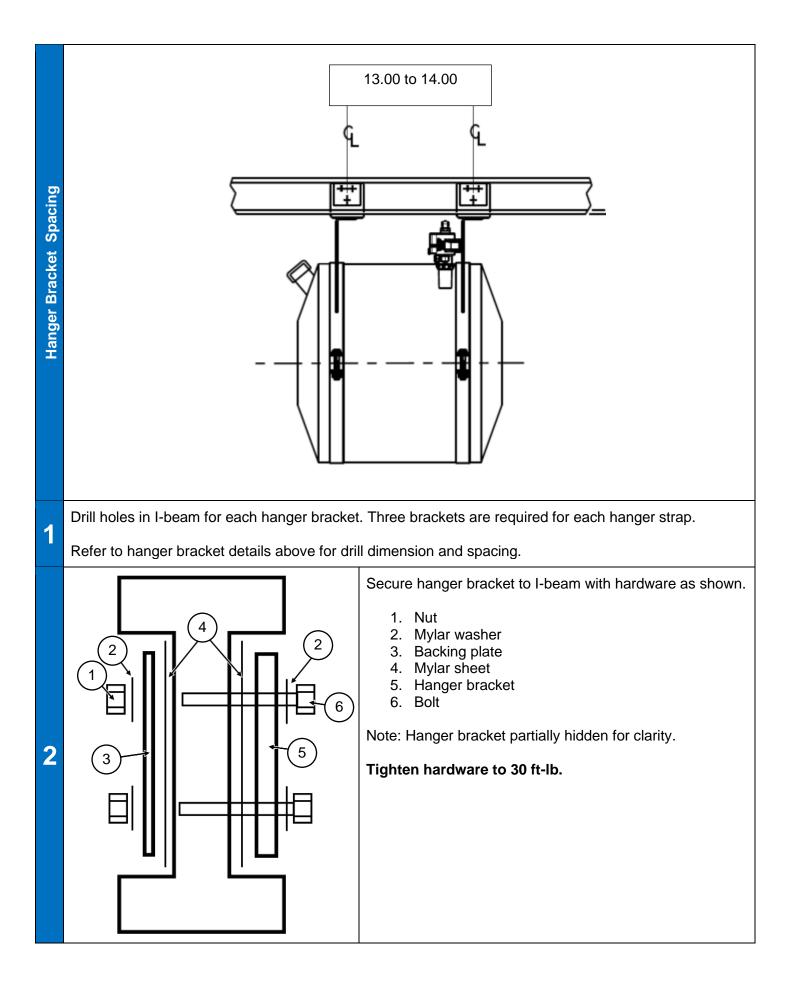
Hanger Bracket Installation

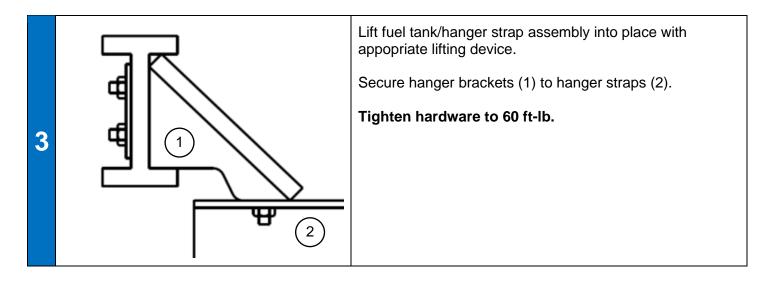




98-50483-00 REV C

7/16/2024





Fuel Line Installation

