

## INITIAL CALIBRATION, OPERATION, & MAINTENANCE

### Initial Calibration

- 1) Check to make sure that the pop-safety valve is working properly. See step #4 in the “MAINTENANCE” section for instructions.
- 2) Turn regulator off (zero pressure) by turning the knob all the way counter-clockwise.
- 3) Turn air supply ball valve to “ON” position.
- 4) Turn regulator knob clockwise, slowly increasing pressure to 5-8 PSI.
- 5) Turn oil dispense ball valve to “ON” position.
- 6) Once oil starts exiting plastic tube, the pressure can be adjusted until desired flow is achieved.
- 7) Recommended flow is 4-20 drops per minute. Actual desired rate can vary based on belt speed and personal preference.

### Standard Operation

- 1) **CAUTION: Do not exceed 15 PSI!**
- 2) Once initial calibration is complete, simply operate by turning the oil dispense ball valve to the “ON” or “OFF” position.
- 3) Standard operation pressure range is between 5-8 PSI. The operating pressure may need to be increased or decreased occasionally to maintain desired flow based on the viscosity of oil and speed of belt. Viscosity of oil may vary due to temperature.
- 4) Trinity Trailer recommends oiling the chain once daily for each day of operation.

### Filling the Reservoir

- 1) **CAUTION: Do not remove cap while system is pressurized!**
- 2) To fill reservoir, the Chain Oiler system must de-pressurized by following these instructions:
  - a) First, turn supply air ball valve to the “OFF” position.
  - b) Then, pull ring on the pop-safety valve to completely release pressure.
- 3) Only USDA H1 Food Grade oil should be used.
- 4) Temperature vs. Viscosity Table:

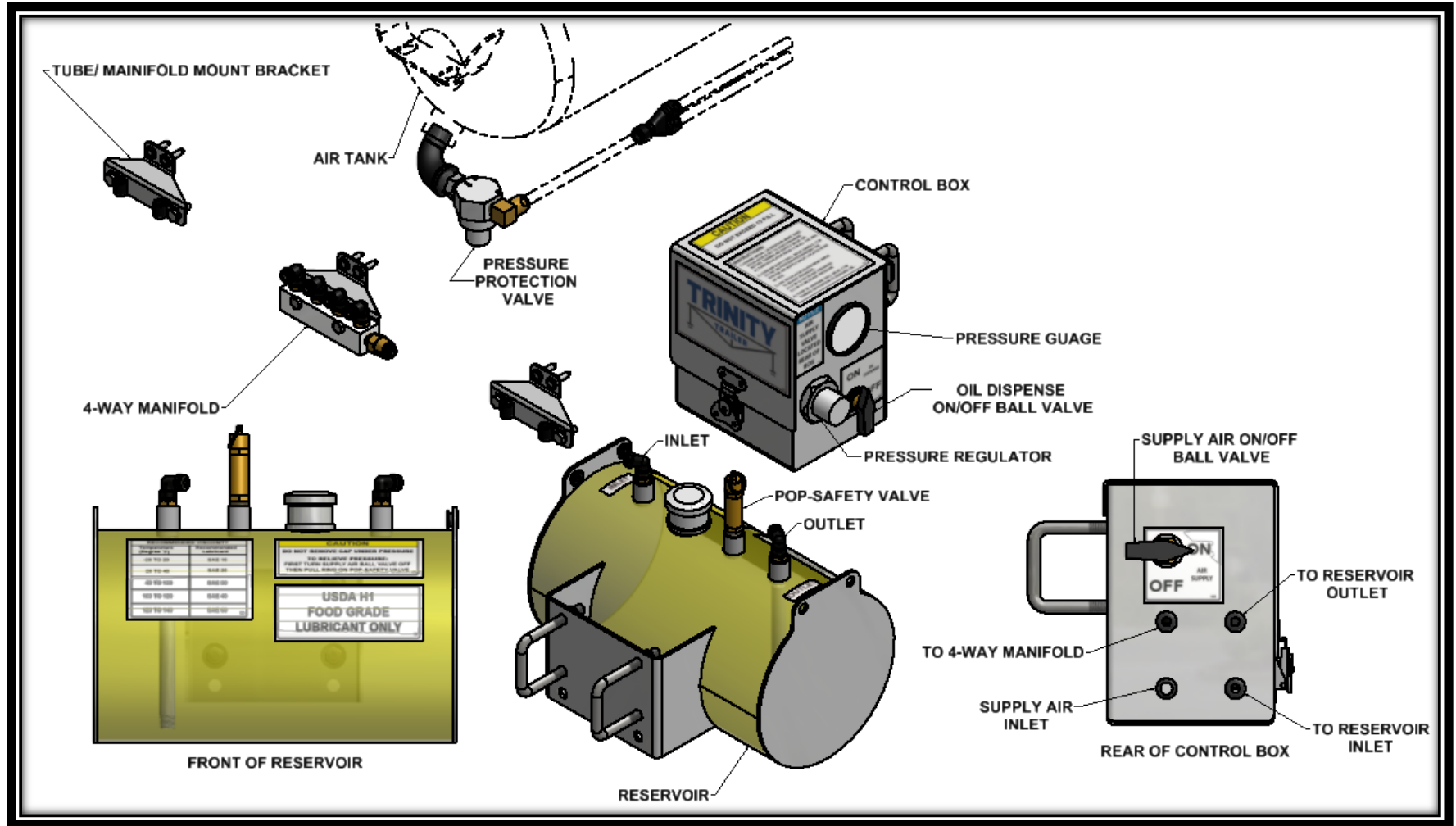
a)

Temperature (Degree °F)	Recommended Lubricant
-20 to 20	SAE 10
20 to 40	SAE 20
40 to 100	SAE 30
100 to 120	SAE 40
120 to 140	SAE 50

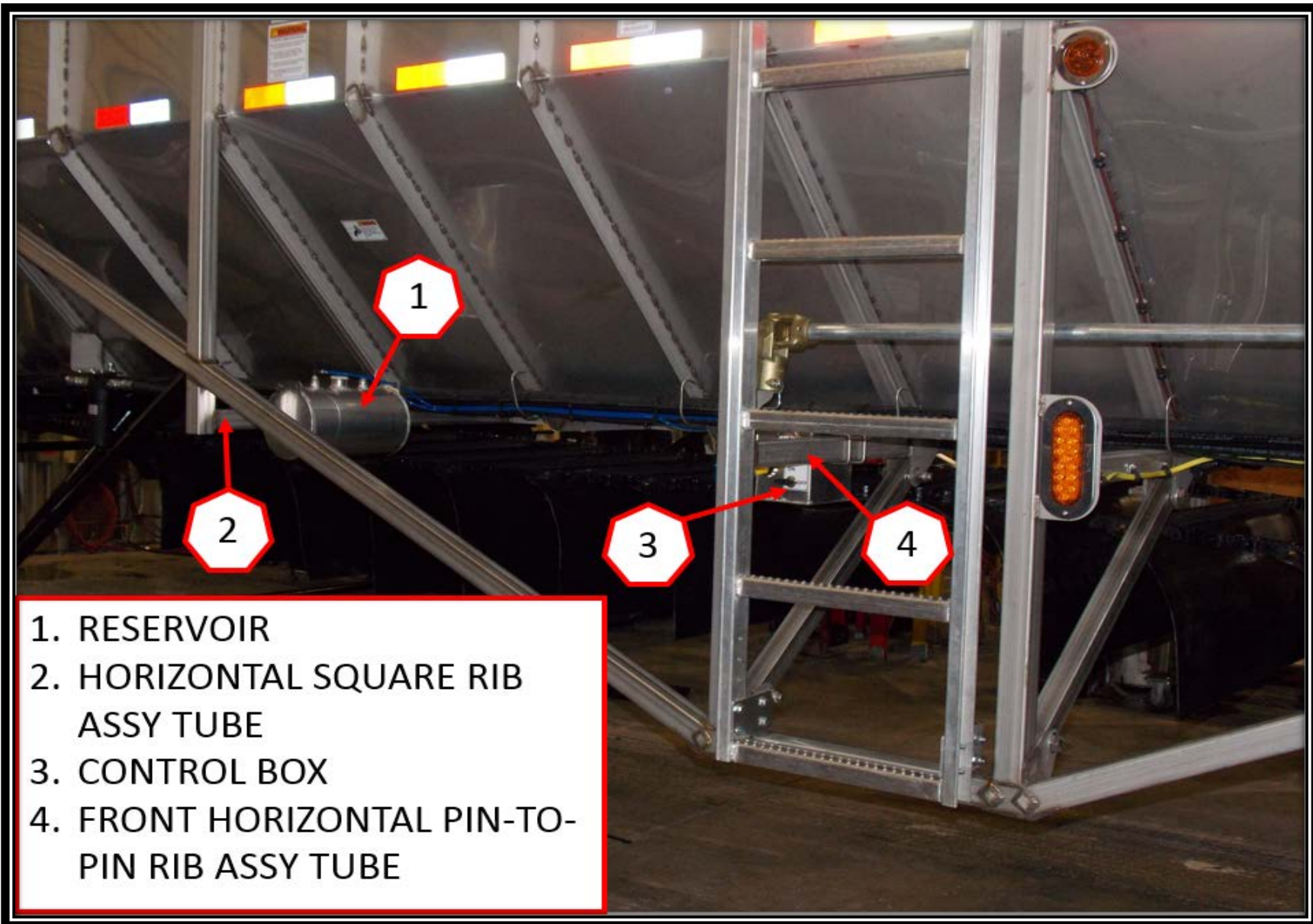
## Maintenance

- 1) Pressure may need to be adjusted as temperature changes. Temperature affects the viscosity of oil, which in turn, affects the flow rate of the oil.
- 2) Every 15,000 miles or three months (whichever comes first)
  - a) Check to make sure mounting hardware and fasteners are not loose. Tighten as necessary.
  - b) Check plastic tubing for wear and cracks. Replace as necessary.
  - c) Check that the pop-safety valve releases pressure properly at the set pressure of 15psi.
    - i) Make sure that the oil dispense ball valve is turned to the “OFF” position.
    - ii) Make sure that the air supply ball valve is turned to the “ON” position.
    - iii) Turn regulator knob clockwise, increasing the pressure to 15 PSI.
    - iv) At this point, the pop-safety valve should release air pressure.
    - v) If pop-safety valve works properly, turn regulator counter clockwise until pressure is between 5-8 PSI.
    - vi) If pop-safety valve does not work properly, replace.
      - (1) **CAUTION: Do not remove pop-safety valve while system is pressurized!**
      - (2) Before removing pop-safety valve, de-pressurize Chain Oiler system by following these instructions:
        - (a) First, turn supply air ball valve to the “OFF” position.
        - (b) Then, pull ring on the pop-safety valve to completely release pressure.

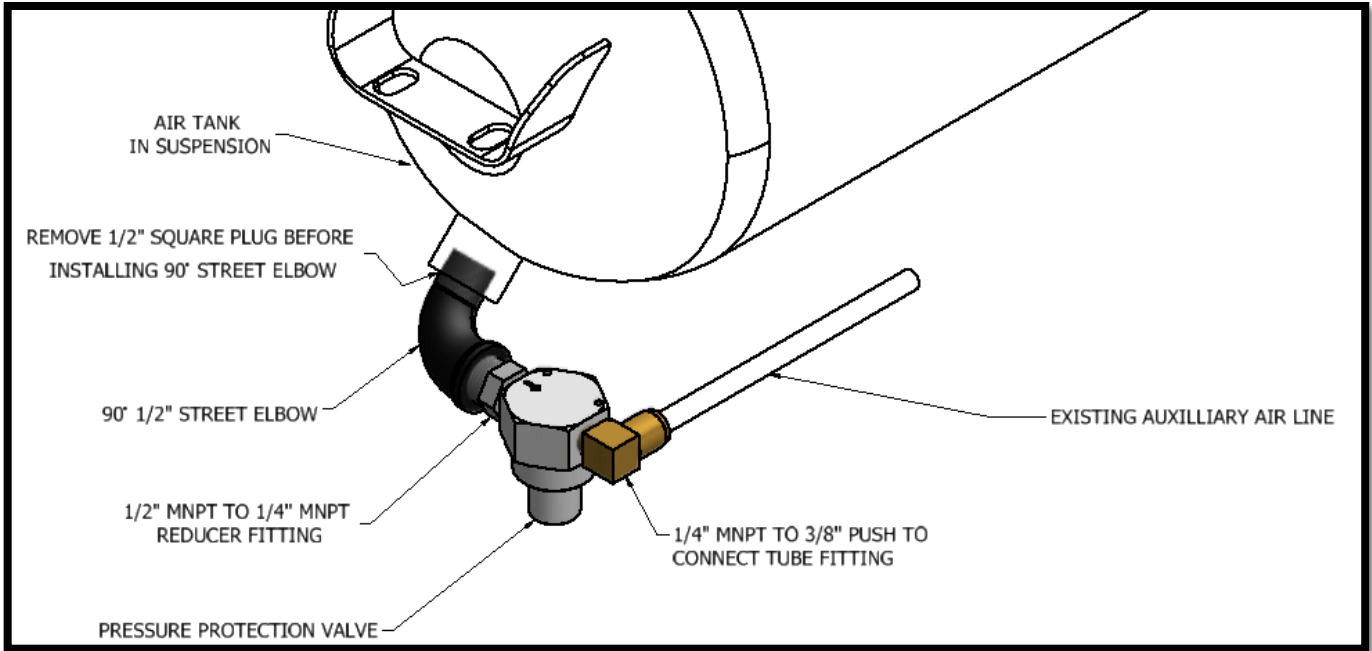
CHAIN OILER MANUAL  
**FIGURE 1**



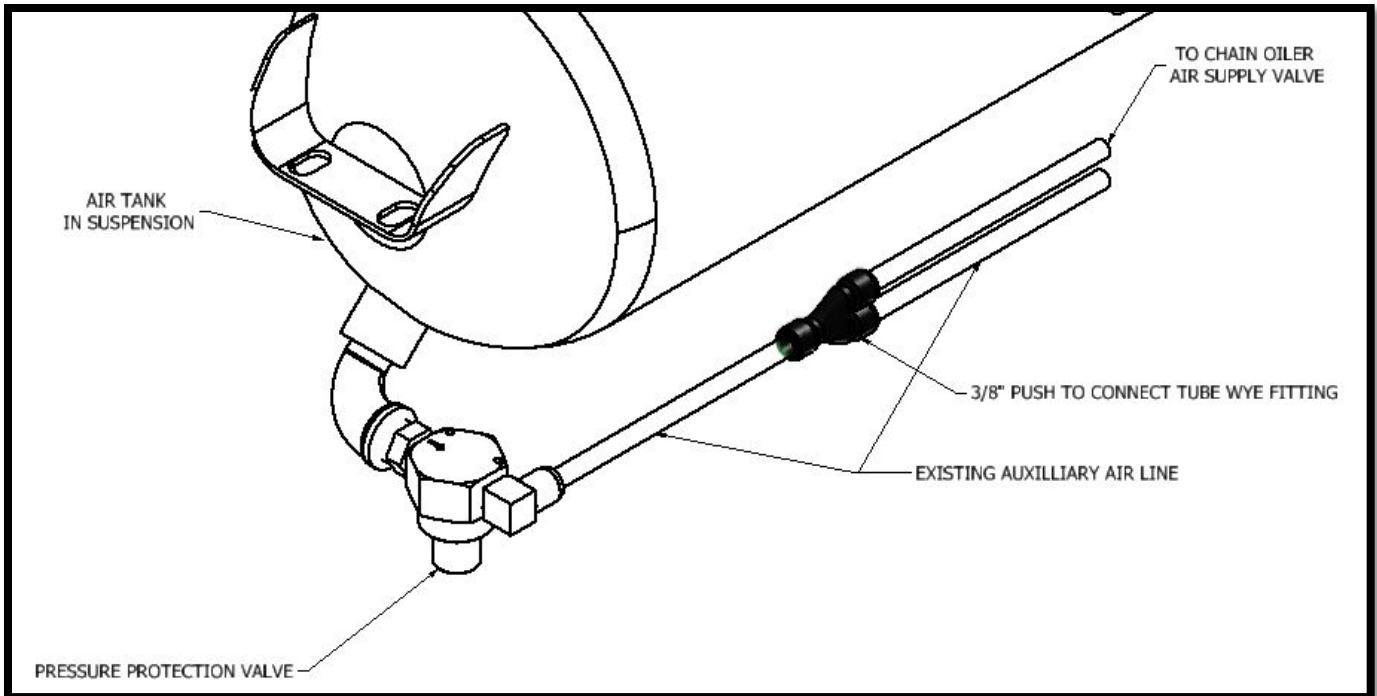
**FIGURE 2**



**FIGURE 3**



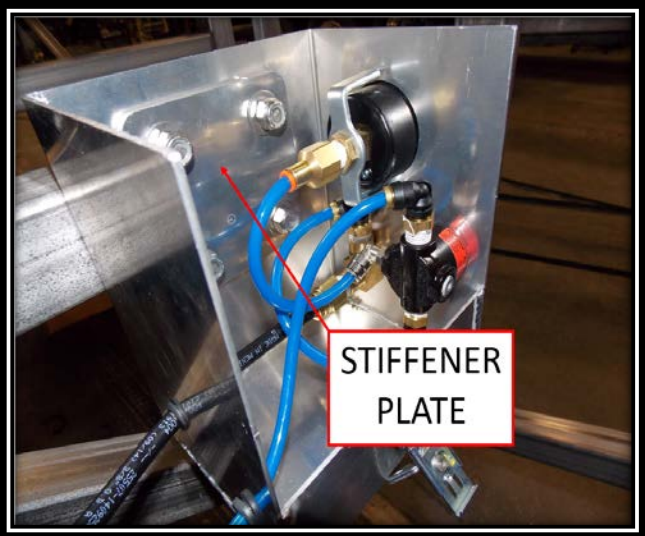
**FIGURE 4**



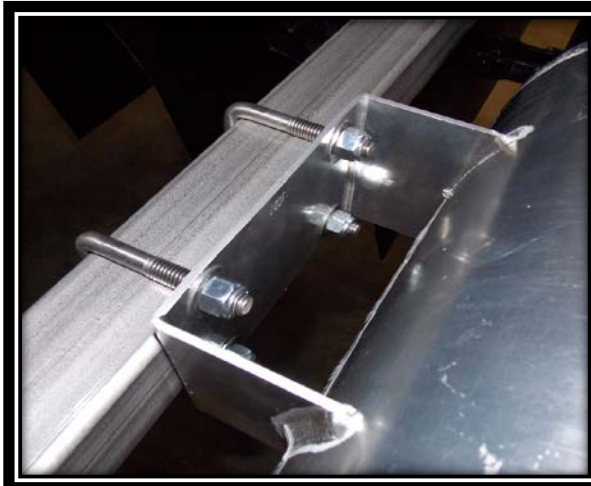




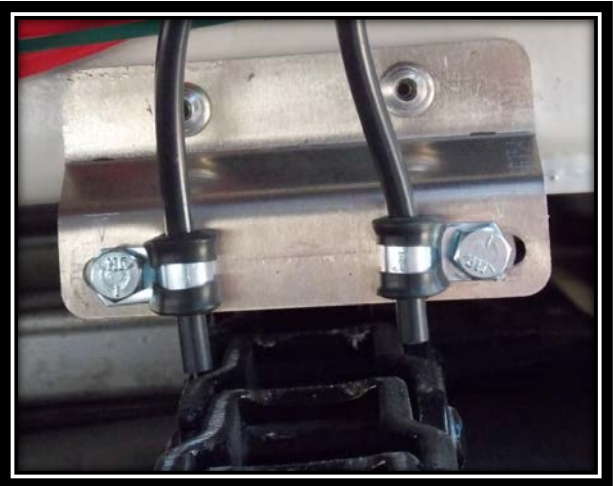
**FIGURE 5**



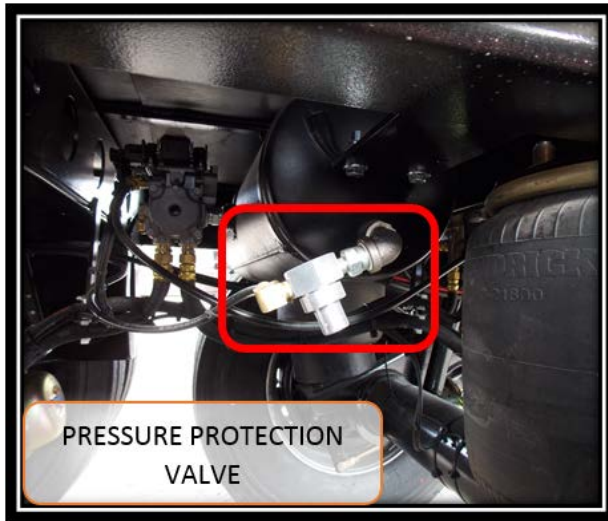
**FIGURE 6**



**FIGURE 7**



**FIGURE 8**



PRESSURE PROTECTION VALVE

FIGURE 9



FIGURE 10

FIGURE 11

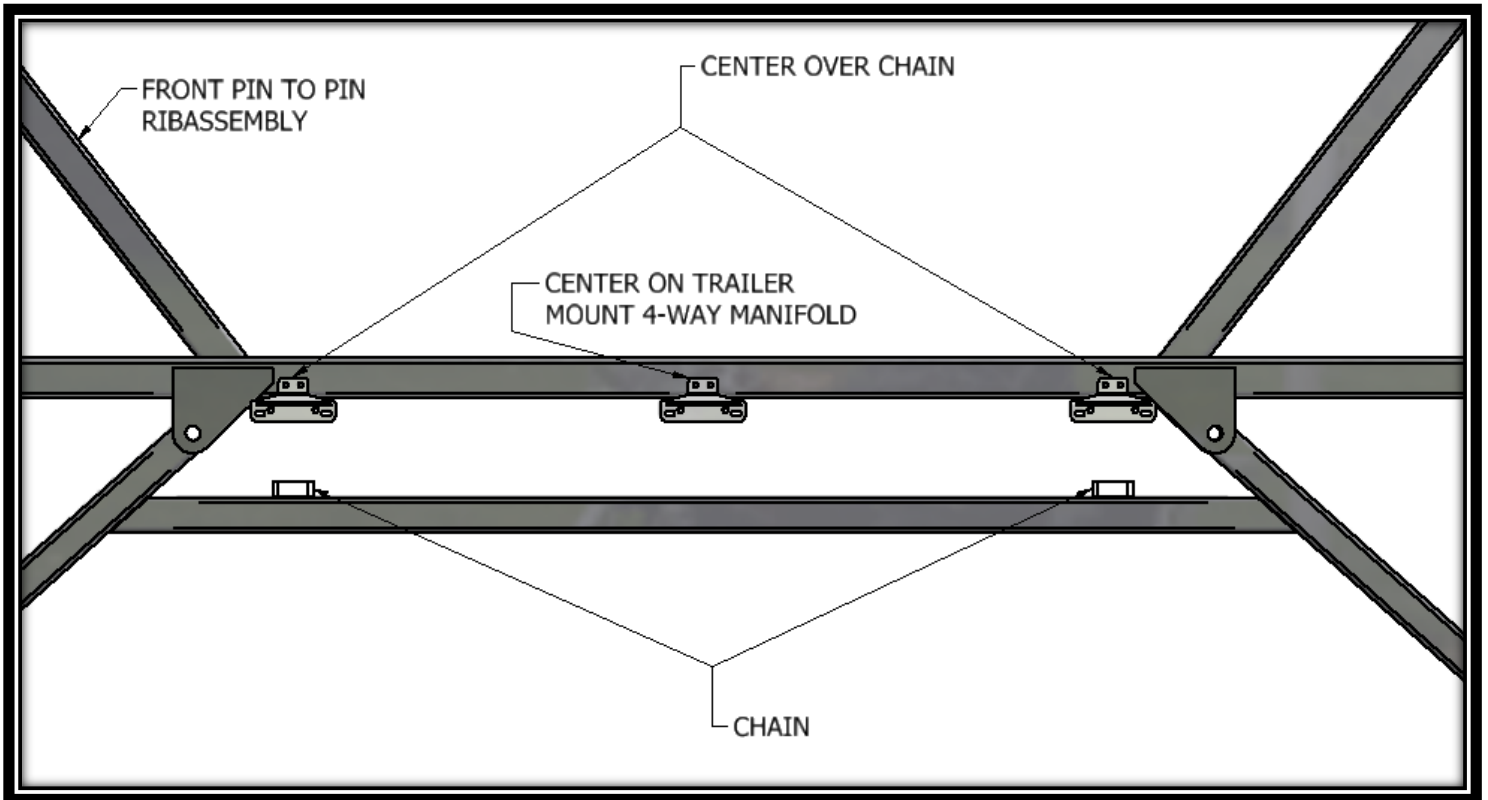


FIGURE 12

