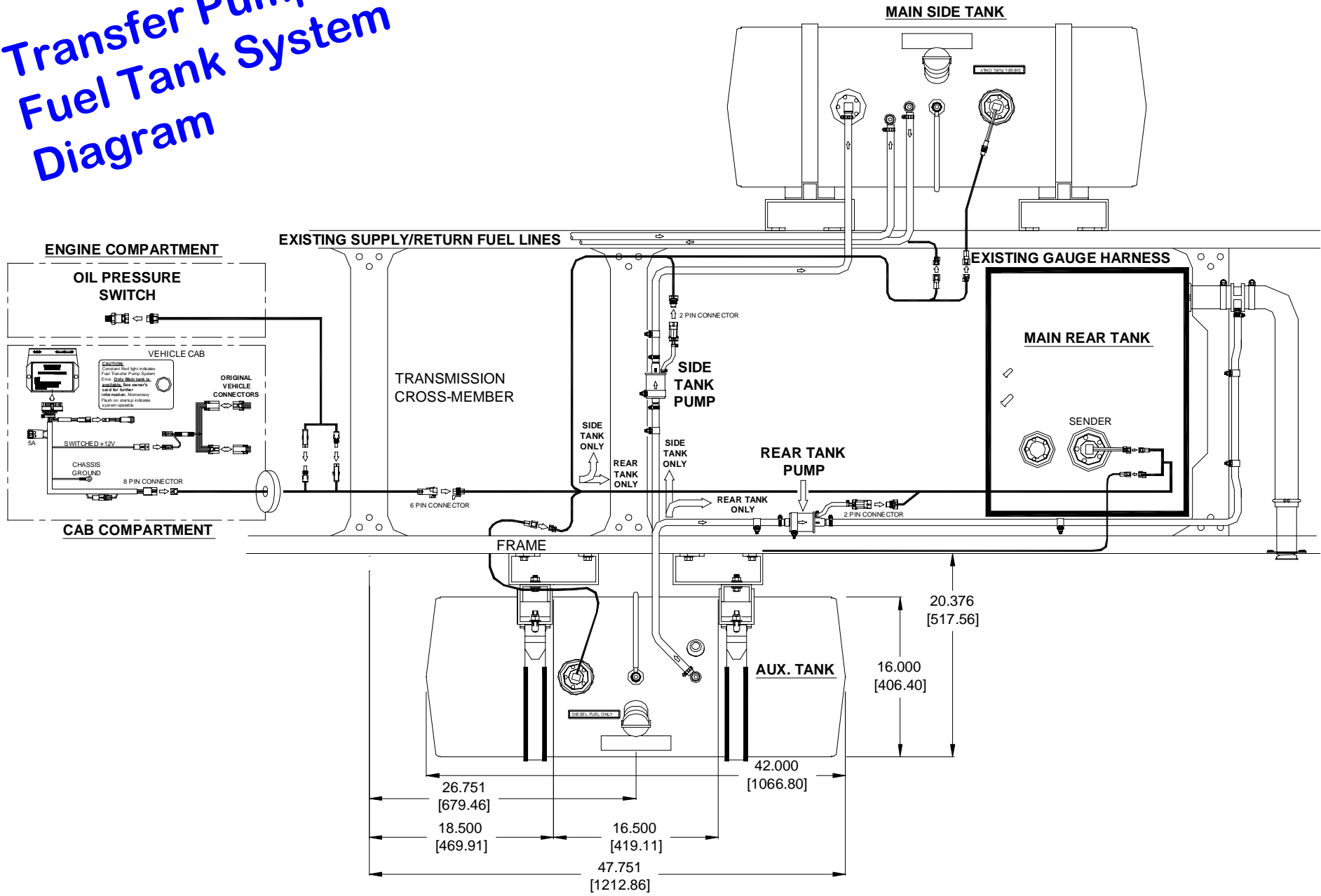


Transfer Pump Dual Fuel Tank System Diagram



TRANSFER PUMP DUAL FUEL TANK SYSTEM

Operating Features:

- Transfers fuel from auxiliary to main tank whenever level in main tank is 4% below auxiliary tank. Pump stops when level in main tank is 4% above auxiliary.
- Supply and return to and from engine from main tank only.
- Fuel gauge reads main tank, unchanged from original design - gauge is actually reading sum of two tanks.
- Transfer rate is 20 gallons per hour, pressure is 10 PSI max., and current draw is 2.3 amps.

Safety Features:

- System is not enabled until main sender moves after startup
- System includes LED Warning Light on dash to indicate malfunction.
- System performs self test on start up and will flash fault codes if fault exists.

Pump will not operate when:

- Engine is not running
- Level in main tank is 90% full
- Either fuel sender is not reading in correct range
- Either sender does not move for 5 minutes