

COUNTER BALANCE REMOVAL AND INSTALLATION GUIDE

SNYDER MODEL # 104-HP-2

SNYDER MODEL # 104-HP-1

- Shut off fuel supply by closing the butterfly valve. (#1)
- Drain fuel out of counter balance assembly. *Note*, on most models a ½” pipe plug is supplied on the inlet pipe. Remove pipe plug (#2) and drain in appropriate catch device (ie bucket, drum, etc.). This will only drain the counter balance and riser pipe. To drain the fuel out of the drop pipe and hose (#10) you must extend the fuel crane out into furthest downward position and place the nozzle (#9) over appropriate catch device (ie bucket, drum, etc.). Disconnect the nozzle to allow fuel in drop pipe to be drained. *Note squeezing the nozzle trigger will not drain fuel out of drop pipe.*
- With crane extended in the downward position, remove set bolt (#3) located in the safety tang. This will allow crane to extend into the furthest upright position.
- Using fork truck, drive forks in through the fuel crane (upper pipe work), with the forks extending through the fuel crane, (#4) above the two horizontal swivel joints and below the pipe work where the aluminum riser pipe bolts on.
- Fasten the aluminum riser pipe (#5) to the mast of the fork truck to prevent unwanted movement during transportation.
- Raise forks until minimal pressure starts to lift counter balance assembly.
- Remove the four 5/8” bolts on the bottom side of the base swivel joint. (#6)
- Slowly raise counter balance assembly to ensure drip pan (#7) clears pipe work.
- Once drip pan clears pipe work, lower counter balance assembly to the ground, using caution to prevent damage to the assembly.
- Disconnect the four 5/8” bolts where aluminum riser pipe connects to (steel) counter balance assembly (#8) and remove riser pipe. (#5)

TO REPLACE COUNTER BALANCE ASSEMBLY

- Replace all gaskets with new.
- Reverse procedure
- Once counter balance assembly is installed, the air must be purged out of crane. Turning pump system on, and then slowly opening the butterfly valve can do this. Once butterfly valve is fully opened, the nozzle must be slowly opened to allow air to escape.