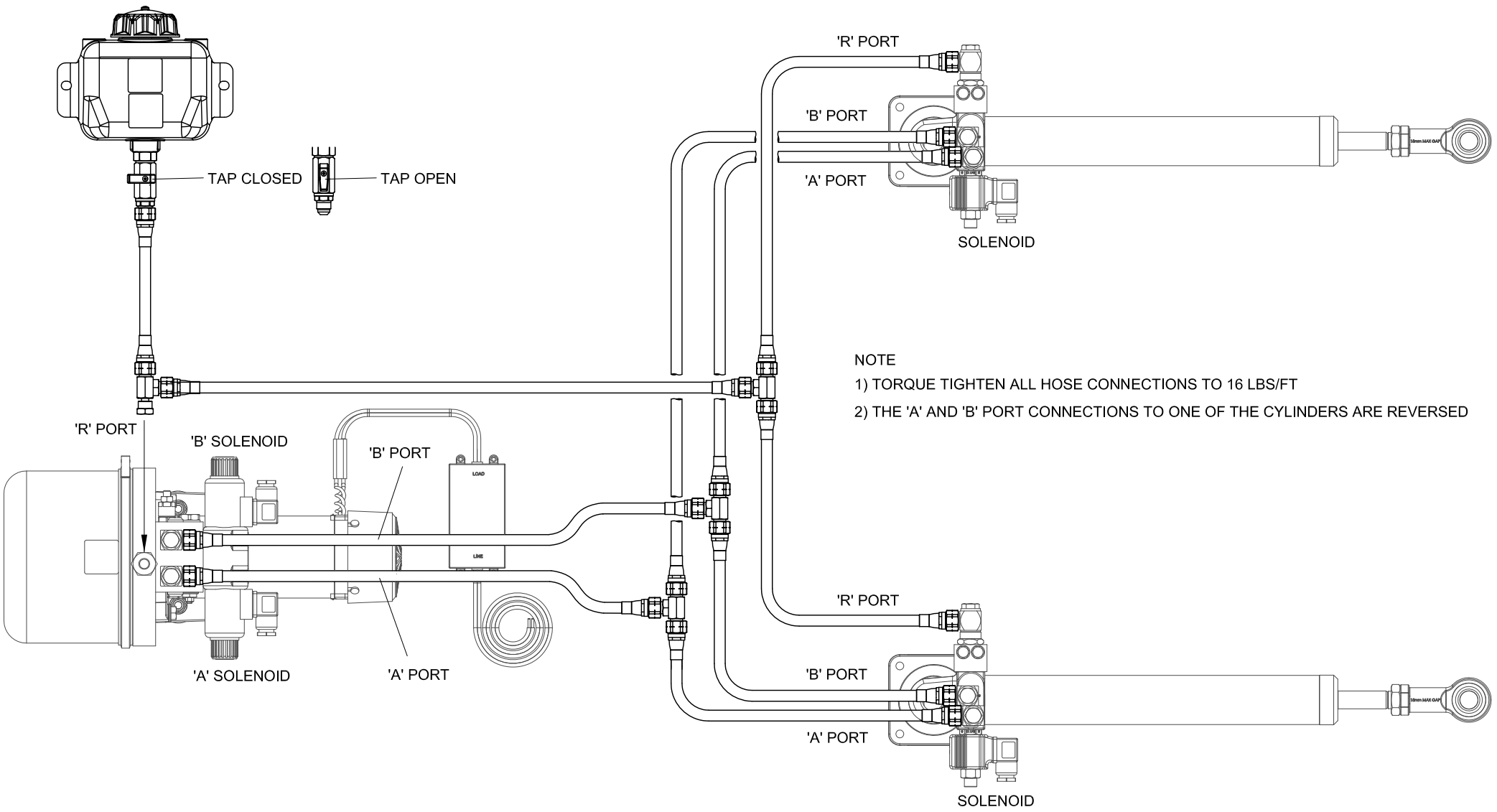
Hy-ProDrive
Marine Steering Technology
By Hydraulic Projects Ltd

R2580 - HOSE CONNECTIONS



NOTE

1) TORQUE TIGHTEN ALL HOSE CONNECTIONS TO 16 LBS/FT

2) THE 'A' AND 'B' PORT CONNECTIONS TO ONE OF THE CYLINDERS ARE REVERSED

Hy-ProDrive
Marine Steering Technology
By Hydraulic Projects Ltd

R2580 BLEEDING INSTRUCTIONS

Preparation

Ensure that the hydraulic oil to be used is of the correct type. - Refer installation guide or pump label.
Ensure that the oil and any storage containers are clean and free of contamination.
The plastic header reservoir needs to be mounted as far above the pump and cylinders as the pipe-work will allow.

Procedure

To allow easier filling of the pump unit, remove the reservoir fitting and fill the pump tank directly.
Fill to the lower edge of the port.

Push the cylinder piston rods in so that they are fully retracted.

Connect all hoses as shown and torque tighten to the figure shown.
- Do not fully tighten the two hoses that connect to the cylinder 'R' ports at this stage.

Turn the tap on the reservoir to the 'OPEN' position and fill with oil.
Slacken off, but do not disconnect, the two reservoir hoses from the cylinders.
Once oil emerges from the fittings torque tighten to the figure stated.
Run the pump and energise either of its solenoids in order to direct pump flow to the cylinder ports.

Working on one cylinder at a time - energise the cylinder solenoid and slowly pull the piston rod out until it is fully extended. Observe the oil level in the header and top up as necessary - Note that the oil level will rise when the rod is retracted and may overflow. Fully retract the rod, again observing the oil level in the header and topping up as needed. Repeat until no more air can be seen to be rising into the header and the pump takes over. De-energise the solenoid.

Repeat this operation on the second cylinder.

To complete the bleeding, energise both cylinder solenoids and run the pump. Energise either of the pump solenoids in turn to extend and retract the piston rods.
Note that the cylinders may need manually assisting at first to purge any remaining air in the system.

Top up the header reservoir if neccessary.