

STEERING PRESSURE TEST

IDENTIFYING LOCATION FOR CHECKING **STEERING PRESSURE** AND ADJUSTING IF NEEDED

The location for checking the steering pressure and adjusting if needed is at the Steering Block test port, Ref. Fig. 1. Access to the steering block test port is from the front of the trowel below the platform, under foot peddle. **Note:** A charge pressure test must be done prior performing a steering pressure test and is done at the steering block as well.

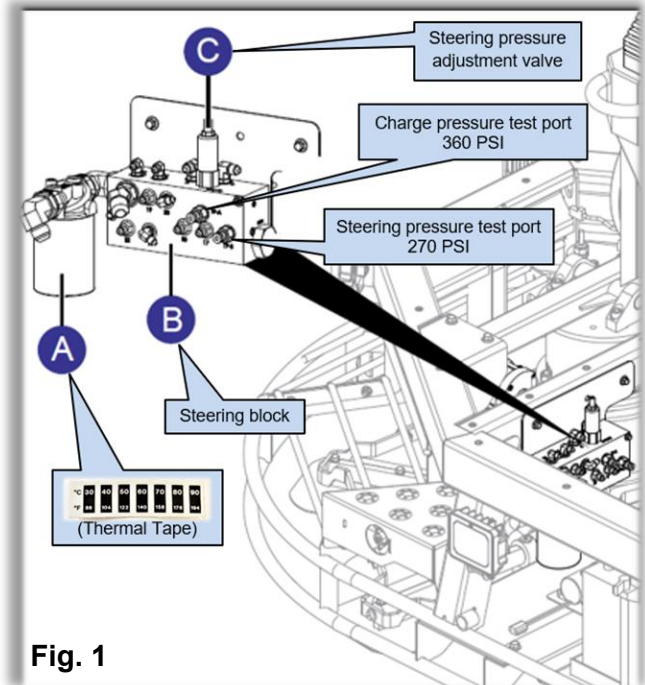


Fig. 1

Steering pressure may be adjusted to provide the operator with a faster or slower steering response. A higher pressure would provide a faster steering response and a lower pressure would result in slower steering response. To access the steering pressure adjustment valve, the platform will need to be removed.

CHECKING THE STEERING PRESSURE

1. **Perform a Charge Pressure test, Ref. Page 2 for instructions.**
2. Trowel switched off; use a Parker PD242 (MQ part #PD242) diagnostic test port coupler to connect to the steering block's steering pressure test port with a 300~600 PSI pressure test gauge, Ref. Fig. 1.
3. Verify the hydraulic fluid level is correct
4. Start the engine; allow the hydraulic system to warm up to 140°F. **Note:** MQ PN#45531 DECAL TEMP IND 86FTO 194F (Thermal Tape) is installed on the original hydraulic filter from factory, Ref. Fig. 1.
5. Move the throttle switch to FULL engine RPM (3600~3650)
6. Observe the pressure test gauge and record the reading.
7. Standard factory pressure setting is 270 PSI

NOTE: Steering Pressure must NEVER exceed 360 PSI or go below 125 PSI or SYSTEM DAMAGE MAY OCCUR

IDENTIFYING LOCATION FOR CHECKING **CHARGE PRESSURE** AND ADJUSTING IF NEEDED

The location for checking the charge pressure is at the Steering Block charge pressure test port, Ref. Fig. 1. Access to the steering block diagnostic port is from the front of the trowel below the platform, under foot peddle.

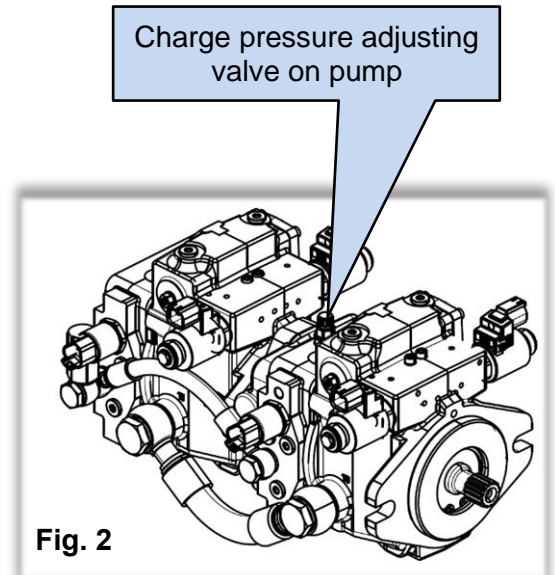
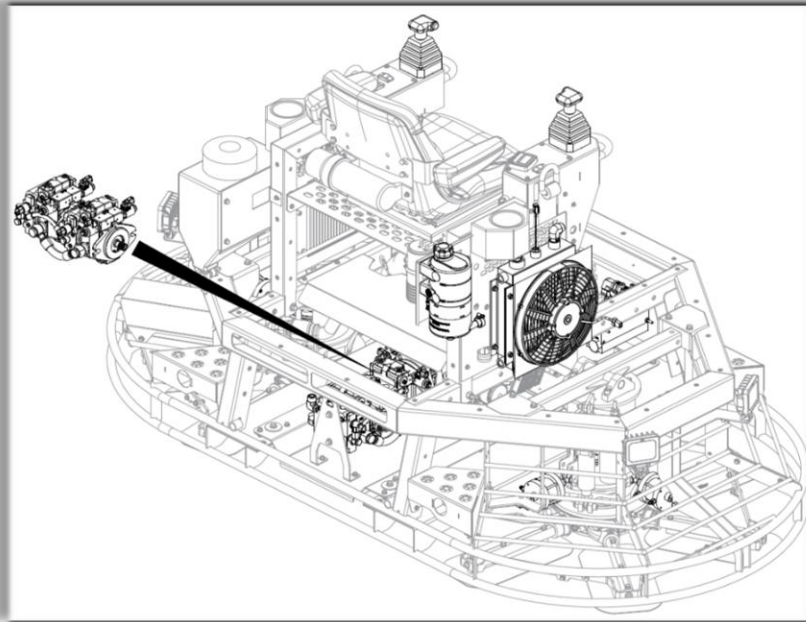


Fig. 2

CHECKING THE CHARGE PRESSURE

1. Trowel switched off; use a Parker PD242 (MQ part #PD242) diagnostic test port coupler to connect to the steering block's upper charge pressure test port with a 300~600 PSI pressure test gauge.
2. Verify the hydraulic fluid level is correct
3. Start the engine; allow the hydraulic system to warm up to 140°F. **Note:** MQ PN#45531 DECAL TEMP IND 86FTO 194F (Thermal Tape) is installed on the original hydraulic filter from factory, Ref. Fig. 1.
4. Move the throttle switch to FULL engine RPM (3600~3650)
5. Observe the pressure test gauge and record the reading.
6. Standard factory pressure setting is 360 PSI

TO ADJUST THE CHARGE PRESSURE

1. Remove the rear platform and protective cap on charge pressure adjusting valve located on the pump, adjust accordingly Ref. Fig. 2.

NOTE: Charge Pressure factory setting is 360 PSI +/- 10psi.