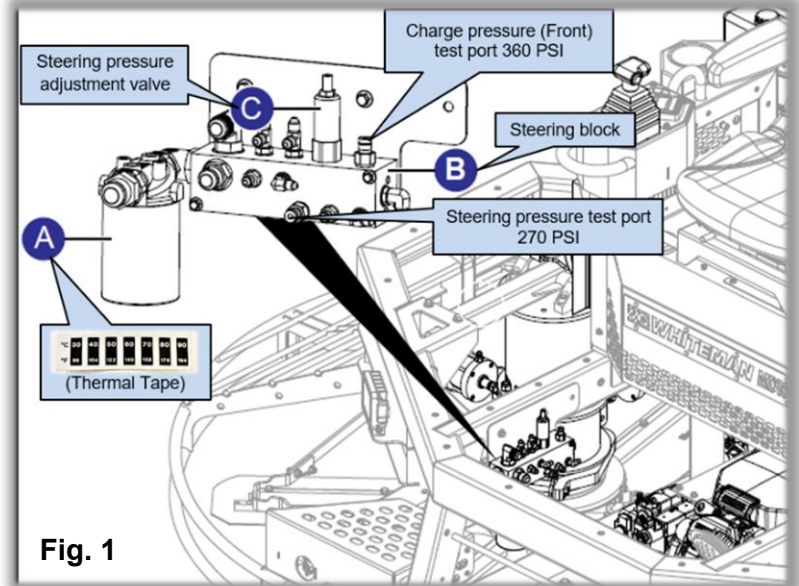
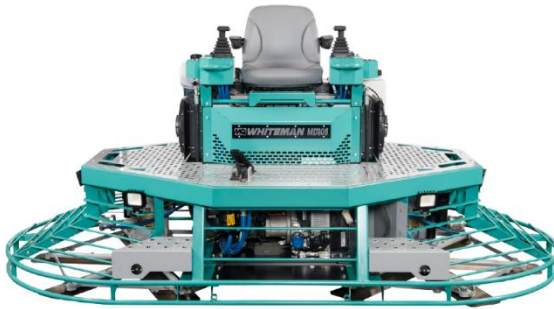


## STEERING PRESSURE TEST

### 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 diagnostic 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.



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

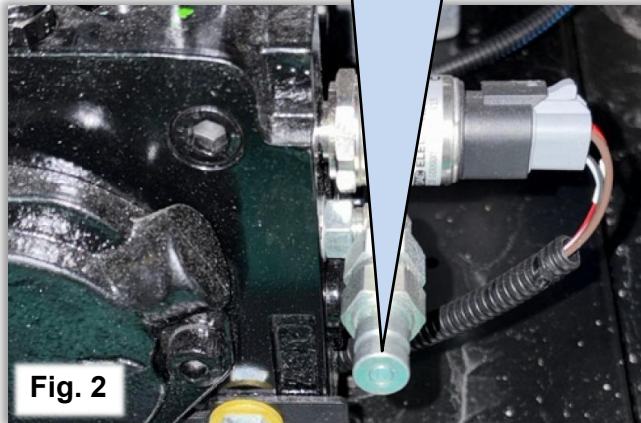
**NOTE: Steering Pressure must NEVER exceed 360 PSI or go below 125 PSI or SYSTEM DAMAGE MAY OCCUR**

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

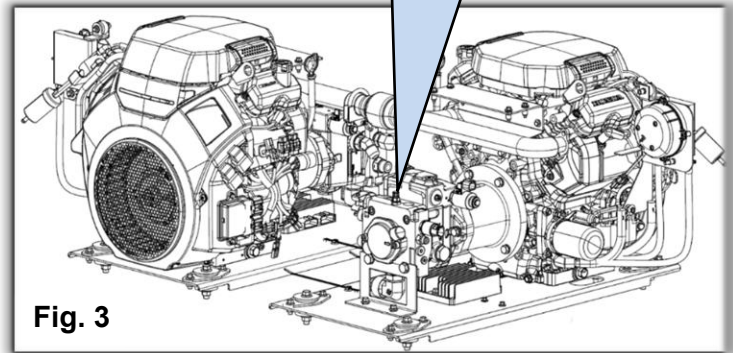
There are two locations for checking the charge pressure. The (FRONT ENGINE/PUMP) is at the Steering Block charge pressure upper test port, Ref. Fig. 1. For the (REAR ENGINE/PUMP) test port is located on the pump, Ref. Fig. 2.

To test the (FRONT ENGINE/PUMP) Access the steering block diagnostic port from the front of the trowel below the platform, under foot peddle. To test the (REAR ENGINE/PUMP) test port is located on the pump. Use a Parker PD242 (MQ part #PD242) diagnostic test port coupler to connect to the steering block with a 300~600 PSI pressure test gauge to the charge pressure test port.

Charge pressure (Rear)  
test port 360 PSI



Charge pressure adjusting  
valve on each pump

**CHECKING THE CHARGE PRESSURE**

1. Trowel switched off; connect pressure test gauge to the steering block's charge pressure upper test port.
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 front and rear platform and protective cap on charge pressure adjusting valve located on (FRONT AND REAR ENGINE/PUMP), adjust accordingly, Ref. Fig. 3.

**NOTE: Charge Pressure check or set to 360 PSI +/- 10psi.**