



INBOARD AND STERN DRIVE OIL PRESSURE SYSTEM

1. To test the gauge, voltage from "I" to "G" terminal must be 10 - 16 VDC. With no wire on "S" terminal, gauge pointer should rest below the 0 psi mark. Next, connect the "S" terminal to the "G" terminal (leave "I" and "G" terminals connected). The gauge pointer should rest above the maximum pressure mark. If the pointer swings back and forth the gauge is OK.
2. The resistance of the sender can be measured to determine the sender's correct operation. Remove wire to gauge. Connect an ohmmeter to terminal of sender and to engine block. Approximate values are: Zero pressure = 240 ohms, 1/2 gauge reading = 103 ohms, full gauge pressure = 33 ohms. You will get half these values on a dual gauge sender.
3. If sender is shorted (0 ohms), gauge will read above full gauge pressure reading.
4. If the sender has an infinite resistance (open circuit), gauge will read below 0 psi.
5. If gauge reads lower than expected, was sealer used on the sender threads (see picture)?
6. The accuracy of the system (gauge & sender) can be +/- 5 psi at 40 or 50 psi.
7. Pipe extenders to plumb both a sender and pressure switch (for horn or warning light) from one port is not recommended. While pressure readings will be accurate, the amount of weight extended on the fitting of a vibrating engine could cause fatigue breakage.
8. Teleflex does not offer senders for metric threaded ports.
9. Dual station installations: When replacing one gauge in a two station installation, the second gauge may need to be replaced as well. Mixing two gauge manufacturers to one sender may cause an error in both gauges. If one gauge fails, the second gauge will read much higher than expected. If the sender fails "open", both gauges will read below the 0 mark. If the sender fails "short", both gauges will read above the full pressure mark.
10. Twin engines - it may be helpful in troubleshooting to switch either the senders or the gauges from engine to engine.
11. Every Teleflex Marine gauge can be identified by the part number printed on the side of the housing. Please reference this part number when contacting technical service or replacing the original gauge.