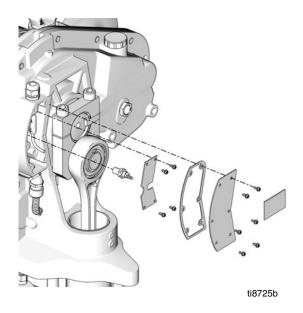


15H877 TDC Sensor Replacement Kit

311601C ENG

To replace TDC Sensor on E-Flo® 4-Ball Piston Pumps. For professional use only.





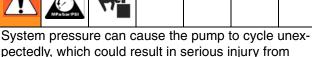
Pressure Relief Procedure





splashing or moving parts.





- 1. Set START/STOP switch to STOP.
- Push in SECURE DISABLE switch.
- 3. Open the back pressure regulator and all fluid drain valves in the system, having a waste container ready to catch drainage. Leave open until you are ready to pressurize system again.
- 4. Check that pressure gauges on fluid supply and return lines read zero. If gauges do not read zero, determine cause and carefully relieve pressure by VERY SLOWLY loosening a fitting. Clear obstruction before pressurizing system again.

Kit Parts



NOTE: TDC Sensor Kit 15H877 includes the following parts to replace the TDC sensor. Parts included in the kit are marked with an asterisk, for example (12*). Use all the new parts in the kit.

Ref.

No.	Part No.	Description	Qty
12*	116719	SCREW, 8-32 hex washer head	12
25b*	n/a	TDC SENSOR	1
33*	n/a	GASKET, circuit board	1

Parts designated n/a are not available separately.

Kit Installation



- 1. Jog the motor to bring the stand side lower to the bottom of its stroke.
- 2. Relieve pressure, page 2.
- Shut off electrical power to the unit.
- Remove two screws (12) and the cover (32).
- See Fig. 1. Remove six screws (12), the circuit board cover (34), and the gasket (33).
- 6. Disconnect the transducer cable (25a) from J1 on the circuit board (25c).
- 7. Disconnect the TDC cable (25b) from J2 on the circuit board (25c).
- 8. Disconnect the IS circuit field wire from J2 and J3. See the Electrical Schematic in the E-Flo Repair-Parts manual 311594.
- 9. Remove four screws (12) and the circuit board
- 10. Unscrew the TDC sensor (25b) from the gear hous-

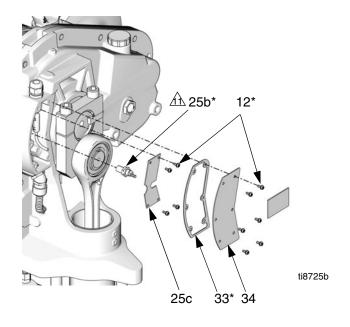
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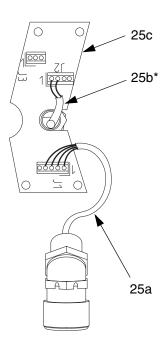
11. Apply pipe sealant and screw the TDC sensor (25b*) into the gear housing. Torque to 66-78 in-lb (7.4-8.8 N•m).

NOTE: TDC sensor nuts are locked in place to ensure correct positioning. Do not adjust.

- 12. Install the circuit board (25c) using four screws (12*).
- 13. Reconnect the TDC cable (25b*) to J2 on the circuit board (25c).
- Torque to 66-78 in-lb (7.4-8.8 N•m).

- 14. Reconnect the transducer cable (25a) to J1 on the circuit board (25c).
- 15. Reconnect the IS circuit field wire to J2 and J3. See the Electrical Schematic in the E-Flo Repair-Parts manual 311594.
- 16. Install the new gasket (33*), the circuit board cover (34), and six screws (12*).
- 17. Reinstall the cover (32) with two screws (12*).





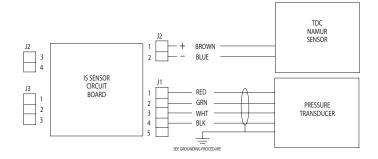


Fig. 1. TDC Sensor Kit

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Original instructions. This manual contains English. MM 311601

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