Service Manual

Fastrac 8280 and 8310

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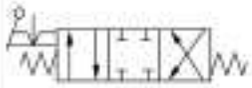
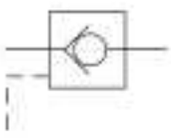
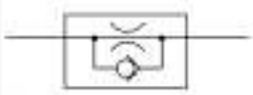
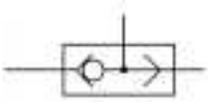
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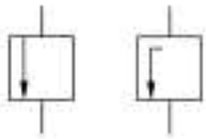
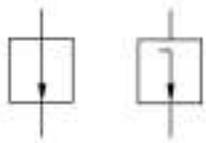
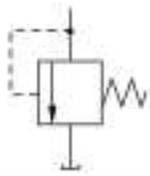
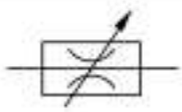
Blue Slice

W0000	Valve block CanBus Communication fault - Blue Slice
W0001	Valve block CanBus Communication fault Blue Slice
W0002	Implausible CanBus Data Received Message - Blue Slice
W0003	Implausible CanBus Data Received Message - Blue Slice
W0004	Potentiometer / PWM Fault - Blue Slice
W0005	EEPROM Inconsistent - Blue Slice
W0006	No faults but valve has switched off for >4 seconds - Blue Slice
W0007	Valve Slice Supply Voltage < 11 volts: Blue Slice
W0008	Valve Slice Supply Voltage > 16 volts - Blue Slice
W0009	Spool Movement Too short - Blue Slice
W0010	Excessive Internal Spool Movement - Blue Slice
W0011	Internal Spool Float Position Not Reached - Blue Slice
W0012	Spool Valve Operated Manually - Blue Slice
W0013	Supply Voltage < 8 Volts - Blue Slice
W0014	Supply > 36 but < 45 volts - Blue Slice
W0015	High Over Voltage Supply > 45 volts - Blue Slice
W0016	Output Stage Fault - Blue Slice
W0017	Valve block internal Position transducer fault Blue Slice
W0018	Spool Valve Cannot return To The Neutral Position Blue Slice
W0019	Spool Not In Neutral When Powered Up Blue Slice
W0020	Program Memory Error Blue Slice
W0021	Spool valve Off Line: Blue Slice
W0050	Main lever electrical input too low Blue slice
W0051	Main lever electrical input too high Blue slice
W0054	Flow or duration control driver open circuit. - Blue slice
W0055	Flow or duration control too low. Blue slice
W0056	Flow or duration control too high. Blue slice
W0070	Implausible main control lever position Blue Slice
W0071	Spool valve very high temperature Blue Slice
W0100	Blue Slice Spool Lever: Signal Plausibility Fault
W0101	Blue Slice Spool Lever: Signal Fault
W0102	Blue Slice Spool Lever: Signal Fault
W0124	Blue Slice Controls message from ACE not received by ECU1
W0201	Spool movement too short Blue Slice
W0203	Spool valve very high temperature Blue Slice

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Table 4. Control Valves

	Used to enclose several valves indicating they are supplied as one unit
	3-Position, 4-port spring centered pilot operated valve
	3-position, 6-port spring centered pilot operated valve
	3-Position, 4-port spring centered solenoid & pilot pressure operated valve
	3-Position, 4-port spring centered detent hand operated valve
	Non-return valve
	Non-return valve with back pressure spring
	Pilot operated non-return valve
	One way restrictor
	High pressure selector (shuttle valve)

	Throttling orifice - normally closed
	Throttling orifice - normally open
	Relief valve
	Variable restrictor

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GPS Ready Machines

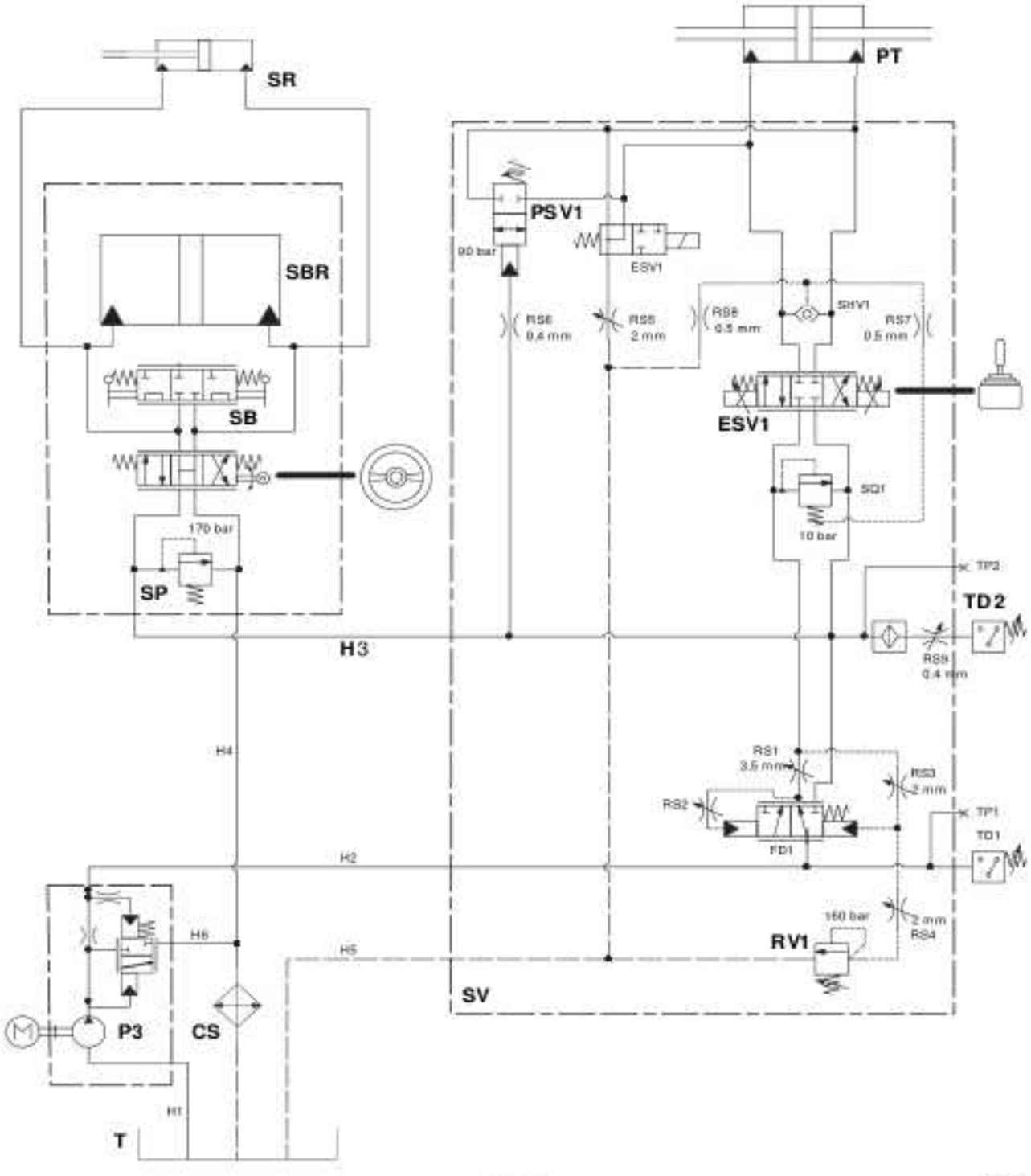


Fig 9.

⇨ *Table 3. Component Key (🗋 H-13)*

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2 Switch the Ignition `On'.

3 As the first instrument panel buzzer has finished sounding, engage the transport lock **T**.

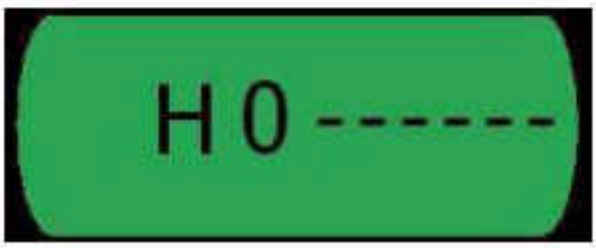
4 Before the second instrument panel buzzer has finished sounding, slowly cycle the green spool lever **1** from its central neutral position to extend **V**, then to retract **W**, and back to neutral **N**. ⇨ *Fig 20. (E-23)*

The instrument panel will display a code and begin to count down from 25 seconds.

Valve Slices Currently Configured

Upon accessing Configuration Mode the spool valve slices which are connected and configured will be displayed on the instrument panel. Slices configured are identified by the prefix `H'.

Some examples of valve slice configuration that may be seen on the instrument panel are as follows:



C871780

Fig 21. One or more slices connected but none yet configured. (`0' indicates Bosch state)



C871740

Fig 22. All six slices connected and configured correctly.



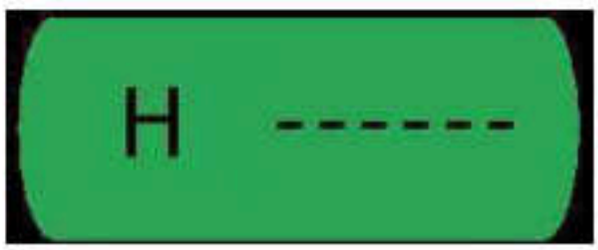
C871800

Fig 23. A Bosch default slice is connected (`0') and can be configured as either slice 2 or 5. Slices have been connected and configured to positions 1, 3. 4 and 6.



C871760

Fig 24. Slices 1, 2, 3, 4 and 6 (front hitch) configured. Slice 5 either not fitted or not connected.



C871750

Fig 25. Either: No slices connected, CAN2 wiring or supply fuse fault or non-compatible slice connected. Slices each need returning to Bosch state first using the following method:

Configuring `Bosch' Slices

The object of this procedure is to make sure that each valve slice is correctly identified to its proper position number on the Fastrac. ⇨ *Table 13. (E-23)* When configured, each valve slice will store this identity even if it is unplugged.

To wipe the slice memory it must be restored to Bosch state, ⇨ *Returning Configured Slices to Bosch State (E-27)*

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Rear PTO Gearbox

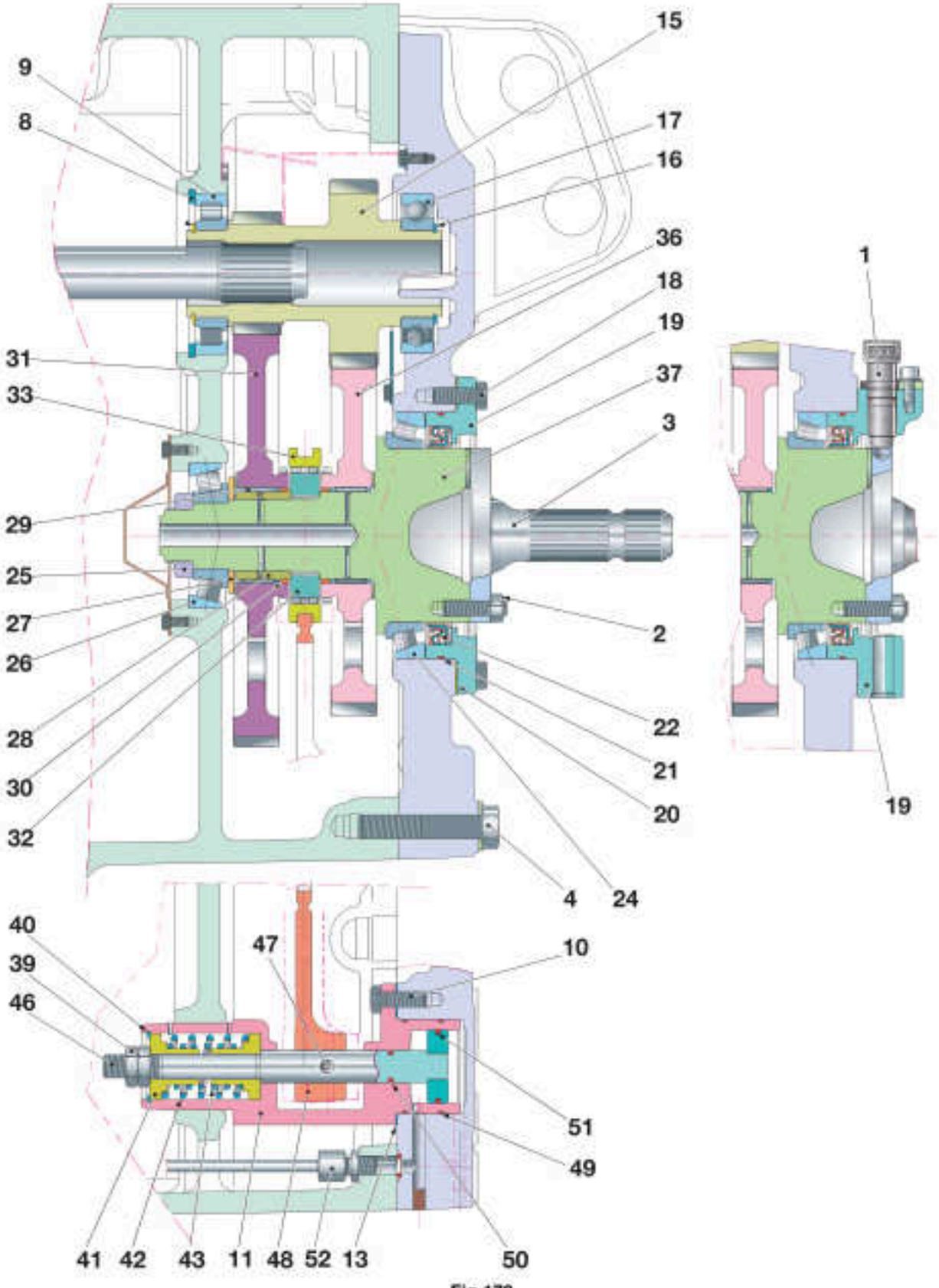


Fig 179.

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