Service Manual

8061

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Publication No.

9813/1750-1



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Technical Data

Static Dimensions

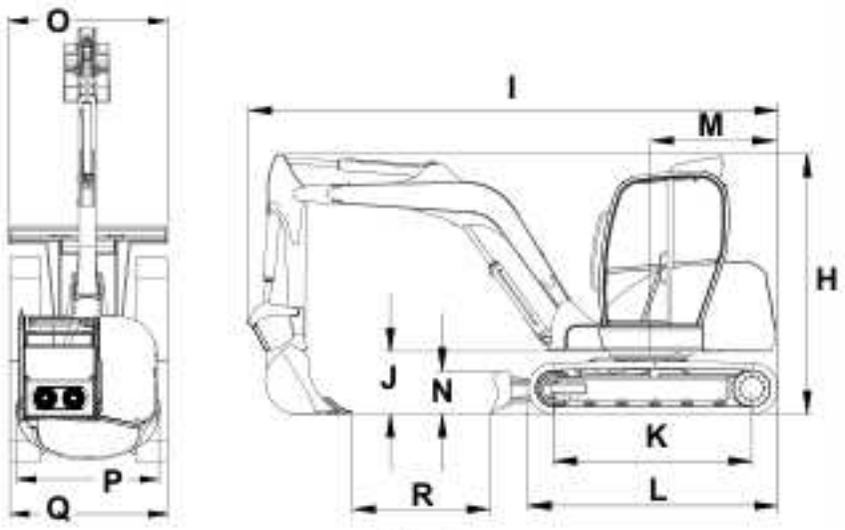


Fig 1.

		8061
H	Overall Height	2704 mm (8 ft 11 in)
I	Overall Length	5604 mm (18 ft 3 in)
J	Slew Clearance	651 mm (2 ft 2 in)
K	Sprocket Idler Centres	2006 mm (6 ft 7 in)
L	Under Carriage Length	2531 mm (8 ft 4 in)
M	Tail Swing	1405 mm (4 ft 7 in)
N	Dozer Height	447 mm (1 ft 6 in)
O	Dozer Width	2012 mm (6 ft 7 in)
P	Super Structure Width	1800 mm (5 ft 11 in)
Q	Width Over Tracks	2000 mm (6 ft 7 in)
R	Min. Clean Up to Dozer Ground Level	548 mm (1 ft 10 in)

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Harness Drawings

Drawings

Drawings are reproduced from production electrical harness drawings. Each harness drawing includes tables showing wire connections and destinations for all the connectors on the harness.

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Fault Finding

Table 1.

Symptom	Possible cause	Remedy
1 Low secondary pressure.	Primary pressure is low.	Check servo pressure maintenance valve.
	Spring **18** is damaged. ⇨ *Fig 3. (D-7).*	Renew the spring.
	Clearance between the spool and seating is too large.	Renew the remote control valve assembly.
	The handle unit is loose.	Dismantle, reassemble or renew the handle unit.
2 Unstable secondary pressure.	Sliding parts are sticking.	Release the sticking part.
	Fluctuations in the tank line pressure.	Check return line and filter for blockage.
	Air is trapped in the piping.	Operate the valve several times to remove the air.
3 High secondary pressure.	The tank line pressure is too high.	Check return line and filter for blockage.
	Sliding parts are sticking.	Release the sticking part.

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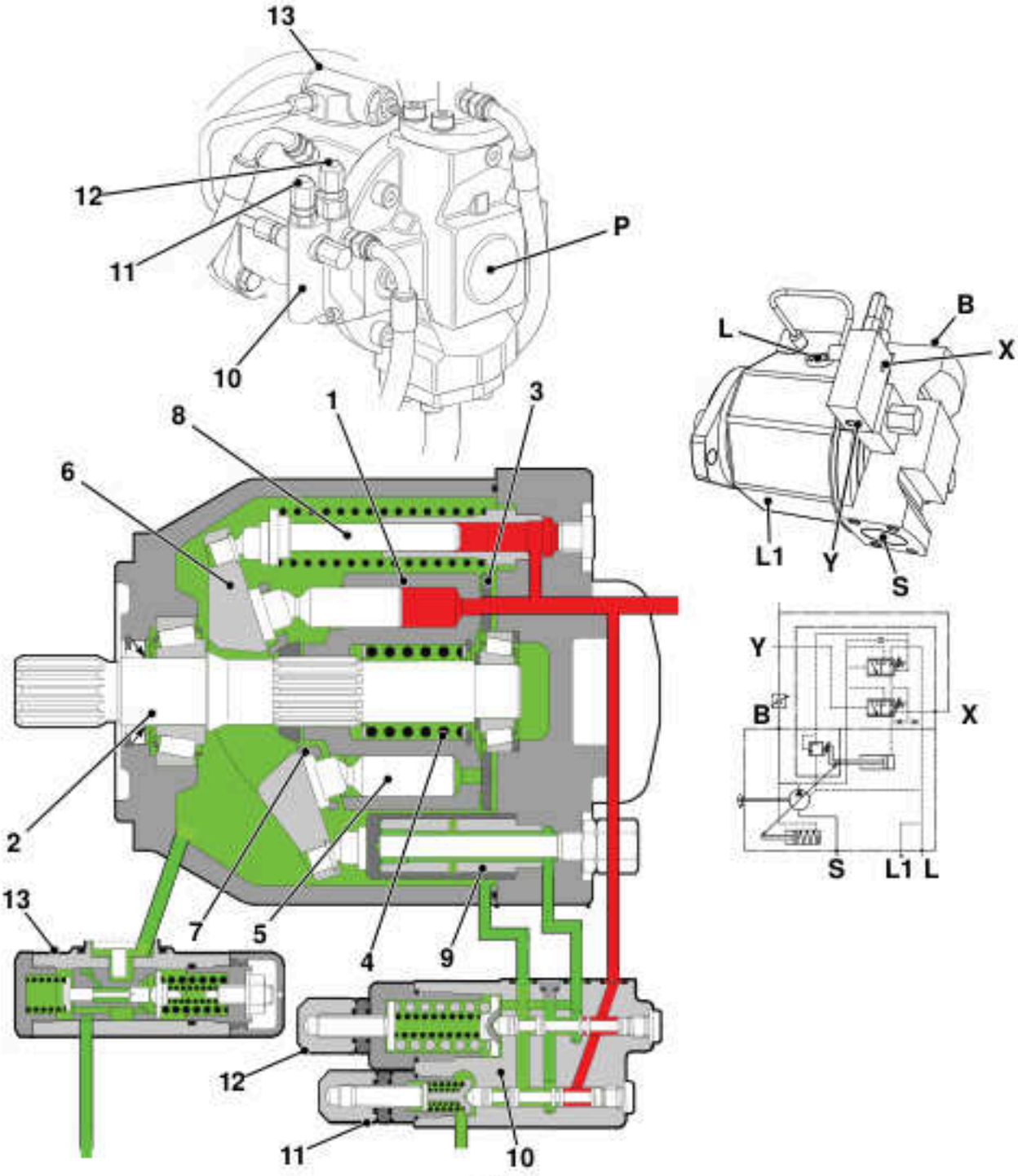


Fig 1.

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Crossline Relief Valves

When the operator returns the slew service to neutral, the momentum of the slewing superstructure turns the motor into a pump. This pressurised oil fills the open centre of poppet **A** and loads top of piston **G** which moves across compressing spring **B**. The momentum continues to increase the pressure load against poppet **A** until the spring force is overcome. Poppet **A** opens allowing excess pressure to vent through **C**.

As the slewing superstructure slows, momentum induced pressure begins to reduce. The spring **B** returns piston and poppet to their respective seats and the escape path for the oil is closed. The machine is consequently brought progressively and smoothly to rest.

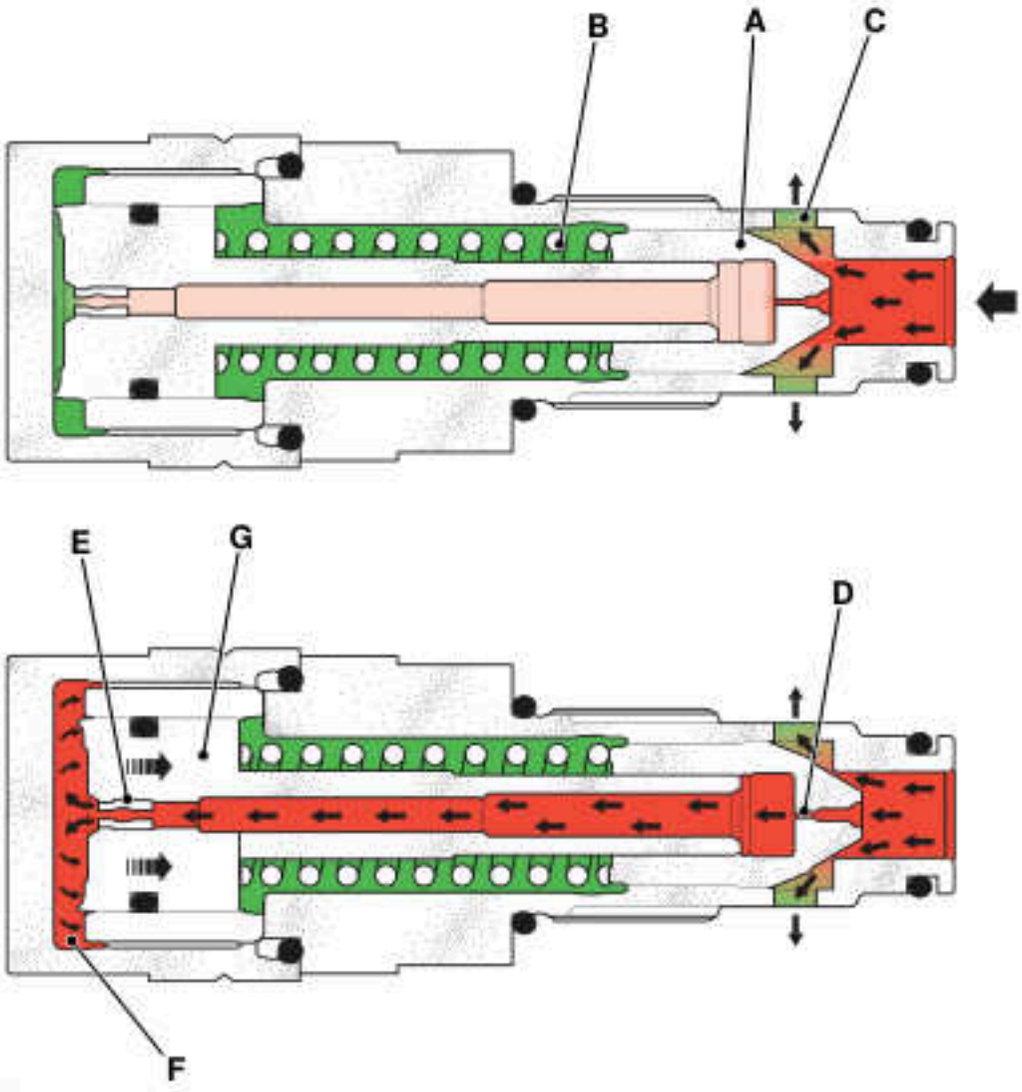


Fig 4.

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