Shop Manual

VEBM090100

WF550-3
WF550T-3

TRASH COMPAKTOR

SERIAL NUMBER

WF550-3	W089-50001 AND UP
WF550T-3	W090-50001 AND UP

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local KOMATSU distributor for those items you may require. Materials and specifications are subject to change without notice.

- WF550-3, WF550T-3 mount the S6D140-2 engine.
  For details of the engine, see the 6D140-2 Series Engine Shop Manual

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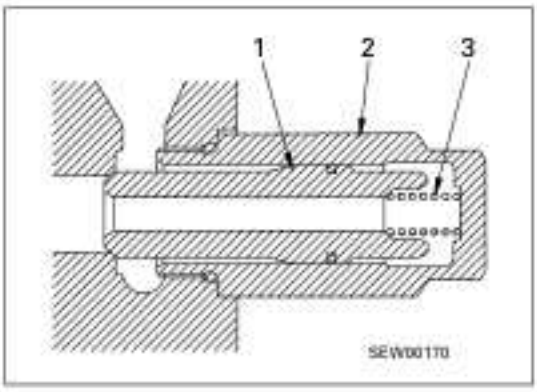
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Suction valve

1. Main poppet
2. Sleeve
3. Spring

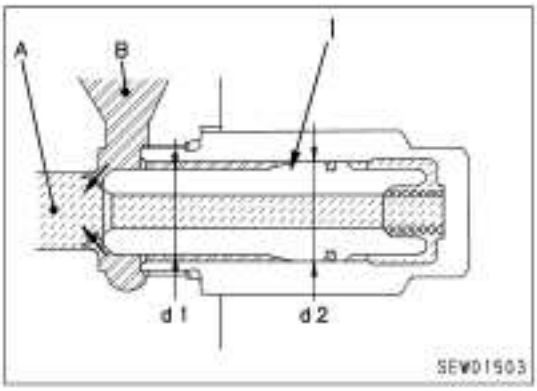


Function

This valve acts to prevent any negative pressure from forming in the circuit.

Operation

If any negative pressure is generated at port **A** (boom cylinder rod end) (when a pressure lower than tank circuit port **B** is generated), main poppet (1) is opened because of the difference in area between d_1 and d_2, and oil flows from port **B** at the tank end to port **A** at the cylinder port end.



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Table of required tools

Test, adjustment item	Symbol		Part No.	Part Name	Remarks	
Engine speed	A		799-203-8001	Multi-tachometer	Digital Display	L: 60-2000 rpm H: 60-19,999 rpm
					Kit Part No.: 799-203-9000	
Water, oil, exhaust temperatures	B		799-101-1502	Digital temperature gauge	-99.9 - 1,299°C	
Oil pressure	C	1	799-101-5002	Hydraulic tester	Pressure gauge	2.5,5.9,39.2,58.8 MPa {25,60,400,600 kg/cm²}
			790-261-1203	Digital hydraulic tester	Pressure gauge: 68.6 MPa {700 kg/cm²}	
		2	799-401-2320	Hydraulic gauge	1.0 MPa {10 kg/cm²}	
Compression pressure	D	1	795-502-1590	Compression gauge	0 - 6.9 MPa {0 - 70 kg/cm²} Kit Part No.: 795-502-1205	
		2	795-502-1500	Adapter		
Blow-by pressure	E	1	799-201-1504	Blow-by checker	—	
		2	799-201-1590	Gauge	0 - 98 kPa {0 - 1,000 mmH_2O}	
Valve clearance	F		Commercially available	Feeler gauge	—	
Exhaust color	G	1	799-201-9000	Handy Smoke Checker	Discoloration 0 - 70% (with standard color) (Discoloration x 1/10 ≒ Bosch index)	
		2	Commercially available	Smoke meter		
Air supply pressure (boost pressure)	H		799-201-2202	Pressure gauge	-101.3 - 199.9 kPa {-760 - 1,500 mmHg}	
Brake oil pressure	I		793-520-1805	Brake test kit	—	
			793-520-1851	Nipple	—	
Operating effort	J		79A-264-0020	Push-pull scale	0 - 294.2 N {0 - 30 kg}	
			79A-264-0090		0 - 490.3 N {0 - 50 kg}	
Stroke, hydraulic drift	K		Commercially available	Scale	—	
Work equipment Speed	L		Commercially available	Stopwatch	—	
Measuring brake disc wear	M		Commercially available	Calipers	—	
Moving machine when there is failure in transmission valve	N		793T-685-1110	Plate	—	
Measuring voltage, resistance value	O		79A-264-0211	Tester	—	
Troubleshooting of wiring harness, sensors	P	1	799-601-7400	T-adapter assembly	—	
		2	799-601-7310	Adapter	SWP12P	
			799-601-7320		SWP16P	
			799-601-7340		M8P	
			799-601-7380		JFC2P	

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EC-4

Fan does not switch from forward to reverse rotation (selector switch position: MANUAL)

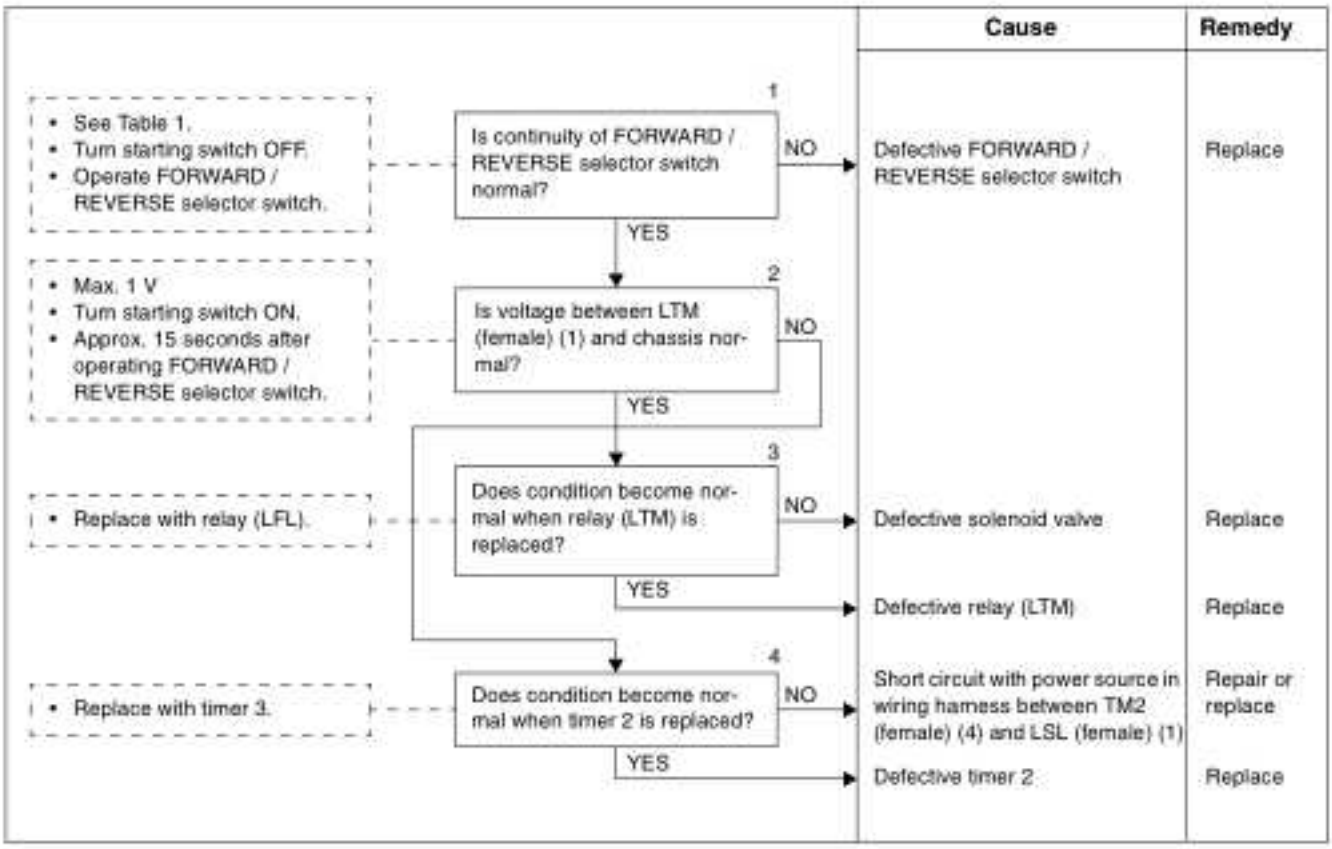
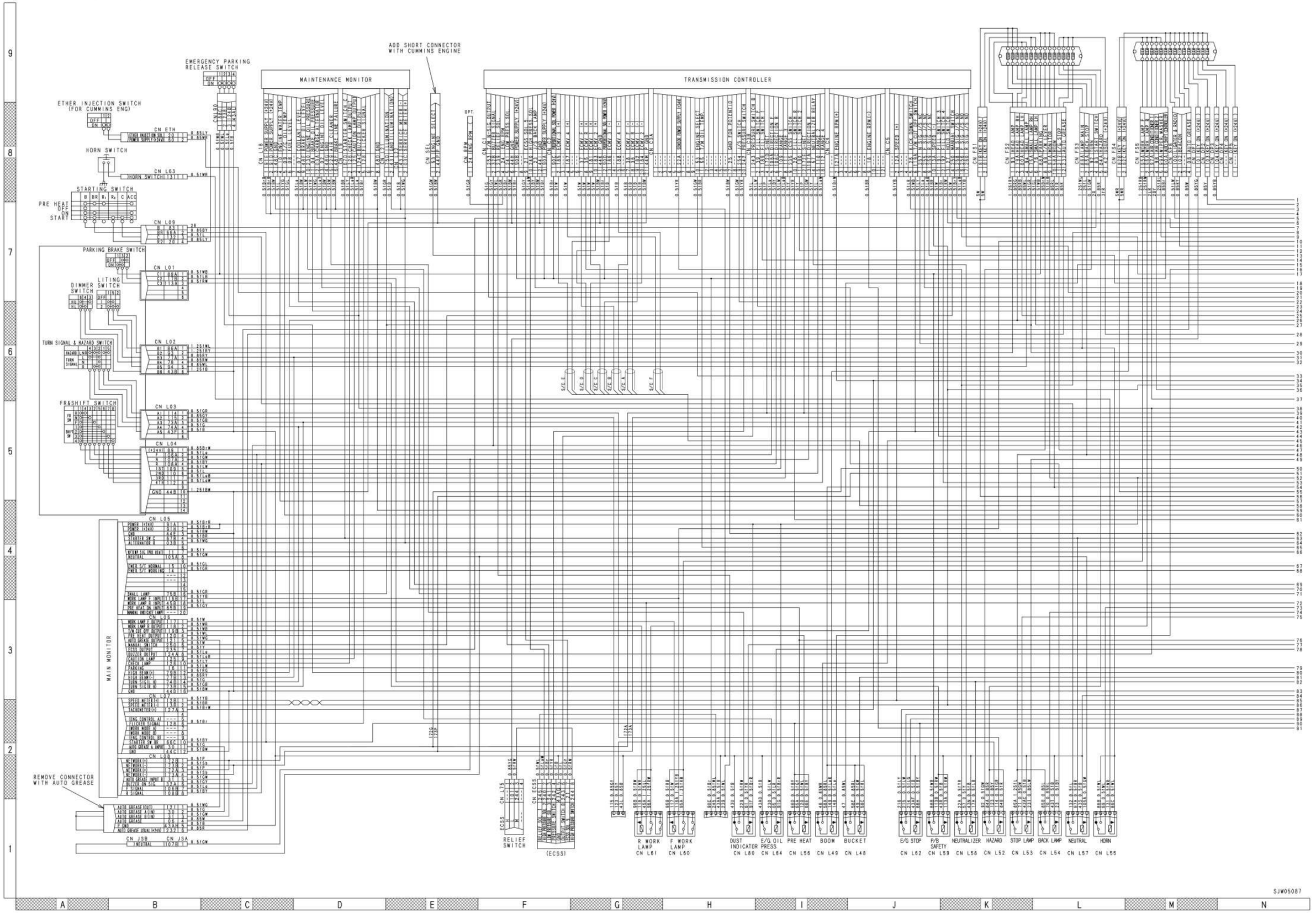


Table 1

	(1)	(2)	(3)
Forward rotation		○	○
Reverse rotation	○	○	

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Electric circuit diagram (1/4)



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