Shop Manual

VEBM080100

WF450-3
WF450T-3

TRASH COMPACTOR

SERIAL NUMBER

WF450-3	W078-54101 AND UP
WF450T-3	W077-54101 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.

- WF450-3, WF450T-3 mount the S6D125-2 engine.
  For details of the engine, see the 125-2 Series Engine Shop Manual

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Weight table

This weight table is a guide for use when transporting or handling components.

Unit: kg

Machine model	WF450-3	WF450T-3
Serial No.	54101 and up	54101 and up
Engine	1150	1150
Radiator	220	220
Transmission (including torque converter)	1000	1000
Center drive shaft	36	36
Front drive shaft	40	40
Rear drive shaft	19	19
Front axle	1482	1445
Rear axle	1493	1470
Front differential	250	250
Rear differential	260	260
Planetary carrier (each)	523	523
Axle pivot (rear axle)	148	148
Rim (1 piece), (triangular foot type)		
Rim (1 piece), (chopper type)		
Steering valve	24	24
Steering cylinder (each)	38	38
Brake (each)	140	140
Hydraulic tank	225	225
Hydraulic, PPC pump (tandem pump)	27	20
Steering, switch pump (tandem pump)	20	20
Main control valve	90	71
Lift cylinder	–	127
Boom cylinder (each)	192	–
Bucket cylinder	222	–
Engine hood	418	418
Front frame	1816	1870
Rear frame	1850	1850
Blade assembly (with cutting edge and end bit)	–	
Blade	–	
Bucket link	89	–
Bellcrank	415	–
Boom (including bushing)	1440 × 4	–
Bucket		–
Bumper	192	192
Fuel tank	218	218
Battery (each)	47	47
Cab	630	630
Air conditioner unit	12.5	12.5
Operator's seat		
Floor board	272	272

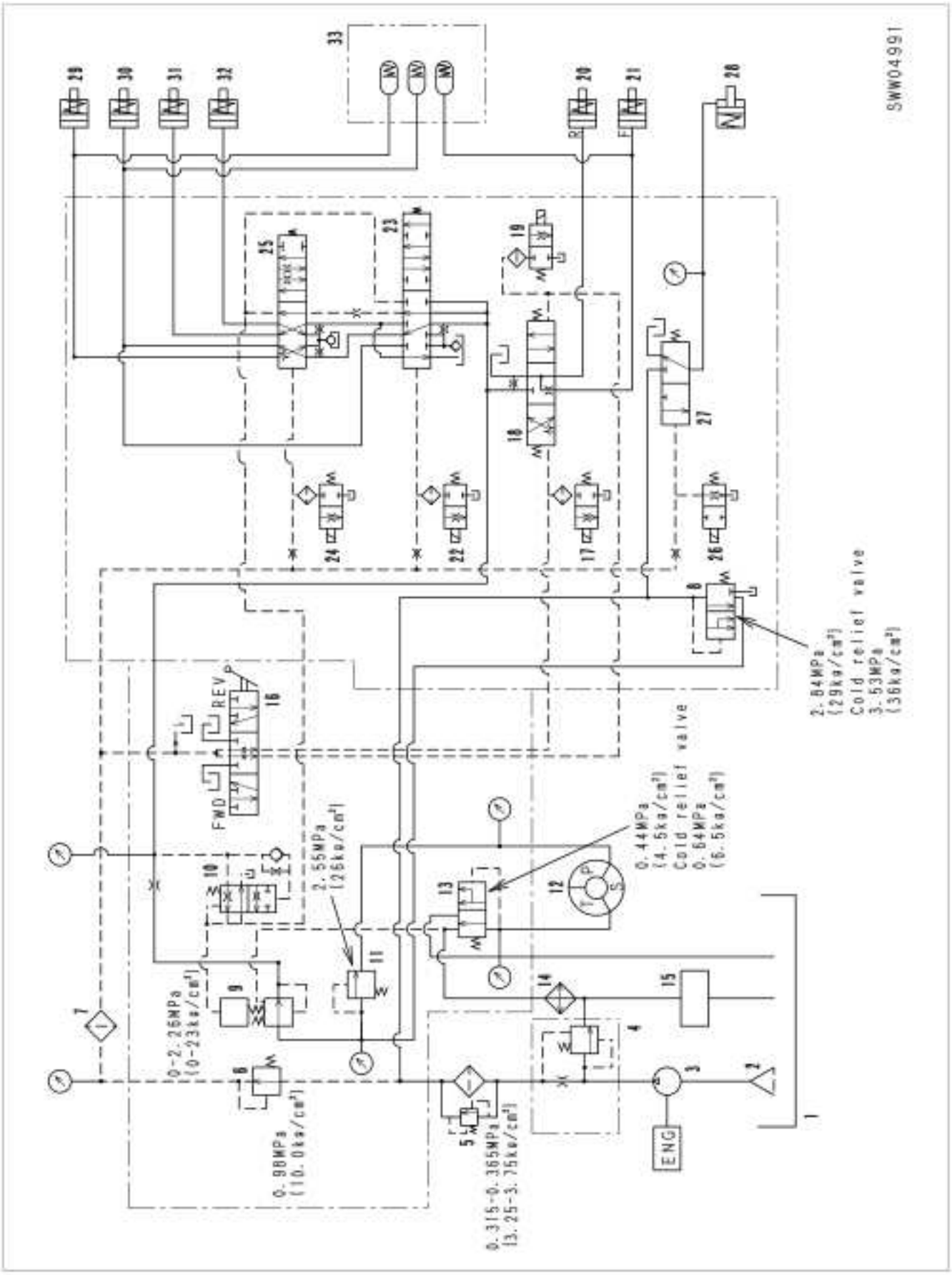
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Tools for testing, adjusting, and troubleshooting

Check or measurement item	Symbol		Part No.	Part Name	Remarks
Engine speed	A		799-203-9000	Multi-tachometer	Digital display L: 60 - 2,000 rpm H: 60 - 19,999 rpm
Oil pressure	B		799-101-5002	Analog hydraulic tester	Pressure gauge 2.45, 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}
			799-401-2320	Hydraulic gauge	1.0 MPa {10 kg/cm²}
Intake air pressure	C		799-201-2202	Boost gauge kit	−101.3 – 199.9 kPa (−760 – 1,500 mmHg)
Valve clearance	D		Commercially available	Feeler gauge	
Exhaust color	E	1	799-201-9000	Handy smoke checker	Discoloration 0 – 70% (with standard color) (Discoloration % x 1/10 = Bosch index)
		2	Commercially available	Smoke meter	–
Coolant, oil, and exhaust temperatures	F	1	799-101-1502	Digital temperature gauge	−99.9 – +1,299°C
Blowby pressure	G	1	799-201-1511	Tool	Kit Part No. 799–201–1504
		2	799-201-1541	Gauge	
		3	799-201-1571	Tube	
		4	799-201-1450	Adapter	
Compression pressure	H	1	795-502-1590	Compression gauge	0 – 6.9 MPa {0 – 70 kg/cm²} Kit Part No. 795–502–1205
		2	795-502-1360	Adapter	–
Operating force	I	1	79A-264-0090	Push-pull scale	0 – 490 N {0 – 50 kg}
		2	79A-264-0020	Push-pull scale	0 – 294 N {0 – 30 kg }
Stroke, hydraulic drift	J		Commercially available	Scale	–
Work equipment speed	K		Commercially available	Stop watch	–
Troubleshooting of wiring harnesses and sensors	L		799-601-2500	T-adapter	–
Measuring voltage and resistance values	M		Commercially available	Tester	–
Adjusting engine injection timing	N		795-471-1200	Gauge assembly	–
Clearance	O		Commercially available	Feeler gauge	
Wear of parking brake	P		Commercially available	Calipers	
Testing brake oil pressure	Q	1	793-605-1001	Brake tester kit	
		2	790-101-1430	Coupler	
		3	790-101-1102	Pump	
Boom drop prevention tool	R		793-463-1100	Stopper	–

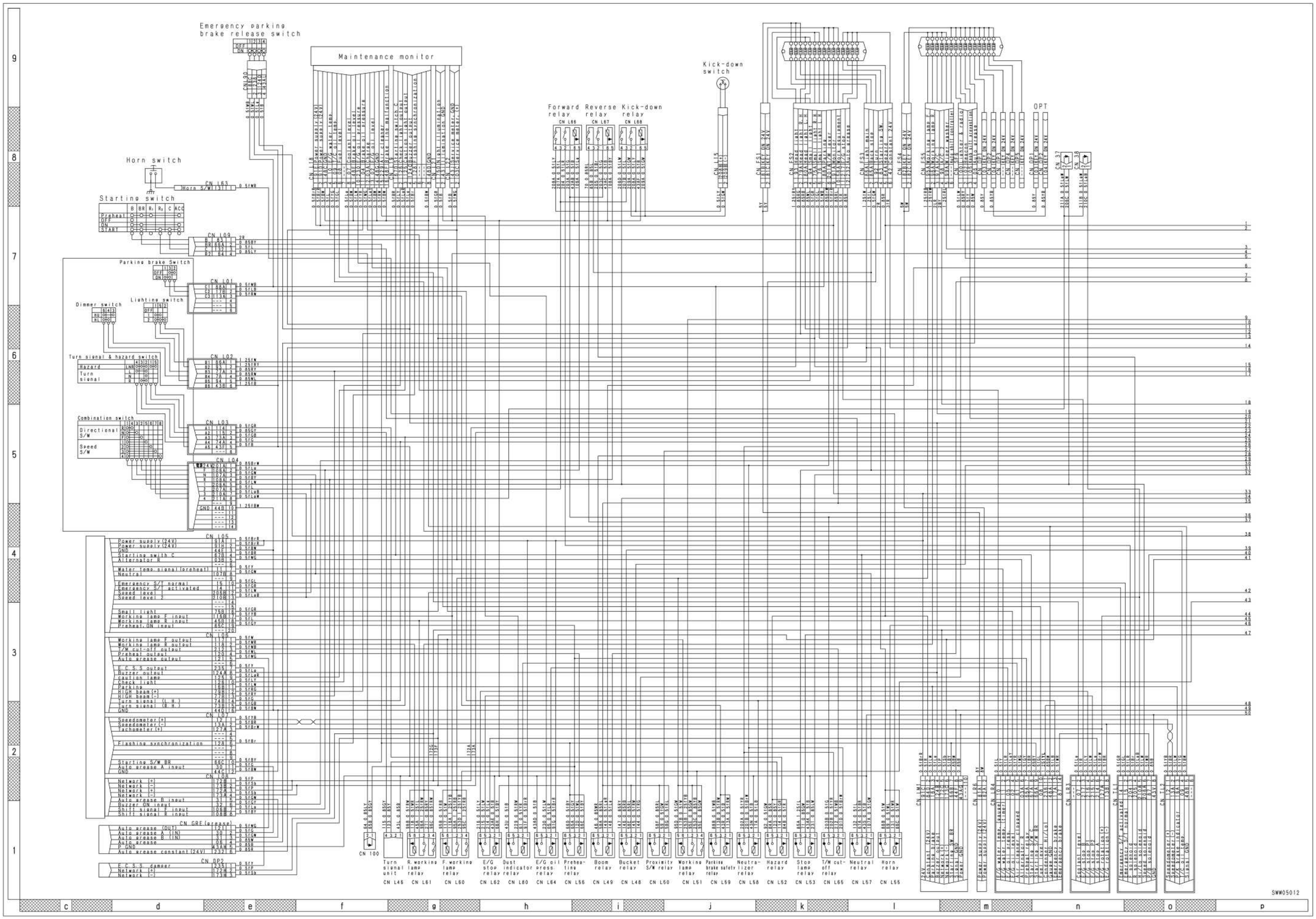
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Transmission hydraulic circuit diagram



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Electric circuit diagram [3/4)] (WF450-3)



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