WSM

WORKSHOP MANUAL

TRACTOR

L2250 • L2550(GST)
L2850(GST) • L3250

Kubota

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SERVICING

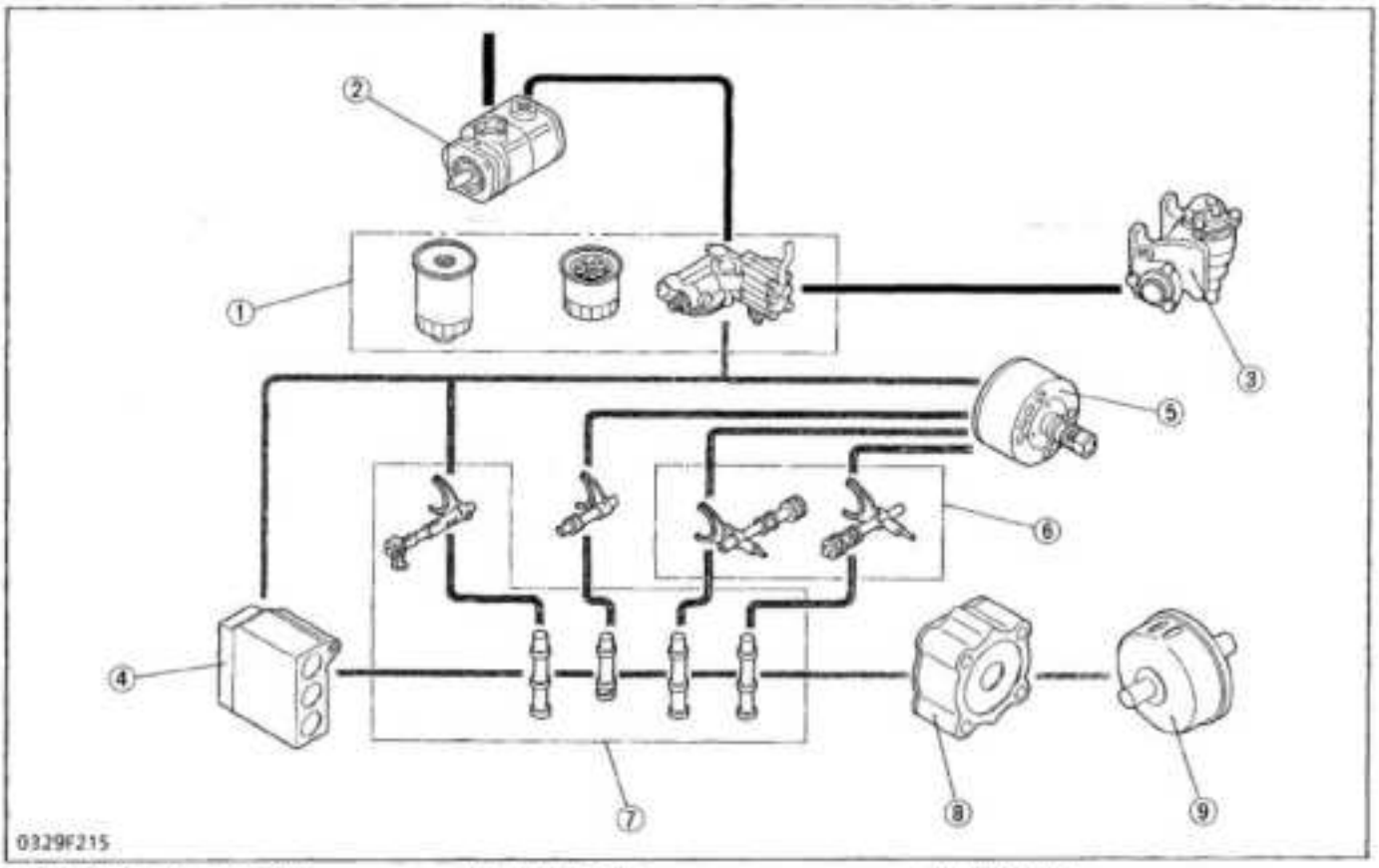
TROUBLE-SHOOTING

Symptom	Probable Cause	Solution	Reference Page
Front-end Loader Does Not Rise (No Noise)	• Control valve broken	Replace	F.S-16
	• Control lever broken	Replace	—
	• Spool rod mounting pin broken or fall	Replace or assemble	F.S-7
(Noise)	• Relief valve spring damaged	Replace	S.8-17
	• Boom cylinder piston ring broken	Replace	F.S-19
	• Oil filter clogged	Clean or replace	S.8-12
	• Inlet pipe O-ring broken	Replace	—
	• Insufficient transmission fluid	Refill	F.S-3
	• Relief valve set pressure too low	Adjust or replace	S.8-17
	• Hose damaged	Replace	—
	• Hydraulic pump broken	Replace	S.8-6
	• Control spool slit of front hydraulic block is turned to O mark side.	Turn to C mark side	—
Bucket Does Not Move (No Noise)	• Control valve broken	Replace	F.S-16
	• Control lever broken	Replace	—
	• Link rod mounting cotter pin broken or fall	Replace or assemble	F.S.7
(Noise)	• Relief valve spring damaged	Replace	—
	• Bucket cylinder piston ring broken	Replace	F.S-19
	• Oil filter clogged	Clean or replace	S.8-12
	• Inlet pipe O-ring broken	Replace	—
	• Insufficient transmission fluid	Refill	F.S-3
	• Relief valve set pressure too low	Adjust or replace	S.8-17
	• Hose damaged	Replace	—
	• Hydraulic pump broken	Replace	S.8-6
	• Control spool slit of front hydraulic block is turned to O mark side.	Turn to C mark side	—
Front-end Loader Does Not Lower	• Control valve malfunctioning	Repair or replace	F.S-16
Front-end Loader Drops By Its Weight	• Boom cylinder tube worn or damaged	Replace	—
	• Boom cylinder piston ring worn or damaged	Replace	F.S-19
	• Control valve malfunctioning	Replace	F.S-16

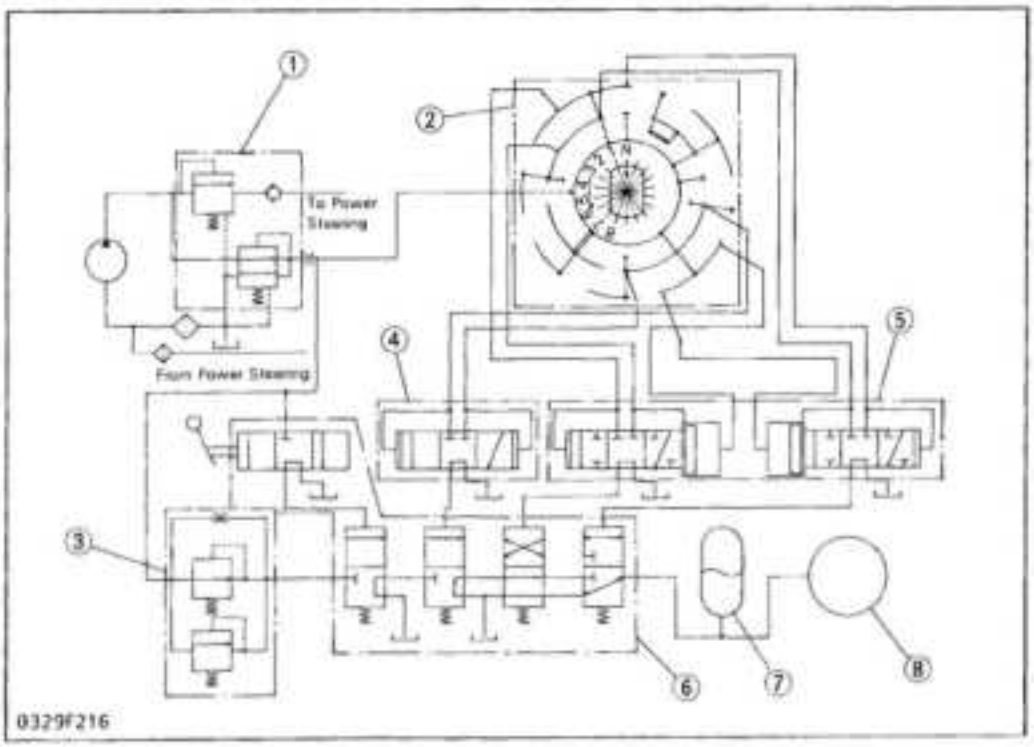
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[2] SYSTEM CONFIGURATION AND WIRING DIAGRAM

SYSTEM CONFIGURATION



(1) Oil Filter Bracket Assembly
(2) Oil Pump
(3) Power Steering
(4) Modulating Valve (Cut-off Valve)
(5) Rotary Valve
(6) Main Shift Valve Assembly
(7) Gate Valve Assembly
(8) Accumulator
(9) Clutch Pack
(10) Power Steering Oil
(11) Pack Oil GST System Oil
(12) Shift Oil GST System Oil



(1) Oil Filter Bracket
Relief Valve
Reducing Valve
Check Valve
(2) Rotary Valve
(3) Modulating Valve (Cut-off Valve)
Orifice
Low-pass Valve
High-pass Valve
(4) Hi-Lo Shift Spool Valve
(5) Main Shift Valve Assembly
1-2 Shift Spool Valve
3-4 Shift Spool Valve
(6) Gate Valve Assembly
Shuttle Shift Spool Valve
Gate Valves
(7) Accumulator
(8) Clutch Pack

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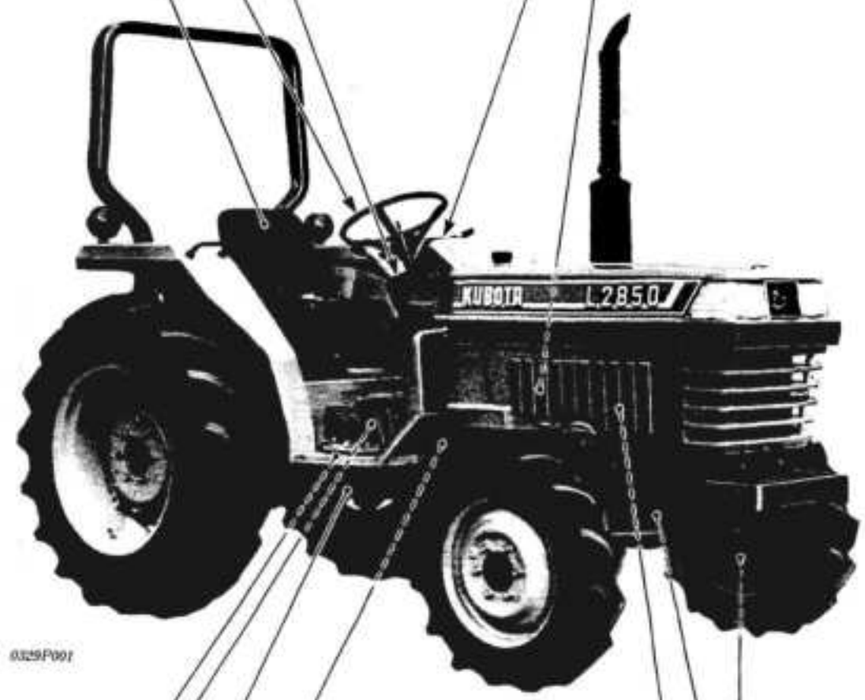
Model			L2850GST (4WD)
Hydraulic system	Hydraulic control system		Position and draft control
	Pump capacity (at 2600 engine)		32.7 ℓ/min (8.64 GPM)
	Three point hitch		Category 1
	Max. lifting force (24 in. behind lower linkend)		900 kg (1980 lbs)
Rear PTO	PTO shaft		SEA 1-3/8 6-splines (with overrunning clutch)
	Revolution	With single stage clutch	2 speeds: 9 r/s (540 rpm)/engine 40.5 r/s (2430 rpm), 16.7 r/s (1000 rpm)/engine 40.6 r/s (2438 rpm)
Mid PTO (if equipped)	PTO shaft		USA No 5 involute spline
	Revolution	With single stage clutch	2 speeds: 18 r/s (1080 rpm)/engine 40.5 r/s (2430 rpm), 33.3 r/s (2000 rpm)/engine 40.6 r/s (2438 rpm)
Min. turning radius m (feet)			2.4 (7.9)
Traction system			Fixed drawbar or Swing drawbar (if equipped)
Weight kg (lbs)			1270 (2800)
Traveling speed Km/h (mph)	Forward	1st	1.4 (0.9)
		2nd	2.0 (1.2)
		3rd	3.1 (1.9)
		4th	4.4 (2.7)
		5th	6.8 (4.2)
		6th	9.4 (5.9)
		7th	14.7 (9.2)
		8th	21.1 (13.1)
	Reverse	1st	1.2 (0.7)
		2nd	1.6 (1.0)
		3rd	2.5 (1.6)
		4th	3.6 (2.2)
		5th	5.5 (3.4)
		6th	7.7 (4.8)
		7th	12.1 (7.5)
		8th	17.2 (10.7)

Note: * Manufacture's estimate.

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F FEATURES

- Column shifted main shift and shuttle levers
- Integral power steering (if equipped) (M.7-3)
- Comfortable, ride-engineering seat



0329P001

- Easy checker for daily inspection (if equipped) (M.9-24)
- Direct injection, water cooled diesel engine delivers more power for less fuel (M.1)
- Engine key stop

- Roomy platform
- 8 forward, 7 reverse speed Manual shuttle transmission (M.3-6) Partial synchromesh (3rd, 4th, 7th, 8th) (if equipped) (M.3-3)
- Mid-PTO (if equipped) (M3-9)
- Twin plates single stage clutch (for L2850) (M.2-3) Dual stage clutch (if equipped) (M.2-4)

- Smaller turning radius
- Adjustable front wheel tread (except L2250) [2WD] (M.6-1)
- Reverse fan blade

- Rops
- Position control (M.8-11) Draft control (if equipped) (M.8-13)



0329P002

- Positive, wet disc brakes
- Two-speed PTO (M.3-8) (540 rpm, 1000 rpm)
- Category 1
- Swinging drawbar (if equipped)

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