

WSM

WORKSHOP MANUAL **TRACTOR**

**L2250,L2550(GST),
L2850(GST),L3250**

Кубота

TO THE READER

This Workshop Manual has been prepared to provide servicing personnel with information on the mechanism, service and maintenance of KUBOTA Tractor L2250, L2550, L2850 and Implements. It is divided into three parts, "Mechanism", "Disassembling and Servicing" and "Implement".

■ Mechanism

Information on construction and function are included for each tractor section. This part should be understood before proceeding with troubleshooting, disassembling and servicing.

■ Disassembling and servicing

Under the heading "General" comes general precautions, check and maintenance and special tools. For each tractor section, there are troubleshooting, servicing specification lists, checking and adjusting, disassembling and assembling, and servicing which cover procedures, precautions, factory specifications and allowable limits.

■ Implement

On this section, explain the mechanism and servicing method for Front-end loader, Mower and Rotary tiller.

All information, illustrations and specifications contained in this manual are based on the latest production information available at the time of publication.

The right is reserved to make changes in all information at any time without notice.

December '84

© KUBOTA Corporation 1992

SPECIFICATIONS

Model			L2250 (2WD)	L2250 (4WD)	L2550 (2WD)	L2550 (4WD)	L2850 (2WD)	L2850 (4WD)
Maximum PTO power			15.7kW (21HP)*		17.5kW (23.5HP)*		20.1kW (27HP)*	
Engine gross H.P.			19.8kW (26.5HP)*		22.0kW (29.5HP)*		25.4kW (34HP)*	
Capacities	Model		KUBOTA D1302-DI-A		KUBOTA D1402-DI-A		KUBOTA V1702-DI-A	
	Type		Vertical, water-cooled, 4 cycle diesel engine					
	Number of cylinders		3			4		
	Bore and stroke		82 x 82mm (3.2 x 3.2in.)		85 x 82mm (3.3 x 3.2in.)		82 x 82mm (3.2 x 3.2in.)	
	Total displacement		1299cm³ (79.3cu. in.)		1395cm³ (85.1cu. in.)		1732cm³ (105.7cu. in.)	
	Rated revolution		43.3 r/s (2600 rpm)					
	Maximum torque (Net)		80.61N·m (8.22 kgf·m, 59.46 ft·lbs)		88.26N·m (9.00 kgf·m, 65.10 ft·lbs)		101.11N·m (10.31 kgf·m, 74.57 ft·lbs)	
	Combustion chamber		Direct injection					
	Fuel injection pump		Bosh K type mini pump (NP-PFR3KD 75/2 NP17)					(NP-PFR4KD 75/2 NP6)
	Governor		Centrifugal ball mechanical governor					
	Injection nozzle		4 hole type (Stanadyne pencil nozzle)					
	Injection timing		0.31 rad. (18°) before T.D.C.					
	Injection order		1 – 2 – 3			1 – 3 – 4 – 2		
	Injection pressure		22.75 MPa (232 kgf/cm², 3300 psi)					
	Compression ratio		18					
	Lubricating system		Forced lubrication by pump					
	Cooling system		Pressurized radiator, Forced circulation with water pump					
	Starting system		Electric starting with cell starter (12V, 1.4kW)					
	Alternator		12V 420W					
	Battery		12V 80 Ah eq.				12V 110 Ah eq.	
	Fuel		Diesel fuel No. 1-D [below-10°C (15°F)] Diesel fuel No. 2-D [above-10°C (15°F)] (ASTM D975)					
	Lubricating oil		MIL-L-2104B or MIL-L-2104C, quality better than CC class (API)					
	Weight (Dry)		176.7 kg (389.6 lbs)				207.1 kg (456.6 lbs)	
Dimensions	Fuel tank		29ℓ (7.7 U.S.gals., 6.4 Imp.gals.)					
	Engine crankcase		5.7ℓ (6.0 U.S.qts., 5.02 Imp.qts.)				8.5ℓ (8.9 U.S.qts., 7.48 Imp.qts.)	
	Engine coolant	A	5ℓ (5.3 U.S.qts., 4.4 Imp.qts.)				7ℓ (7.4 U.S.qts., 6.16 Imp.qts.)	
		B	4.6ℓ (4.9 U.S.qts., 4.1 Imp.qts.)				5.6ℓ (5.9 U.S.qts., 4.9 Imp.qts.)	
	Transmission case		28.5ℓ (7.5 U.S.gals., 6.3 Imp. gals.)					
	Steering gear case		0.1ℓ (0.11 U.S.qts., 0.088 Imp. qts.)					
	Steering gear box		0.2ℓ (0.21 U.S.qts., 0.176 Imp. qts.)					
Dimensions	Front axle case [4WD]		6ℓ (6.3U.S.qts., 5.28Imp.qts.)		6.5ℓ (6.8 U.S.qts., 5.72 Imp.qts.)			
	Overall length (without 3P) mm (in.)		2750 (108.3)		2770 (109.1)		2900 (114.2)	
	Overall width mm (in.)		1255 (49.4)		1305 (51.4)		1370 (53.9)	
	Overall height with muffler mm (in.)		2030 (79.9)					
	Wheel base mm (in.)		1640 (64.6)				1735 (68.3)	
	Min. ground clearance mm (in.)		345 (13.6)	305 (12.0)	370 (14.6)	345 (13.6)	355 (14.0)	345 (13.6)
	Tread	Front mm (in.)	1010 (39.8)	1010 (39.8)	960 (37.8) to 1260 (49.6)	1120 (44.1)	1150 (45.3) to 1450 (57.1)	1120 (44.1)
Rear mm (in.)		1015 (40.0), 1135 (44.7)		1030 (40.6) to 1400 (55.1)		1050 (41.3) to 1515 (59.6)		
Travelling system	Tire size (Std.)	Front tires	4.00–15	6–14	5.00–15	7–16	5.00–15	7–16
		Rear tires	9.5–24	9.5–24	11.2–24	11.2–24	12.4–24	12.4–24
	Clutch		Dry single plate or dual stage (if equipped)					Dry twin plates or dual stage (if equipped)
	Steering		Recirculating ball type manual steering or integral type power steering (if equipped)					
	Transmission		Mechanical shuttle, 8 forward and 7 reverse					
	Brake	Travelling	Wet disc type					
		Parking	Connected with the travelling brake					
Differential		Bevel gear						

Tractor serial number

[A] L2250 2WD: ~12830 L2550 2WD: ~12579 L2850 2WD: ~11358
 L2250 4WD: ~57288 L2550 4WD: ~57608 L2850 4WD: ~58194
 [B] L2250 2WD: 12831~ L2550 2WD: 12580~ L2850 2WD: 11359~
 L2250 4WD: 57289~ L2550 4WD: 57609~ L2850 4WD: 58195~

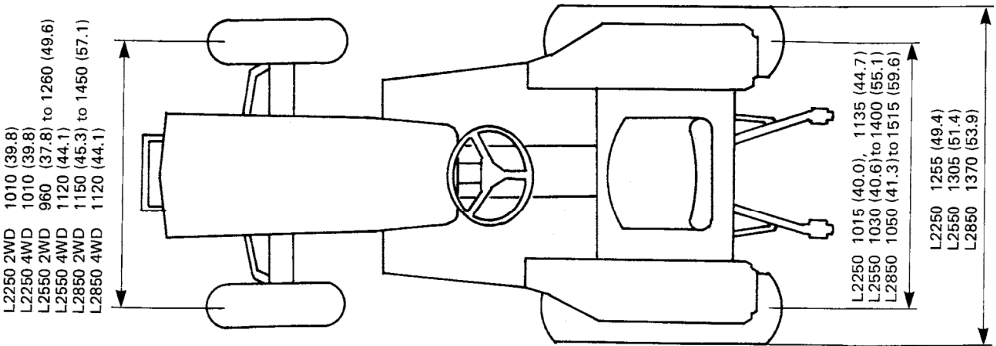
Model			L2250 (2WD)	L2250 (4WD)	L2550 (2WD)	L2550 (4WD)	L2850 (2WD)	L2850 (4WD)
Hydraulic system	Hydraulic control system		Position control and draft control (if equipped)					
	Pump capacity		25.4ℓ/min (6.7 GPM)				29.4ℓ/min (7.7 GPM)	
	Three point hitch		Category 1					
	Max. lifting force (24in. behind lower link end)		700kg (1540 lbs)			900kg (1980 lbs)		
Rear PTO	PTO shaft		SEA 1-3/8 6-splines (with overrunning clutch on single clutch tractor)					
	Revolution	with single stage clutch	2 speeds 9r/s (540 rpm)/engine 40.5r/s (2430 rpm), 16.7r/s (1000 rpm)/engine 40.6r/s (2438 rpm)					
		with dual stage clutch	2 speeds 9r/s (540 rpm)/engine 38.3r/s (2298 rpm), 16.7r/s (1000 rpm)/engine 40.6r/s (2438 rpm)					
Mid PTO (if equipped)	PTO shaft		USA No. 5 Involute spline					
	Revolution	with singl stage clutch	2 speeds 18r/s (1080 rpm)/engine 40.5r/s (2430 rpm), 33.3r/s (2000 rpm)/engine 40.6r/s (2438 rpm)					
		with dual stage clutch	2 speeds 18r/s (1080 rpm)/engine 38.3r/s (2298 rpm), 33.3r/s (2000 rpm)/engine 40.6r/s (2438 rpm)					
Min. turning radius m (feet)			2.3 (7.5)	2.2 (7.2)	2.3 (7.5)	2.3 (7.5)	2.4 (7.9)	2.4 (7.9)
Traction system			Fixed drawbar or Swing drawbar (if equipped)					
Weight kg (lbs)			984 (2170)	1080 (2380)	1020 (2250)	1120 (2470)	1125 (2480)	1230 (2710)

NOTE: *Manufacture's estimate.

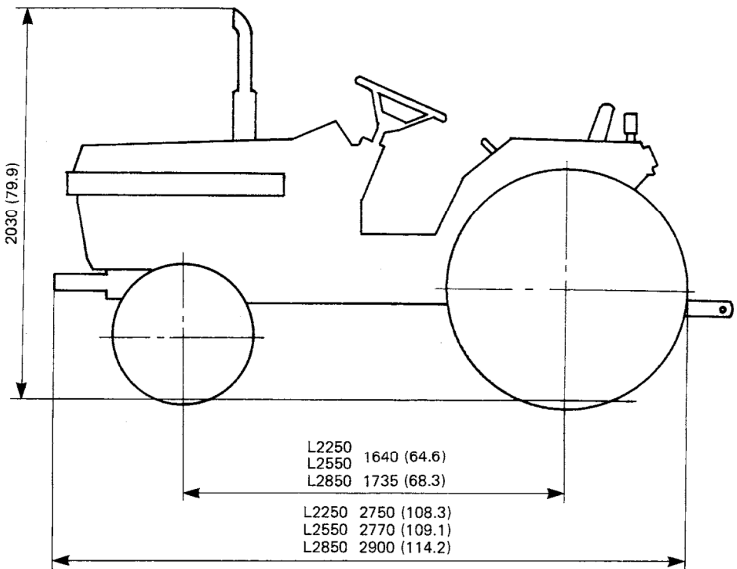
DIMENSION

[L2250·L2550·L2850]

Unit : mm (in.)



0329F001



0329F002

It's a preview. You can download the full file by clicking the link below.

<https://shop servicemanual.com/>

Service Manuals from 2\$