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Code No. TD277-1974-1

OPERATOR'S MANUAL

KUBOTA TRACTOR MODELS L3240.L3540



READ AND SAVE THIS MANUAL

L4240.L5240.L5740 with ROPS L4240.L5240.L5740 with CAB







ABBREVIATION LIST

Abbreviations	Definitions
2WD	Two Wheel Drive
4WD	Four Wheel Drive
API	American Petroleum Institute
ASABE	American Society of Agricultural and Biological Engineers, USA
ASTM	American Society for Testing and Materials, USA
DIN	Deutsches Institut für Normung, GERMANY
DT	Dual Traction [4WD]
fpm	Feet Per Minute
GST	Glide Shift Transmission
Hi-Lo	High Speed-Low Speed
HST	Hydrostatic Transmission
m/s	Meters Per Second
PTO	Power Take Off
RH/LH	Right-hand and left-hand sides are determined by facing in the direction of forward travel
ROPS	Roll-Over Protective Structures
rpm	Revolutions Per Minute
r/s	Revolutions Per Second
SAE	Society of Automotive Engineers, USA
SMV	Slow Moving Vehicle

KUBOTA Corporation is ...

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This operator's manual has been edited for global use.

Please keep in mind, however, that some models discussed herein might not be available in your country.

Since its inception in 1890, KUBOTA Corporation has grown to ank as one of the major firms in Japan.

o achieve this status, the company has through the years iversified the range of its products and services to a remarkable ktent, until today, 19 plants and 16,000 employees produce over ,000 different items, large and small.

Il these products and all the services which accompany them, owever, are unified by one central commitment. KUBOTA makes roducts which, taken on a national scale, are basic necessities. roducts which are indispensable, products intended to help idividuals and nations fulfill the potential inherent in their nvironment. For KUBOTA is the Basic Necessities Giant.

his potential includes water supply, food from the soil and from ne sea, industrial development, architecture and construction, and ansportation.

housands of people depend on KUBOTA's know-how, technology, xperience and customer service. You too can depend on UBOTA.

> L3240/L3540/L4240 L5240/L5740 (Australia) AS . F . 3-6 . 1 . AK

FOREWORD

Thank you very much for choosing the L series tractor.

This operator's manual covers the operation, inspection and preventive maintenance instructions that is specific to the oceania models. For other information and instructions, refer to the separately issued operator's manual for the sister models. (L3240-3 to L5740-3)

Please read both manuals carefully, to operate the machine properly and safety. Proper daily inspection, servicing and lubrication keeps your machine in good condition.



This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.

DANGER :	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
WARNING :	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION :	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.
IMPORTANT :	Indicates that equipment or property damage could result if instructions are not followed.
NOTE :	Gives helpful information.

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SPECIFICATIONS

SPECIFICATION TABLE [HST Type] [ROPS and CAB models]

	Model			L3240	L3540	L4240	L5240	L5740
	Woder					4WD		
	Model			D1703-M-E2- HST1	D1803-M-E2- HST1	V2203-M-E2- HST1	V2403-M- TE2-HST1	V2403-M- TE2-HST2
	Туре			Ir	ndirect injection v	ertical, water-cool	led, 4-cycle dies	el
	Number of cy	/linders		:	3		4	
	Total displac	ement	L	1.647	1.826	2.197	2.4	134
	Bore and stro	oke	mm	87 x 92.4	87 x 102.4	87 x 92.4	87 x	102.4
Engine	Net power*		kW (HP)	23.9 (32.0)	26.1 (35.0)	31.3 (42.0)	38.8 (52.0)	42.5 (57.0)
	PTO power* (factory obse	erved)	kW (HP)/ rpm	18.7 (25.1)/ 2700	20.9 (28.0)/ 2700	26.1 (35.0)/ 2700	33.6 (45.0)/ 2600	37.3 (50.0) 2700
	Maximum tor	que	N-m (kgf-m)	101.7 (10.4)	112.8 (11.5)	139.7 (14.2)	180.6	(18.4)
	Battery capacity			12V, RC: 123min, CCA: 490A		12V, RC: 133 min, CCA: 582A		
	Fuel tank		L	4	4	50	54	
Capacities	Engine crankcase (with filter)		L	5.7	6.7	8.2	9.4	
·	Engine coolant		L	6.0	7	.5	8.2	
	Transmission case		L	42 43		4	5	
	Overall length (without 3p)		mm	29	60	3125	32	250
	Overall width (min. tread)		mm	15	20	1665	15	570
	Overall	with ROPS	mm	23	85	2405	24	90
Dimensions	height	with CAB	mm	-		2295	24	05
	Wheel base		mm	18	05	1895	1915	
	Min. ground	clearance	mm	3	50	375	400	
		Front	mm	11	50	1145	13	340
	Tread	Rear	mm	1200, 1300,	1385, 1480	1285, 1435, 1530	1225, 1325, 1425, 1525	
Weight	1	with ROPS	kg	15	40	1665	17	'45
		with CAB	kg	-		1815	1920	

	Model			L3240	L3540	L4240	L5240	L5740
	woder		ľ	4WD				
	Standard	Front		7-	16	8-16	9.5-16	
	tire size	Rear		12.4	-24	14.9-24	13.6	5-28
	Clutch				D	ry type single stag	e	
Traveling	Steering				Hydr	ostatic power stee	ering	
system	Transmission				Hydrosta	tic transmission (3	speeds)	
	Braking syste	m				Wet disk type		
	Min. turning radius (with brake) m				2.7		2	.8
	Hydraulic control system					Position control		
	Pump capacity		L/min.	31	.5	37.0	35.6	37.0
	3-point hitch			SAE category 1		SAE category 1, 2		
Hydraulic		At lift points	kg	17	00		1750	
unit	Max. lift force	24 in. behind lift points	kg	12	00	1250	13	50
	System pressure MPa (kgf/cm ²)		17.7 (180)					
					S	AE 1-3/8, 6 spline	s	
ΡΤΟ	Rear PTO	PTO/ Engine speed	rpm	540/2	2685	540/2640	540/2	2590
110					USA No.5 (KL	JBOTA 10-tooth) i	nvolute spline	
	MID-PTO (if equipped)	PTO/ Engine speed	rpm	2000/	2715	2000/2670	2000/	/2615

NOTE : *Manufacturer's estimate

The company reserve the right to change the specifications without notice.

SPECIFICATION TABLE [Manual Transmission Type] [ROPS model]

	Model			L3240	
	WOUEI			4WD	
	Model			D1703-M-E2-GST1	
	Туре			Indirect injection vertical, water-cooled, 4-cycle diesel	
	Number of cy	linders		3	
	Total displace	ement	L	1.647	
	Bore and stro	ke	mm	87 x 92.4	
Engine	Net power*		kW (HP)	23.9 (32.0)	
	PTO power* (factory obser	rved)	kW (HP)/ rpm	19.8 (26.5)/2700	
	Maximum tore	que	N-m (kgf-m)	101.7 (10.4)	
	Battery capac	city		12V, RC: 123min, CCA: 490A	
	Fuel tank		L	44	
Capacities	Engine cranke (with filter)	case	L	5.7	
	Engine coolant		L	6.0	
	Transmission case		L	42	
	Overall length (without 3p)		mm	2960	
	Overall width (min. tread)		mm	1520	
Dimensions	Overall height (with ROPS)		mm	2385	
	Wheel base		mm	1805	
	Min. ground c	learance	mm	350	
	Tread	Front	mm	1150	
	Treau	Rear	mm	1200, 1300, 1385, 1480	
Veight (with	ROPS)		kg	1475	
	Standard	Front		7-16	
	tire size	Rear		12.4-24	
	Clutch			Dry type single stage	
Traveling	Steering			Hydrostatic power steering	
system	Transmission			8 forward and 8 reverse fully synchronized main and shuttle transmission	
	Braking syste	m		Wet disk type	
	Min. turning radius m		m	2.7	

	Model			L3240
	Woder		İ	4WD
	Hydraulic con	trol syste	m	Position control
	Pump capacit	y	L/min.	31.5
	Three point h	itch		SAE category 1
Hydraulic		At lift points	kg	1700
unit	Max. lift force	24 in. behind lift points	kg	1200
	System pressure		MPa (kgf/cm²)	17.7
				SAE 1-3/8, 6 splines
РТО	Rear PTO	PTO/ Engine speed	rpm	540/2550
FIU				USA No.5 (KUBOTA 10-tooth) involute spline
	MID-PTO (if equipped)	PTO/ Engine speed	rpm	2000/2580

NOTE : *Manufacturer's estimate

The company reserve the right to change the specifications without notice.

(At rated engine rpm)

TRAVELING SPEEDS

HST Type

Model			L3240, L3540	L4240	L5240	L5740
Tire size (Rear	-)		12.4-24	14.9-24	13.0	1 6-28
Speed H-DS Range gear control pedal lever shift lever				k	xm/h	
Forward		L	3.5	3.6	3.4	3.6
	L	М	7.1	7.3	7.0	7.3
		Н	15.0	15.5	14.9	15.5
		L	5.8	6.0	5.8	6.0
	Н	М	11.8	12.3	11.8	12.2
		Н	25.0	26.0	24.9	25.9
Reverse		L	3.1	3.2	3.1	3.2
	L	М	6.4	6.6	6.3	6.6
		Н	13.5	13.9	13.4	13.9
		L	5.2	5.4	5.2	5.4
	Н	М	10.6	11.0	10.6	11.0
		Н	22.5	23.2	22.4	23.3

The company reserves the right to change the specifications without notice.

Manual Transmission Type

(At rated engine rpm)

Model			L3240
Tire size (Re	ear)		12.4 - 24
Shuttle shift lever	Range gear shift lever	Main gear shift lever	km/h
Forward		1	1.6
	Low	2	2.3
	LOW	3	3.7
		4	5.3
		1	7.7
	High	2	11.0
	riigii	3	17.8
		4	26.3
Reverse		1	1.5
	Low	2	2.2
	2011	3	3.5
		4	5.1
		1	7.4
	High	2	10.5
	gri	3	17.0
		4	25.1

The company reserves the right to change the specifications without notice.

OPERATING THE TRACTOR

STARTING

Turn Signal / Hazard Light Switch

• Turn Signal Light Switch

To indicate a right turn, turn the turn signal light switch clockwise. To indicate a left turn, turn the turn signal light switch counter-clockwise. The corresponding right and left turn signal lights and indicator on the instrument panel will flash. Turn signal is active when key switch is in the "ON" position.

NOTE :

• Be sure to return switch to center position after turning.

Hazard Light Switch

When hazard light switch is pushed, the hazard lights flash along with the indicator on the instrument panel. Press the hazard light switch again to turn off the light.



(1) Hazard light switch(2) Turn signal light switch

(3) Hazard / Turn signal indicator

(A) "RIGHT TURN" (B) "LEFT TURN"

Horn Button

The horn will sound when the key switch is in the "ON" position and the horn button pressed.



(1) Horn button

(A) "PUSH"

■Tractor Lights

- (1) Head light
- (2) Side turn signal / Hazard light
- (3) Side marker light
- (4) Tail light
- (5) Rear turn signal / Hazard light
- (6) Brake stop light









HYDRAULIC UNIT

REMOTE HYDRAULIC CONTROL SYSTEM

The hydraulic auxiliary control valves can be installed up to triple segments.

Remote Control Valve

There are two types of remote valves available for these models.

- Double acting valve:
- Double acting valve with float position: This valve may be placed in the float mode with the control lever all the way forward. The cylinder is free to extend or retract, letting an implement such as a loader bucket follow the ground.
- Oceania model is equipped with double acting valve as standard.

-	
Models	Valve unit
L3240ROPS L3540ROPS	
L4240ROPS L5240ROPS L5740ROPS	1
L4240CAB L5240CAB L5740CAB	2

Remote Control Valve Lever

The remote control valve lever directs pressurized oil flow to the implement hydraulic system.





(1) Remote control valve lever with Double acting valve (1)(2) Remote control valve lever with Double acting valve (2)

Pressure ──> Returning ◀──						
Lever	· (1)	Х		Y		
Port	[A]	In	•		Out	\rightarrow
FOIL	[B]	Out	\rightarrow		In	-
Lever (2)		Х			Y	
Port	[C]	In	←		Out	\rightarrow
TOIL	[D]	Out	\rightarrow		In	←
				Coupler size		
Port [A] [B] [C] [D]			PT 1/2			

IMPORTANT:

- Do not hold the lever in the "REARWARD" or "FORWARD" position once the remote cylinder has reached the end of the stroke, as this will cause oil to flow through the relief valve. Forcing oil through the relief valve for extended periods will overheat the oil.
- When using the tractor hydraulic system to power front loader, do not operate boom and bucket cylinders simultaneously.

TIRES, WHEELS AND BALLAST

TIRES



To avoid personal injury:

- Do not attempt to mount a tire on a rim. This should be done by a qualified person with the proper equipment.
- Always maintain the correct tire pressure. Do not inflate tires above the recommended pressure shown in the operator's manual.

IMPORTANT:

- Do not use tires other than those approved by KUBOTA.
- When you intend to mount different size of tires from equipped ones, consult your dealer about front drive gear ratio for details.

Excessive wear of tires may occur due to improper gear ratio.

Inflation Pressure

Though the tire pressure is factory-set to the prescribed level, it naturally drops slowly in the course of time. Thus, check it everyday and inflate as necessary.

	Tire sizes	Inflation Pressure		
	12.4 - 24, 4PR	140 kPa (1.4 kgf/cm ²)		
	13.6 - 28, 4PR	150 kPa (1.5 kgf/cm ²)		
	13.6 - 24, 4PR	140 kPa (1.4 kgf/cm ²)		
Rear	14.9 - 24, 4PR	140 kPa (1.4 kgf/cm ²)		
	355/80 - D20, 4PR	100 kPa (1.0 kgf/cm ²)		
	44 x 18 - 20, 6PR	170 kPa (1.7 kgf/cm ²)		
	475/65 - D20, 6PR	140 kPa (1.4 kgf/cm ²)		
	7 - 16, 4PR	180 kPa (1.8 kgf/cm ²)		
	8 - 16, 4PR	160 kPa (1.6 kgf/cm ²)		
Front	9.5 - 16, 4PR	205 kPa (2.1 kgf/cm ²)		
1 ion	212/80 - D15, 4PR	160 kPa (1.6 kgf/cm ²)		
	29 x 12.00 - 15, 4PR	140 kPa (1.4 kgf/cm ²)		
	29 x 12.50 - 15, 4PR	140 kPa (1.4 kgf/cm ²)		

NOTE :

 Maintain the maximum pressure in front tires, if using a front loader or when equipped with a full load of front weights.

Dual Tires

Dual tires are not approved.

WHEEL ADJUSTMENT



To avoid personal injury:

- When working on slopes or when working with trailer, set the wheel tread as wide as practical for maximum stability.
- Support tractor securely on stands before removing a wheel.
- Do not work under any hydraulically supported devices. They can settle, suddenly leak down, or be accidentally lowered. If necessary to work under tractor or any machine elements for servicing or adjustment, securely support them with stands or suitable blocking beforehand.
- Never operate tractor with a loose rim, wheel, or axle.

Front Wheels (with 4 wheel drive)

Front tread can not be adjusted.

IMPORTANT :

- Do not turn front discs to obtain wider tread.
- When re-fitting or adjusting a wheel, tighten the bolts to the following torques then recheck after driving the tractor 200 m (200 yards) and 10 times of shuttle movement by 5 m (5 yards), and thereafter according to service interval.

(See "MAINTENANCE" section.)



(1) [L3240, L3540, L4240] 137 N-m (14 kgf-m) [L5240, L5740] 185 N-m (19 kgf-m)

NOTE :

 Wheels with beveled or tapered holes: Use the tapered side of lug nut.



	Models	L3240, L3540							
	Tires	7-16 Farm			212/80-D15 Turf				
	Tread	1150 mm			1180 mm				
	Models		L4240						
	Tires		8-16 Farm				29 x 12.50-15 Turf		
Tread	Tread		1145 mm				1280 mm		
	Models	L5240, L5740							
7/7/7/ 1AGAMAAAP392A	Tires			9.5-16 Farm		29 x 12.00-15 Turf	29 x 12.50-15 Turf		
	Tread			1340 mm		1415 mm	1425 mm		

Rear Wheels

Rear tread width can be adjusted as shown with the standard equipped tires.

To change the tread width

- 1. Remove the wheel rim and / or disk mounting bolts.
- 2. Change the position of the rim and / or disk (right and left) to the desired position, and tighten the bolts.

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Models	Tread IAGAMAAAP393A	Tread IAGAMAAAP394A	Tread IAGAMAAAP395A	Tread IAGAMAAAP396A
L3240, L3540 12.4-24 Farm	1200 mm	1300 mm	1385 mm	1480 mm
L4240 13.6-24 Farm		1285 mm	1435 mm	1530 mm
L4240 14.9-24 Farm		1285 mm	1435 mm	1530 mm
L5240, L5740 13.6-28 Farm	1225 mm	1325 mm	1425 mm	1525 mm

Models	Tread TAGAMAAAP397A
L3240, L3540 355 / 80-D20 Turf	1290 mm
L5240, L5740 475 / 65-D20 Turf	1415 mm
L4240, L5240, L5740 44 x 18-20 Turf	1415 mm

IMPORTANT :

- Always attach wheels as shown in the drawings.
- If not attached as illustrated, transmission parts may be damaged.
- When re-fitting or adjusting a wheel, tighten the bolts to the following torques then recheck after driving the tractor 200 m (200 yards) and 10 times of shuttle movement by 5 m (5 yards), and thereafter according to service interval.

(See "MAINTENANCE" section.)



(1) 215 N-m (22 kgf-m)

PERIODIC SERVICE

SERVICE AS REQUIRED

Replacing Fuse

The tractor electrical system is protected from potential damage by fuses.

A blown fuse indicates that there is an overload or short somewhere in the electrical system.

If any of the fuses should blow, replace with a new one of the same capacity.

IMPORTANT:

 Before replacing a blown fuse, determine why the fuse blew and make any necessary repairs. Failure to follow this procedure may result in serious damage to the tractor electrical system. Refer to the "TROUBLESHOOTING" section of this manual or your local KUBOTA Dealer for specific information dealing with electrical problems.







Protected circuit

Fuse Capacity		Protected circuit	ROPS		CAB
No.	(A)		HST	MT	HST
(1)	7.5	Alternator	0	0	0
(2)	15	Head lights	0	0	0
(3)	15	Hazard	0	0	
(0)	20	Hazard			0
(4)	5	Panel	0	0	0
(5)	5	T/M Controller 1	0		0
(6)	10	Work light	0	0	
(0)	15	Work light			0
(7)	5	Brake lamp switch	0	0	
(8)	10	T/M Controller 2	0		0
(0)		OPC Controller		0	
(9)	5	Key stop	0	0	0
(10)	30	Starter relay	0	0	0
(11)	10	Dome lamp			0
(12)	20	Aircon blower			0
(13)	5	Radio cassette			0
(14)	20	Cigar lighter			0
(15)	7.5	Aircon compressor			0
(16)	30	Wiper			0
(17)	15	Flasher			0
(18)	30	Defogger			0
(19)	Slow blow	Check circuit against wrong battery	0	0	0

Replacing Light Bulb

Light	Capacity		
Light	ROPS	CAB	
Head light	35W / 35W		
Tail light	8W		
Hazard and Turn signal light (rear)	23W		
Hazard and Turn signal light (front)		23W	
Room light		10W	
Work light		35W	
Instrument panel light	1.1W		
Brake stop light	23W		