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MANUAL PREVIEW

Kubota
Operator's Manual
L175

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KU-O-L175

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KUBOTA

TRACTOR

MODELS L175

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Specification

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■ Engine

Model	KUBOTA Z750-A (For U.S.A) KUBOTA Z750-AW (For North Europe)
type	Vertical, water cooled 4 cycle diesel engine
Number of cylinders	2
Bore & Stroke	3"X3 $\frac{15}{64}$ " (76X82mm)
Total displacement	45.3 Cu. in. (743cc)
Horse power	17HP
Rated rpm	2800 rpm
Starting system	Electric starter with battery, glow plug and decompression device
Lubricating	Forced lubrication by trochoidal pump
Cooling	With pressurized radiator

■ Capacities

Radiator	1.4 Gallons (5.3 Lits) (For U.S.A) 1.8 Gallons (6.6 Lits) (For North Europe)
Engine crankcase	3.7 Quarts (3.5 Lits)
Transmission	23 Quarts (22 Lits)
Steering box	0.3 Quarts (0.3 Lits)
Fuel tank	6.8 Gallons (22 Lits)

■ Lubricants

Engine crankcase	Engine oil DS Above 77°F (25°C) / SAE 30 Between 32°-77°F (0°-25°C) / SAE 20 Below 32°F (0°C) / SAE 10W, 10W-30
Transmission	Gear oil SAE 80
Steering box	Gear oil SAE 90

■ Travel Speeds

			at rated engine rpm, with 13.6-16 R-3 tires
Forward	1st	0.67 mph	(1.08km/h)
	2nd	0.96	(1.54)
	3rd	1.32	(2.13)
	4th	1.95	(3.14)
	5th	3.71	(5.97)
	6th	5.29	(8.51)
	7th	7.38	(11.88)
	8th	11.85	(19.10)
Reverse	1st	1.24	(1.99)
	2nd	6.83	(11.00)

■ Clutch

Dry single plate

■ Steering

Ball screw type

■ Transmission

Gear shift type
(8 Forward, 2 Reverse)

■ Brake

Single
right and left independent with
interlocking device

■ PTOsystem

SAE 1 $\frac{3}{8}$ " Clockwise from rear
2 speeds at rated engine rpm

1st	597 rpm
2nd	1185 rpm

■ Fuel

Type of fuel

No. 2 diesel fuel

■ Dimensions

Over-all length	94 $\frac{1}{2}$ in. (2400 mm)
Over-all width	56 in. (1420 mm) w. 13.6-16
	47 $\frac{5}{8}$ in. (1210 mm) w. 8.3/8-24
Over-all height	50 $\frac{3}{4}$ in. (1290 mm)
	81 $\frac{3}{4}$ in. (2075 mm) (Muffler) (For North Europe)
Wheel base	59 in. (1500 mm)
Wheel tread	
Front (20X8.00-10)	38 $\frac{1}{2}$ in. (970 mm)
Front (4.00-12)	38 $\frac{1}{4}$ in. (970 mm)
Rear (13.6-16)	42 $\frac{1}{2}$ in. (1080 mm)
Rear (8.3/8-24)	39 $\frac{3}{8}$ in. (1000 mm)
Ground clearance	13 in. (330 mm)
Weight	1500 lbs. (675 kg)

■ Tire sizes

L175T	Rear	13.6-16, R-3
L175T	Front	20X8.00-10
L175F	Rear	8.3/8-24, R-1
L175F	Front	4.00-12

(Specifications and design subject to change without notice)

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CAUTIONS;

Removal and Installation of Fuel Injection Pump.

- * When the injection pump has been removed and is to be re-installed, make sure that the rack pin of the injection pump is fitted correctly into the groove of the fork lever (1) (groove width is 5mm). Then tighten the set nuts.
- * If the set nuts are forced tight with the rack pin not correctly fitted into the groove of the fork lever (1), the rack would become stuck. Then, the fuel supply cannot be controlled and the speed of the engine will increase abnormally. This causes engine trouble, so be very careful when installing the injection pump.
- * It should be added that the injection pump used for this model is an improved type, different from the conventional Model "K" Bosch type. So be sure to ask your nearest KUBOTA dealer for repairs.

■ Air cleaner

1. This air cleaner is dry element type, therefore the oil is not needed.
2. Empty dust cup.
Dust level should not be allowed to build up to more than half from bottom in dust cup baffle.
Remove foreign material such as leaves from around filter and tighten wing bolt, if necessary.
3. Install the dust cup to the air cleaner so as the mark on the cover of the cup directs upward.
4. Clean the element every 100–200 hours of operation.
Direct dry, clean air up and down pleats on the clean air side of the filter.

Caution: Air pressure at nozzle must not exceed 100psi. Maintain reasonable distance between nozzle and the filter.

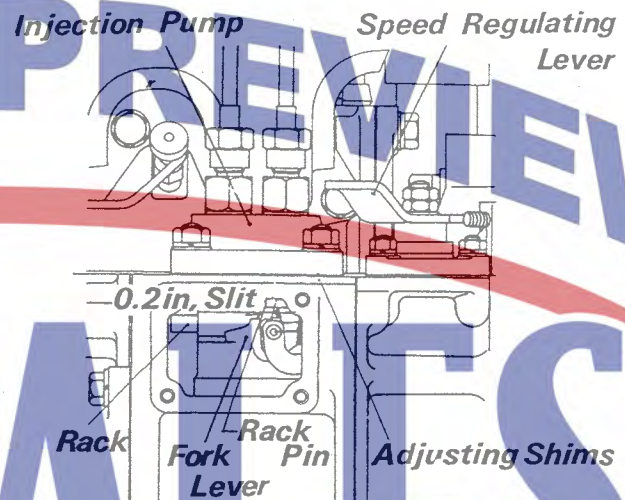
To wash filter use KUBOTA Filter or Donaldson D-1400 Filter Cleaner which is especially effective with oily and soot-laden filters.

To Use: Dissolve KUBOTA Filter Cleaner in a concentrated solution of cold water. When granules are thoroughly mixed. Add water to make a solution equivalent to 2 oz. KUBOTA Filter Cleaner for each 1 gallon of water. Allow element to soak 15 minutes. Then agitate element to dislodge loosened dust—rinse in clear water—allow element to dry.

5. Filter should be replaced 6 cleanings or annually.

CAUTIONS;

Never run engine with filter element removed.



Structure of Air Cleaner

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■ Troubles and countermeasures

Condition of Battery	Cause of Trouble	Measures	Precaution
	Battery over-used until light becomes dim Charging of battery neglected	Charge for long period by ordinary charging method until gas develops amply.	Do not overuse the battery and charge before fully discharged. (Refrain from overdischarging)
Starter does not function	Defective Alternator, rectifier.	Repair Alternator and replace defective rectifier. Charge battery well.	Check Alternator, rectifier.
	Defective terminal contacts	Wash terminal with hot water and tighten well.	Keep terminals clean, tighten well and grease to prevent corrosion.
	Life of battery expired	Replace battery	
From beginning, starter does not function, and lights become dim quickly.	Battery not charged well	Charge battery for long period by ordinary charging method.	Charge battery well before using.
Upper part of battery plates while when seen from hole in top.	Battery used with shortage of electrolyte.	Add distilled water and charge battery	Make routine checks of electrolyte
	Battery over-used. Moreover, charging was neglected. (Refrain from over-discharging.)	Charge for a long period.	Do not overuse the battery and before fully discharged.
	Defective Alternator rectifier. Defective terminal contacts causing sulphation of electrodes.	Check Alternator and rectifier and charge for long period by ordinary charging method.	Make routine checks of Alternator, rectifier and terminals.
Battery cannot be charged, even if tried.	The current of the Alternator during operation is too large causing electrodes to drop, bend or short-circuit.	Decrease the charging current of Alternator. Repair or exchange defective battery.	Be careful of charging current of Alternator.
	Life of battery expired.	Exchange battery.	
Corrosion of terminals severe and terminals heated.	Contact of terminals defective, terminals dirty.	Wash terminals and tighten well.	Keep terminals clean and well tightened. Apply grease to prevent corrosion.
	Current of the Alternator during operation is too large.	Adjust charging current of Alternator.	Be careful of charging current of Alternator.
Electrolyte decrease rapidly	Tractor being used in hot places.	Devise ways so temperature would not rise.	Be careful temperature does not rise.
	Storage battery cracked or has small holes.	Replace battery	Secure battery to tractor so it would not move.

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