

# Information and Instructions

This shop manual contains several sections each covering a specific group of wheel type tractors. The Tab Index on the preceding page can be used to locate the section pertaining to each group of tractors. Each section contains the necessary specifications and the brief but terse procedural data needed by a mechanic when repairing a tractor on which he has had no previous actual experience.

Within each section, the material is arranged in a systematic order beginning with an index which is followed immediately by a Table of Condensed Service Specifications. These specifications include dimensions, fits, clearances and timing instructions. Next in order of arrangement is the procedures paragraphs.

In the procedures paragraphs, the order of presentation starts with the front axle system and steering and proceeding toward the rear axle. The last paragraphs are devoted to the power take-off and power lift systems. Interspersed where needed are additional tabular specifications pertaining to wear limits, torquing, etc.

## HOW TO USE THE INDEX

Suppose you want to know the procedure for R&R (remove and reinstall) of the engine camshaft. Your first step is to look in the index under the main heading of ENGINE until you find the entry "Camshaft." Now read to the right where under the column covering the tractor you are repairing, you will find a number which indicates the beginning paragraph pertaining to the camshaft. To locate this wanted paragraph in the manual, turn the pages until the running index appearing on the top outside corner of each page contains the number you are seeking. In this paragraph you will find the information concerning the removal of the camshaft.

# SHOP MANUAL

# KUBOTA

## Models L175-L210-L225-L225DT-L260

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## DUAL DIMENSIONS

This service manual provides specifications in both the U.S. Customary and Metric (SI) systems of measurement. The first specification is given in the measuring system perceived by us to be the preferred system when servicing a particular component, while the second specification (given in parenthesis) is the converted measurement. For instance, a specification of "0.011 inch (0.28 mm)" would indicate that we feel the preferred measurement, in this instance, is the U.S. system of measurement and the metric equivalent of 0.011 inch is 0.28 mm.

## CONDENSED SERVICE DATA

<b>GENERAL</b>	L175	L210	L225	L225DT	L260
Engine Make .....	Own	Own	Own	Own	Own
Engine Model .....	Z750-A	Z1100A	D1100A	D1100A	Z1300
Number of Cylinders .....	2	2	3	3	2
Bore (mm) .....	76	88	76	76	90
(Inches) .....	3	3-15/32	3	3	3-17/32
Stroke (mm) .....	82	88	82	82	100
(Inches) .....	3-7/32	3-15/32	3-7/32	3-7/32	3-15/16
Displacement (cc) .....	743	1070	1115	1115	1272
(Cubic Inches) .....	45.3	65.3	68.3	68.3	77.7
Compression Ratio .....	21:1	20:1	21:1	21:1	21.5:1
<b>TUNE-UP</b>					
Valve Tappet Gap (Cold) (mm) .....	0.18-0.22	0.20-0.25	0.18-0.22	0.18-0.22	0.20-0.25
(Inch) .....	0.007-0.009	0.008-0.010	0.007-0.009	0.007-0.009	0.008-0.010
Injection Timing (BTDC) .....	25°	24°	25°	25°	20°
Timing Mark Location .....	Flywheel	Flywheel	Flywheel	Flywheel	Flywheel
Injection Pressure (MPa) .....	13.8	13.8	13.8	13.8	11.73
(PSI) .....	2000	2000	2000	2000	1700

# SHOP MANUAL

# KUBOTA

## MODELS

**B5100D – B5100E – B6100D – B6100E – B6100HST-D –  
B6100HST-E – B7100D – B7100HST-D – B7100HST-E**

On Models B5100D, B5100E, B6100D, B6100E and B7100D, tractor serial number is located on left side of clutch housing case as shown below.

On Models B6100HST-D, B6100HST-E, B7100HST-D and B7100HST-E, tractor serial number is located on left side of clutch housing case as shown below.

On all models, engine serial number is located on right side of engine crankcase as shown below.



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## DUAL DIMENSIONS

This service manual provides specifications in both the U.S. Customary and Metric (SI) systems of measurement. The first specification is given in the measuring system perceived by us to be the preferred system when servicing a particular component, while the second specification (given in parenthesis) is the converted measurement. For instance, a specification of "0.28 mm (0.011 inch)" would indicate that we feel the preferred measurement, in this instance, is the metric system of measurement and the U.S. system equivalent of 0.28 mm is 0.011 inch.

## CONDENSED SERVICE DATA

MODELS	B5100D B5100E	B6100D B6100E	B6100HST-D B6100HST-E	B7100D	B7100HST-D B7100HST-E
<b>GENERAL</b>					
Engine Make.....	Own	Own	Own	Own	Own
Engine Model.....	Z500-1A	D650-A	D650-AH	D750-A	D750-AH
Number of Cylinders.....	2	3	3	3	3
Bore (mm).....	68	64	64	68	68
(Inches).....	2-5/8	2-1/2	2-1/2	2-5/8	2-5/8
Stroke (mm).....	70	70	70	70	70
(Inches).....	2-3/4	2-3/4	2-3/4	2-3/4	2-3/4
Displacement (cc).....	508	675	675	762	762
(Cubic Inches).....	31	41.2	41.2	46.5	46.5
Compression Ratio.....	22:1	22:1	22:1	22:1	22:1
<b>TUNE-UP</b>					
Valve Tappet Gap (Cold) (mm).....	0.15-0.20	0.15-0.20	0.15-0.20	0.15-0.20	0.15-0.20
(Inch).....	0.006-0.008	0.006-0.008	0.006-0.008	0.006-0.008	0.006-0.008
Injection Timing (BTDC).....	25°	25°	25°	25°	25°
Timing Mark Location.....	Flywheel	Flywheel	Flywheel	Flywheel	Flywheel
Injection Pressure (MPa).....	13.7	13.7	13.7	13.7	13.7
(PSI).....	1988	1988	1988	1988	1988
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Volts.....	12	12	12	12	12
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## Models

L185-L235-L245-L275-L285-L295-L305-L345-L355

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