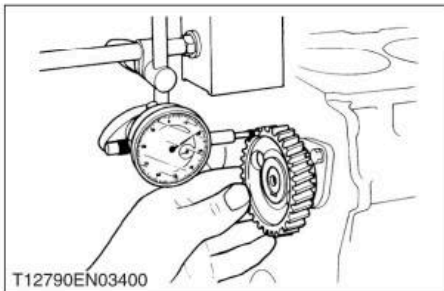


WSM

WORKSHOP MANUAL
TRACTOR

L4300

Kubota



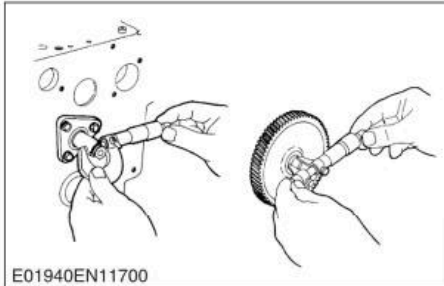
T12790EN03400

Camshaft Side Clearance

1. Set a dial indicator with its tip on the camshaft.
2. Measure the side clearance by moving the cam gear to the front and rear.
3. If the measurement exceeds the allowable limit, replace the camshaft stopper.

Camshaft side clearance	Factory spec.	0.07 to 0.22 mm 0.0028 to 0.0087 in.
	Allowable limit	0.3 mm 0.0118 in.

W1030012



E01940EN11700

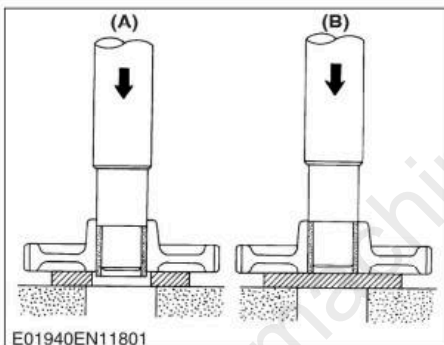
Oil Clearance between Idle Gear Shaft and Idle Gear Bushing

1. Measure the idle gear shaft O.D. with an outside micrometer.
2. Measure the idle gear bushing I.D. with an inside micrometer, and calculate the oil clearance.
3. If the oil clearance exceeds the allowable limit, replace the bushing.

Clearance between idle gear shaft and idle gear bushing	Factory spec.	0.025 to 0.066 mm 0.00098 to 0.00260 in.
	Allowable limit	0.1 mm 0.0039 in.

Idle gear shaft O.D.	Factory spec.	37.959 to 37.975 mm 1.49445 to 1.49508 in.
Idle gear bushing I.D.	Factory spec.	38.000 to 38.025 mm 1.49606 to 1.49704 in.

W1030933



E01940EN11801

Replacing Idle Gear Bushing

(A) (When removing)

1. Using an idle gear bushing replacing tool (see page G-35), press out the used bushing.

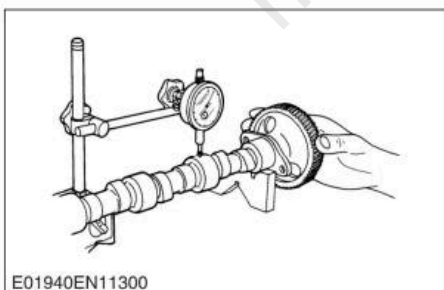
(B) (When installing)

1. Clean a new idle gear bushing and idle gear bore, and apply engine oil to them.
2. Using an idle gear bushing replacing tool, press in a new bushing (service parts) to the specified dimension. (See figure.)

(A) When removing

(B) When installing

W1031083



E01940EN11300

Camshaft Alignment

1. Support the camshaft with V blocks on the surface plate at both end journals.
2. Set a dial indicator with its tip on the intermediate journal.
3. Measure the camshaft alignment.
4. If the measurement exceeds the allowable limit, replace the camshaft.

Camshaft alignment	Allowable limit	0.01 mm 0.0004 in.
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W1031413

3. TIGHTENING TORQUES

Tightening torques of screws, bolts and nuts on the table below are especially specified.
(For general use screws, bolts and nuts : See page G-9.)

Item	N-m	kgf-m	ft-lbs
Power steering main delivery hose retaining nut to controller	46.6 to 50.9	4.8 to 5.2	34.4 to 37.6
Turning delivery hoses retaining nut	24.5 to 29.4	2.5 to 3.0	18.1 to 21.7
Joint bolt for delivery pipe and front hydraulic block	49.0 to 58.8	5.0 to 6.0	36.2 to 43.4
Joint bolt for PTO delivery pipe and regulator valve	34.3 to 39.2	3.5 to 4.0	25.3 to 28.9
Joint bolt (with orifice) for PTO valve	34.3 to 39.2	3.5 to 4.0	25.3 to 28.9
Joint bolt for power steering delivery hose and regulator valve	49.0 to 58.8	5.0 to 6.0	36.2 to 43.4
Joint bolt for delivery pipe and hydraulic pump	39.3 to 49.0	4.0 to 5.0	29.0 to 36.2
Regulator valve mounting screws	17.6 to 20.6	1.8 to 2.1	13.0 to 15.2
Regulator valve			
Joint bolt	49.0 to 58.8	5.0 to 6.0	36.2 to 43.4
Plate	9.8	1.0	7.2
Regulator valve case and regulator support mounting screw	9.8	1.0	7.2
Engine and clutch housing case mounting			
Screws and nuts	77.5 to 90.2	7.9 to 9.2	57.1 to 66.5
Stud bolts	39.2 to 49.0	4.0 to 5.0	28.9 to 36.2
Clutch housing case and mid case mounting			
Screws	77.5 to 90.2	7.9 to 9.2	57.1 to 66.5
Nuts	102.9 to 117.6	10.5 to 12.0	76.9 to 86.8
Stud bolts	39.2 to 49.0	4.0 to 5.0	28.9 to 36.2
Main shift base mounting screws	23.5 to 27.4	2.4 to 2.8	17.4 to 20.2
Main shift arm setting screw	9.8 to 11.3	1.00 to 1.15	7.2 to 8.3
Gear shaft case mounting screws	23.5 to 27.4	2.4 to 2.8	17.4 to 20.2
Release fork setting screws	23.5 to 27.4	2.4 to 2.8	17.4 to 20.2
Clutch housing bearing holder mounting screws	48.1 to 55.9	4.9 to 5.7	35.4 to 41.2
Stopper screw	39.2 to 44.1	4.0 to 4.5	28.9 to 32.5
Mid case and transmission case mounting			
Screws, nuts	77.5 to 90.2	7.9 to 9.2	57.1 to 66.5
Stud bolts	39.2 to 49.0	4.0 to 5.0	28.9 to 36.2
Independent PTO valve mounting screws	23.5 to 27.4	2.4 to 2.8	17.4 to 20.2
Mid case bearing holder mounting screws	48.1 to 55.9	4.9 to 5.7	35.4 to 41.2
Independent PTO brake plate mounting screws	9.8 to 11.2	1.00 to 1.15	7.2 to 8.3
Rear PTO bearing case mounting lock nut	147 to 196	15 to 20	108 to 145
Rear PTO bearing case mounting screws	23.5 to 27.5	2.4 to 2.8	17.4 to 20.3
Differential support mounting screws	48.1 to 55.9	4.9 to 5.7	35.5 to 41.2
Differential case cover mounting screws	48.1 to 55.9	4.9 to 5.7	35.5 to 41.2
Spiral bevel gear UBS screws	68.6 to 88.3	7.0 to 9.0	50.6 to 65.1
Hydraulic cylinder assembly mounting			
Stud bolt	34.3 to 49.0	3.5 to 5.0	25.3 to 36.2
Screws, nuts	77.4 to 90.2	7.9 to 9.2	57.1 to 66.5
Rear axle case mounting			
M10 screws	48.1 to 55.9	4.9 to 5.7	35.4 to 41.2
M10 nuts	60.8 to 70.5	6.2 to 7.2	44.9 to 52.1
M12 screws and nuts	77.5 to 90.2	7.9 to 9.2	57.1 to 66.5
Stud bolts	24.5 to 31.4	2.5 to 3.2	18.1 to 23.1
Rear wheel mounting screws and nuts	197 to 226	20 to 23	145 to 166
Brake case mounting			
Stud bolts	38.2 to 45.1	3.9 to 4.6	28.2 to 33.3
Screws, and nuts	77.5 to 90.2	7.9 to 9.2	57.1 to 66.5
Lever shaft screw	62.8 to 72.5	6.4 to 7.4	46.3 to 53.5

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SERVICING

CONTENTS

1. TROUBLESHOOTING	5-S1
2. SERVICING SPECIFICATIONS	5-S2
3. TIGHTENING TORQUES	5-S3
4. CHECKING, DISASSEMBLING AND SERVICING.....	5-S4
[1] BRAKE PEDAL	5-S4
(1) Checking and Adjusting	5-S4
(2) Servicing	5-S5
[2] BRAKE CASE	5-S5
(1) Disassembling and Assembling	5-S5
(2) Servicing	5-S8

SERVICING

CONTENTS

1. TROUBLESHOOTING	8-S1
2. SERVICING SPECIFICATIONS	8-S2
3. TIGHTENING TORQUES	8-S3
4. CHECKING, DISASSEMBLING AND SERVICING.....	8-S4
[1] HYDRAULIC PUMP	8-S4
(1) Checking	8-S4
(2) Disassembling and Assembling	8-S6
(3) Servicing	8-S8
[2] POSITION CONTROL AND DRAFT CONTROL LINKAGE.....	8-S9
(1) Checking and Adjusting	8-S9
(2) Disassembling and Assembling	8-S11
[3] RELIEF VALVE	8-S13
(1) Checking and Adjusting	8-S13
(2) Disassembling and Assembling	8-S13
[4] HYDRAULIC CYLINDER AND POSITION CONTROL VALVE	8-S14
(1) Disassembling and Assembling	8-S14

Full Version Available

Kubota L4300 Tractor Workshop Manual

This is a short preview. The complete manual contains all chapters, wiring diagrams, torque specifications and full service procedures.

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