

TO THE READER

This supplement shows the altered points of T1760 from T1560. As for the items which are not explained in this supplement, refer to the T1460-T1560 Workshop Manual (Code No.: 97897-11740). Complete and proper service of T1760 requires both this supplement and T1460-T1560 Workshop Manual.

Please note the page number with the mark "*" shows the page number of T1460-T1560 Workshop Manual.

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 '95

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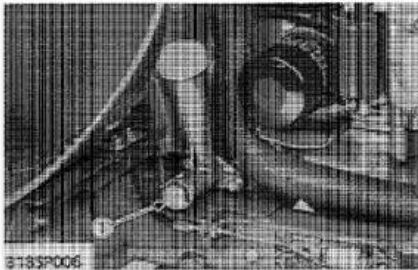
■ **NOTE**

- After adjusting the valve clearance, secure the adjusting screw with the lock nut.

Intake and exhaust valve clearance (Cold)	Factory spec.	0.15 mm 0.0059 in.
Tightening torque	Lock nut	8.8 N·m 0.9 kgf·m 6.5 ft-lbs

DISASSEMBLING AND ASSEMBLING

(1) Separating Engine



Dismounting Mower

1. See page 9-6.

Draining Engine Oil

1. Place an oil pan underneath the drain plug.
2. Unscrew the drain plug (1), and drain engine oil.

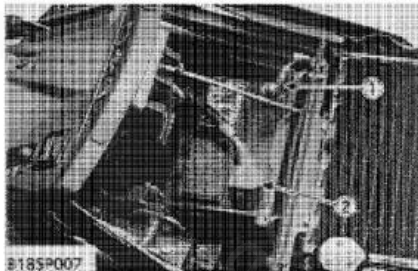
(When reassembling)

■ **IMPORTANT**

- Use the specified engine oil.
Refer to "LUBRICANTS AND FUEL". (See page G-2.)

Tightening torque	Drain plug	24.5 N·m 2.5 kgf·m 18.1 ft-lbs
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(1) Drain Plug



Battery Cable and High Tension Cord

⚠ **CAUTION**

- When disconnecting the battery cables, disconnect the negative cable from the battery first.
When connecting, connect the positive cable to the battery first.

1. Turn the main switch off, and remove the intake cover.
2. Disconnect the negative cable (1) from the battery.
3. Disconnect the positive cable (2) from the battery.
4. Disconnect the high tension cord from the spark plug.

(1) Negative Cable

(2) Positive Cable



Bonnet

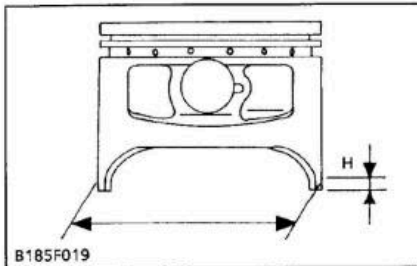
1. Unscrew four knob screws (3), and remove the lower bonnet (4).
2. Disconnect four 1P connectors (2) from the head lights.
3. Remove the upper bonnet (1) with the bracket.

(1) Upper Bonnet

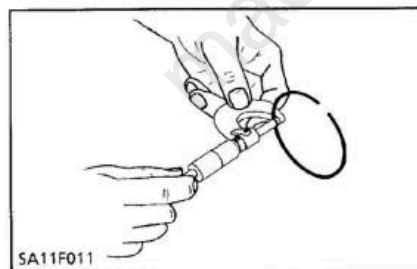
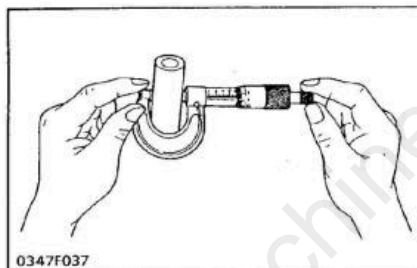
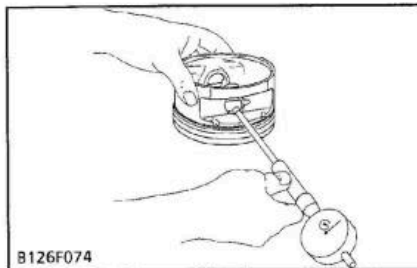
(3) Knob Screw

(2) 1P Connector

(4) Lower Bonnet

(3) Piston and Piston Ring

H: 13.50 mm (0.531 in.)

**Piston Skirt O.D.**

1. Measure the piston skirt O.D. shown in figure with an outside micrometer.
2. If the measurement is less than the allowable limit, replace the piston.

Piston skirt O.D.	Allowable limit	66.950 mm 2.6358 in.
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(Reference)

- Oversize piston

Oversize piston skirt O.D.	0.25 OS	Allowable limit	67.200 mm 2.6457 in.
	0.50 OS	Allowable limit	67.450 mm 2.6555 in.

Piston Pin Hole I.D.

1. Measure the piston pin hole I.D. in both the vertical and horizontal directions with a cylinder gauge.
2. If the measurement exceeds the allowable limit, replace the piston.

Piston pin hole I.D.	Allowable limit	16.040 mm 0.6315 in.
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Piston Pin O.D.

1. Measure the piston pin O.D. with an outside micrometer.
2. If the measurement is less than the allowable limit, replace it.

Piston pin O.D.	Allowable limit	15.980 mm 0.6291 in.
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Piston Ring Thickness

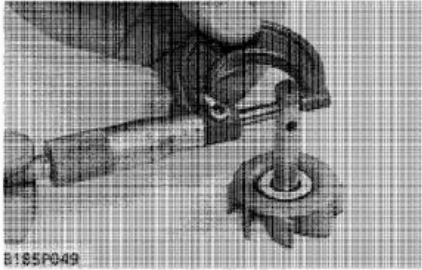
1. Measure the piston ring thickness with an outside micrometer.
2. If the measurement is less than the allowable limit, replace it.

■ NOTE

- The oil ring is a three piece assembled ring, difficult to measure the thickness, visual inspection only.

Top compression ring thickness	Allowable limit	1.200 mm 0.0472 in.
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SERVICING

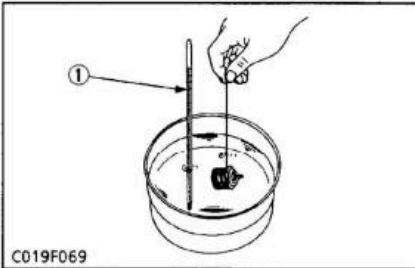


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Pump Shaft End O.D.

1. Measure the pump shaft end O.D. with an outside micrometer.
2. If the measurement is less than the allowable limit, replace the pump shaft.

Pump shaft end O.D.	Allowable limit	9.935 mm 0.3911 in.
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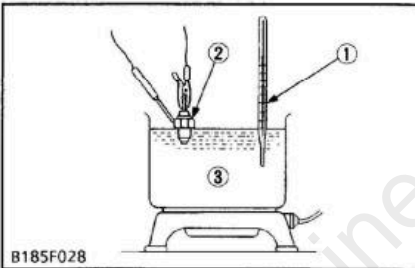
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(1) Thermometer

Thermostat Valve Opening Temperature

1. Suspend the thermostat in the water by a string with its end inserted between the valve and the seat.
2. Heating the water gradually, read the temperature when the valve opens and leaves the string.
3. Continue heating and read the temperature when the valve is fully opened to approx. 7 mm (0.28 in.).
4. If the measurement is not within the factory specifications, replace the thermostat.

Opening temperature	Factory spec.	63 to 66°C (145 to 150°F) at beginning, 80°C (176°F) at 7 mm (0.28 in.) of opening
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(1) Thermometer
(2) Thermo Switch

(3) Coolant

Thermo Switch Operating Temperature

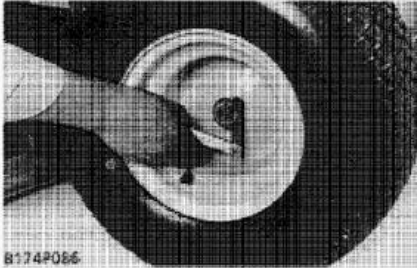
1. Using circuit tester, check the conduction between the lead and body of the thermostat.
2. Suspend the thermo switch in the coolant so that the temperature sensing projection and threaded portion are submerged.
3. Heating the coolant gradually, read the temperature when the conduction between the switch lead and body changes.
4. If the measurement is not within the factory specifications, replace the thermo switch.

Operating temperature	Factory spec.	108 to 114°C (226 to 237°F) from OFF to ON during temperature rising. 101 to 107°C (214 to 225°F) from ON to OFF during temperature falling.
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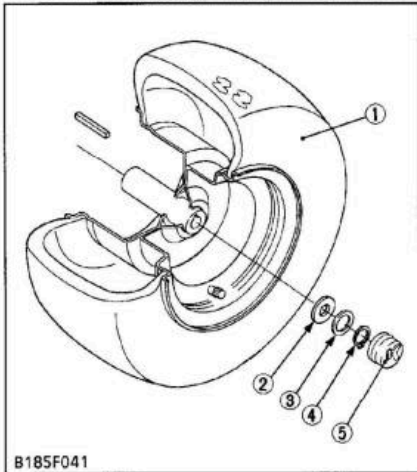
Flushing Cooling System**NOTE**

- Over a period of time, the cooling system accumulates rust, scale and lime. When this accumulation is suspected or observed, flush the cooling system.

1. Drain the coolant and fill the fresh water with a flushing compound (which should not be harmful to the aluminum engine and radiator).
2. Warm up the engine and run it about 10 minutes, then drain the cooling system.
3. Fill the fresh water and warm up the engine, then drain the cooling system.
4. Repeat the procedure "3" once more.
5. Fill the system with a permanent type coolant.

SERVICING

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Clearance between Plain Washer and Retaining Ring

1. Lift up the rear of vehicle with a jack.
2. Remove the rear wheel cap (5).
3. Measure the clearance between plain washer (3) and retaining ring (4).
4. If the measurement exceeds the allowable limit, adjust the clearance by changing the plain washer.

Clearance between plain washer and retaining ring	Allowable limit	0.76 mm 0.030 in.
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(Reference)

- Thickness of plain washer : 0.64 mm (0.025 in.)
1.22 mm (0.048 in.)
1.91 mm (0.075 in.)
2.95 mm (0.116 in.)

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|------------------|--------------------|
| (1) Rear Wheel | (4) Retaining Ring |
| (2) Cap Washer | (5) Rear Wheel Cap |
| (3) Plain Washer | |

Full Version Available

Kubota T1760 Lawn Tractor Workshop Manual

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

VIEW THE FULL MANUAL

<https://machinecatalogic.com/kubota-t1760-lawn-tractor-workshop-manual/>