OPERATOR'S MANUAL

BELT BP87 DAYCO

KUBOTA

DIESEL LAWN AND GARDEN TRACTOR

Mower
Model- RC-44-G
Serial No. 16861

MODEL G6200H
G5200H
G4200H
G4200
G3200

3.2 Qts.
Engine oil
with Filter



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KUBOTA

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1. ⚠ FOR SAFE OPERATION

1. BEFORE STARTING

(1) Read this OPERATOR'S MANUAL and instructions furnished with attachments before attempting to start and operate the tractor.

(2) Know the controls and how to stop quickly.

(3) Read and observe the safety decals on the tractor and equipment.

(4) Always wear well fitted, belted clothing when operating tractor. Loose clothing should not be worn because of danger of catching them in moving parts or controls.

(5) Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.

(6) Do not carry passengers. Do not mow when children and others are around.

(7) Clear the work area of objects (wires, rocks, etc.) that might be picked up and thrown.

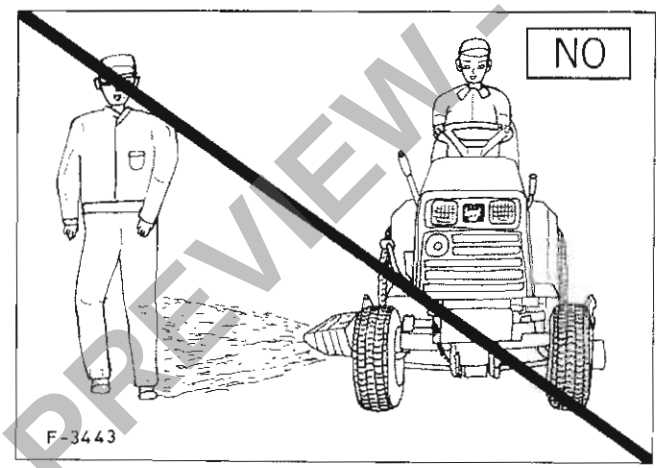
2. OPERATION

(1) Sit in the operator's seat, disengage all attachment clutches and shift into neutral before attempting to start the engine.

(2) Watch where you are going at all times. Watch for and avoid obstacles.

(3) Do not operate where machine could tip or slip.

(4) When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.



(5) Mow only in daylight or in good artificial light.

(6) Be sure blade and engine are stopped before placing hands or feet near blade.

(7) Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.

(8) Shut the engine off and wait for all movement to stop when removing grass catcher or unclogging chute.

(9) Know what is behind you and disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after observation of the entire area behind the mower.

(10) Always back-up when going up a slope. Driving forward could cause the tractor to tip over backward. Stay off hills and slopes too steep for safe operation.

(11) Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes: never across the face.

(12) If machine stops going uphill, stop blade and back slowly down.

(13) Reduce speed and exercise extreme caution on slopes and in sharp turns to prevent tipping or loss of control. Be especially cautious when changing direction on slopes.

(14) Stay alert for holes in the terrain and other hidden hazards. Keep away from drop-offs.

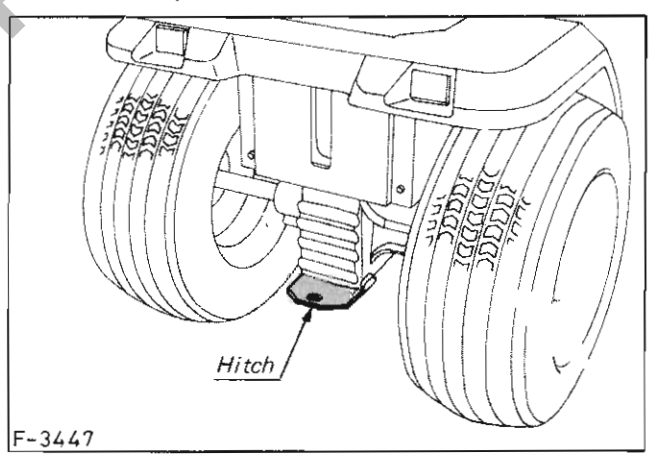
(15) Use care when pulling loads.

a. Use only approved hitch points.

b. Limit loads to those you can safely control.

c. Do not turn sharply. Use care when backing.

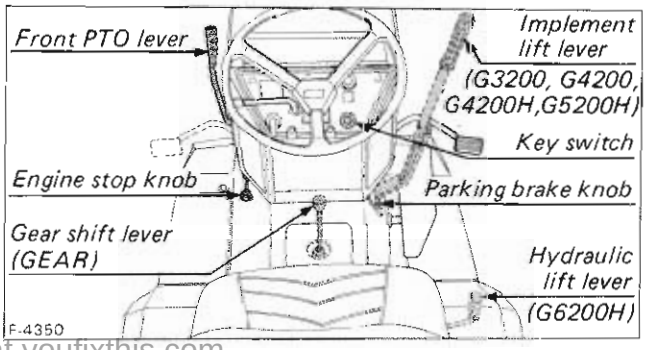
d. Use front ballast or wheel weights when suggested in this operator's manual.



(16) Watch out for traffic when crossing or near roadways.

(17) Disengage power to attachment(s) and stop the engine before leaving the operator's position.

(18) Take all possible precautions when leaving the vehicle unattended, by disengaging the power take-off, lowering the attachment(s), shifting into neutral, setting the parking brake, stopping the engine and removing the key.



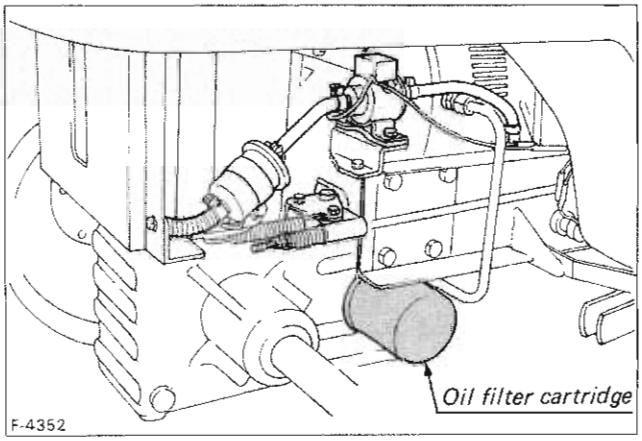
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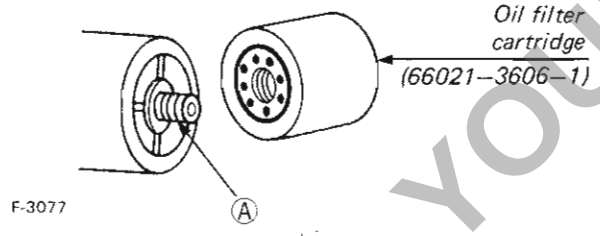
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- **Transmission Oil Filter Cartridge Change (HST)**

CAUTION:
- **Be sure to stop the engine before changing the oil filters.**

(1) The oil filter cartridge must be changed every 200 service hours.



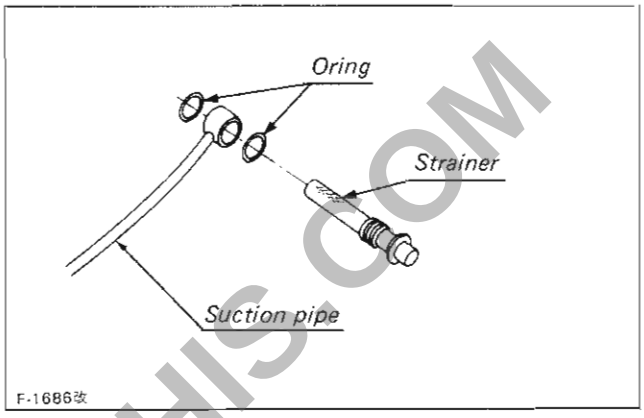


(2) Remove the oil filter cartridge by using the filter wrench.
(3) Lightly tighten the screw Ⓐ by using a screwdriver.
(4) Apply a slight coat of oil onto the cartridge gasket.
(5) To install the new cartridge, screw it in by hand. Over tightening may cause deformation of rubber gasket.
(6) After the new cartridge has been replaced, the transmission fluid level normally lowers a little. Add fluid to proper level. Check for oil leaks around filter gasket.

IMPORTANT:
(1) To prevent serious damage to a hydraulic system, replacement filter must be a highly efficient, 10 μm filter. Use only a genuine KUBOTA filter or its equivalent.
(2) When using the auxiliary hydraulics, replace the transmission oil filter after initial 50 service hours.

■ Cleaning Hydraulic Oil Strainers (HST)

When changing the transmission fluid, disassemble and clean completely the oil strainers with kerosene. Use care when reassembling to avoid damage to the strainer parts.

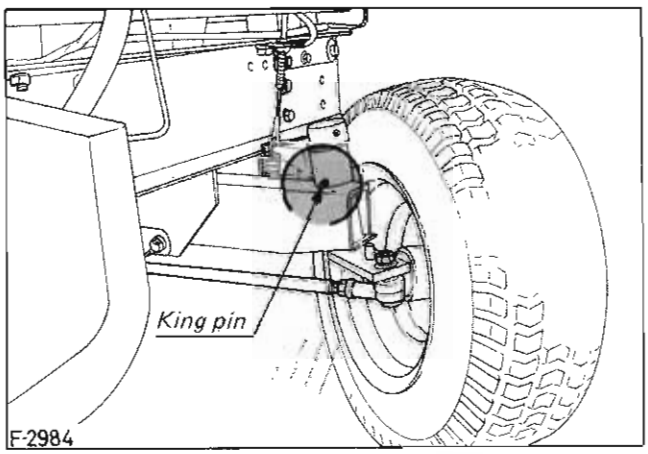


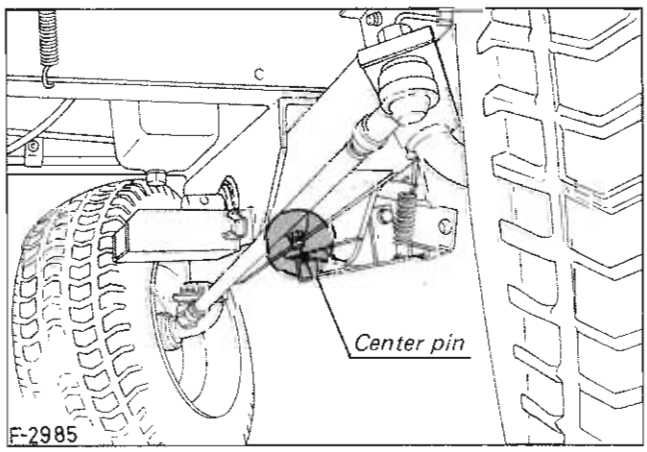
7.4 LUBRICATION POINTS BEFORE STARTING

Oil or grease the following points before starting.

■ Grease

(1) King pins
(2) Center pin
(3) Tension lever
(4) Front PTO lever
(5) Brake pedal





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9. TROUBLESHOOTING

9.1 ENGINE TROUBLESHOOTING

If something is wrong with the engine, refer to the table below for the cause and its corrective measure.

Trouble	Cause	Countermeasure
Engine is difficult to start.	• No fuel flow.	• Check the fuel tank and the fuel filter, and remove dirt build-up. • Replace filter if necessary.
	• Air and water is in the fuel system.	• Check to see if the fuel lines are tight. Bleed the fuel system. (See page 14)
	• In winter, oil viscosity increases, and engine cranks slow.	• Use oils of different viscosities, depending on ambient temperatures.
	• Battery is discharged and the engine will not crank.	• Charge the battery. • In cold weather, always remove the battery, charge it and store it indoors. Install it only when the tractor is going to be used.
Insufficient engine power.	• Insufficient fuel. • The air cleaner is clogged.	• Check the fuel system. • Clean the element.
Engine stops suddenly.	• Insufficient fuel.	• Refuel. • Bleed the fuel system.
Exhaust fumes are colored.	• Fuel quality is poor.	• Change the fuel.

If you have any questions, contact your Kubota dealer.

9.2 TRACTOR TROUBLESHOOTING (HST)

Trouble	Cause	Countermeasure
Tractor operation is not smooth.	• Hydrostatic transmission fluid is insufficient. • Filter is clogged. • Strainer is clogged.	• Replenish oil. • Replace the filter. • Clean the strainer.
Tractor does not move while engine is running.	• Parking brake is on. • Transmission fluid is insufficient.	• Release the parking brake. • Replenish oil.
Tractor moves when speed control pedal is not depressed. (Engine is operated.)	• Hydrostatic lever linkage is not correctly adjusted.	• Ask your dealer for hydrostatic lever linkage adjustment or pressure adjustment.

If you have any questions, contact your Kubota dealer.

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5. OPERATING INSTRUCTIONS

■ Pre-Start Checks

Prior to starting the engine, make pre-start checks according to the Maintenance Schedule on page 11 to 12.

5.1 OPERATING THE ENGINE

CAUTION:

(1) Do not start the engine in a closed room. The air will be polluted with exhaust gas which is very dangerous.

(2) Read the Caution label located on the tractor.

(3) Be sure to set the gear shift lever and front PTO lever to the "neutral" positions before starting the engine.

■ Starting

(1) Sit on the operator's seat.

(2) (HST) Remove your foot from the speed control pedal, and place the front PTO lever to the rear position.

(GEAR) Place the gear shift lever to the neutral position and the front PTO lever to the rear position.

(3) Set the throttle lever 1/2 of the way forward, and push the engine stop knob.

(4) Turn the key switch to the on position.

(5) Make sure that the engine oil pressure light is on.

(6) Fully depress the clutch pedal (GEAR).

(7) Turn the key switch left, waiting for the glow plug light to turn red.

Though the glow plug lamp turns red in about 10 seconds, it takes at least 20 seconds until the preheating coil in the combustion chamber is fully heated. The lower the ambient temperature, the longer the preheating time. For the necessary preheating time, refer to the table below:

Temperature	Preheating Time
Over 0° (32°F)	20 – 30 sec.
0 to -5° (32 to 23°F)	40 – 60 sec.

(8) Turn the key switch to the start position and the starter will turn and the engine should start.

(9) Make sure that the engine oil pressure light has gone off. If the light remains on, immediately stop the engine and check the lubrication system.

(10) Perform warm-up operations by running the engine at the medium speed.

IMPORTANT:

(1) Do not turn the key switch while the engine is running.

(2) When the temperature is below 0°C (32°F), keep the engine at medium speed to warm up the lubricant of engine and transmission at least 10 minutes. If the tractor is operated before the lubricant of engine and transmission is warm enough, the tractor life will be shortened.

(3) Do not operate the tractor under full load condition until it is sufficiently warmed up.

(4) Do not use starting fluid.

IMPORTANT:

- When the ambient temperature is less than -15°C (5°F), remove the battery from the tractor and store it somewhere warm until next operation.

■ Stopping

(1) Slow down the engine by moving the throttle lever backward.

(2) Pull the engine stop knob completely and hold it until the engine stops.

(3) Turn the key switch off and pull the key out of the switch.

5.2 OPERATING THE TRACTOR (HST TYPE)

CAUTION:

(1) Do not allow any person other than the driver to ride on the tractor.

(2) Do not drive the tractor close to the edges of ditches or banks which may break under the weight of the tractor, especially when the ground is loose or wet.

(3) When turning the tractor, be sure to reduce the traveling speed by letting up on the pedal.

■ Starting

(1) Unlock the parking brake.

(2) Speed up the engine by moving the throttle lever forward.

(3) Depress the speed control pedal with your right foot to move forward or backward.

IMPORTANT:

- Never move the tractor with the parking brake on.

■ Stopping

(1) Release the speed control pedal to stop the tractor.

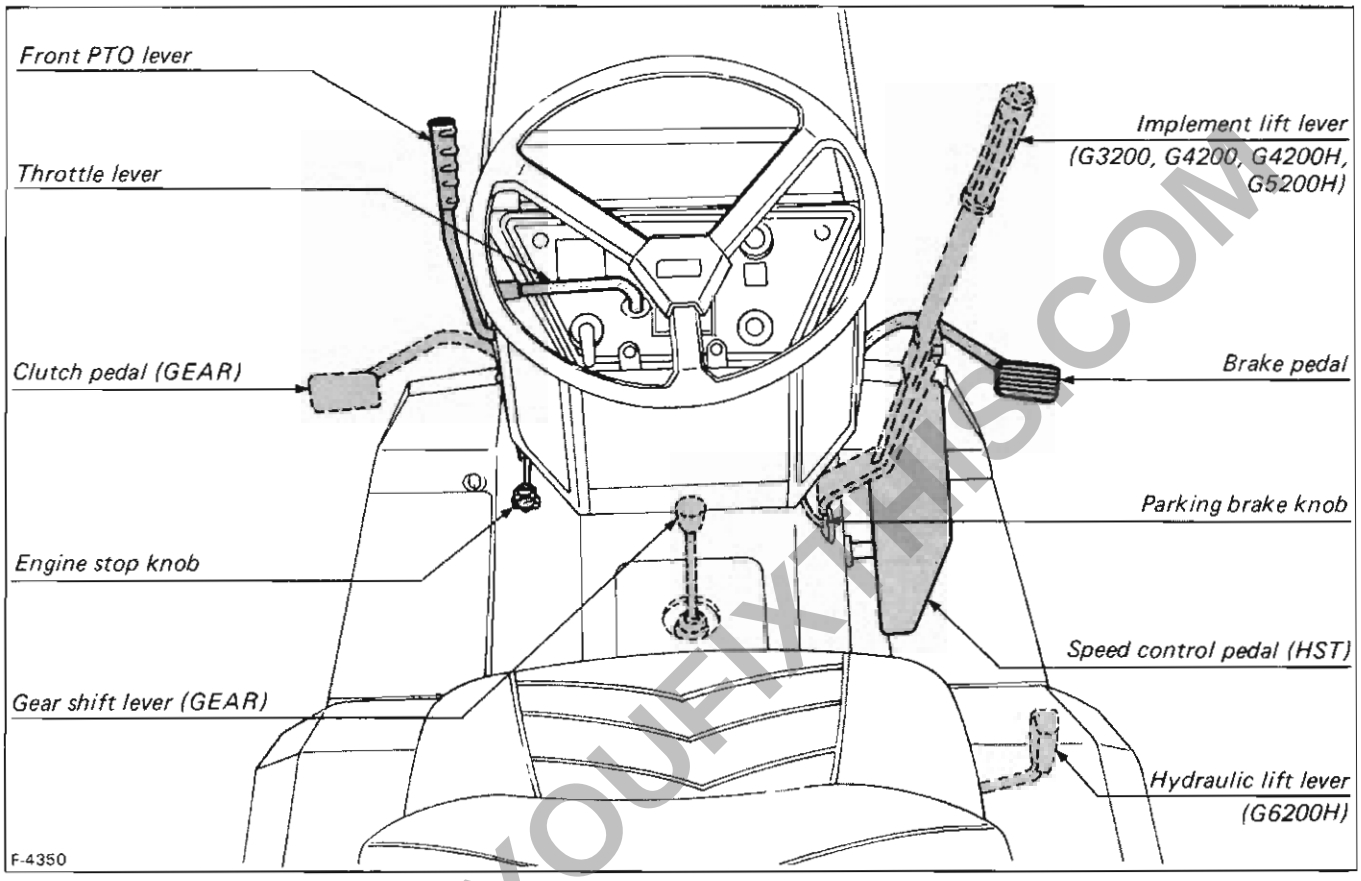
(2) Slow down the engine.

(3) Shift front PTO lever to neutral.

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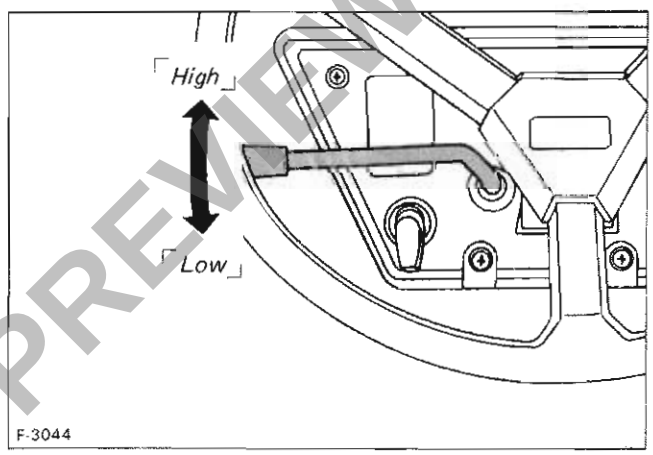
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4.2 CONTROLS



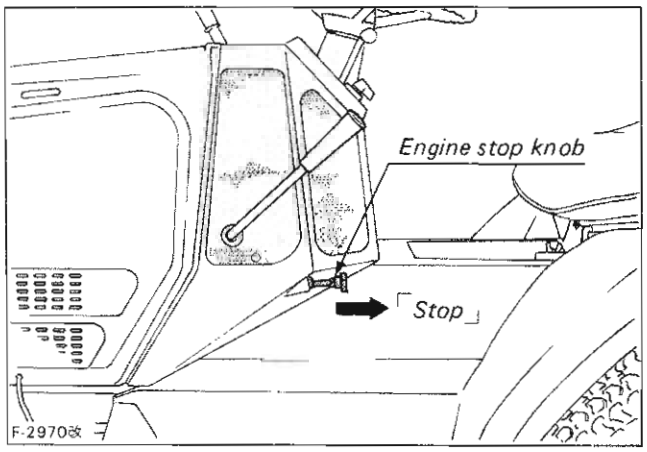
■ Throttle Lever

Moving the throttle lever backward decreases the engine speed and moving it forward increases the engine speed.



■ Engine Stop Knob

To stop the engine, pull the engine stop knob completely and hold it until the engine stops.



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