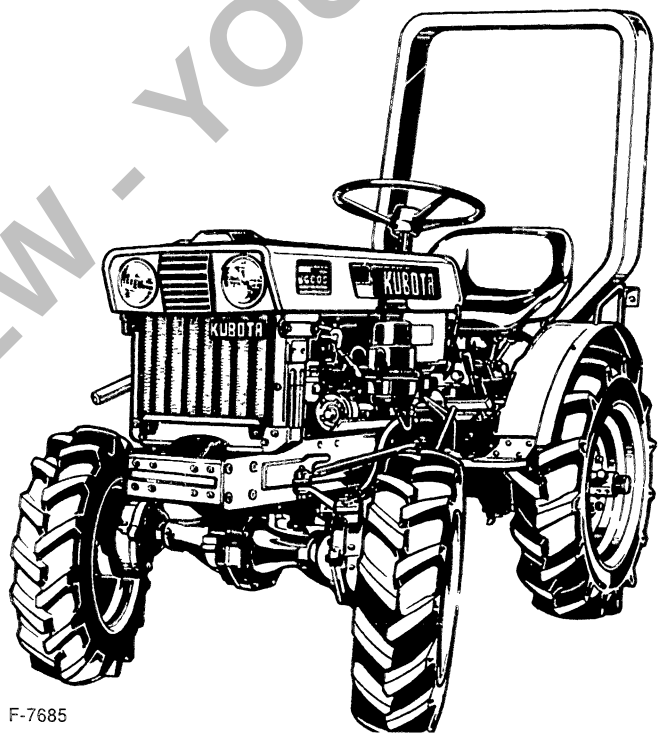
OPERATOR'S MANUAL

KUBOTA TRACTOR

MODEL B6000



F-7685

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Kubota

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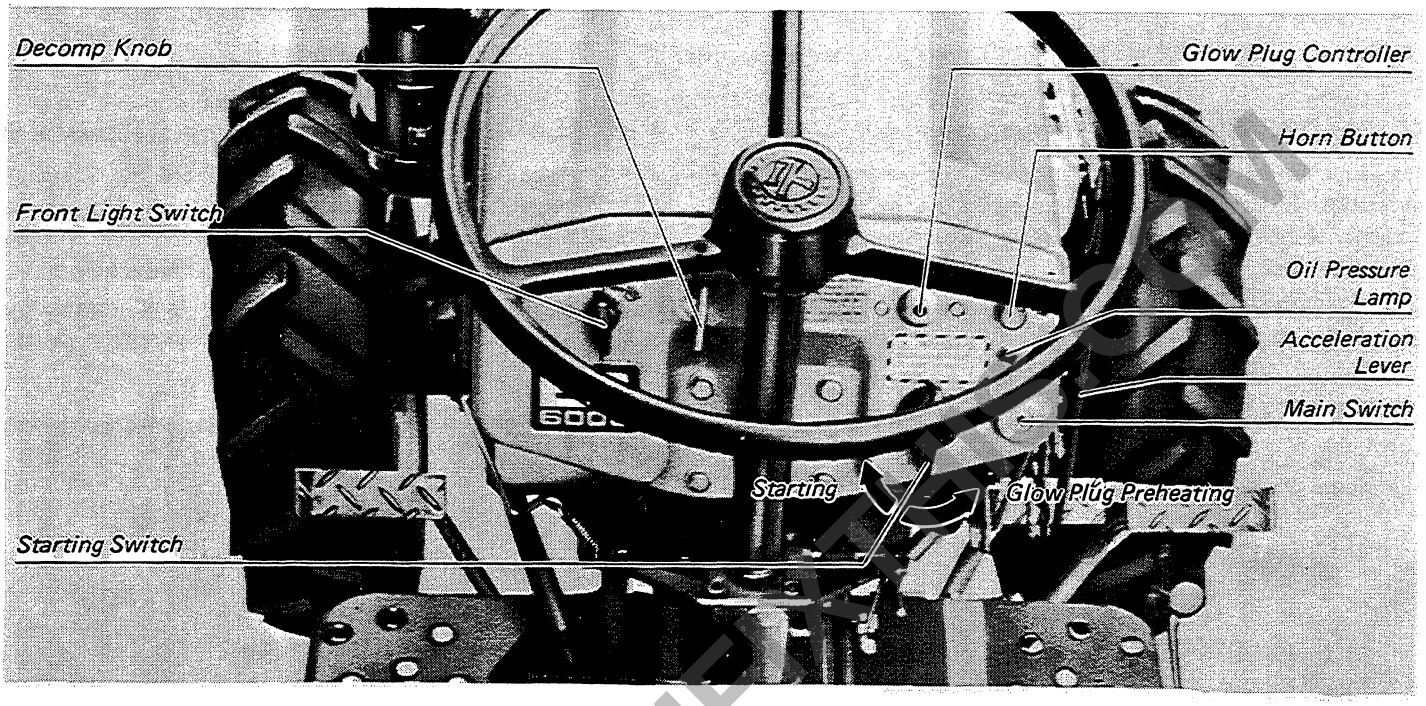
Specifications

Model:		KUBOTA B6000	KUBOTA B6000E	KUBOTA B6000E-T
Driving method:		4 wheel drive	2 wheel drive	
Engine:		KUBOTA ZL600		
Type		Vertical, water-cooled, 4-cycle diesel engine		
Cylinders		2		
Total displacement		35.21 cu. in. (577cc)		
Bare engine horse power		12.5 HP		
Revolution speed		2,700 rpm		
Max. revolution		2,900 rpm		
Fuel		Diesel light oil or No.2 diesel oil		
Starting		Electric starter with battery, glow plug & decompression device		
Starter		12V 0.8KW		
Lubrication		Forced lubrication by trochoidal pump		
Cooling		Water with pressurized radiator		
Battery		65AH		
Fuel tank cap.		2.38GA (9 lit.)		
Radiator cap.		0.79GA (3 lit.)		
Dimensions:				
Overall length		71-5/8 inch (1820mm)	70-7/8 inch (1800mm)	70-4/8 inch (1790mm)
Overall width		36-2/8 inch (920mm)	36-2/8 inch (920mm)	37-6/8 inch (960mm)
Overall height		43-6/8 inch (1110mm)	42-7/8 inch (1090mm)	42-4/8 inch (1080mm)
Wheel base		45-5/8 inch (1160mm)	47-2/8 inch (1200mm)	47-2/8 inch (1200mm)
Min. ground clearance		10-5/8 inch (270mm)	10-5/8 inch (270mm)	9-4/8 inch (240mm)
Treads	Front	29-7/8 ~ 31-4/8 inch (760 ~ 800mm)	27-1/8 ~ 29-7/8 inch (690 ~ 760mm)	29-7/8 inch (760mm)
	Rear	28 ~ 36-2/8 inch (710 ~ 920mm)	28 ~ 36-2/8 inch (710 ~ 920mm)	24 ~ 35-4/8 inch (610 ~ 910mm)
Tires	Front	6—12	400—9	20 x 800 — 10
	Rear	7—16	7—16	27 x 850 — 15
Weight:		860 lbs. (390kg)	770 lbs. (350kg)	770 lbs. (350kg)
P.T.O :				
Location		Transmission case rear and tractor body front	Transmission case rear	
Ground height				
Revolution direction				
RPM		3 stages (560,840and 1,350 rpm at 2,700 engine rpm)		
Clutch:		Dry single plate, pedal type		
Steering:		Worm screw type		
Transmission:				
Type		Gear shift		
Speed changes		Forward 6-stages, Reverse 2-stages		
Min. turning radius:		63 in (1.6m)		
Brake:		Internal-expanding type, right & left independent with interlocking device		
Differential:		Bevel gear type (both front and rear)	Bevel gear type (Rear only)	

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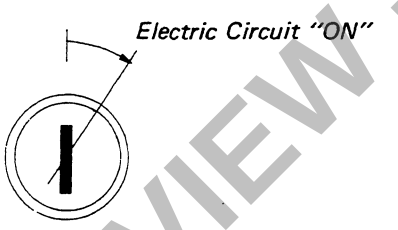
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4. Instrument Panel and Controls



4-1 MAIN SWITCH

The main switch is separate from the starting switch. By turning the main switch one stage to the right, the electric circuit and fuel pump start functioning.
When the tractor is not to be used, do not leave the key inserted, but always remove the key and carry it with you.



4-2 STARTING SWITCH

When the starting switch is turned to the right, the engine will catch.
When released, the switch will return to its' former position. When the starting switch is turned to the left, the glow plug (preheating coil) will activate, and the combustion chamber will be preheated. When released, the switch will return to its original position.

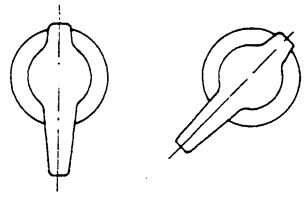
4-3 GLOW PLUG CONTROLLER

(Pre-heating Indicator)

When the starting switch is turned to the left, the glow plug controller becomes red in 12—15 seconds. This shows the condition of pre-heating in the combustion chamber.

4-4 FRONT LAMP SWITCH

When the front lamp switch is truned to the right, the front lamps light on.



(OFF)
Lights Dim

Lights "ON"

4-5 HORN BUTTON (Red Button)

After turning the main switch clockwise one stage, push the red horn button. Then, an alarm sounds.

4-6 DECOMPRESSION KNOB

When it is difficult to start in cold weather, pull the decompression knob to release the compression of the engine. Then it would be easier to start the engine.

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IMPORTANT

Safe Operation Practices

1. Know the controls and how to stop quickly READ THE OPERATOR'S MANUAL.
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passenger. Keep children and pets a safe distance away.
4. Clear the work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start the engine (motor).
6. Disengage power to attachment(s) and stop the engine (motor) before leaving the operator's position.
7. Disengage power to attachment(s) and stop the engine (motor) before making any repairs or adjustments.
8. Disengage power to attachment(s) when transporting or not in use.
9. Take all possible precautions when leaving the vehicle unattended, such as disengaging the power-take-off, lowering the attachment(s), shifting into neutral, setting the parking brake, stopping the engine, and removing the key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of steep slopes; never across the face.
11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in the terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
    a. Use only approved drawbar hitch points.
    b. Limit loads to those you can safely control.
    c. Do not turn sharply. Use care when backing.
    d. Use counterweight(s) or wheel weights when suggested in the owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
16. Handle No.2 DIESEL FUEL with care – it is flammable.
    a. Use approved No.2 DIESEL FUEL container.
    b. Never use the gasoline.
    c. Never remove the cap of the fuel or add No.2 DIESEL FUEL to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled No.2 DIESEL FUEL.
    d. Open doors if the engine is run in the garage – exhaust fumes are dangerous. Do not run the engine (motor) indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
18. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with No.2 DIESEL FUEL in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
20. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while the engine (motor) is running if the operator must dismount to do so.
    (3) Shut the engine (motor) off when removing the grass catcher or unclogging chute.
    (4) Check the blade mounting bolts for proper tightness at frequent intervals.
24. Check the grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

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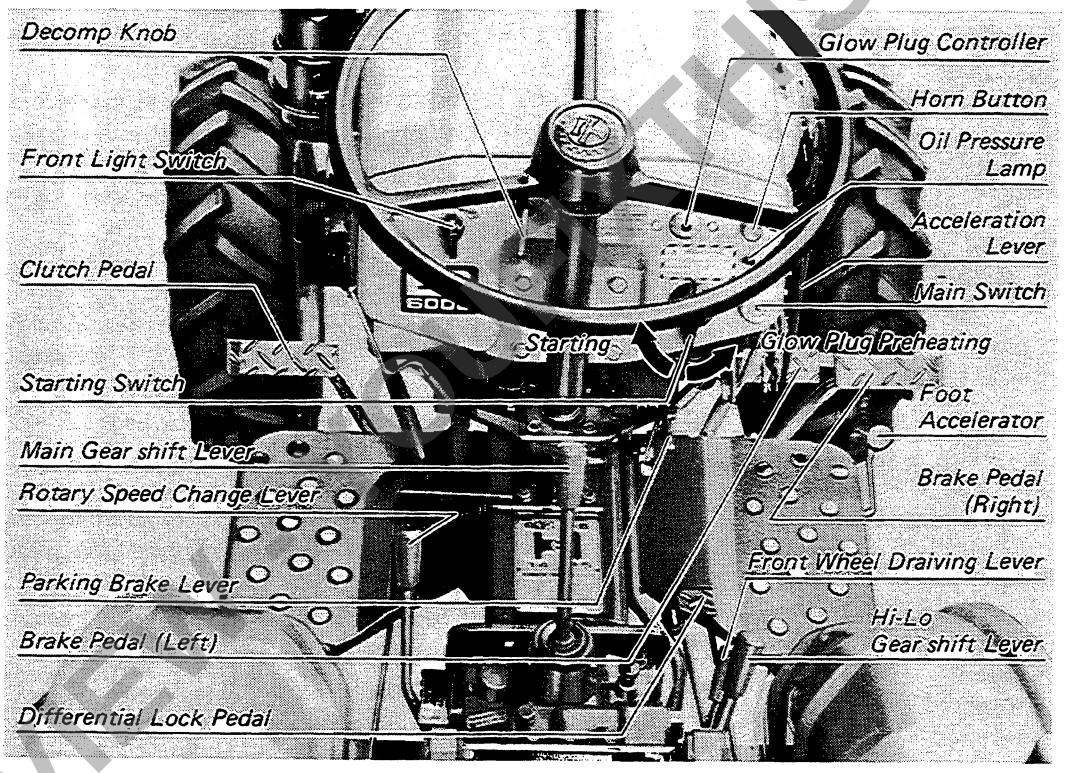
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CAUTION:

*Do not use the decompression knob except when battery is weak or in severe cold weather.
*Glow plug is one of the consumption parts, but pre-heat it thoroughly at starting time. Pre-heating time does not affect the life of the glow plug.

*Glow plug and glow plug controller consist of one pair. Change them at one time by confirming their spare parts numbers.
*If glow plug controller becomes red too early or too lately, ask Kubota Dealer for checks.

5-4 OPERATING THE TRACTOR



■ **Starting The Tractor**

When the engine starts up:

(1) Depress the clutch pedal to disengage the clutch.
(2) Put the main and hi-lo gearshift levers in the desired speed.
(3) Release the lock of the parking brake.
(4) Pull the acceleration lever backward gradually and raise the engine speed.
(5) Release the clutch pedal gradually to engage the clutch, then the tractor will start travelling.
(6) Remove the foot from clutch pedal.

CAUTION:

*Be sure to have the left and right brake pedals interlocked when operating on the roads. Depressing only one brake at high speed is very dangerous.

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(Remarks) ● : Check or Replenishing
○ : Exchange or Cleaning

No.	Items	Service	Capacity	Operation Time			
				Daily (before operation)	Every 50hrs.	Every 100hrs.	Every 300hrs.
1	Engine crankcase oil	SAE30, 20, 10W-30	0.53GA(2 lit.)	●	○ : Change at initial 35 hours, every 75 hours thereafter.		
2	Air cleaner oil	Same	Up to the level	●	○		
3	Transmission case oil	SAE80	2.38GA(9 lit.)	●	○		○
4	Front axle case oil	SAE80	0.13GA(0.5 lit.)		○		○
5	Front wheel gear case (right & left sides)	SAE80	0.05GA(0.2 lit.)		○ Initial		○ There after
6	Steering case	SAE80	0.05GA(0.2 lit.)				○
7	Crankcase oil filter				○		○
8	Hydraulic oil filter				○		○
9	Fuel filter					○	
10	Cartridge filter			(Change once in 3 years.)			
11	King pin & Rod end	Chassis grease	proper	●			
12	Pedal shafts	Chassis grease	proper	●			
13	Interlocking rod	Lube oil or grease	proper	●			
14	Front wheel drive lever		proper	●			
15	Radiator	Water amount, leakage		●			○
16	Battery	Electrolyte, charg. condition		●	○ : Change once in 1 or 2 months. Replace once in about 2 years.		
17	Fuel tank	Fuel amount	2.64GA(10 lit.)	●			
18	Radiator hose	Leakage		(○ : Replace every 2 years)			
19	Nozzle piece	Checking				○	
20	Fuel pipe	Leakage	(Replace every 2 years)			●	
21	Fan belt	Tention				●	
22	Clutch	Free travel				●	
23	Brake	Free travel				●	
24	Steering	Free travel				●	
25	Tire	Pressure		●			

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9-2 TROUBLES AND COUNTERMEASURES FOR BATTERY

Condition of Battery	Cause of Trouble	Measures	Precaution
Starter does not function	Battery over-used until light becomes dim.	Charge for long period by ordinary charging method until gas develops amply. (24 hour charging)	Do not overuse the battery and charge before fully discharged. (Refrain from overdischarging)
	Charing of battery neglected.		
	Defective generator, rectifier	Repair generator and replace defective rectifier.	Check generator, rectifier.
		Charge battery well.	
	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. (24 hr charging)	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.
Battery cannot be charged, even if tried.	Defective generator, rectifier. Defective terminal contacts causing sulphation of electrodes.	Check generator and rectifier and charge for long period by ordinary charging method.	Make routine checks of generator, rectifier and terminals.
	The current of the generator during operation is too large causing electrodes to drop, bend or short-circuit.	Decrease the charging current of generator. Repair or exchange defective battery.	Be careful of charging current of generator.
	Life of battery expired.	Exchange battery.	
Corrosion of terminals severe and terminals be heated.	Contact of terminals defective, terminals dirty.	Wash terminals and tighten well.	Keep terminals clean and well tightened. Apply grease to prevent corrosion.
Electrolyte decrease rapidly.	Current of the generator during operation is too large.	Adjust charging current of generator.	Be careful of charging current of generator.
	Tractor being used in hot places.	Devise ways so temperature would not rise.	Be careful temperature does not rise.
	Storage battery cracked or small holes.	Replace battery	Secure battery to tractor so it would not move.

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