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MANUAL PREVIEW

Kubota

Operator's Manual

B6200HSTE 2WD

B6200HSTD 4WD

B7200HSTE 2WD

B7200HSTD 4WD

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KU-O-B6200HSTE

Operator's Manual

# OPERATOR'S MANUAL

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MANUAL PREVIEW

TRACTOR

MODEL B6200HST • B7200HST

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| Model                |                                                                                                    | B7200HSTE (2WD)                                                                                                                      |                           |                                                          |                     | B7200HSTD (4WD)      |                            |                                           |                            |            |
|----------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------|---------------------|----------------------|----------------------------|-------------------------------------------|----------------------------|------------|
| Engine gross power   |                                                                                                    | 12.7kW (17HP)*                                                                                                                       |                           |                                                          |                     |                      |                            |                                           |                            |            |
| PTO power            |                                                                                                    | 10.5kW (14HP)*                                                                                                                       |                           |                                                          |                     |                      |                            |                                           |                            |            |
| Engine               | Model                                                                                              | D950                                                                                                                                 |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Type                                                                                               | Vertical, water-cooled, 4-cycle diesel                                                                                               |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | No. of cylinders                                                                                   | 3                                                                                                                                    |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Bore and stroke                                                                                    | 75mm x 70mm (3.0 in. x 2.8 in.)                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Total displacement                                                                                 | 927cm <sup>3</sup> (56.6 cu.in.)                                                                                                     |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Rated revolution                                                                                   | 41.7 r/s (2500 rpm)                                                                                                                  |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Fuel                                                                                               | Diesel fuel No. 2-D [No. 1 diesel fuel, if temperature is below -10°C (14°F)]                                                        |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Starter                                                                                            | Electric starter with battery, glow plug and decompression device, 12V, 0.8kW                                                        |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Lubrication                                                                                        | Forced lubrication by trochoidal pump                                                                                                |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Cooling                                                                                            | Water with pressurized radiator                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |
| Capacities           | Battery                                                                                            | 12V (45 Ah)                                                                                                                          |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Fuel tank                                                                                          | 20ℓ (5.3 U.S. gals.)                                                                                                                 |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Engine crankcase                                                                                   | 3.1ℓ (3.3 U.S. qts.)                                                                                                                 |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Engine coolant                                                                                     | 2.8ℓ (3.0 U.S. qts.)                                                                                                                 |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Transmission case                                                                                  | 13.5ℓ (14.3 U.S. qts.)                                                                                                               |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Steering gear box                                                                                  | 0.2ℓ (0.2 U.S. qt.)                                                                                                                  |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Front axle diff. case                                                                              |                                                                                                                                      |                           |                                                          |                     | 1.5ℓ (1.6 U.S. qts.) |                            |                                           |                            |            |
| Front axle gear case |                                                                                                    |                                                                                                                                      |                           |                                                          | 0.5ℓ (0.5 U.S. qt.) |                      |                            |                                           |                            |            |
| Tires                | Front                                                                                              | Farm 5.00-10                                                                                                                         | Farm 5.00-10              | Turf 18x9.50-8                                           | Turf 18x9.50-8      | Farm 6-12B           | Farm 6-12                  | Turf 20.5x8.00-10                         | Turf 20.5x8.00-10          |            |
|                      | Rear                                                                                               | 8-16                                                                                                                                 | 9.5-16                    | 29x12.00-15                                              | 31x13.5-15          | 8-16                 | 9.5-16                     | 29x12.00-15                               | 31x13.5-15                 |            |
| Dimensions           | Overall length                                                                                     | mm (in.)                                                                                                                             | 2590 (102.0)              | 2590 (102.0)                                             | 2590 (102.0)        | 2590 (102.0)         | 2590 (102.0)               | 2590 (102.0)                              | 2590 (102.0)               |            |
|                      | Overall width                                                                                      | mm (in.)                                                                                                                             | 990 (39.0)<br>1110 (43.7) | 1045 (41.1)<br>1095 (43.1)<br>1145 (45.1)<br>1265 (49.8) | 1140 (44.9)         | 1240 (48.8)          | 1050 (41.3)<br>1110 (43.7) | 1095 (43.1)<br>1145 (45.1)<br>1265 (49.8) | 1140 (44.9)<br>1240 (48.8) |            |
|                      | Overall height with muffler                                                                        | mm (in.)                                                                                                                             | 1815 (71.5)               | 1815 (71.5)                                              | 1785 (70.3)         | 1785 (70.3)          | 1830 (72.0)                | 1840 (72.4)                               | 1805 (71.1)<br>1805 (71.1) |            |
|                      | Wheel base                                                                                         | mm (in.)                                                                                                                             | 1470 (57.9)               | 1470 (57.9)                                              | 1470 (57.9)         | 1470 (57.9)          | 1470 (57.9)                | 1470 (57.9)                               | 1470 (57.9)                |            |
|                      | Min. ground clearance                                                                              | mm (in.)                                                                                                                             | 255 (10.0)                | 285 (11.2)                                               | 240 (9.4)           | 250 (9.8)            | 240 (9.4)                  | 255 (10.0)                                | 215 (8.5)<br>215 (8.5)     |            |
|                      | Treads                                                                                             | Front mm(in.)                                                                                                                        | 710 (28.0)                | 710 (28.0)                                               | 850 (33.5)          | 850 (33.5)           | 860 (33.9)                 | 860 (33.9)                                | 895 (35.2)                 | 895 (35.2) |
|                      |                                                                                                    | Rear mm(in.)                                                                                                                         | 790 (31.1)<br>910 (35.8)  | 795 (31.3)<br>845 (33.3)<br>895 (35.2)<br>1015 (40.0)    | 840 (33.1)          | 895 (35.2)           | 790 (31.1)<br>910 (35.8)   | 845 (33.3)<br>895 (35.2)<br>1015 (40.0)   | 840 (33.1)<br>895 (35.2)   |            |
| Weight               | kg (lbs.)                                                                                          | 535 (1180)                                                                                                                           | 550 (1213)                | 545 (1202)                                               | 550 (1213)          | 605 (1334)           | 615 (1356)                 | 610 (1345)                                | 615 (1356)                 |            |
| PTO shaft            | Transmission case rear (rear PTO), Transmission case bottom (mid PTO) and engine front (front PTO) |                                                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Rear PTO                                                                                           | SAE 1-3/8 (with over running clutch)<br>2 speeds (9.0 and 14.3 r/s at 41.9 engine r/s) (540 and 858 rpm at 2517 engine rpm)          |                           |                                                          |                     |                      |                            |                                           |                            |            |
|                      | Mid PTO                                                                                            | USA No.5 (KUBOTA 10 tooth) Involute spline<br>2 speeds (25.8 and 40.9 r/s at 41.9 engine r/s) (1546 and 2455 rpm at 2517 engine rpm) |                           |                                                          |                     |                      |                            |                                           |                            |            |
| Clutch               | Dry single plate                                                                                   |                                                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |
| Steering             | Ball screw type                                                                                    |                                                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |
| Transmission         | Main-hydrostatic transmission, High-Low gear shift (2 forward, 2 reverse)                          |                                                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |
| Min. turning radius  | m (feet)                                                                                           | 2.1 (6.9)                                                                                                                            |                           |                                                          |                     | 2.2 (7.2)            |                            |                                           |                            |            |
| Brake                | Internal expanding type, right and left independent with interlocking device                       |                                                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |
| Differential         | Bevel gear                                                                                         |                                                                                                                                      |                           |                                                          |                     |                      |                            |                                           |                            |            |

Note: \* Manufacturer's estimate

### ■ Clutch Pedal

The clutch is disengaged when the clutch pedal is fully pressed down.

#### IMPORTANT:

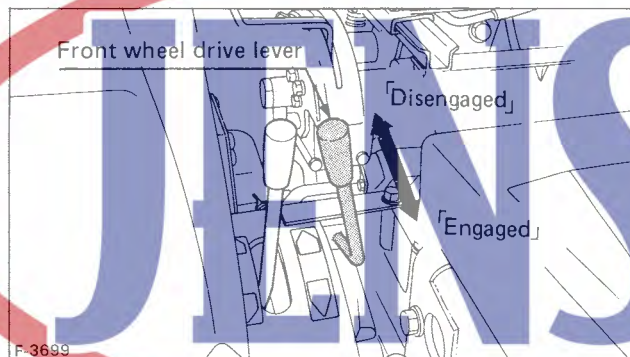
To help prevent premature clutch wear:

- (1) The clutch pedal must be quickly disengaged and be slowly engaged.
- (2) Avoid operating the tractor with your foot resting on the clutch pedal.

### ■ Front Wheel Drive Lever (4 WD)

The front wheel drive is used only when greater traction power is required or to prevent the tractor from lunging during rotary tilling hard soil.

Lowering the lever engages the front wheels for 4 wheel drive.



### ■ PTO Speed Gear Shift Lever

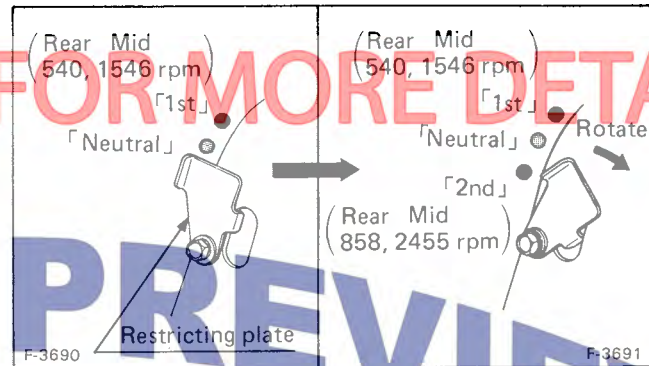
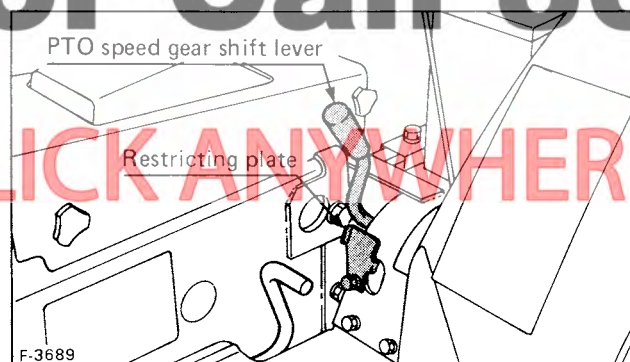
#### CAUTION:

- To prevent from overspeeding a PTO driven implement and possibly causing personal injury, use the 2nd rear PTO speed (858 rpm) and mid PTO speed (1546 rpm, 2455 rpm) only when these higher rpms are specially recommended by the implement manufacturer.

The tractor has two speed selections for the rear and mid PTO.

|     |                              |     |                              |
|-----|------------------------------|-----|------------------------------|
| 1st | Rear—540 RPM<br>Mid—1546 RPM | 2nd | Rear—858 RPM<br>Mid—2455 RPM |
|-----|------------------------------|-----|------------------------------|

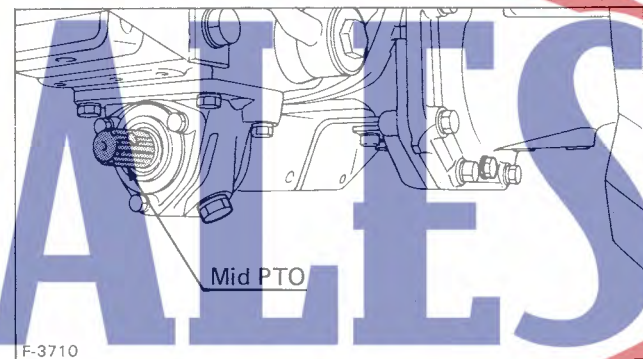
To shift into 2nd PTO speed, rotate the restrictor plate. Release the restrictor plate to the original position following use of 2nd speed position.



### ■ Mid PTO

The mid PTO is available for Kubota mid mount mower.

Before using the mid PTO, remove the shaft cover from mid PTO case.



### ■ Brake Pedals (Right and Left)

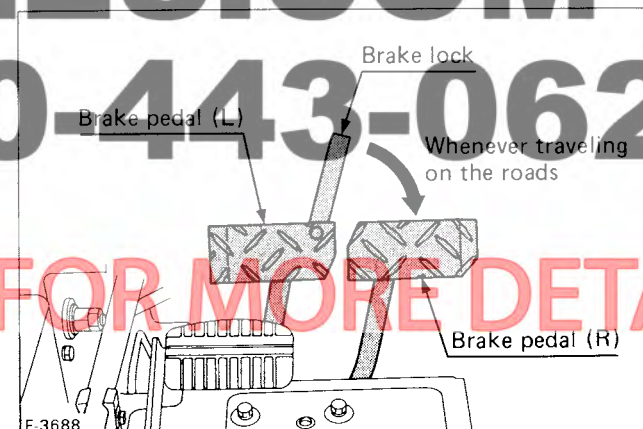


#### WARNING:

- Applying only one rear wheel brake at high speeds could cause the tractor to swerve or roll-over.

- (1) Before operating the tractor on a road, be sure to interlock the right and left pedals as illustrated below.
- (2) Use individual brakes to assist in making sharp turns in field operation only.

Disengage the brake lock and depress only one brake pedal.



- (2) The fuel line is made of rubber and ages regardless of period of service. Change the fuel line together with the clamp whenever worn and securely tighten.
- (3) After the fuel line and clamp have been changed, bleed the fuel system.

#### IMPORTANT:

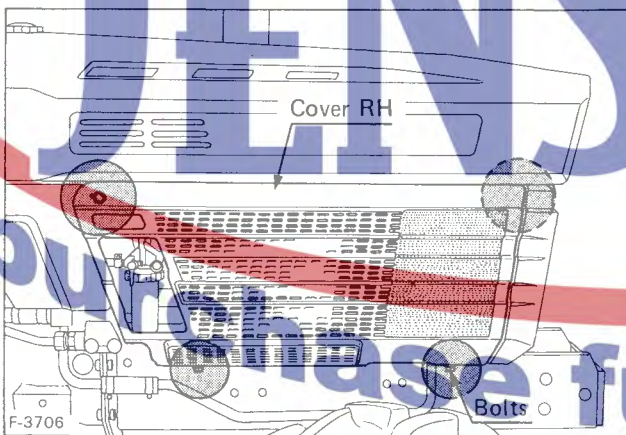
- When the fuel line is disconnected for change, close both ends of the fuel line with a piece of clean cloth or paper to prevent dust and dirt from entering. Entrance of dust and dirt causes malfunction of the fuel injection pump. In addition, particular care must be taken not to admit dust and dirt into the fuel pump.

#### ■ Cleaning the Fuel Filter Bowl

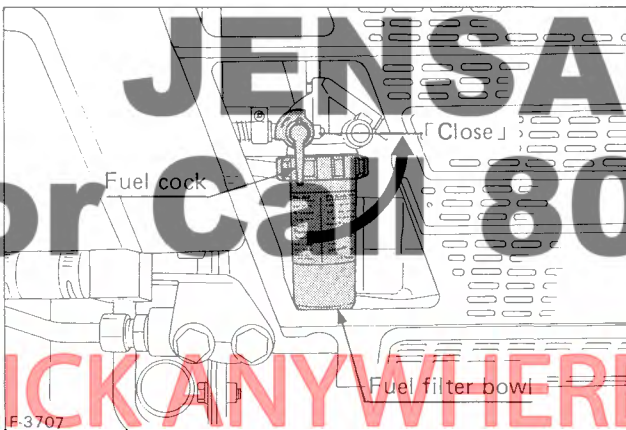
When period of operation reaches approx. 100 hours, clean the fuel filter.

This job should not be done in the field, but in a clean place so as to prevent dust intrusion.

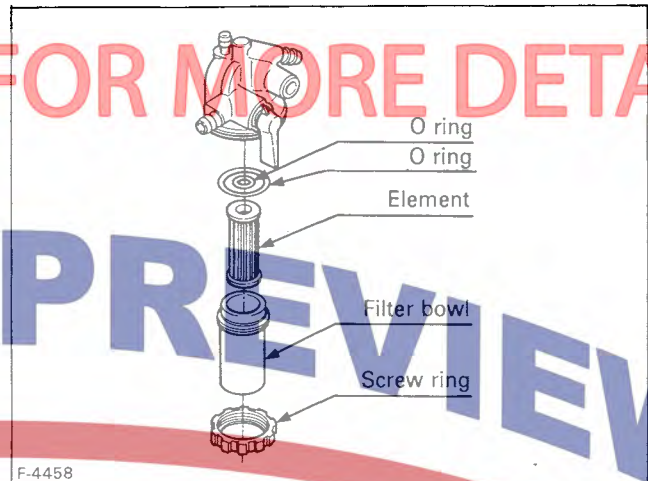
- (1) Unscrew the 5 bolts which fasten the cover RH, and remove the cover RH.



- (2) Close the fuel filter bowl cock.



- (3) Unscrew and remove the screw ring, and rinse the inside with kerosene.
- (4) Take out the element and dip it in the kerosene to rinse.



- (5) After cleaning, reassemble the fuel filter, keeping out dust and dirt.
- (6) Bleed the injection pump.

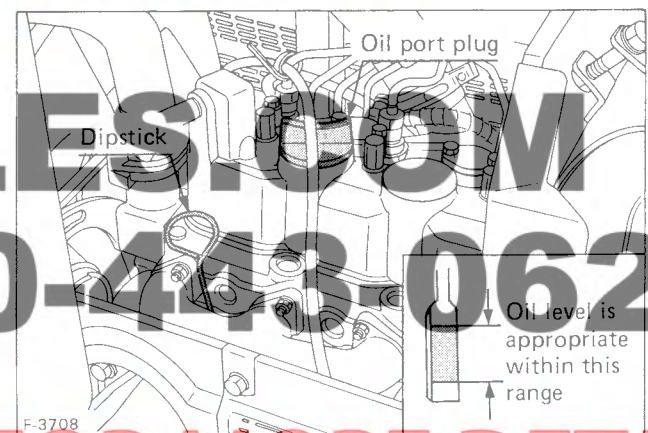
#### IMPORTANT:

- If dust and dirt enter the fuel, the fuel pump and injection nozzle are subject to quick wear. To prevent this, be sure to clean the fuel filter bowl periodically.

## 10.2 ENGINE OIL

#### ■ Oil Level Check and Replenishment (See page 30)

- (1) Check engine oil before starting the engine and 5 minutes or more after the engine has stopped.
- (2) To check the oil level, draw out the dipstick, wipe it clean, replace it, and draw it out again. Check to see that the oil level lies between the two notches.
- (3) If the level is too low, add new oil to the prescribed level at the oil port.



- (4) When using an oil of different brand or viscosity from the previous one, remove all of the old oil. Never mix two different types of oil.
- (5) Use the proper SAE Engine Oil according to the ambient temperatures.
- Refer to 9.2 "LUBRICANTS."

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