621D
Wheel Loaders

Operator's Manual

Revision Date 09/2004

Bur 6-36661NA

CASE
CONSTRUCTION

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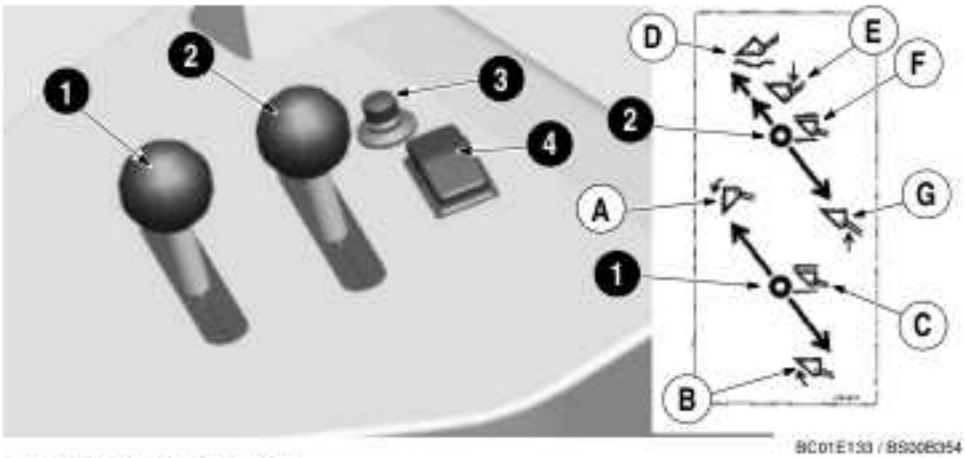
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TWO SPOOL VALVE - TWO CONTROL LEVERS



BC01E133 / BS00B054

1. BUCKET CONTROL
   - A. DUMP
   - B. ROLLBACK
   - C. HOLD: The loader arms and bucket will not move when the control lever is in the HOLD position. When released, the control lever will automatically return to the HOLD position. You must manually move the control lever from the FLOAT position to the HOLD position.
2. LIFT ARM CONTROL
   - D. FLOAT (Detent): This is a detent position. When in the FLOAT (Detent) position, the loader bucket can follow the level of the ground without movement of the control lever.
   - E. LOWER
   - F. HOLD: The loader arms and bucket will not move when the control lever is in the HOLD position. When released, the control lever will automatically return to the HOLD position. You must manually move the control lever from the FLOAT position to the HOLD position.
   - G. RAISE
3. KICKDOWN BUTTON (DOWNSHIFT TRANSMISSION)
4. AUXILIARY F-N-R Switch:This switch will allow the operator to put the Transmission in Forward, Neutral or Reverse. To activate this auxiliary F-N-R switch the proper sequence must be followed. See page 112 and 114 in this manual. Push the switch Forward to place the transmission in Forward, Place the switch in the middle position to place the transmission in Neutral and Pull the switch rearward to put the Transmission in Reverse.

NOTE: *See Transmission Operation/Initial Machine Movement for moving the machine after engine start up.*

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Hydraulic Filters

Replace the hydraulic filter every 1000 hours of operation or if the hydraulic oil filter LAMP illuminates.



BD00N081

Hydraulic Filter Test

To check the condition of the hydraulic filters do the following.

1. Start the engine. If the hydraulic oil is not at operating temperature or approximately 50°C (120°F) do the following.
   A. Dump the bucket and hold over relief while cycling the Lift arms up and down. It can take several minutes to bring the oil to operating temperature. Refer to instruction on the instrument cluster for using it to read hydraulic oil temperature.
   B. After 15 seconds, move the control lever to the HOLD position.
   C. Repeat steps a and b until the hydraulic oil temperature is 50 C (120 F).
2. Increase the engine speed to full throttle. If the LAMP for the hydraulic oil filters illuminates, replace both filters.



RD38K317

Hydraulic Filter Replacement

1. Park the machine on a level surface. Lower the loader bucket to the ground and stop the engine. Apply the parking brake.
2. Slowly loosen the filler cap on the hydraulic reservoir. This will release the air pressure in the hydraulic reservoir.
3. Remove the access cover. (If Equipped)
4. Use a strap wrench to remove the old filter. Turn the filter counterclockwise to remove.
5. Lubricate the gasket on the new filter with CASE AKCELA MS-1209, Hy-Tran Ultra® fluid. Turn the new filter clockwise until the filter contacts the head of the filter assembly. Continue to tighten the filter 1/2 to 3/4 turn by hand.

IMPORTANT: *DO NOT use a filter wrench to tighten the hydraulic filter.*

6. Tighten the filler cap.
7. Start and run the engine at approximately 1000 rpm. Check for oil leaks around the filter.

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Weight Adjustments for Optional Equipment 621D Z-Bar

ITEM	POUNDS	(kg)
17.5 x 25, L2	-1 156	-524
17.5 x 25, L3	-948	-430
17.5 R 25, XTLA	-1 016	-461
17.5 R 25, XHA	-792	-359
20.5 x 25, L2	-100	-45
20.5 x 25, L3	228	104
20.5 R 25 XHA	380	173
ROPS Canopy	-295	-134

Weight Adjustments for Optional Equipment 621D XT

ITEM	POUNDS	(kg)
17.5 x 25, L2	-1 156	-524
17.5 x 25, L3	-948	-430
17.5 R 25, XTLA	-1 016	-461
17.5 R 25, XHA	-792	-359
20.5 x 25, L2	-100	-45
20.5 x 25, L3	228	104
20.5 R 25, XHA	380	173

IMPORTANT: *The use of rear tire ballast is not permitted.*

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