CASE

PROFESSIONAL PARTNER

OPERATOR'S MANUAL

CRAWLER DOZER

750L

850L

TIER 3

87479855NA

Issued 1-2006

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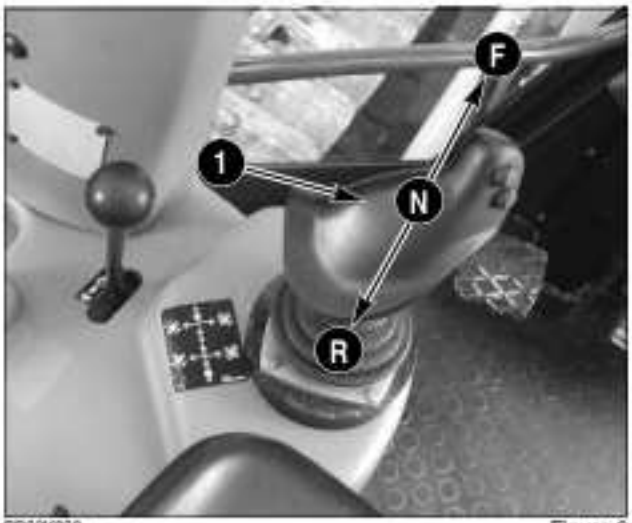
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DIRECTION CONTROL LEVER

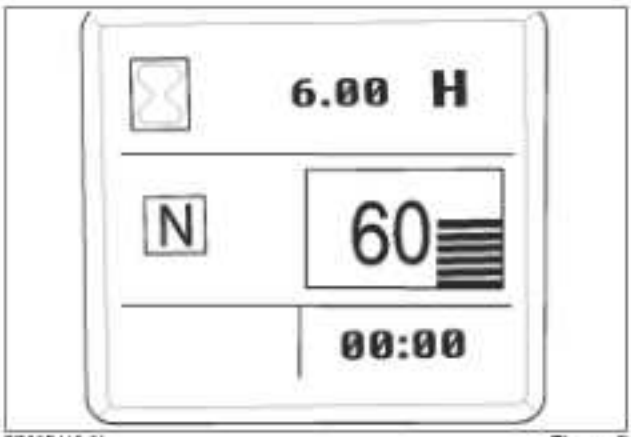


BD034029 Figure 6

1. DIRECTION CONTROL LEVER

The drive and steering are controlled by a microprocessor. The Direction Control Lever sends an electronic signal to the controller. There is no mechanical linkage and therefore the "feel" and "sensitivity" may be significantly different from conventional crawlers.

The Direction Control Lever will detent into Forward or Reverse. The operator must pull the Direction Control Lever out of these positions. See Turning on the this page.



BD06G113-01 Figure 7

Push the Direction Control Lever into the position you wish the crawler to go and verify the selection by reading the Digital Display. See Figure 7 above (Neutral shown).

NOTE: *The crawler will not move unless engine rpm is above 1000.*

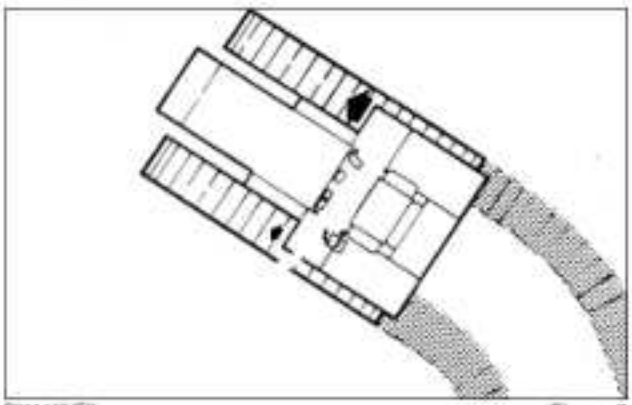
To turn the crawler push the Direction Control Lever toward the direction desired. Turning must always be commanded through Forward or Reverse.

TURNING

Forward or reverse motion must always be commanded in conjunction with turning. Moving the direction control lever only left or right will result in no motion. Turns must be taken through forward or reverse.

STEERING GRADUAL TURN

1. To turn the crawler to the left push the Direction Control Lever forward and to the eleven o'clock position. The crawler will gradually turn to the left.
2. To turn the crawler to the right, push the Direction Control Lever forward and to the one o'clock position. The crawler will gradually turn to the right.



B911447JFX Figure 8

POWER TURN

1. By pushing the Direction Control Lever toward the ten o'clock position the crawler will turn sharper to the left with appropriate power to each track.
2. By pushing the Direction Control Lever toward the two o'clock position the crawler will turn sharper to the right with appropriate power to each track.

COUNTER - ROTATION

1. To counter-rotate the crawler to the left, push the Decelerator Pedal all the way down, push the Direction Control Lever forward and then straight left to the nine o'clock position. Slowly release the Decelerator Pedal.
2. To counter-rotate the crawler to the right, push the Decelerator Pedal all the way down, push the Direction Control Lever forward and then straight right to the three o'clock position. Slowly release the Decelerator Pedal.

NOTE: *The Steering sensitivity has three settings and may be adjusted for operator or work preference.*

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LUBRICATION AND MAINTENANCE CHART

SERVICE INTERVAL	PAGE NUMBER	SERVICE POINTS	INITIAL	FREQUENCY IN HOURS					
				CHECK	CLEAN	CHANGE	DRAIN	LUBRICATE	REPLACE
As Required (AR)	5-8	Fan and Air Conditioning Drive Belt		AR					
	5-9	Clean Tracks			AR				
	5-9	Track Chain Tension		AR					
	5-11	Cab Air Filters		AR	AR				
Every 10 Hours	5-12	Engine Oil		10					
	5-12	Coolant Reservoir Fluid Level		10					
	5-13	Transmission and Hydraulic Fluid Level		10					
	5-13	Equipment Pivot Points						10	
	5-14	Initial Track Shoe Bolt Torque	20						
Every 50 Hours	5-15	Radiator Fluid Level		50					
	5-15	First Stage Fuel Filter for Water		50					
Every 250 Hours	5-16	Final Drive Oil Level		250					
Every 500 Hours	5-16	Engine Oil and Filter				500			
	5-20	Battery Fluid Level		500					
	5-21	Fuel Filters							500
Every 1000 Hours	5-22	Hydraulic Reservoir Breather Relief Valve			1000				
	5-24	Fuel Cap Breather			1000				
	5-24	Fuel Tank for Water		1000					
	5-23	Drive Shaft Slip Spline						1000	
	5-25	Final Drive Oil Change				1000			
See Dealer		Engine Valve Clearance		1000					
Every 2000 Hours	5-26	Engine Coolant							
	5-26	Engine Air Filter System							2000
	5-29	Hydraulic/Transmission Filter Change							2000
	5-30	Reservoir Suction Screens				2000			

Figure 7

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EVERY 2000 HOURS

CLEANING COOLING SYSTEM

Specifications . 50% ethylene glycol and 50% water
Coolant Capacity . . . . . 18.9 litres (5 gal)

Drain, flush, and replace the engine coolant every 2000 hours of operation or each year whichever occurs first. Clean the system and replace the coolant if the coolant becomes dirty or has the color of rust.

Coolant Solution

A mixture of 50% ethylene glycol and 50% water must be used in this machine. This mixture is used if the lowest ambient temperature is above -37° C (-34° F). If the ambient temperature is lower, adjust the mixture to attain a lower freeze point using the freeze point-concentration chart on the label of your antifreeze concentrate. Never use a coolant solution containing more than 60% glycol. It is recommended that ethylene glycol and water be used in your machine all year.

IMPORTANT: *After you fill the cooling system, mix the ethylene glycol and water completely by running the engine at operating temperature for approximately five minutes. This procedure must be done when the machine is in temperatures below 0° C (32° F).*

WARNING: *Hot coolant can spray out if radiator cap is removed. To remove radiator cap: Let system cool, turn to first notch, then wait until all pressure is released. Scalding can result from fast removal of radiator cap. Check and service engine cooling system according to maintenance instructions.*

SA023

If possible, drain the cooling system when the coolant is warm. **DO NOT** remove the radiator cap if the coolant is hot.

1. Open the radiator door.
2. Loosen and remove the radiator cap.
3. Place a container of suitable capacity under the drain valve and drain the radiator. The radiator drain is located under the left side of the radiator.
4. After all the coolant is removed, close the drain valve.
5. Add a cleaning solution to the cooling system and fill the cooling system with clean water. Follow the directions included with the cleaning solution.
6. After you drain the cleaning solution, flush with clean water.
7. Check the hoses, elbow, and water pump for leaks.
8. Make sure that the outside of the engine and radiator is clean.
9. Fill the cooling system slowly until the coolant level is up to the top of radiator opening.

NOTE: *Allow the venting of entrapped air when filling the cooling system until you have the correct quantity of coolant in the system.*

10. Install the radiator cap.
11. Fill the coolant reservoir up to the FULL mark on the reservoir.
12. Make sure all persons are clear of the machine. Start the engine and increase the temperature of the engine coolant. When the coolant is at operating temperature, stop the engine and allow to cool. Check the coolant level at the coolant reservoir only. Do not remove the radiator cap.

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