OPERATOR'S MANUAL

Tractor Loader LV80

NEW HOLLAND
CONSTRUCTION

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LV 80
OPERATOR'S MANUAL

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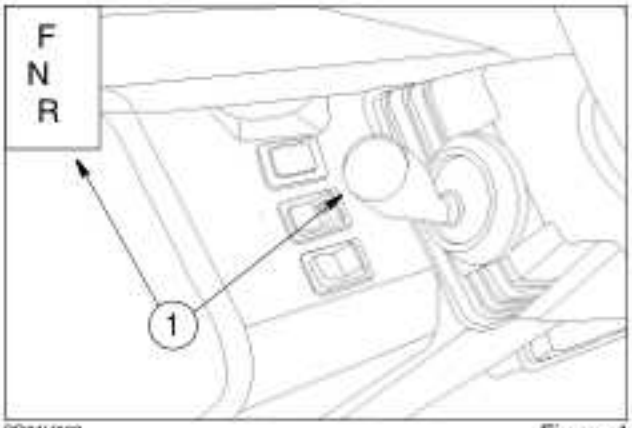
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TRANSMISSION CONTROLS

1. DIRECTION CONTROL LEVER



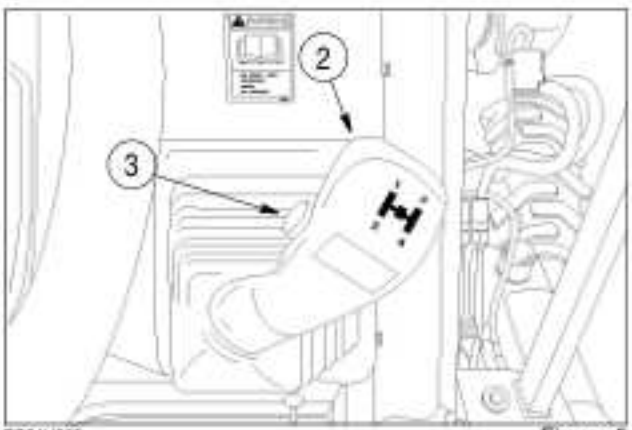
BO01H092 Figure 4

This lever controls the travel direction of the machine. The center position "N" is NEUTRAL. The top position "F" is FORWARD. To travel forward, lift the lever and push completely forward toward the "F" position. The bottom position "R" is REVERSE. To travel in reverse, lift the lever and pull completely rearward. Make sure the direction control lever is in "N" or NEUTRAL before you start the engine.

The direction control lever electrical circuit has an added feature which allows the operator to move the machine a short distance in the event the direction control lever receives intermittent signals that shift the transmission into neutral. By shifting the direction control lever to the opposite direction of travel that is desired, then back to the desired direction, the transmission will engage for approximately 5 seconds.

This procedure is to be used only in the event of an emergency when the unit must be moved to a safe location. Have the machine repaired immediately.

2. TRANSMISSION SHIFT LEVER



BO01H092 Figure 5

The transmission has synchromesh in all four gears. You can shift to any gear without stopping the machine. Push the transmission disconnect button on the transmission shift lever before you shift. Release the button to engage the transmission after the shift.

3. TRANSMISSION DISCONNECT BUTTON

Push this button before you shift the transmission gears. The transmission is in NEUTRAL when this button is pushed.

When shifting to a lower gear, reduce the travel speed before you shift.

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LUBRICATION AND MAINTENANCE CHART

SERVICE INTERVAL	PAGE NUMBER	SERVICE POINTS	NUMBER OF POINTS	FREQUENCY IN HOURS					
				CLEAN	CHANGE	CHECK	GREASE	DRAIN	REPLACE
Every 1000 Hours See Note 4.	30	Hydraulic Filter (See Note 4)	1						1000
	31	Hydraulic Fluid (See Note 4)	1		1000				
	Section 6, page 2	Battery Fluid Level				1000			
	35	Rear Axle Oil	3		1000				
	33	Transmission Fluid			1000				
	33	Transmission Filter and Breather		1000					1000
	37	Front Axle Oil (4 Wheel Drive)	3		1000				
	SM	Engine Valve Clearances				1000			
	19	Air Filter Elements							1000
Every 2000 Hours	25	Engine Coolant (See Note 6)			2000				

NOTE 1: *Service the air filter elements if the air filter warning lamp illuminates.*
NOTE 2: *Replace the hydraulic filter if the hydraulic filter warning lamp illuminates.*
NOTE 3: *Every 10 hours of operation or once each day, whichever comes first.*
NOTE 4: *Every 1000 hours of operation or one time each year, whichever comes first.*
NOTE 5: *Clean more frequently in dusty conditions.*
NOTE 6: *Every 2000 hours of operation or one time every two years, whichever comes first.*

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DIESEL FUEL SYSTEM

SERVICE SPECIFICATIONS

SERVICE SPECIFICATION		
Fuel tank capacity	115 Litres	(30.3 U.S. Gallons)
Usable fuel capacity	112 Litres	(29.5 U.S. Gallons)

SERVICE INTERVAL	
Draining water from main filter	50 hours - See Note 1
Draining water from the fuel tank	250 hours - See Note 2
Replacing the main fuel filter and in-line fuel filter	500 hours - See Note 3
NOTE 1: *Every 50 hours of operation or each week, whichever occurs first.*	
NOTE 2: *Every 250 hours of operation.*	
NOTE 3: *Every 500 hours of operation or if you have a loss of engine power.*	

DIESEL FUEL SPECIFICATIONS

The best fuel for this machine is one which meets the ASTM D975 specification for grade 2-D. Where this fuel is not available, a premium, reduced sulfur fuel meeting the Engine Manufacturers Association fuel quality practice FQP-1 grade 2-D may be substituted. The use of other fuels can cause a loss of power and increased fuel consumption.

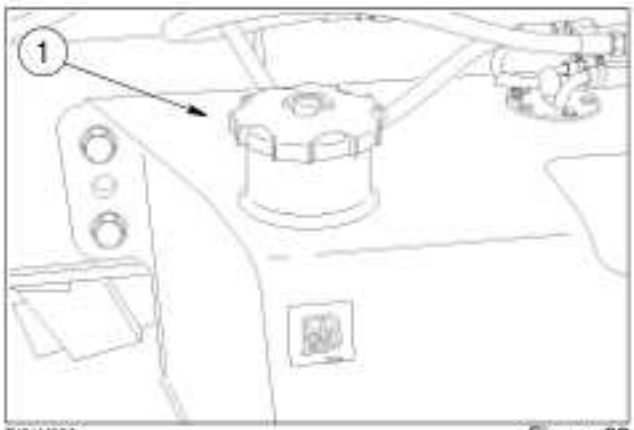
NOTE: *When the temperature is very cold, the use of a mixture of 1-D and 2-D Diesel fuel is permitted. See your fuel dealer for winter fuel requirements in your area.*

FUEL TANK

Fill the fuel tank (1) at the end of each day. A full tank will prevent water condensation. The use of Diesel Fuel Conditioner will also help this problem.

FUEL CONDITIONER

Diesel fuel conditioner is available from your After Sales Service Department of the Company. The conditioner will clean the fuel injectors, valves, and manifold; disperse insoluble gum deposits that form in the fuel system, separate moisture from the fuel and stabilize fuel in storage.



B01H003 Figure 62

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