1150K TIER 3
Crawler Dozer

Operator's Manual

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CASE CONSTRUCTION

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Chapter 2

SAFETY AND SAFETY DECALS

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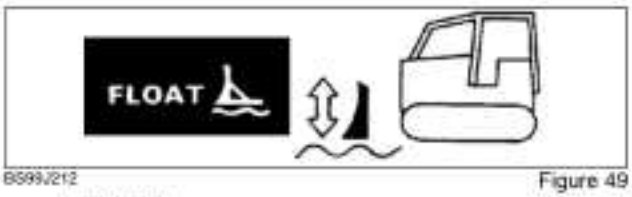
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DOZER BLADE CONTROL LEVER

1. THE DOZER BLADE CONTROL LEVER

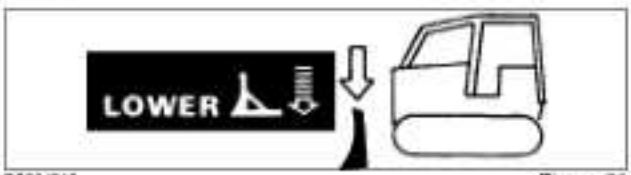
The dozer blade control lever is located on the right-hand console. Position A, FLOAT is the only position that the lever will remain in, without the operator holding the lever. In any other position, if the lever is released, the blade will stop and the lever will return to neutral or HOLD.



BS99J212 Figure 49

A. FLOAT:

Float (Detent): This is a detent position. When in the FLOAT (Detent) position, the blade can follow the level of the ground without movement of the control lever.

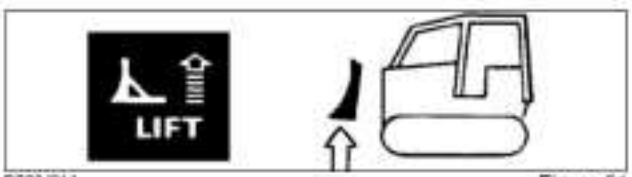


BS99J213 Figure 50

B. LOWER:

C. HOLD:

The blade will stop moving in the HOLD position. When released, the control lever will return automatically to the HOLD position.You must manually move the control lever from the FLOAT position to the HOLD position.

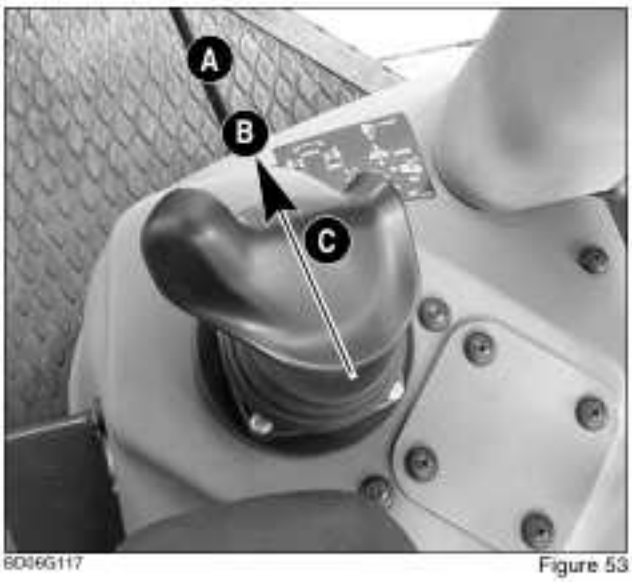


BS99J214 Figure 51

D. LIFT:



BD06G117 Figure 52



BD06G117 Figure 53



BD06G117 Figure 54

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LUBRICATION AND MAINTENANCE QUICK REFERENCE CHART

SERVICE INTERVAL	PAGE NUMBER	SERVICE POINTS	INITIAL	FREQUENCY IN HOURS					
				CHECK	CLEAN	CHANGE	DRAIN	LUBRICATE	REPLACE
As Required (AR)	5-10	Fan and Air Conditioning Drive Belt		AR					
	5-11	Clean Tracks			AR				
	5-11	Track Chain Tension		AR					
	5-13	Cab Air Filters		AR	AR				
Every 10 Hours	5-14	Engine Oil		10					
	5-14	Coolant Reservoir Fluid Level		10					
	5-15	Transmission and Hydraulic Fluid Level		10					
	5-15	Equipment Pivot Points						10	
Initial 20 Hours	5-16	Initial Track Shoe Bolt Torque	20						
Every 50 Hours	5-17	Radiator Fluid Level		50					
	5-17	First Stage Fuel Filter for Water		50					
	5-18	Equalizer Beam Pivots						50	
Every 250 Hours	5-19	Engine Oil and Filter				250			
	5-21	Final Drive Oil Level		250					
Every 500 Hours	5-22	Battery Fluid Level		500					
	5-23	Fuel Filters							500
	5-24	Crankcase Ventilation Filters							500
Every 1000 Hours	5-25	Hydraulic Reservoir Breather Relief Valve			1000				
	5-26	Fuel Cap Breather			1000				
	5-26	Fuel Tank for Water		1000					
	5-26	Drive Shaft Slip Spline						1000	
	5-27	Final Drive Oil Change				1000			
See Dealer		Engine Valve Clearance		1000					
Every 2000 Hours	5-28	Engine Coolant							
	5-29	Engine Air Filter System							2000
	5-31	Hydraulic /Transmission Fluid Change							2000
	5-31	Hydraulic/Transmission Filter Change							2000
	5-32	Reservoir Suction Screen				2000			

Figure 9

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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.



BD56E020 Figure 78

1. Remove the two bolts that secure the door and tip it out, as shown below.



BD30J215 Figure 79

1. RADIATOR DOOR



BD56E051 Figure 80

2. Loosen and remove the radiator cap.

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