

**SV208
SV210
SV212
SV216**
Vibratory Rollers
with Murphy Multi-Function Display

Operator's Manual

Print No. 84287230

1st edition
English 01/10



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

NOTES

SAFETY DECALS

The following safety decals have been placed on your machine in the areas indicated. The following graphics are for replacement location. Safety decals are intended for the personal safety of you and those working with you. Please take this manual, walk around your machine and note the content and location of these warning decals. Review these decals with all machine operators. It is the Owner's responsibility to keep the decals legible. If they are not, obtain replacements from your dealer. Part numbers are located on each decal.



WARNING: *Make sure that the decals are perfectly legible, clean them regularly and replace decals that are destroyed, lost painted over or no longer legible, with new ones. When parts bearing decals are replaced, be sure to put new decals on each new part.*

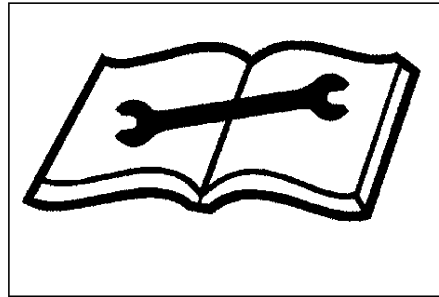
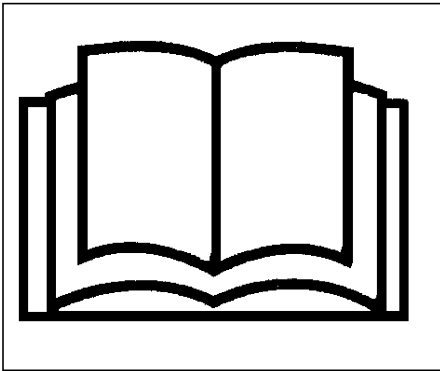
Figure 9



WARNING: *Injury or death can result if you cannot read a safety decal or if a safety decal is missing. Replace any missing or damaged safety decal and keep all safety decals clean. See your dealer for new safety decals.*

Figure 10

NOTE: *When you clean the decals, use only a cloth, water, and soap. Do not use solvent, gasoline, etc.*



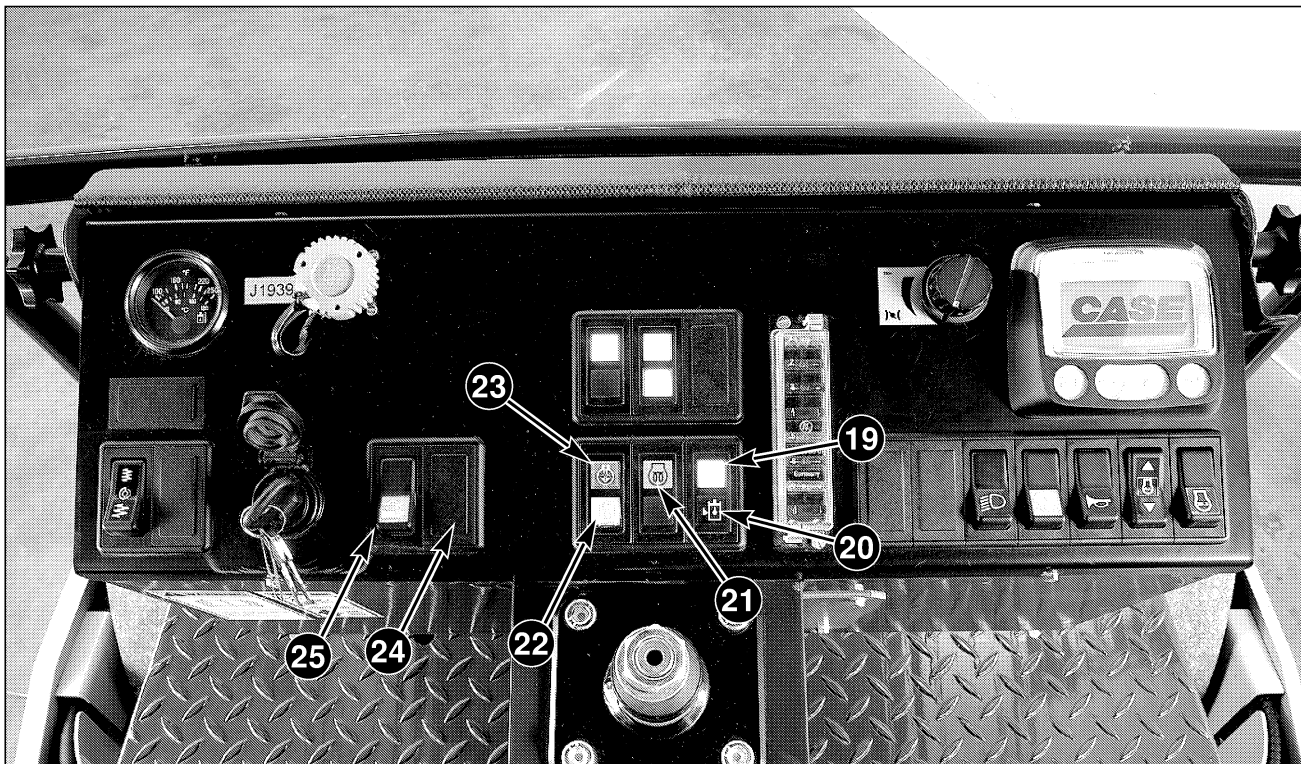
237187A*1 / BC00G075

Figure 11

READ OPERATORS MANUAL AND READ SERVICE MANUAL SYMBOLS

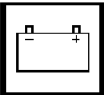
When these symbols are located on a decal or instruction the operator or service professional should refer to the appropriate manual for additional information regarding safety, maintenance, adjustments and/or procedures for specific areas of the machine.


NOTES





BD08H512


Figure 26


	<p>19. Battery Charge Warning Lamp:</p> <p>This warning lamp comes on when the starter key switch is in the ON position and it goes out in the STARTING position. If the warning lamp comes on when the engine is running this means that the alternator / fan belt is broken or that the alternator is not charging the batteries. move the machine to a safe place, stop the engine, remove the key and find the cause of the problem.</p>
	<p>CS16</p> <p>Figure 27</p>


	<p>22. Hydraulic Oil Filter Restriction Lamp:</p> <p>This lamp will illuminate if the Hydraulic Oil Filter is restricted or clogged. Service immediately.</p>
	<p>CS11</p> <p>Figure 30</p>

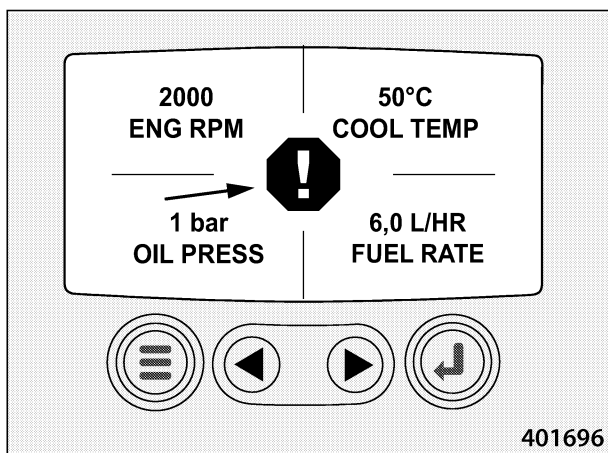
	<p>23. Engine Air Filter Restriction Lamp:</p> <p>This lamp will illuminate if the Engine Air Filter is restricted or clogged. Service immediately.</p>
	<p>CS10</p> <p>Figure 31</p>

	<p>20. Hydraulic Oil Level Warning Lamp:</p> <p>This lamp will illuminate when the Hydraulic Oil Level has reached an unacceptable level. The roller will stop and the engine will stop.</p>
	<p>CS15</p> <p>Figure 28</p>

	<p>24. Hazard Warning Signal Control:</p> <p>This two-position control is used, in an event of emergency. To activate the flashing hazard warning push the symbol portion of the switch. Turn the switch OFF by pushing the forward end.</p>
	<p>CS22</p> <p>Figure 32</p>

	<p>21. Engine Pre-Heat Lamp:</p> <p>This lamp when the key switch is turned on and the ambient temperature is low enough to require engine intake air to be pre-heated. If this lamp does illuminate the operator should wait until the lamp goes off before starting the engine.</p>
	<p>BC02N191</p> <p>Figure 29</p>

	<p>25. Drum Anti-Slip Control:</p> <p>Push this symbol on the switch to activate the Drum Anti-Slip Function. This function is for use when moving onto a transport vehicle. The Transport Speed Controller must be OFF before engaging this function.</p>
	<p>CS19A</p> <p>Figure 33</p>



401696

Or of 4 parameter display with warning icon for active failure in the centre.

NOTE: Press ENTER to display the hidden error code for failure. Press ENTER again to display again either with 1 parameter or 4 parameters.

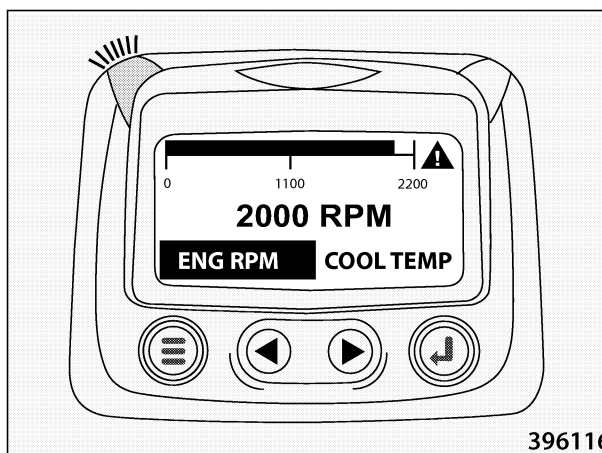
Until defect is eliminated the displaying of warning icon will remain active.

ATTENTION: Not eliminating or ignoring a failure will cause engine failure.

SIGNALING OF FUEL MINIMUM

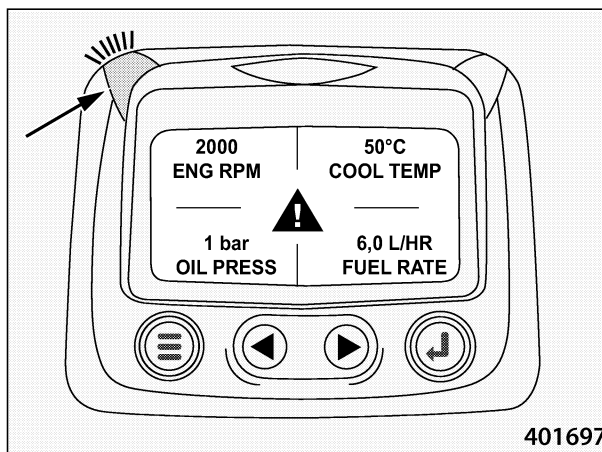


Fuel supply in the tank 19 % - 55 l (14.5 US gal) - approximately for 6 hours of operation.



396116

Press ENTER (return to menu will be displayed as single-item display)



401697

or four-item display.

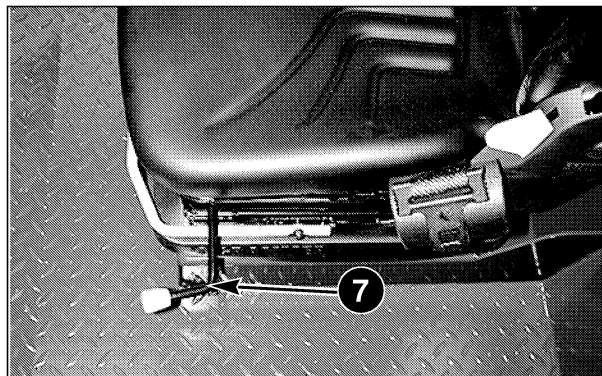


CT04G006

Figure 82

Armrest Adjustment

By turning the control shown (4) the arm rest may be raised or lowered for operator comfort.



CT04G007

Figure 85

Seat Pivoting Lever

To facilitate getting into and out of the operator's compartment, the seat can pivot to the right up to 50 degrees. Pull the lever (7) and then pivot the seat to the right until the lever engages. Carry out the same procedure to return it to the driving position.

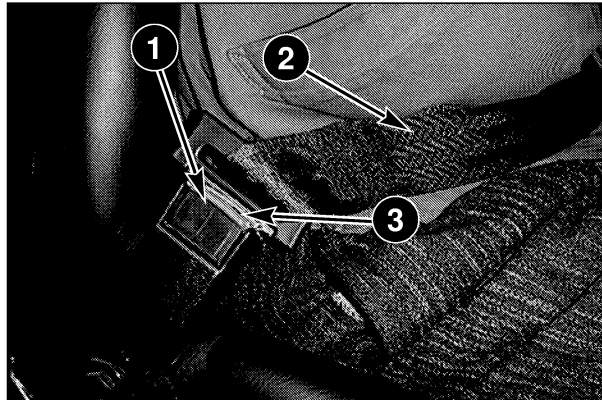


CD01G293

Figure 83

Cushion Fore and Aft

By lifting the lever (5) the seat may be moved forward and rearward.



BD07D016

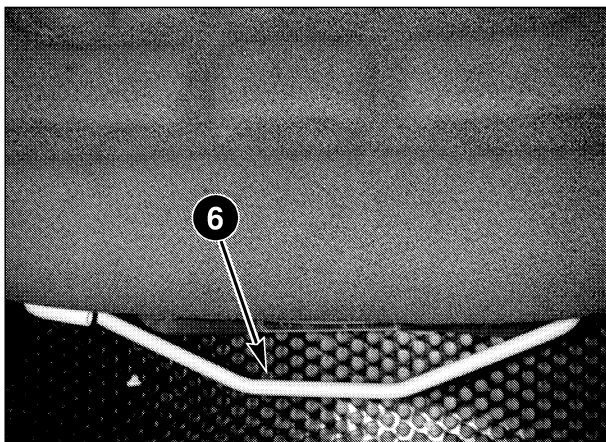
Figure 86

- 1. BUCKLE END
- 2. RETRACTABLE HALF
- 3. BUCKLE RELEASE

Seat yourself comfortably on the seat and pull out a considerable length of the retractable half of the seat strap. Buckle the latch end into the buckle end.

To release the belt push the red portion of the buckle end.

IMPORTANT: On a regular basis the belt attaching hardware should be checked for torque. Make sure that all retaining screws, bolts, etc. are kept tight.



CD01G291

Figure 84

Seat Fore and Aft

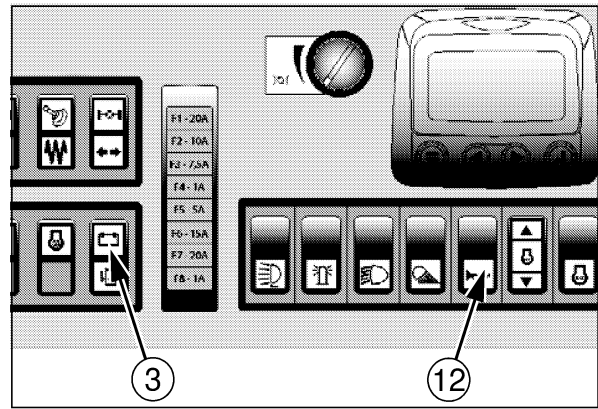
By lifting the lever (6) the seat may be moved forward and rearward.

WARNING: Always fasten the seat belt before starting and operating the machine.

Figure 87

8. Make sure that the battery charge warning lamp (3) goes out after starting up the engine.
9. Make sure that no-one is in the vicinity of the machine, and sound the horn (12) as a safety measure.

IMPORTANT: When the engine is running, regularly check the indicators, gauges and warning lights.



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

TILTING THE OPERATOR'S COMPARTMENT AND HOOD USING THE ELECTRIC HYDRAULIC SYSTEM (optional)

To permit easier access to the hydraulic components, the operator's compartment and the hood may be tilted.

SEQUENCE OF RAISING AND LOWERING



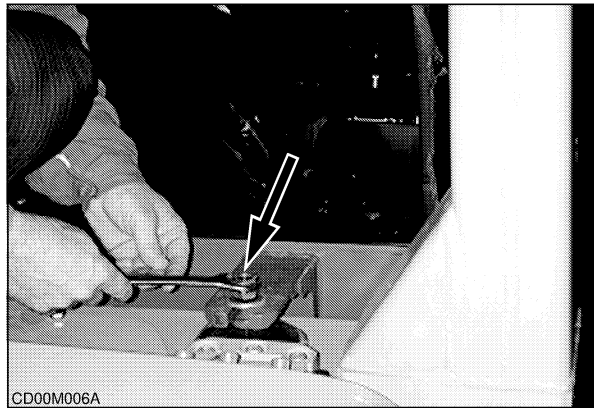
Before tilting the operator's compartment, make sure the doors are correctly closed, that no obstacle will interfere with complete tilting and that nobody is in the vicinity of the machine.

NOTE: Make sure that no movable object is inside the operator's compartment before tilting



Before opening the hood, make sure that no obstacle can interfere with its complete opening. Before opening or closing the hood, make sure that nobody is in the vicinity of the machine. Never travel or work with the hood open.

1. Remove the nuts at the rear end of the operator's compartment that attach brackets to rubberized metals.

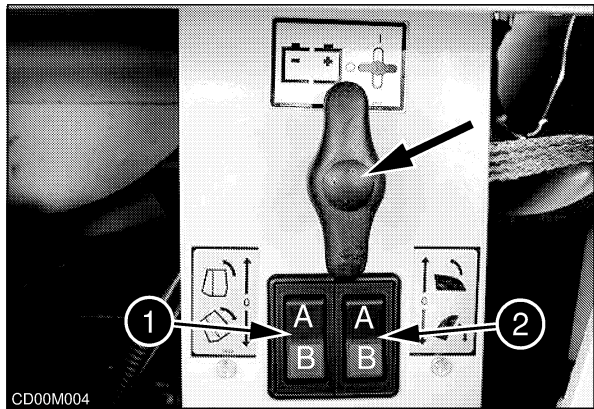


22

2. Switch power on by turning the battery master switch on.
3. Press and hold down push button switch (1) for raising the operator's compartment or push button switch (2) for hood raising in position (A) until the end of process. For lowering, press the switch and hold it in position (B) until the end.

NOTE: Lifting and lowering may be interrupted anytime by releasing the switch.

NOTE: Make sure that the controlling valve locking device is inoperative, otherwise it will cause a malfunction. See "Manual raising and lowering".

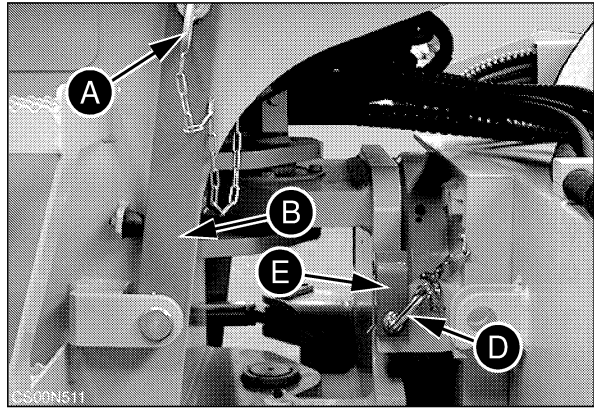


23

MACHINE ARTICULATION LOCKING

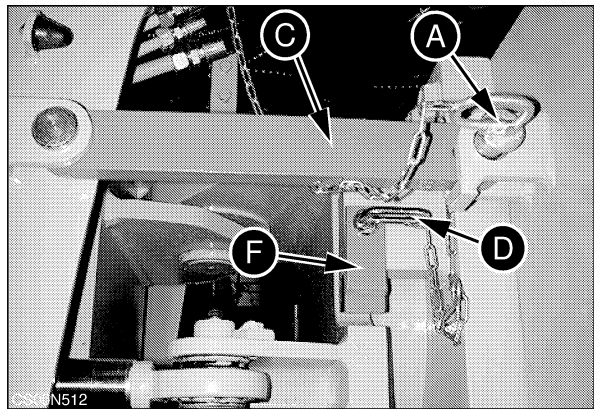
LOCKING

1. Lock the horizontal machine articulation. Remove the locking bar (B) retaining pin (A), place the bar in position (C) and install the retaining pin (A).



49

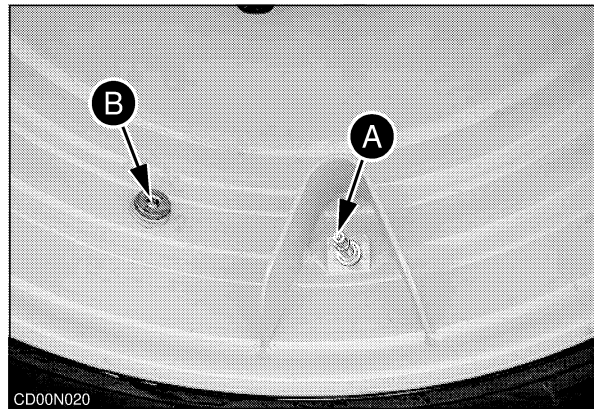
2. Lock the vertical machine articulation. Remove the retaining pin (D) from the locking system (E), bring it into position (F) and install the retaining pin (D).



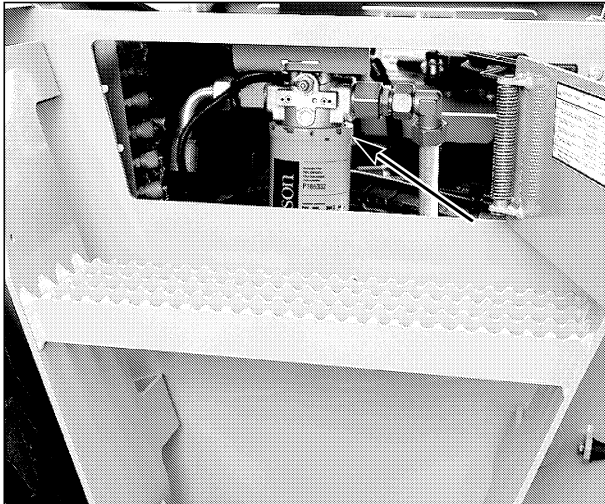
50

machine.

3. Release the wheel hydraulic motor brakes. See "Releasing the transmission and wheel hydraulic motor brakes".
4. Deflate the tires and unscrew the valves (A) and remove the plugs (B).
5. Spin the wheels manually so the valves (A) are at their highest possible point from the ground.
6. Install a filler hose in place of the plug (B). Contact your Dealer to obtain a hose.
7. Place the container or filler pump at a higher level and commence the filling operation.
8. Remove the filler hose, install the plug (B) and tighten the valve (A).
9. Repeat the filling operation for the other tire.
10. Remove the dust cap from the valve (A) and then inflate the tire to the recommended pressure. See "Tire pressures" in Section 5. Install the dust cap.
11. Inflate the other tire.
12. Reinststate the wheel hydraulic motor braking system.
13. Lower the rear of the machine to the ground.



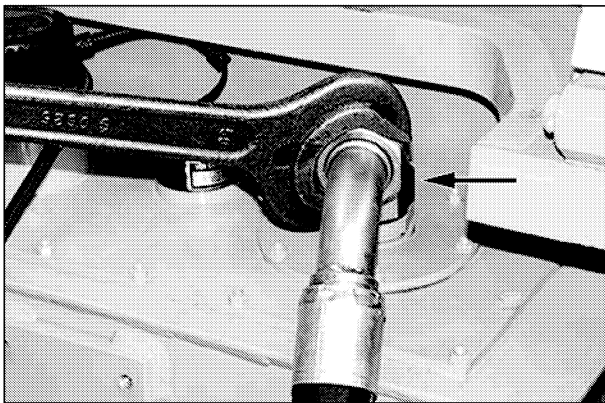
68



BD08J020

Figure 20

9. Clean the area around the hydraulic filter head and remove the old filter.
10. Lubricate the o ring of the new filter with clean oil and replace the filter.



BD08H732

Figure 21

11. Remove the suction strainer pipe fitting.
12. Remove the cover and remove the suction strainer from the reservoir.
13. Wash the suction strainer.
14. Wear full face protection and blow air through the inside, outward.
15. Inspect the strainer and replace the filtration section if there is damage.
16. Make a visual inspection of the interior of the reservoir. If impurities are in the bottom of the reservoir, flush with clean oil.
17. Wipe clean oil on the gasket and replace the suction strainer cover. Secure the nuts.

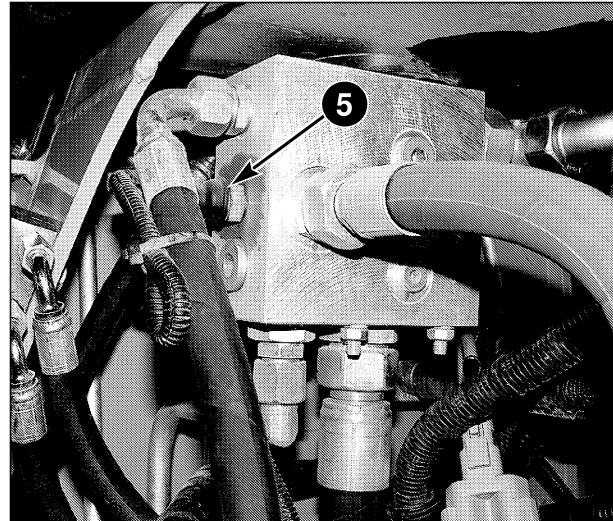


Figure 22

5. HYDRAULIC OIL SENSOR

18. Remove the hydraulic oil sensor and clean the contact. If possible, dip the sensor into heated oil and verify its accuracy. Replace the sensor, if it is not accurate.
19. Close the hydraulic reservoir drain valve.
20. Fill the hydraulic reservoir with new fluid. See below.

FILLING THE HYDRAULIC SYSTEM

There are two possible ways of filling the hydraulic system:

1. With a hydraulic reservoir filler station (see your Dealer for this device).
2. Without a filler station.

It is recommended to use a filler station as this has the effect of flushing out any foreign matter in the system and the lifetime of all components is thereby extended.

INITIAL DRUM GEARBOX OIL CHANGE

After the first 100 hours of a new machine or if a major component has been replaced or rebuilt, replace the drum gearbox oil. See oil change below.

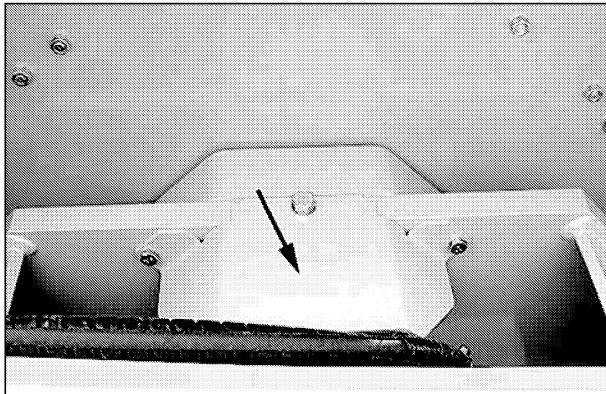
Service Specifications

- Oil level check . . . Every 250 hours or every 3 months
- Oil change Every 1000 hours or every 2 years
- Oil capacity SV208 - SV210 . . . 6.7 litres (1.77 gal US)
- Oil capacity SV212 - SV216 8 litres (2.1 gal US)
- Type of oil Case 135H EP Gear Lube 80W-90 or 85W-140

OIL LEVEL CHECK

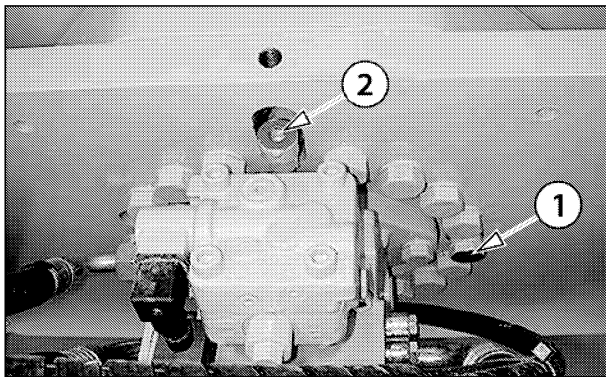
NOTE: *It is preferable to check the level while the oil is warm.*

1. Park the machine on flat, level ground.



BD08H710 Figure 56

1. Remove the cover.



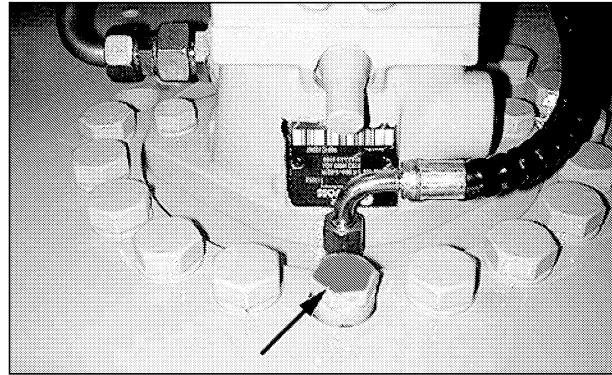
BD08H721 Figure 57

2. Remove plug 1. Oil should just be flowing from the hole or even with it. If necessary, add oil to fill plug 2.

OIL CHANGE

NOTE: *Change the oil while it is warm but not HOT to the touch.*

1. Park the machine on flat, level ground.
2. Remove the cover.



BD08H721 Figure 58

3. Remove the drain plug and drain into a suitable container.

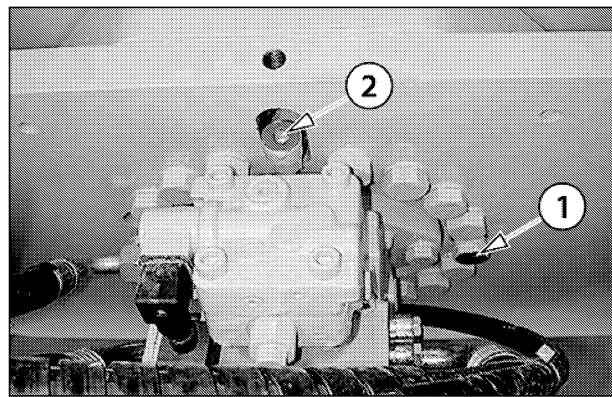


Figure 59

4. Remove plugs 1 and 2. When drained, reinstall drain plug.
5. Fill new oil into filler hole 2 until it just begins to flow from the orifice of plug 1.
6. Secure plug 1.
7. Secure plug 2.

Dust Ejector

The purpose of the dust ejector is to collect and eject any dust which has accumulated in the air filter automatically. It is important for the ejector to be kept in good condition. Check the condition of the ejector and replace it if necessary.

Under normal conditions the dust ejector will clean itself on start up. In certain environmental and work conditions it could stick closed. Check periodically and clean as necessary.

WARNING: Never use the machine if the dust ejector is damaged.

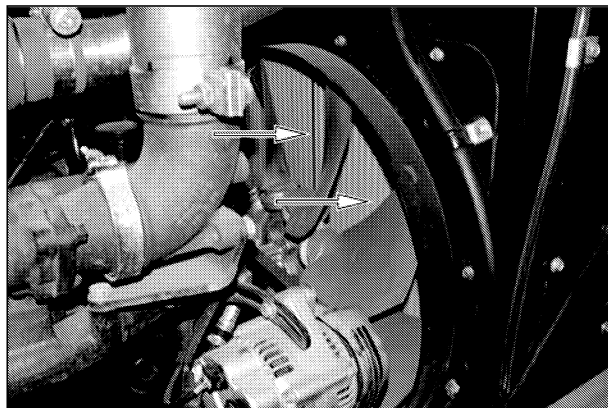
Figure 90

Restriction Warning Lamp

Check that the restriction warning lamp functions correctly.

1. Start the engine.
2. Remove the cap.
3. Obstruct air filter intake by covering the tub with paper or rags.
4. The restriction warning lamp must come on.
5. If it does not, look for the cause (defective bulb, bad contact, wire hardness) and restart the operation.

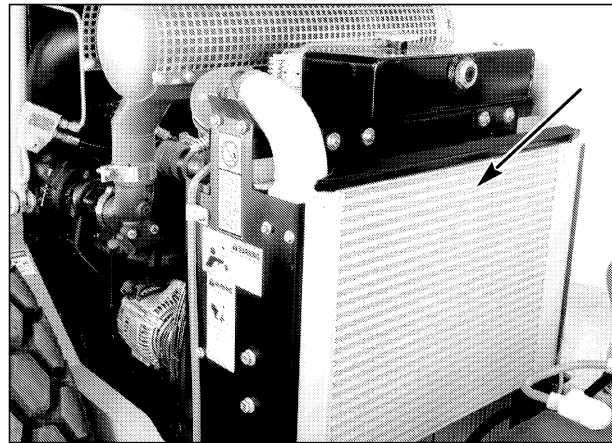
Engine - Hydraulic Coolers And Engine Area



BD08H753

Figure 91

Check that the engine and hydraulic coolers are kept clean and clear of dirt and debris.



BD08J034

Figure 92

Check the engine area in general for dirt and debris build up. Keep component parts from being dirt and debris covered. Overheating of the engine and components may cause damage to the machine.

WARNING: Do not use extreme high pressure to clean the cooler honeycombs. Damage to the cooler may occur.

SCRAPERS

SERVICE SPECIFICATIONS

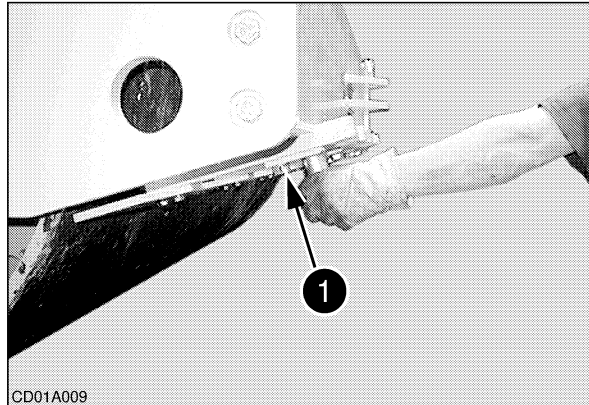
Check Regularly

IMPORTANT: Be sure to keep the clearance between the drum and the scrapers to the dimensions given below. If the scrapers are too close at one end of the drum the machine will tend to steer towards that side, thereby causing damage.

SMOOTH DRUM

Check the clearance between the scrapers and the drum. The distance must be 15 mm (0.6 in). If necessary, loosen the mounting hardware, move the holder (1) towards the drum until the clearance is 15 mm (0.6 in) and then re-tighten the mounting hardware.

NOTE: If it is not possible to reduce the clearance to 15 mm (0.6 in), remove the hardware and the scraper (2), install them in the next holder orifice so as to be able to obtain a clearance of 15 mm (0.6 in) and then tighten the hardware.

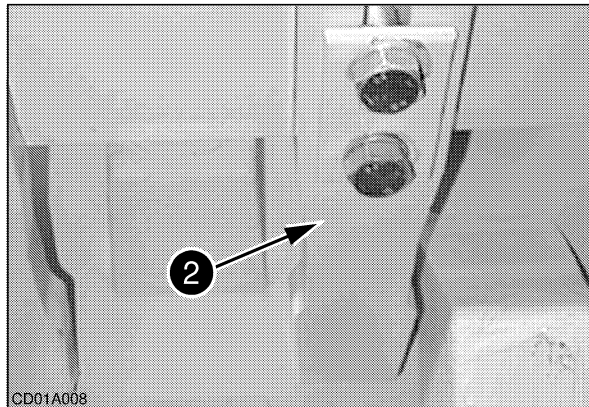


8

TAMPING DRUM

Check the clearance between the scrapers and the drum. The distance must be 25 mm (1 in). If necessary, loosen the mounting hardware, move the scraper (2) towards the drum until the clearance is 25 mm (1 in) and then re-tighten the mounting hardware.

NOTE: The rear scrapers are longer than the front ones. When it becomes necessary to replace rear scrapers, use them to replace scrapers at the front of the drum and install new scrapers at the rear.



9

7. Keep the batteries dry and clean.

IMPORTANT: *The batteries deteriorate, especially in winter. At low temperatures they have only part of their capacity available for starting the machine as compared to the capacity under normal conditions. Therefore, we recommend you test the condition of the battery electrolyte and recharge the battery, if necessary.*

NOTE: *Should the machine not be used during very cold periods for a couple of weeks, remove the batteries and store them in a warm place, to prevent them being damaged by freezing.*

Booster Batterie

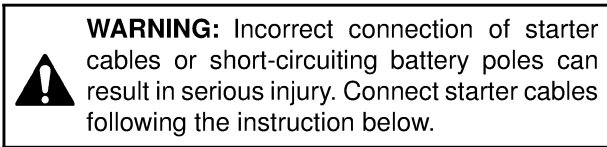


Figure 2

Check that the voltage of booster batteries is compatible with the machine's electrical system (24 volts).

1. Remove the terminal protection caps.
2. Connect the positive (+) starter cable to the positive (+) pole of the first machine battery.
3. Connect the negative (-) starter cable to the negative (-) pole of the second machine battery.
4. Start the engine.
5. Disconnect the booster battery negative (-) starter cable and then the booster battery positive (+) cable.
6. Install the terminal protection caps.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL