865 DHP
Grader
Electronic Engine

Operator's Manual
Revision Date: 03/2005

Brz 6-84181NA

CASE CONSTRUCTION

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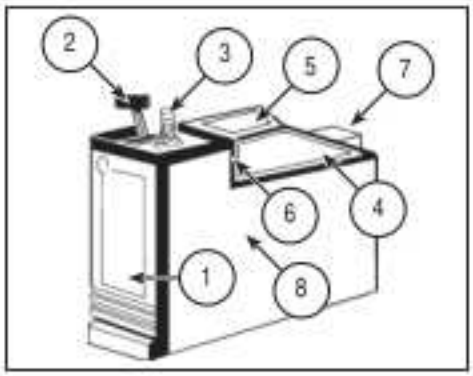
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GROUP 3

Dashboard, transmission control lever, throttle control lever, fuse box and master switch.



1. FUSE BOX
2. THROTTLE CONTROL LEVER
3. TRANSMISSION CONTROL LEVER
4. TOGGLE/ROCKER SWITCH PANEL
5. GAUGE PANEL
6. IGNITION SWITCH
7. MASTER SWITCH
8. POWER TAKE OFF

1. FUSE BOX



In the fuse box are installed all the grader fuses.

For the identification of the fuses, refer to the electrical diagram.

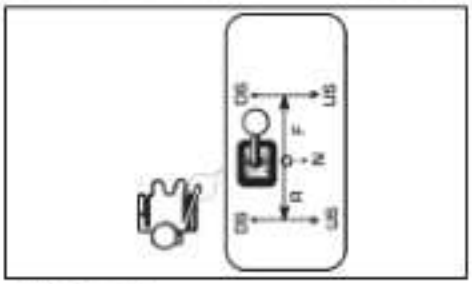
2. THROTTLE CONTROL LEVER



The engine will remain at low idle with the throttle control lever all the way forward and engine speed will increase as the lever is pulled back.

3. TRANSMISSION CONTROL LEVER





SHIFT PATTERN:
R • REVERSE
F • FORWARD
N • NEUTRAL
DS • DOWN SHIFT
UP • UP SHIFT

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FLUIDS AND LUBRICANTS

COMPONENTS	CAPACITY Liters	CAPACITY US Gal.	SPECIFICATIONS
Fuel tank (total capacity)	341.0	90.0	Diesel Nº2
Engine oil			Nº1 Engine Oil
(with filter change)	21.1	5.5	SAE15W-40 API CH-4 or CG-4
(without filter change)	18.9	4.8	MAT 3507 (MS 1121)
Engine Cooling System			WATER (50%) + ETHYLENE GLICOL (50%)
(total capacity)	40.0	10.5	MS.1710
Hydraulic System			
Total capacity	180.0	47.5	HY-TRAN ULTRA
Hydraulic tank with filter	94.6	25.0	MAT 3505 (MS 1209)
Transmission			
Refill capacity (with filter change)	25.0	6.4	HY-TRAN ULTRA
Refill capacity (without filter change)	19.0	5.0	MAT 3505 (MS 1209)
Rear Axle Graziano Model - STD			
- Center compartment	29.0	7.7	HY-TRAN ULTRA
- End/Brake compartment (each)	5.0	1.33	MAT 3505 (MS 1209)
Rear Axle Clark Model - OPTIONAL			
- Center compartment	12.0	3.2	HY-TRAN ULTRA
- Planetary hubs (each)	6.0	1.6	MAT 3505 (MS 1209)
Tandem Drive Case (Graziano Axle)			
Refill capacity (each)	29.0	7.7	SAE 80W-90 135H EPAPI GL5
Tandem Drive Case (Clark Axle)			
Refill capacity (each)	22.5	5.9	SAE 80W-90 135H EPAPI GL5
Circle Turn Gear Reducer			
Refill capacity	2.8	0.75	SAE 80W-90 135H EPAPI GL5
Grease fittings , Rear Ripper Rear Ripper , Front Scarifier or Dozer Blade	–	–	CASE molydisulfide grease

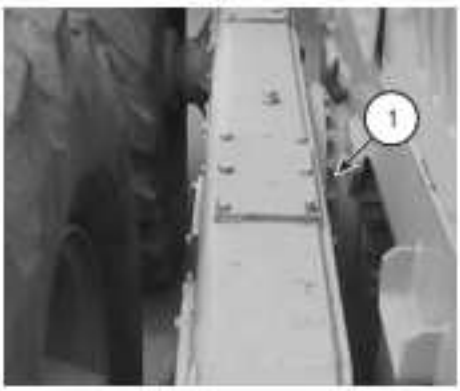
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GREASE FITTINGS
EACH 500 HOURS SERVICES

See Fluids and Lubricants for grease specifications.

Tandem central bearings

There are four (4) lube points for each tandem. Lubricate wit 14 to 20 grease shots.



1. TANDEM CENTRAL BEARINGS

Front wheel bearings

Loosen fixing bolts and remove cover.

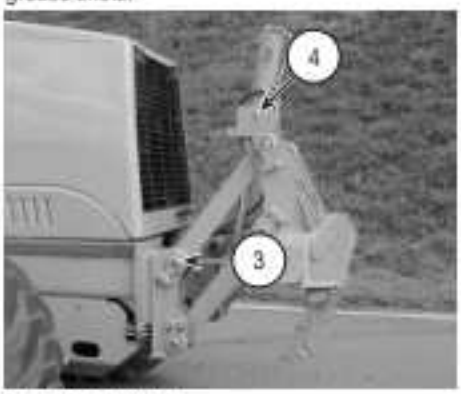
Remove grease, clean bearing housing and fill it with 0.9 kg (each) of the specified grease. For more information see Fluids and Lubricants.



2. FRONT WHEELS BEARINGS

Rear ripper pivots and cylinder

There are eight (8) lube points for ripper linkage and two (2) for the cylinder. Lubricate wit 4 to 6 grease shots.



3. RIPPER PIVOTS
4. RIPPER CYLINDER

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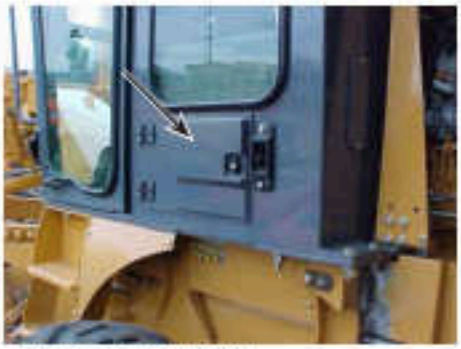
ACCESS DOORS



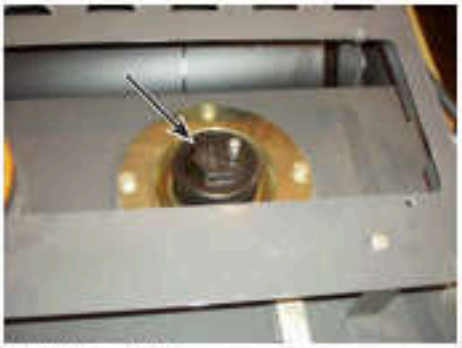
ENGINE ACCESS HOOD



FUSE BOX



CAB FILTER ACCESS DOOR



HYDRAULIC FLUID

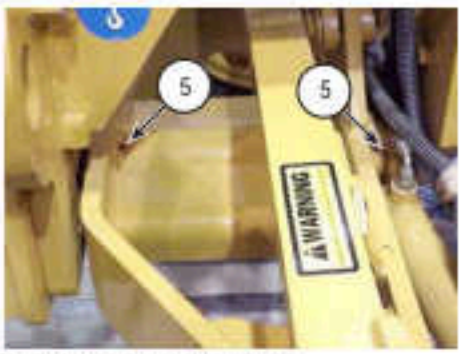


WINDSHIELD WASHER RESERVOIR

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Front axle spindle pivot

There are two (2) lube points. Lubricate with 6 to 12 shots each.



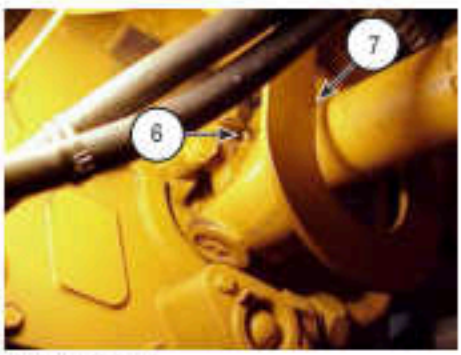
5. FRONT AXLE SPINDLE PIVOT

Universal joint and drive shaft

There are tree (3) lube points. Lubricate with 4 to 6 shots each.



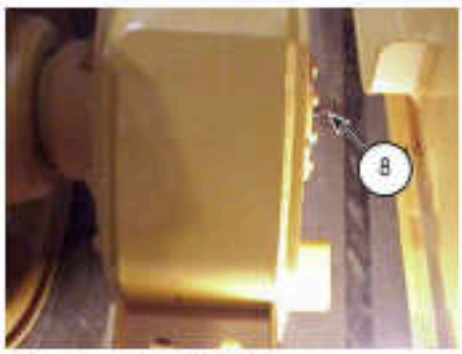
6. UNIVERSAL JOINT



7. DRIVE SHAFT

Tandem wheel shaft bearings

There are eight (8) lube points. Lubricate with 6 to 12 shots each.



8. WHEEL SHAFT BEARINGS

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