Operation & Maintenance Manual

SEAM000807

KOMATSU®

HD325-6

DUMP TRUCK

SERIAL NUMBERS HD325-6 - 5718 and up

January 1999

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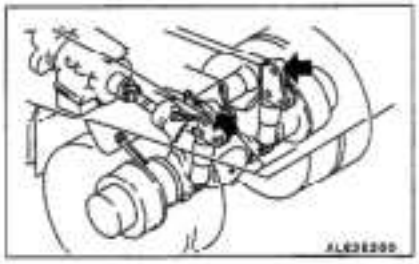
24.4 EVERY 50 HOURS SERVICE

24.4.1 LUBRICATION

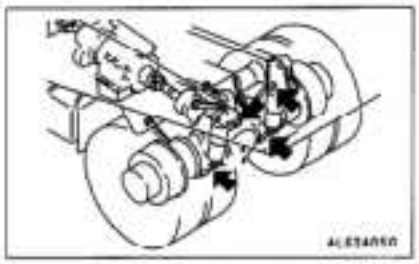
1. Stop the engine.
2. Use the grease pump to pump in grease through the grease fitting marked by the arrow.
3. After greasing, wipe off all the old grease that is pushed out.

Carry out the greasing operation every day when operating in places where the grease flows out easily, such as when traveling through mud or water.

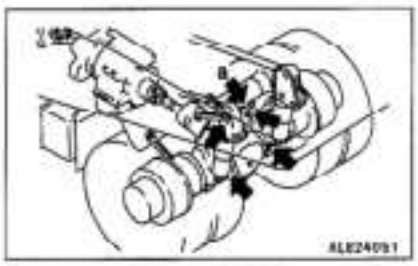
1. Dump body hinge pin (left and right: 1 point each)



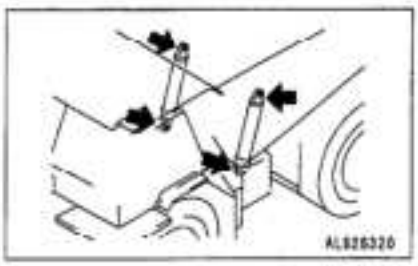
2. Rear suspension (left and right: 2 points each)



3. Rear axle support (left and right: 4 points each)
   Portion a is for centralized greasing (4 points)



4. Hoist cylinder pin (left and right: 2 points each)



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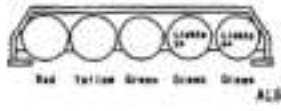
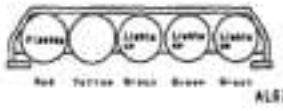
26.2.1 PREDICTION DISPLAY

- The weight of the load changes in stages as each bucket is emptied into the dump body. The average weight of the load up to that point is calculated to predict what the weight of the load will be
  if one more bucket is loaded. The appropriate lamp flashes, so it is possible to adjust the weight of the next load when operating the loader.

The prediction display for the load level and the actual load display are shown at the same time.

Example:
1st bucket: 6.5 tons
2nd bucket: 8 tons (14.5 tons)
3rd bucket: 8 tons (22.5 tons)
4th bucket: 8 tons (30.5 tons)

If the load changes as above, the external display lamps will give the display in the table below.

No. of loads	External display lamp	Remarks
1st bucket		• The weight actually loaded is 6.5 tons, so no lamp lights up. • The predicted load is 13 tons (6.5 tons x 2), so the first green lamp flashes
2nd bucket		• The weight actually loaded is 14.5 tons (6.5 tons + 8 tons), so two green lamps light up. • The predicted load is 21.8 tons (14.5 tons + 14.5/2 tons), so no lamp flashes.
3rd bucket		• The weight actually loaded is 22.5 tons (14.5 tons + 8 tons), so two green lamps stay lighted up. • The predicted load is 30 tons (22.5 tons + 22.5/3 tons), so the 3rd lamp flashes.
4th bucket		• The weight actually loaded is 30.5 tons (22.5 tons + 8 tons), so three green lamps light up. • The predicted load is 38.1 tons (30.5 tons + 30.5/4 tons), so the red lamp flashes.

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34.2 METHOD OF OPERATION

34.2.1 ACTUATION OF ARSC SYSTEM

The ARSC system is actuated when the system switch is ON.

If the set switch on the ARSC set lever is pressed, the travel speed at that moment is set as the downhill travel speed. If the travel speed exceeds the set downhill speed, the retarder is automatically actuated.

The set travel speed is displayed on the set travel speed display and is stored in memory.

If the accelerator pedal is depressed when the ARSC is being operated, the ARSC is canceled and the speed increases.

If the foot brake or retarder control lever are operated when the ARSC is being used, it is possible to reduce the speed or stop the machine.

34.2.2 SET SPEED

The set range for the travel speed depends on the selection of the shift lever as shown below.

When the shift lever is at positions D, 5, 4, 3, L, the set speed range is 10 – 55 km/h (6.2 – 34.2 MPH)

The travel speed cannot be set when the shift lever is at N or R.

If the actual travel speed is less than 10 km/h (6.2 MPH) when the setting operation is carried out, 10 km/h is set.

At all other times, the actual travel speed is set.

34.2.3 METHOD OF CARRYING OUT FINE ADJUSTMENT OF SET TRAVEL SPEED

To raise the set travel speed 1 km/h (0.6 MPH), push the ARSC set lever forward once.

To raise the set travel speed 1 km/h (0.6 MPH), pull the ARSC set lever back once.

REMARK

Release the ARSC set lever after changing the set travel speed.

If the set switch and cancel are operated at the same time, the cancel operation is given priority.

If the set switch and tap up are operated at the same time, the tap up operation is given priority.

If the set switch and tap down are operated at the same time, the tap down operation is given priority.

The tap up and tap down operations are used for making fine adjustment of the set travel speed.

It is possible to adjust the set travel speed ± 5 km/h (3.1 MPH) when traveling in ARSC (when the accelerator pedal is released). When the accelerator pedal is being depressed, the ARSC is canceled, so it is possible to operate freely in a range from 10 to 55 km/h (from 6.2 to 34.2 MPH).

34.2.4 METHOD OF INCREASING SET SPEED

If it is desired to increase the set speed, depress the accelerator pedal to increase speed, and when the desired set travel speed is reached, press the set switch on the ARSC set lever. The set travel speed will be changed to the new speed.

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