TEN00344-01

Operation & Maintenance Manual

ARTICULATED
DUMP TRUCK

HM300-2

SERIAL NUMBERS 2785 and up

ecot3

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

KOMATSU®

MidWestTech | Komatsu HM300-2 Dump Truck Operation & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

DUST INDICATOR ---- 3- 46
CIRCUIT BREAKER ---- 3- 46
FUSES ---- 3- 47
CAR RADIO ---- 3- 50
CAR STEREO ---- 3- 56
AIR CONDITIONER ---- 3- 64
OPERATION ---- 3- 69
CHECK BEFORE STARTING ENGINE ---- 3- 69
STARTING ENGINE ---- 3- 84
OPERATIONS, CHECKS AFTER STARTING ENGINE ---- 3- 86
STOPPING ENGINE ---- 3- 87
CHECKS AFTER STOPPING ENGINE ---- 3- 87
MOVING MACHINE OFF (FORWARD, REVERSE), STOPPING ---- 3- 88
SHIFTING GEAR ---- 3- 93
TRAVELING DOWNHILL ---- 3- 95
STEERING THE MACHINE ---- 3-101
OPERATION USING DIFFERENTIAL LOCK ---- 3-102
LOADING OPERATIONS ---- 3-103
DUMP OPERATIONS ---- 3-105
CAB TILT OPERATION ---- 3-107
PRECAUTIONS FOR OPERATION ---- 3-110
PARKING MACHINE ---- 3-111
CHECKS AFTER COMPLETION OF WORK ---- 3-112
LOCKING ---- 3-112
HANDLING TIRES ---- 3-113
DETERMINING AND MAINTAINING TRAVEL ROAD ---- 3-114
DETERMINING TRAVEL ROAD ---- 3-114
MAINTAINING TRAVEL ROAD ---- 3-114
TRANSPORTATION ---- 3-115
PRECAUTIONS WHEN TRANSPORTING ---- 3-115
STEPS FOR TRANSPORTATION ---- 3-115
METHOD OF SECURING MACHINE ---- 3-116
METHOD OF LIFTING MACHINE ---- 3-117
COLD WEATHER OPERATION ---- 3-121
PRECAUTIONS FOR LOW TEMPERATURE ---- 3-121
PRECAUTIONS AFTER COMPLETION OF WORK ---- 3-122
AFTER COLD WEATHER ---- 3-123
LONG-TERM STORAGE ---- 3-124
BEFORE STORAGE ---- 3-124
DURING STORAGE ---- 3-124
AFTER STORAGE ---- 3-124
PRECAUTIONS BEFORE TRAVELING AFTER LONG-TERM STORAGE ---- 3-124
TROUBLESHOOTING ---- 3-125
AFTER RUNNING OUT OF FUEL ---- 3-125
IF TRANSMISSION HAS TROUBLE ---- 3-126
METHOD OF LOWERING DUMP BODY IN EMERGENCY ---- 3-126
METHOD OF TOWING MACHINE ---- 3-127
IF BATTERY IS DISCHARGED ---- 3-131
OTHER TROUBLE ---- 3-135
MAINTENANCE ---- 4- 1

MidWestTech | Komatsu HM300-2 Dump Truck Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

ADJUST SEAT BELT

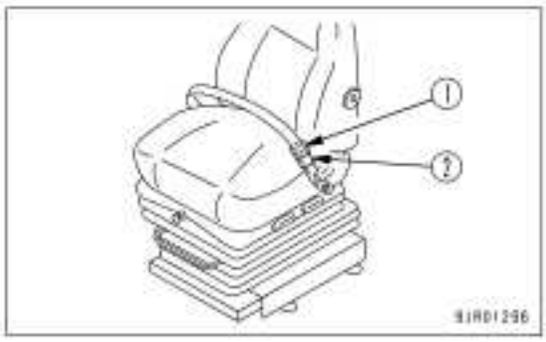
WARNING

- **Before fitting the seat belt, check the belt mounting bracket and seat belt to check that there is no abnormality. If it is worn or damaged, replace the seat belt.**
- **Even if there appears to be no problem in the seat belt, replace the seat belt once every 3 years. The date of manufacture is woven on the reverse side of the belt.**
- **Adjust and fasten the seat belt before starting to travel.**
- **Always use the seat belt when traveling.**
- **Do not use the seat belt with either half of the belt twisted.**

Fastening and removing belt

Fit the seat belt so that it fits tightly, without being too tight.

1. Sit on the seat, depress the brake pedal fully, and adjust the seat so that your back is pressed against the backrest.
2. Sit in the seat, pull the right side of the belt, then insert tongue (1) into buckle (2) until a click is heard.
   Fit the belt so that it follows your body and is not twisted.
3. When removing the belt, press the red button in buckle (2) to free the belt.



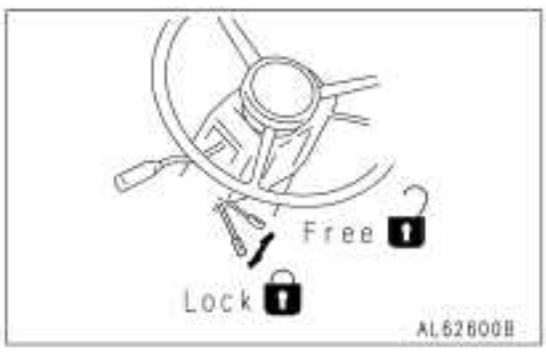
ADJUST STEERING WHEEL TILT

WARNING

Always stop the machine before adjusting the tilt of the steering wheel.

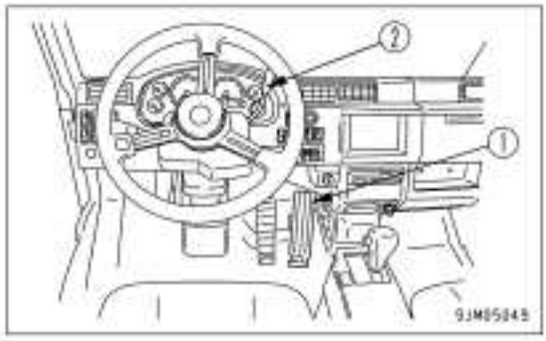
It is possible to tilt the steering wheel to the front or rear and to adjust the height. Pull the lever up and set the steering wheel to the desired position, then push the lever down to fix the steering wheel securely in position.

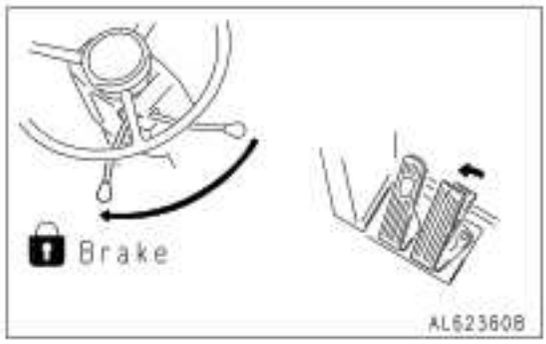
Amount of adjustment: Front/rear: 80 mm/80 mm (3.2 in/3.2 in)
(from center of steering wheel)
Up: 33 mm (1.3 in)
Down: 17 mm (0.7 in)



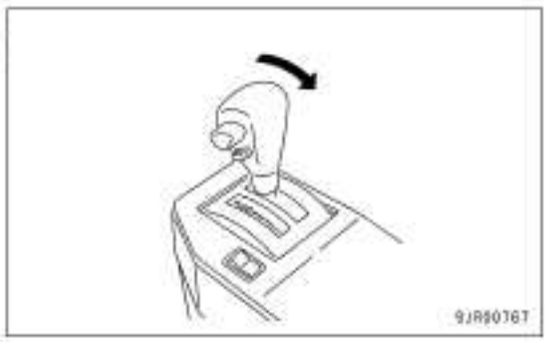
MidWestTech | Komatsu HM300-2 Dump Truck Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

1. Let accelerator pedal (1) back before starting to travel downhill and operate retarder control lever (2) to reduce speed.

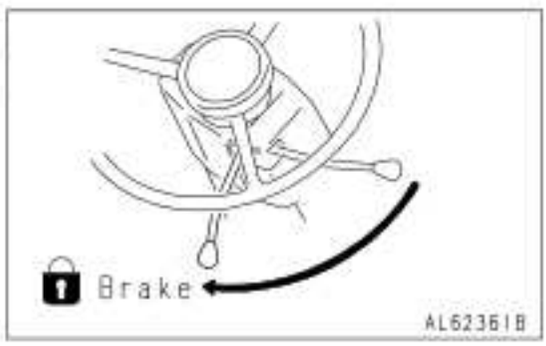




2. Move the gear shift lever to the position (5, 4, 3, 2) that matches the maximum permitted speed on the brake performance curve.



3. When traveling downhill, operate retarder control lever (2), set the engine speed to above 1800 rpm, and travel so that the indicator of the retarder oil temperature gauge is within the white range.



MidWestTech | Komatsu HM300-2 Dump Truck Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

EVERY 250 HOURS SERVICE

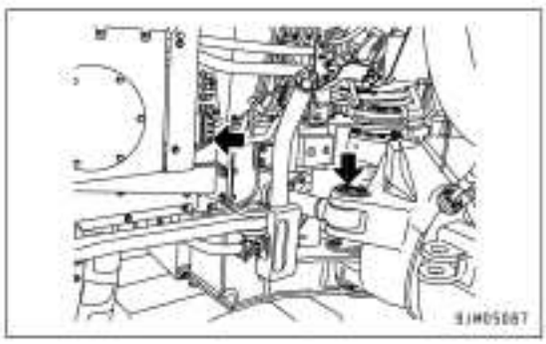
Maintenance for every 50 hours service should be carried out at the same time.

LUBRICATION

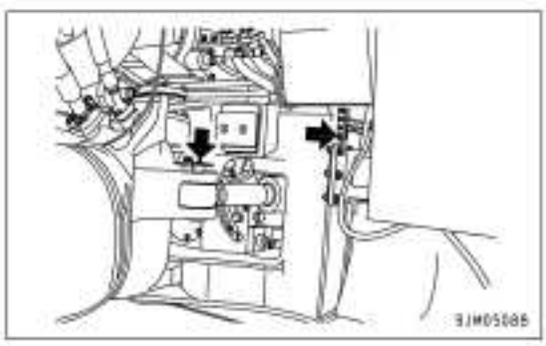
1. Stop the engine.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows.
3. Check visually that the greasing has been carried out properly.
4. After greasing, wipe off any old grease that was pushed out.

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.

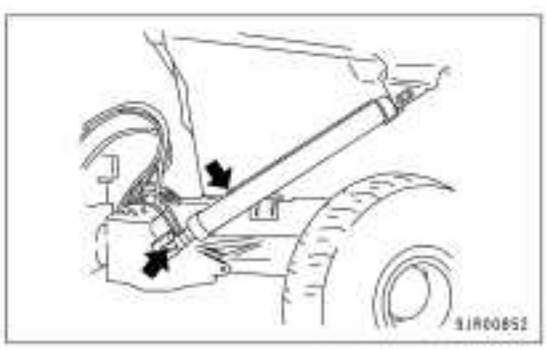
(1) Steering cylinder (left) (2 places)



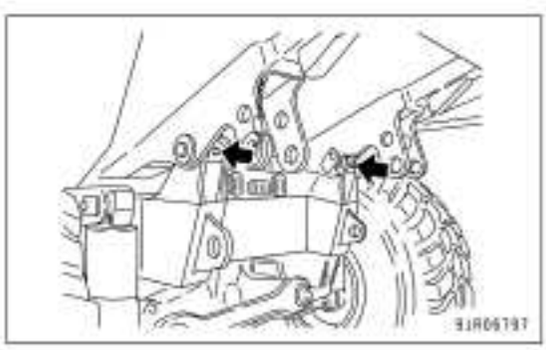
(2) Steering cylinder (right) (2 places)



(3) Hoist cylinder (left and right: 2 places each)



(4) Body hinge pin (2 places)



MidWestTech | Komatsu HM300-2 Dump Truck Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >