TEN00050-12

Operation & Maintenance Manual

ARTICULATED
DUMP TRUCK

HM400-1

SERIAL NUMBERS 1276 and up

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.

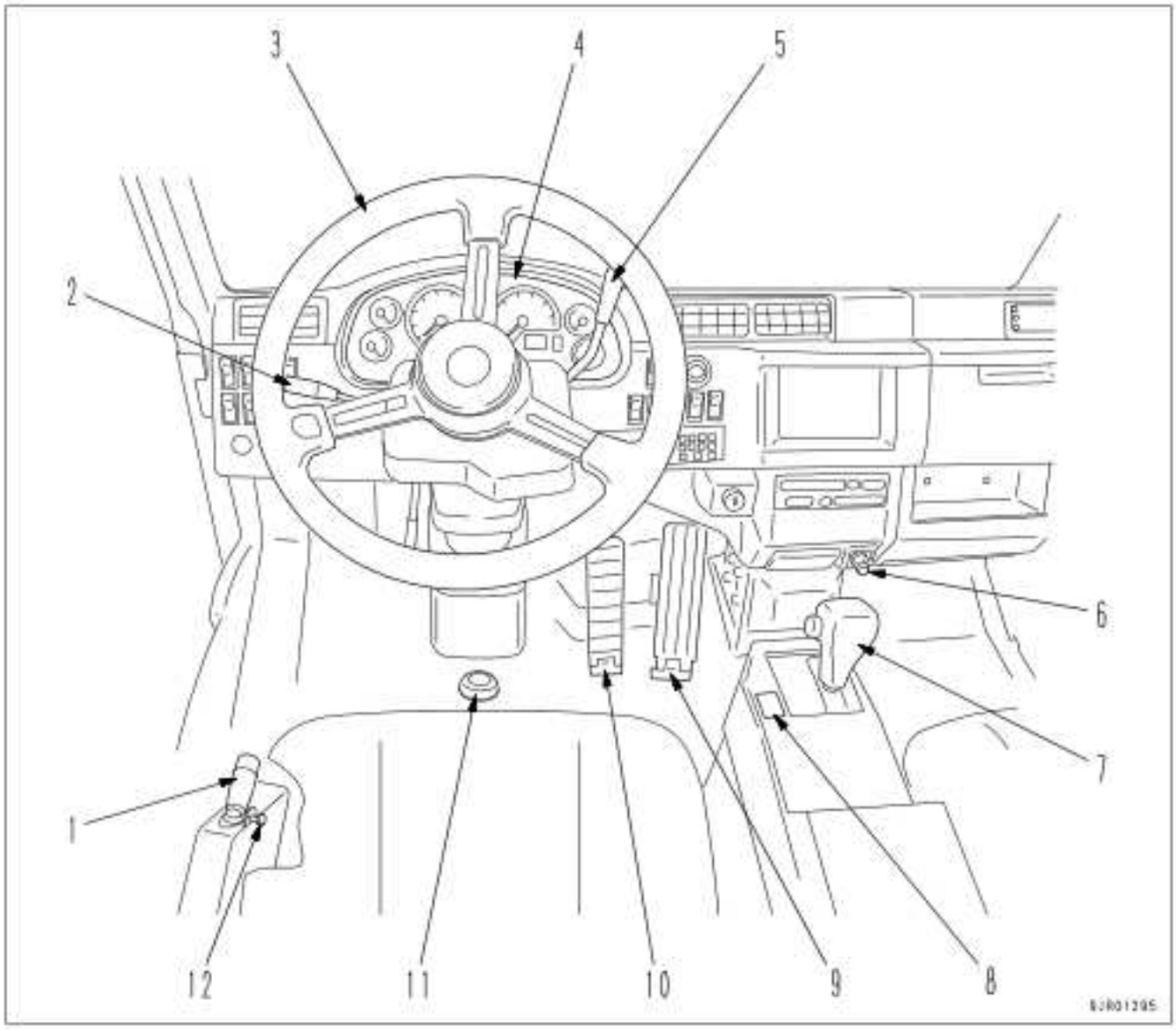
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GENERAL VIEW OF CONTROLS AND GAUGES



(1) Dump lever
(2) Lamp switch, Turn signal lever, Dimmer switch
(3) Steering wheel
(4) Machine monitor
(5) Retarder control lever
(6) Cigarette lighter
(7) Gear shift lever
(8) Parking brake switch
(9) Accelerator pedal
(10) Brake pedal
(11) Left and right differential lock pedal
(12) Dump lever lock knob

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METHOD OF LIFTING MACHINE

When lifting the machine at a port or any other place, always use the following procedure to lift it.

⚠ WARNING

- **The operator performing the lifting operation using a crane must be a properly qualified crane operator.**
- **Never raise the machine with any worker on it.**
- **Always make sure that the wire rope is of ample strength for the weight of this machine.**
- **When lifting, keep the machine horizontal.**
- **Before starting the lifting operation, always stop the engine, apply the parking brake, and use the articulation lock to prevent the front frame from articulating.**
- **Never enter the area around or under the machine when it is raised.**

Never try to lift the machine in any posture other than the posture given in the procedure below or using lifting equipment other than in the procedure below.
There is a hazard that the machine may lose its balance.

NOTICE
This method of lifting applies to the standard specification machine.
The method of lifting differs according to the attachments and options installed.
For details of the procedure for machines that are not the standard specification, consult your Komatsu distributor.

For the weight of the standard specification machine, see "WEIGHT TABLE (PAGE 3-120)".

NOTICE
- **Use protectors to prevent the wire rope from being cut on sharp corners and to prevent the wire rope from cutting into the machine bodywork.**
- **When using a spreader bar, select an ample width to prevent contact with the machine.**

Consult your Komatsu distributor before performing lifting work.

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MAINTENANCE SCHEDULE CHART

MAINTENANCE SCHEDULE CHART

INITIAL 250 HOURS SERVICE (ONLY AFTER THE FIRST 250 HOURS)

Change oil in engine oil pan, replace engine oil filter cartridge ---- 4- 53
Replace fuel filter cartridge ---- 4- 60
Replace transmission filter element (valve side, brake cooling side) ---- 4- 62
Change oil in transmission case ---- 4- 63
Change oil in brake oil tank, replace brake oil filter element ---- 4- 65
Change oil in final drive case ---- 4- 76
Change oil in differential case ---- 4- 77
Replace hydraulic filter element ---- 4- 78
Change oil in hydraulic tank ---- 4- 84

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Check, clean or replace air cleaner ---- 4- 22
Clean inside of cooling system ---- 4- 25
Check level of window washer fluid, add fluid ---- 4- 28
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Check refrigerant (gas) level ---- 4- 29
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EVERY 250 HOURS SERVICE

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