Operation & Maintenance Manual

DUMP TRUCK **HD785-7**

SERIAL NUMBERS 8378 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.

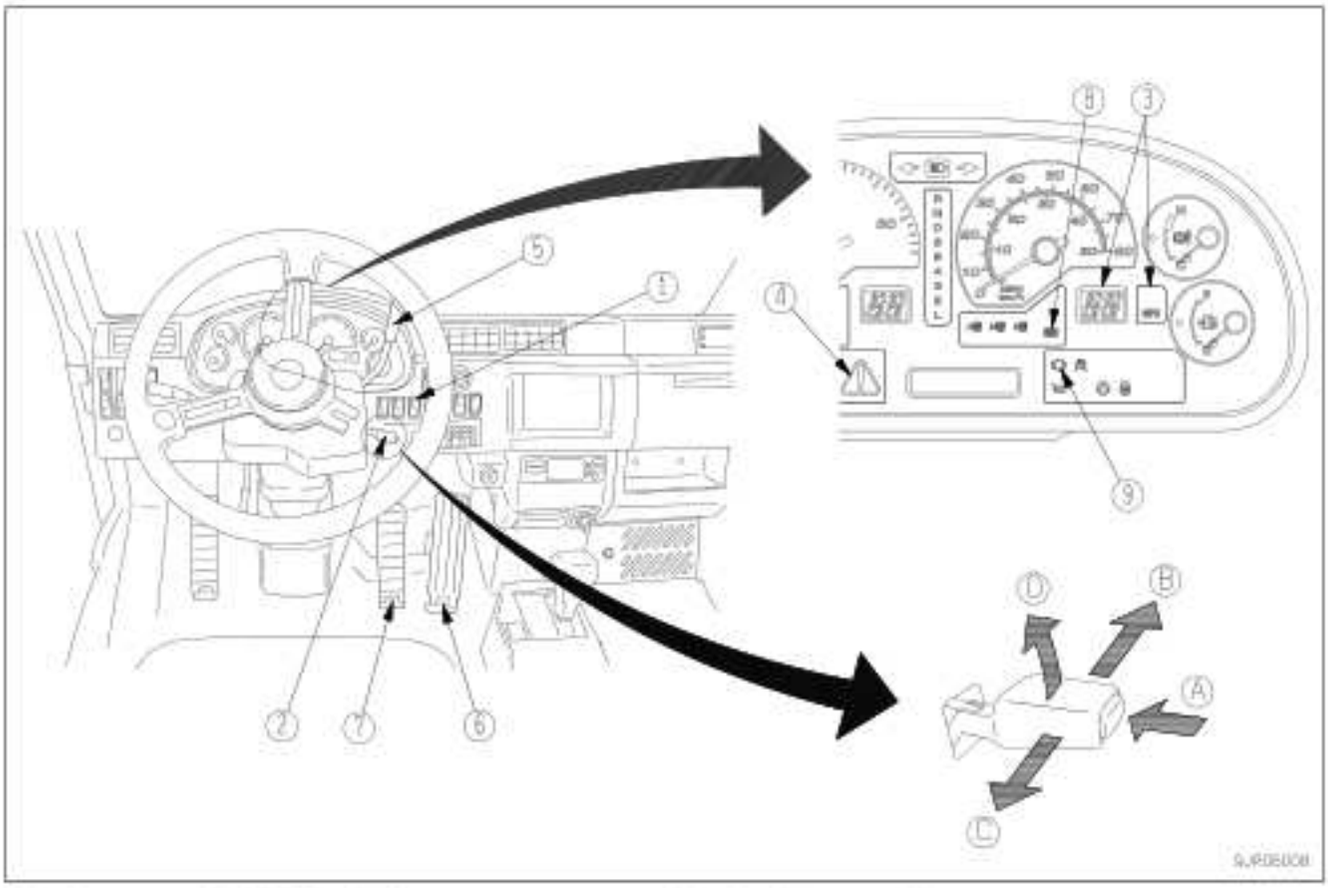
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EXPLANATION OF COMPONENTS



(1) Auto retarder (ARSC) switch
(2) Auto retarder (ARSC) set lever
(3) Auto retarder set speed indicator
(4) Central warning lamp
(5) Retarder control lever
(6) Accelerator pedal
(7) Brake pedal
(8) Auto retarder READY pilot lamp
(9) Retarder pilot lamp

(A) Set
(B) Increase speed
(C) Decrease speed
(D) Cancel

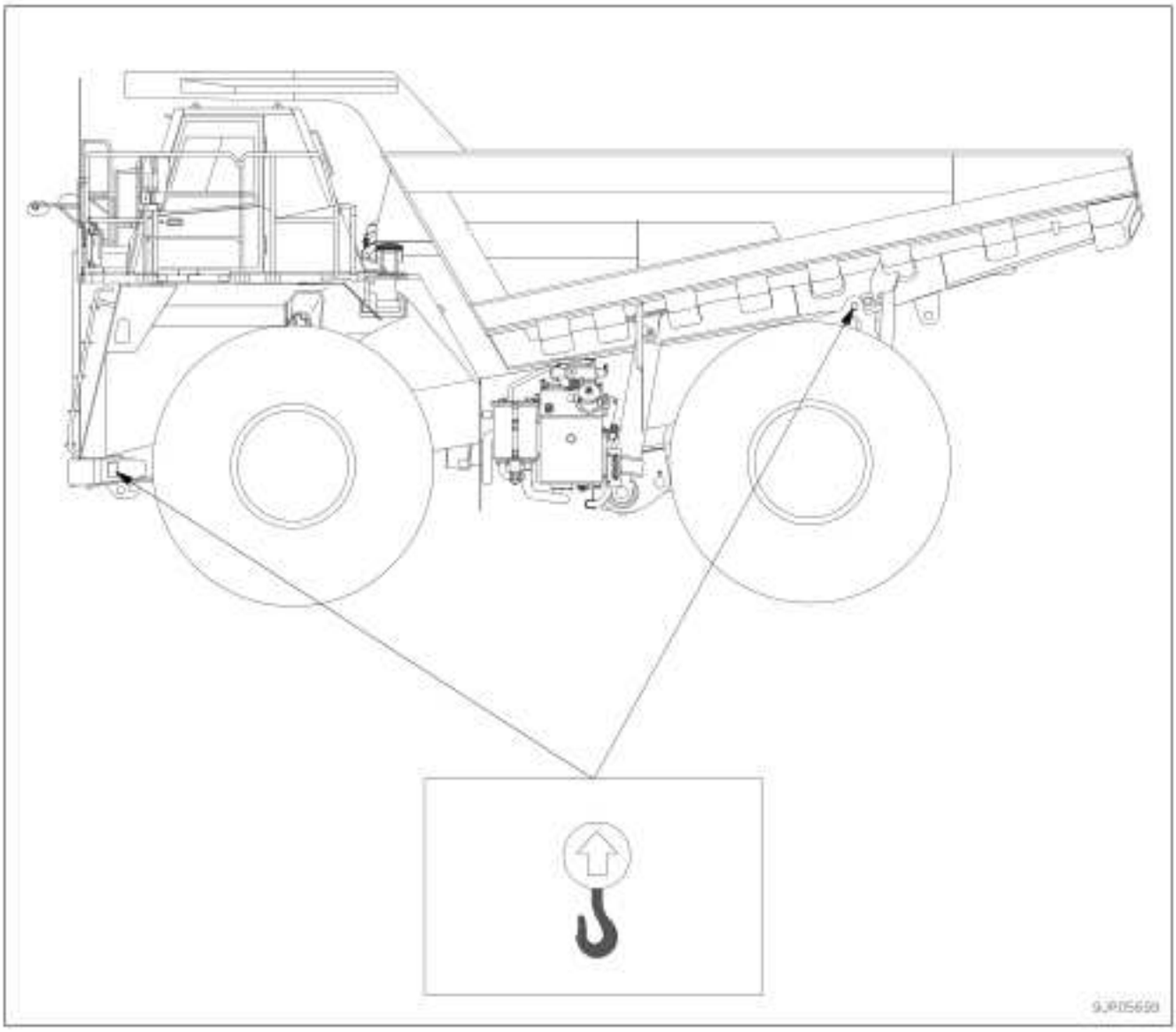
AUTO RETARDER (ARSC) SWITCH
This switch (1) is used to turn the ARSC system ON/OFF.

AUTO RETARDER (ARSC) SET LEVER
This lever (2) is used in the following cases:
When setting the travel speed
When making fine adjustments to the set speed (tap up/tap down)
When canceling the speed setting

AUTO RETARDER SET SPEED INDICATOR
This display (3) shows the speed (km/h (MPH)) that has been set.
When the auto retarder (ARSC) switch is turned OFF, the display goes out.
It displays 0 when the set travel speed is canceled.
When the starting switch is turned ON or the auto retarder (ARSC) switch is ON, the previously set travel speed is displayed.

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LOCATION OF LIFTING POSITION MARK



WEIGHT TABLE

	Machine weight	Front wheel load	Rear wheel load	Center of gravity (from front axle)
HD785-7	72000 kg (158760 lb)	33840 kg (74617 lb)	38160 kg (84143 lb)	2623 mm (8 ft 7 in)

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MAINTENANCE SCHEDULE CHART

MAINTENANCE SCHEDULE CHART

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

Replace transmission oil filter element ---- 4- 75
Change oil in transmission, brake cooling oil tank, wash strainer ---- 4- 79
Replace transmission, brake cooling oil filter element ---- 4- 83
Replace steering, hoist oil tank filter element ---- 4- 90
Change oil in final drive case ---- 4- 90
Change oil in differential case ---- 4- 91
Change oil in steering, hoist oil tank ---- 4- 94

WHEN REQUIRED

Check, clean or replace air cleaner ---- 4- 30
Clean inside of cooling system ---- 4- 36
Check level of window washer fluid, add fluid ---- 4- 39
Clean air conditioner air filter ---- 4- 39
Check refrigerant (gas) level ---- 4- 40
Check dump body ---- 4- 40
Check length of suspension cylinder, check oil level ---- 4- 41
Bleed air from rear brake ---- 4- 42
Bleed air from front brake ---- 4- 43
Bleed air from raer parking brake ---- 4- 44
Bleed air from front parking brake ---- 4- 45
Check play of output coupling of output shaft ---- 4- 46
Check water separator, wash inside of filter case ---- 4- 47
Bleeding air from fuel circuit ---- 4- 48
Clean, check radiator fins and after cooler fins ---- 4- 51
Cleaning hydraulic tank strainer ---- 4- 52
Replace fan belt, adjust auto tensioner ---- 4- 53
Selection and inspection of tires ---- 4- 55

CHECK BEFORE STARTING

EVERY 250 HOURS SERVICE

Check oil level in differential case, add oil ---- 4- 58
Check oil level in final drive case, add oil ---- 4- 58
Lubrication ---- 4- 59
Check drive shaft ---- 4- 60
Check level of battery electrolyte ---- 4- 61
Check alternator belt tension, adjust ---- 4- 63
Check air conditioner compressor belt tension, adjust ---- 4- 64
Clean breathers ---- 4- 65
Check frame ---- 4- 66
Check braking capacity of foot brake ---- 4- 67
Check braking capacity of retarder brake ---- 4- 68
Check braking capacity of parking brake ---- 4- 69
Check, clean automatic suspension ---- 4- 70
Check of accumulator gas pressure ---- 4- 71

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