SEAM064600T

Operation & Maintenance Manual

[redacted]

GALEO BR550JG-1

MOBILE CRUSHER

SERIAL NUMBERS 1001 - 1066

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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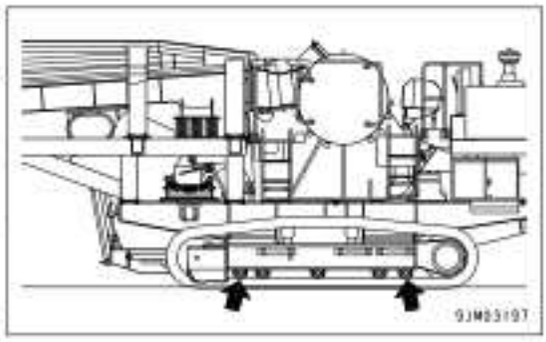
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OPERATION OF WORK EQUIPMENT

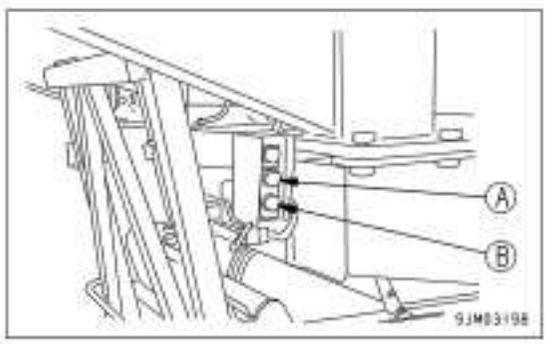
STARTING JAW CRUSHER OPERATION

⚠ WARNING

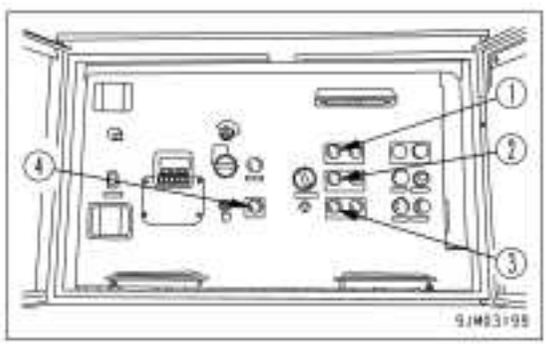
- **Park the machine on the level and solid ground and start the work.**
- **In order to avoid abnormal vibration, while the machine is in operation, check that the outermost track rollers are in firm contact with the ground at four points.**
- **When something unusual occurs on the machine, depress emergency stop switch (4).**
  A buzzer begins to sound then, and the jaw crusher, grizzly feeder, belt conveyor and optional working equipment (magnetic separator and side conveyor), if installed, will stop.



1. Lower the primary belt conveyor in the reverse order of the procedures for raising it.



2. Turn belt conveyor starting switch (1) to the ON position and confirm that the belt is moving.
3. Turn crusher starting switch (2) to the ON position and confirm that the crusher is rotating.
4. Turn grizzly feeder starting switch (3) to the ON position and confirm that the feeder is in motion.



NOTICE

Run the engine at a low idling speed (low revolution) without any load for about five minutes.

5. After the machine warming-up, check if there is no bearing of abnormally high temperature or abnormal vibration.
   Refrain from accelerating the engine suddenly until after the engine is sufficiently warmed up.
6. Turn the fuel control dial to the full speed (MAX) to raise the crusher revolution.
7. When the crusher revolution has risen sufficiently and becomes constant after turning the fuel control dial to the full speed, begin to feed debris to the crusher.
   For restarting the crusher, release the emergency stop switch (depress it again to do so) and start it again following the procedures for crusher operation.

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SERVICE PROCEDURE

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

Carry out the following maintenance only for once after the initial 250 hours of operation.

- Replace fuel filter cartridge
- Replacement of oil in engine oil pan and engine oil filter cartridge
- Change of oil in grizzly feeder vibrator case
- Check engine valve clearance, adjust

For details of the method of replacing or maintaining, see EVERY 500 HOURS, EVERY 1000 HOURS and EVERY 2000 HOURS SERVICE.

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SPECIFICATIONS

Items		Unit	BR550JG-1
Weight			
Overall machine weight (including fuel and cooling water)		kg (lb)	45000 (99225)
Dimensions			
A	Overall length	mm (ft in)	13440 (44' 1")
	Overall length [with opening-closing type hopper installed]	mm (ft in)	13430 (44' 1")
	Overall length (in transport)	mm (ft in)	11985 (39' 4")
B	Overall height	mm (ft in)	3670 (12' 0")
	Overall height (in transport)	mm (ft in)	3380 (11' 1")
C	Overall width (in transport)	mm (ft in)	2995 (9' 10")
D	Track shoe width	mm (ft in)	500 (1' 8")
E	Track gauge	mm (ft in)	2480 (8' 2")
F	Track length on ground	mm (ft in)	3700 (12' 2")
G	Hopper width	mm (ft in)	2770 (9' 1")
Engine			
Name		-	SAA6D125E-2
Type		-	Direct injection + turbocharger + aftercooler
Rated horsepower		kw (HP/rpm)	228 (306/2050)
Feeding device			
Method		-	Grizzly feeder with vibration controller
Trough dimensions (width x length excluding grizzly bar)		mm (ft in)	1125 (3' 8") x 3955 (12' 12") [2050 (6' 9")]
Crusher			
Jaw crusher (Type)		-	FS4430-0A
Weight		kg (lb)	17600 (38808)
Primary belt conveyor			
Belt (width x length)		mm (ft in)	1050 (3' 5") x 10135 (23' 3")
Belt rotating speed		m/min	120
Hopper			
Capacity (including top of grizzly bar)		m^3 (cu.yd)	6.0 (7.8)
Type		-	Fixed type (foldable type)
Performance			
Dimensions of max. crushable debris		mm (ft in)	600 (1' 12") x 600 (1' 12") x 600 (1' 12") (natural stone) 1200 (3' 11") x 950 (3' 1") x 600 (1' 12") (concrete debris)
Travel speed		km/h (MPH)	1.8 (1.1)/3.0 (1.9)
Gradeability		Degree	25
Drive			
Travel drive method		-	Hydraulic type
Crusher drive method		-	Hydraulic type
Capacity			
Fuel tank		liter (US gal)	555 (146.63)
Hydraulic oil tank		liter (US gal)	358 (94.58)

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