

Field Assembly Instruction

MOBILE CRUSHER

GALEO

BR580JG-1

SERIAL NUMBERS 1001 and up

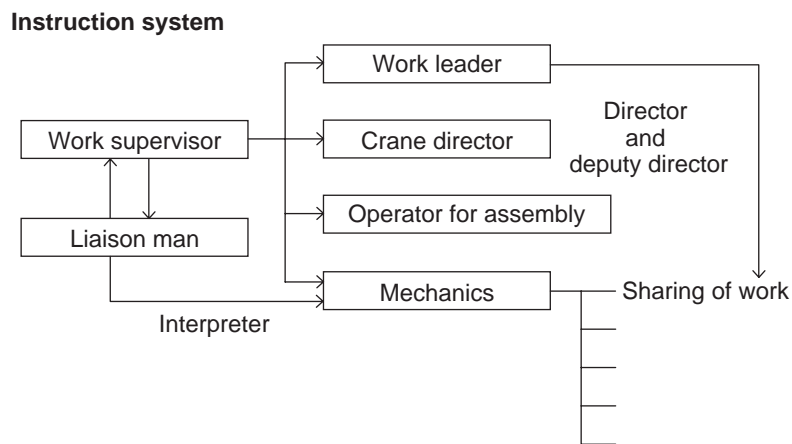
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KOMATSU

Preface

You are required to execute full inspection and maintenance before starting the engine and assembling the work equipment. Since the work is often carried out in dangerous places and positions by a team, hold a safety meeting in advance and appoint a crane director, work leader, etc. so that the all members can work safely.

When the work is carried out in an overseas country, difference in language, customs, etc. lowers safety. Accordingly, the field liaison man and work supervisor must examine the above point and take necessary measures.



We hope that the all members will cooperate with each other and assemble the work equipment quickly in the field, observing the safety, quality, and delivery time.

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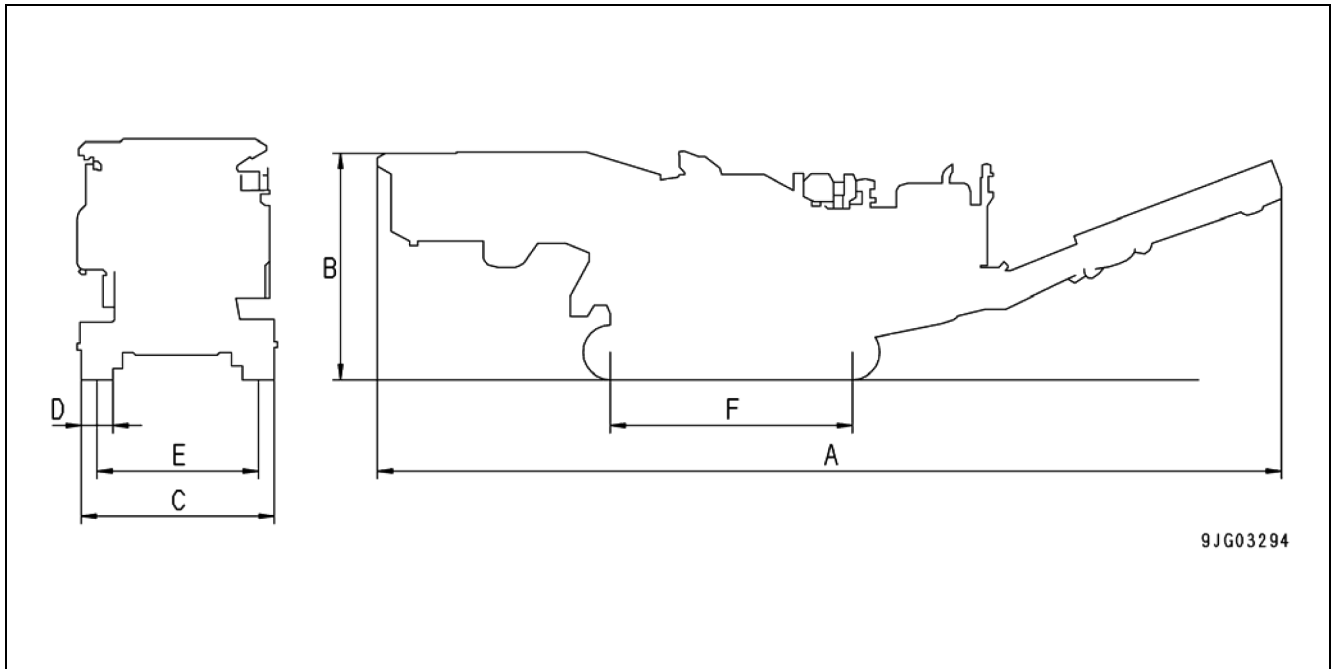
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FIELD ASSEMBLY INSPECTION REPORT

SPECIFICATIONS

Item		Unit	BR580JG-1
Weight			
Operating weight (incl. fuel and coolant)		kg	49,000
Dimensions			
A	Overall length [with open-close hopper] (for transport)	mm	14,540 (☆1 12,130/☆2 ☆3 14,495)
B	Overall height (for transport)	mm	3,820 (☆1 3,195/☆2 3,395/☆3 3,495)
C	Overall width (for transport)	mm	3,090 (2,995)
D	Track shoe width	mm	500
E	Track gauge	mm	2,480
F	Length of track on ground	mm	3,700
Engine			
Type		-	KOMATSU SAA6D125E-5 Diesel engine
Flywheel horsepower		kW{HP}/rpm	257/1,900 {350/1,900}

- ☆1
- ☆2
- ☆3



PRECAUTIONS FOR FIELD ASSEMBLY

1. Selection of workplace

- 1) When selecting a workplace, consider the following items so that you can load and unload the machine.
 - Width
 - Hardness
 - Flatness
 - Access road, place for turn
- 2) Do not work in a place where dust, rainwater, etc. may enter the hydraulic circuit during assembling work.
- 3) Do not assemble while a strong wind is blowing or it is raining.

2. Preparation and check of slings and tools

- 1) Check each sling and tool thoroughly. When using wood blocks, etc., check that their inside is not rotten or broken.

3. Check of actual work

- 1) Apply the parking brakes of the trailer and crane truck securely and put chocks under their wheels.
- 2) Before starting the work lower the temperature and pressure of the engine oil, hydraulic oil, cooling water, etc.
- 3) When starting the engine, make an arranged sign such as sounding of the horn and check that the work equipment control lever and travel lever are in neutral and the fuel control dial is at the low idling position.
- 4) When using the crane, balance the load.
- 5) Allow only the persons concerned into the workplace.

4. Before starting the work, read this manual thoroughly and keep the precautions in your mind.

The numbers in circles in the illustrations correspond to the numbers in () in the text.




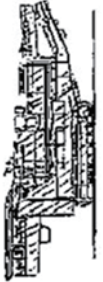





(For example: ① → (1))

5. The supervisor shall write down the precautions for each work process and explain them to the workers.






6. Hold a meeting every morning to check today's work plan and safe work.

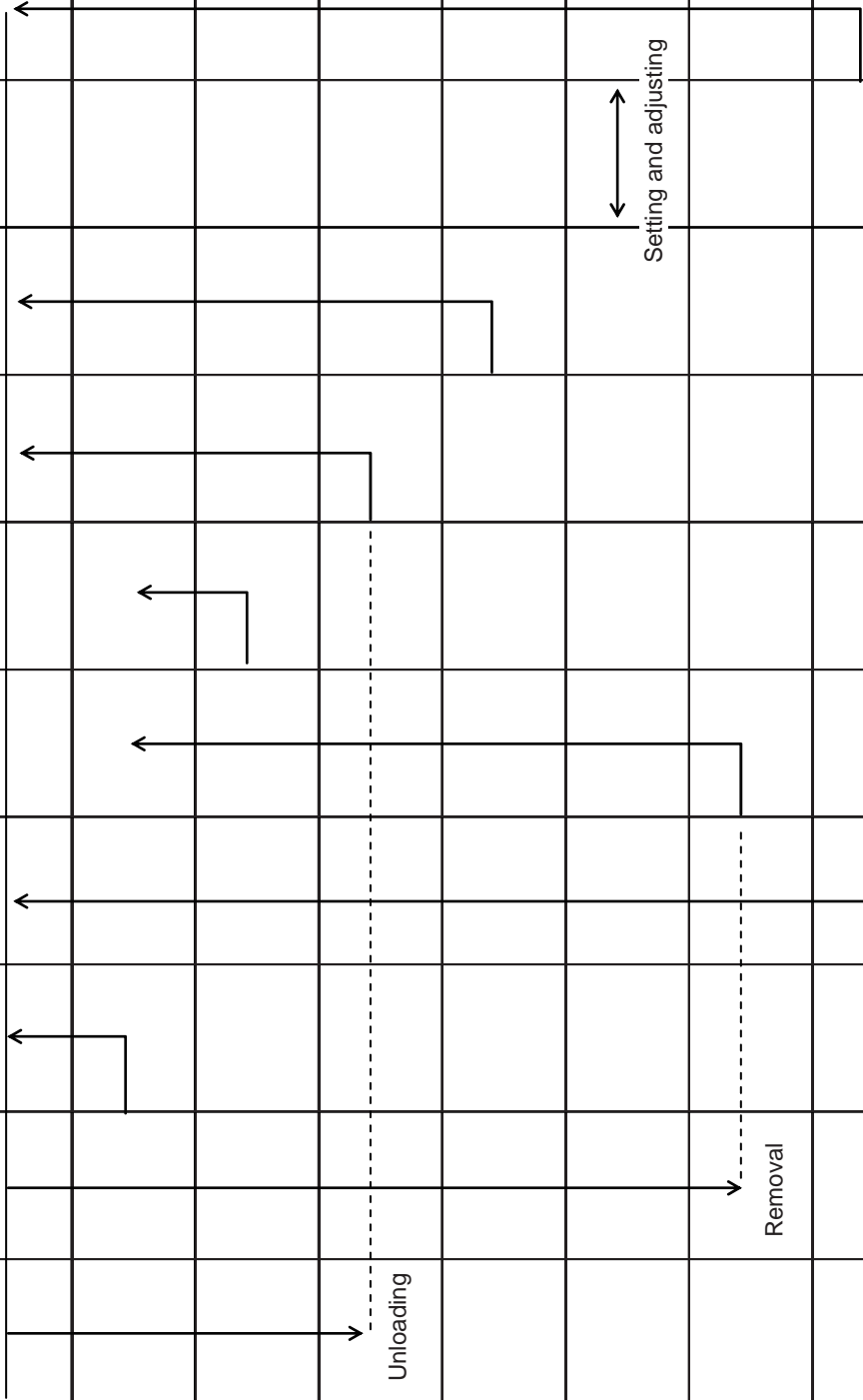
OUTLINE OF WORK PROCESS

(Disassembly to 27ton parts)

Days	1			2			
Assembly unit	 <p>Machine body</p>	 <p>(1) Crusher ass'y (2) Guard ass'y (3) Feeder</p>	 <p>(4) Hopper ass'y</p>	 <p>(5) Conveyor (6) Exterior parts</p>	<ul style="list-style-type: none"> • Oil level and water level checks • Air bleeding from the hydraulic circuits • Performance checks 		
Crane	 <p>45 t</p>	↑	↑	 <p>25 t</p>			
Air compressor	 <p>Min. 15 m³/min</p>	↑	↑	↑			
Stepladder (Mobile elevating work platform)		↑	↑	↑			
Workers	 <p>Group chief + 2 mechanics</p>	↑	↑	↑			
	<p>Starting the assembly work</p> <ul style="list-style-type: none"> • Holding a meeting with all the workers 		<p>Installation of unit of the machine body assemblies to the machine body</p>	<p>Assembly of the machine body</p>	<p>Final assembly work</p>		

FLOW OF ASSEMBLY PROCEDURE (Disassembly to 27ton parts)

Day	1								2	
Detailed procedure	A-1	A-1	A-2	A-3 - 5	A-9	A-10	A-13	A-14 - 18	A-22, 23	A-25 - 31
Machine 										
Crusher 										
Crusher guard 										
Feeder 										
Hopper 										
Conveyor										
Exterior parts around crusher										
Other exterior parts										



KIT LAYOUT DRAWING

- The minimum necessary dimensions of each area and rough dimensions of each kit are shown in below.
- When selecting the working place, refer to “1. Selection of workplace” in Precautions for field assembly.
- The dimensions in the drawings are reference dimensions for installation in the following space (35 m × 25 m).
- If a wider work field is available, the shown dimensions should be increased.

