

Field Assembly Instruction



PC1100-6 PC1100SP-6 PC1100LC-6

HYDRAULIC EXCAVATOR

	PC1100-6	- 10001	
SERIAL NUMBERS	PC1100SP-6	- 10001	and up
	PC1100LC-6	- 10001	

KOMATSU

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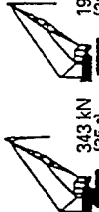
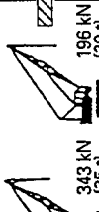











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APPENDIX

FIELD ASSEMBLY INSPECTION REPORT

Outline of work processes

Divided into four units

Days	1			2	
<p>Assembly unit</p>	 <p>Upper structure (including axle assembly)</p>	 <p>① Left, right platforms ② Travel piping cover group</p>	 <p>③ Counterweight ④ Platform group Check oil, water levels</p>	 <p>Backhoe</p>  <p>Loading shovel</p> <p>⑤ Assembly of work equipment</p>	<ul style="list-style-type: none"> • Check oil, water levels • Bleed air from work equipment cylinders • Flush hydraulic circuit • Adjust track tension • Check performance
<p>Crane</p>	<p>[Two]</p>  <p>343 kN (35 t)</p>  <p>196 kN (20 t)</p>			 <p>196 kN (20 t)</p>	
<p>Air compressor</p>	 <p>0.49 - 0.69 MPa (5 - 7 kg/cm²) 15 m³/min.</p>				
<p>Workers</p>	 <p>Leader + 5 mechanics</p>				
	<p>Start of assembly</p> <ul style="list-style-type: none"> • Meeting for all workers 	<p>Completion of assembly of units to chassis</p>	<p>Completion of assembly of machine</p>	<p>Overall completion of assembly</p>	

Tool list

List of tools and materials for assembly taken to local assembly point

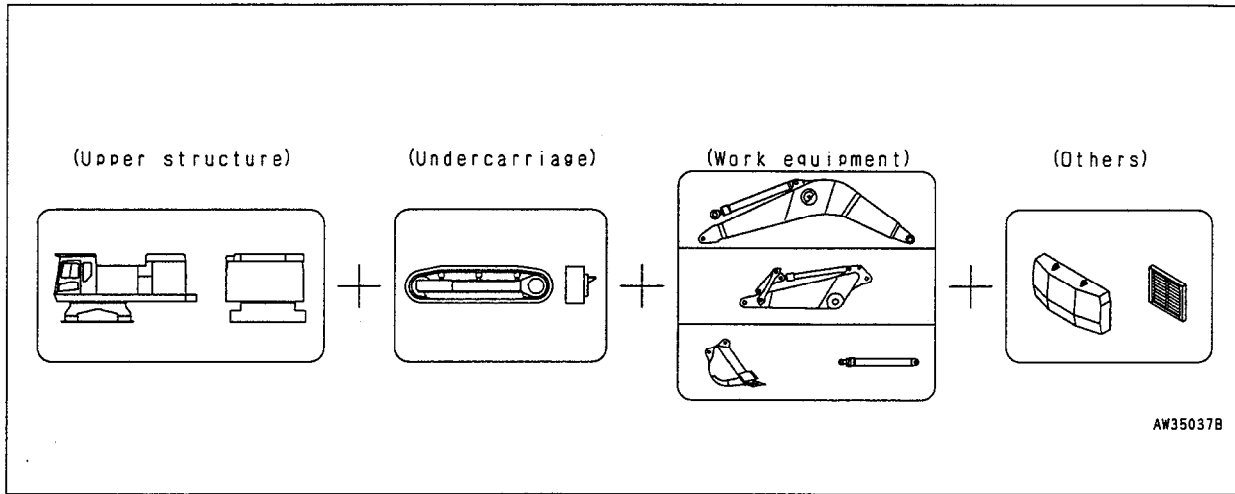
No.	Part Name	Specification	Q'ty	No.	Part Name	Specification	Q'ty	No.	Part Name	Specification	Q'ty
①	Impact wrench	For tightening ϕ 10 bolt	1	②④	Sledge hammer	10P	2	②⑦	Triethane	18 l can	2
2	Impact wrench	For tightening ϕ 12 bolt	1								
3	Impact wrench	For tightening ϕ 16 bolt	1	②⑤	Pipe	ϕ 40 – 50mm		③⑧	Lubricant	Liquid adhesive 09940-00030	1
4	Impact wrench	KW45F or	1	26	Pipe	ϕ 500mm	2				
4-1	Impact wrench	KW45FS (spline)		27	Pipe	ϕ 1000mm	3				
⑤	Socket x12	25.4	1each	28	Pipe	ϕ 2000mm	4				
6	or socket x16	38.1	1each					③⑨	Grease	SYGA-03SP	3
7	Spline	Only when using KW45FS	1each	②⑨	Corner pad	For lifting revolving frame	2	④⑩	Grease	G2-L1	3
		60,65						④⑪	Grease	No.O 18 l can	1
⑧	Power wrench	12 times or 16 times	1	③⑩	Pin	ϕ 50 – 500mm For lifting track frame	2	④⑫	Grease pump	With mouthpiece	1
⑨	Ring spanner	32 – 60	1set								
⑩	Standard tool	12, 19 socket	2set	④⑪	Compressor	0.49-0.69MPa (5-7kg/cm ²) 15m ³ /min or more	1	④⑬	(Spray type)	Yellow	5
⑪	Torque wrench	50 kg – M	1					④⑭		Space blue	5
12	Torque wrench	25 kg – M	1	④⑫	Towing truck	20 – 35T	1each	④⑮		10 l	2
								④⑯		Container for waste oil	2
⑬	Wire rope	A ϕ 30 x 5m	2	④⑰	Revolving frame stand	H540mm, can take 50 t jack, can withstand	2	④⑲	Waste oil can	18 l	3
14	JIS No. 4	B ϕ 25 x 8m	2			196 kN (20 t)		④⑳	Cloths	Pack	3
15	JIS No. 4	C ϕ 12 x 5m	4					⑤①	Thick gloves	Dozen	2
16	JIS No. 4	D ϕ 10 x 5m	3	④⑳	Stand	1870 mm, step type	2	⑤②	Raincoat		1
⑰	Shackle	SC36	3	④⑳	Nylon sling	100 x 50mm	1				
18		SC18	4	④⑳	Wooden blocks	Various sizes					
⑱	Hydraulic jack	50T (stroke: 170)	2								
20	Hydraulic jack	2 – 3T	2-3								
⑳	Lever block	1/2T	2	A	Tap	24 mm x 3.0	1set (Travel motor undercover)				
				C	Tap	36 mm x 3.0	1set (Bucket pin cover)				
㉑	Bar	1M	3	D	Tap	39 mm x 3.0	1set (Track frame mounting bolts)				
23	Bar	2M	3	E	Tap	42 mm x 3.0	1set (Counterweight)				

Transportation posture, dimensions and weights of main components

Posture for transportation

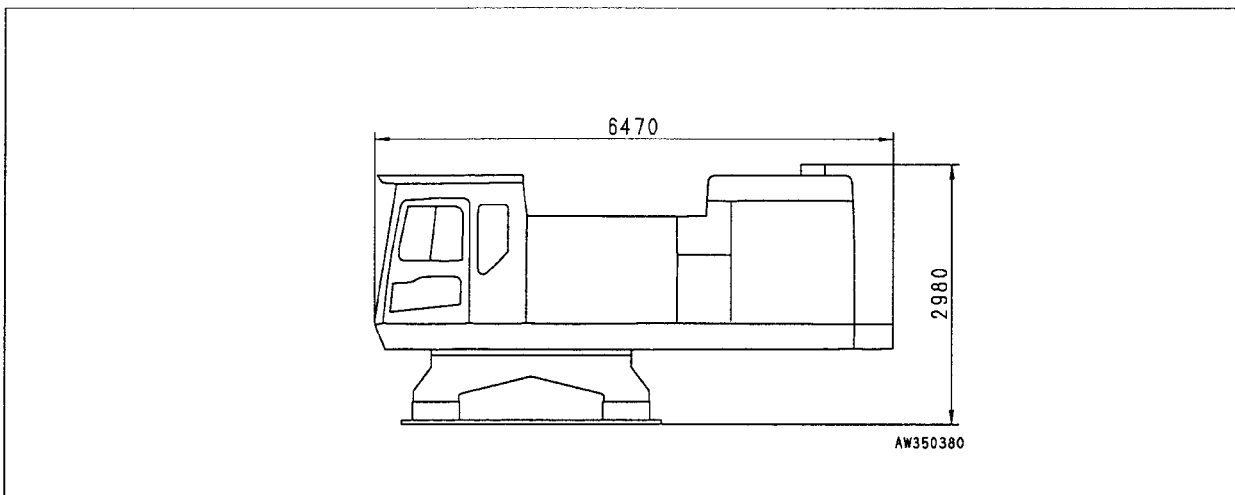
The machine can be divided into four kits for transportation, so when transporting the machine, please contact your Komatsu distributor to have the work carried out.

Transportation in four kits



Posture for each unit (dimensions in diagram are in mm.)

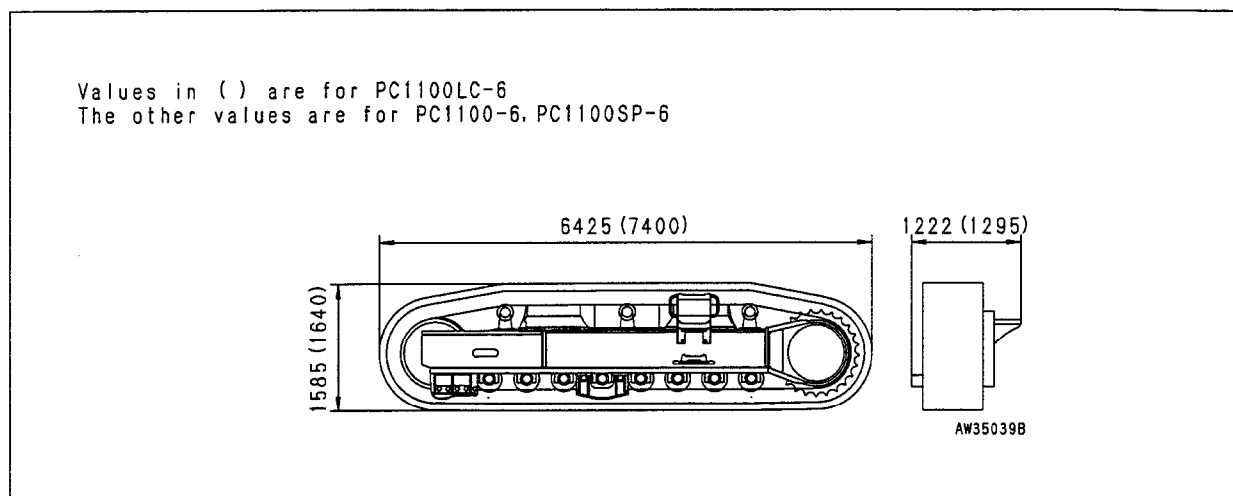
- Upper structure



Secure the upper structure to the platform with a chain and block.

Unit	PC1100-6 PC1100LC-6 PC1100SP-6
Overall width (mm)	3,490
Weight (kg)	30,900 (68,130 lb)

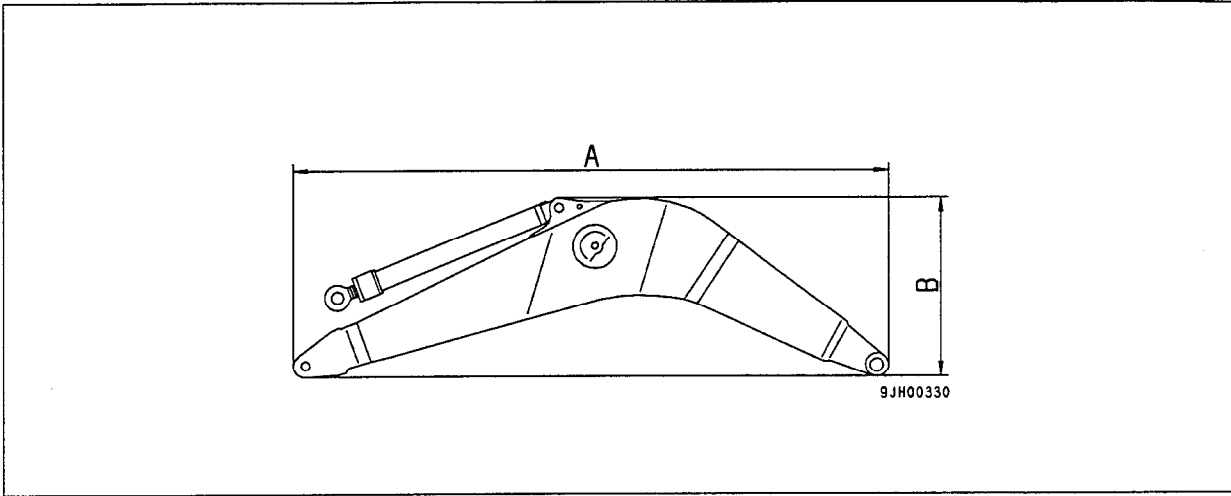
● Undercarriage



Unit	PC1100-6 PC1100SP-6	PC1100LC-6	Remarks
Weight (kg)	30,500 (15,250 x 2 pieces)	38,000 (19,000 x 2 pieces)	with single roller guard

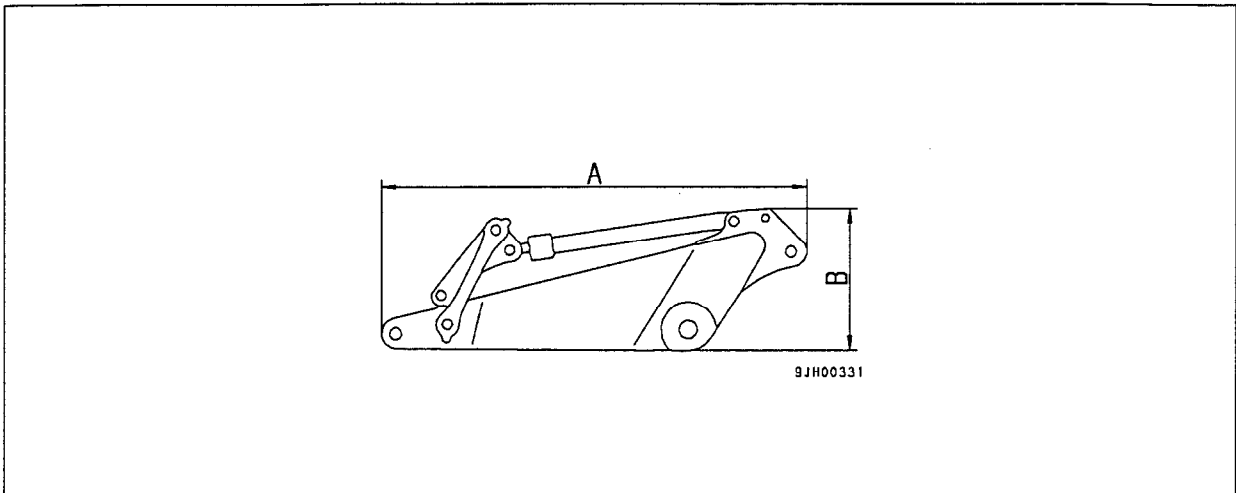
If any warning tag is attached to the work equipment control levers,
 do not start the engine.

- Work equipment
 - (1) Boom



Unit	PC1100-6	PC1100SP-6 PC1100LC-6
A (mm)	9,475	8,170
B (mm)	2,894	3,095
Overall width (mm)	1,474	1,474
Weight (kg)	11,500	11,300

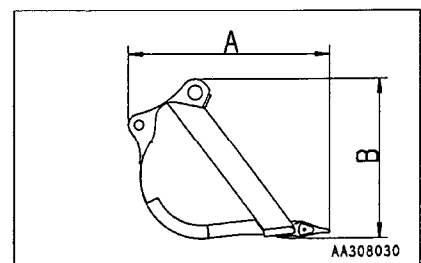
(2) Arm



Unit	PC1100-6	PC1100SP-6 PC1100LC-6
A (mm)	4,895	4,914
B (mm)	1,626	1,683
Overall width (mm)	890	890
Weight (kg)	5,700	6,100

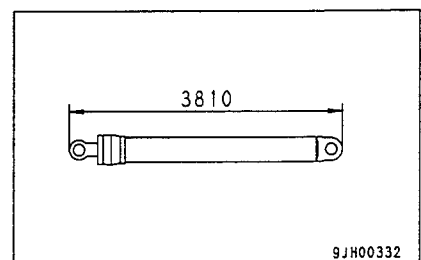
(3) Bucket (excluding side cutter and shroud)

Unit	PC1100-6	PC1100SP-6 PC1100LC-6
A (mm)	2,703	2,714
B (mm)	2,121	2,284
Overall width (mm)	2,050	2,280
Weight (kg)	4,400	5,300



(4) Boom cylinder (same for all models)

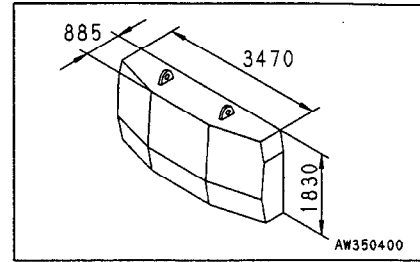
Weight: 2,400 kg
(1,200 kg x 2 pieces)



● Others

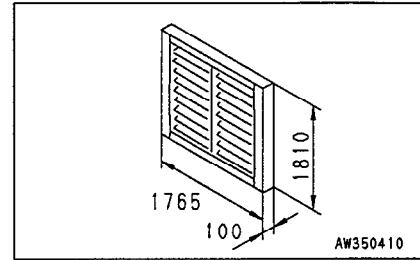
(1) Counterweight (same for all models)

Weight: 17,400 kg



(2) Radiator duct (same for all models)

Weight: 80 kg

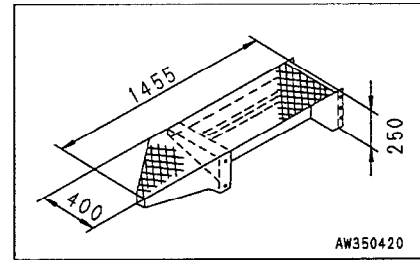


(3) Radiator duct upper cover (same for all models)

Weight: 15 kg

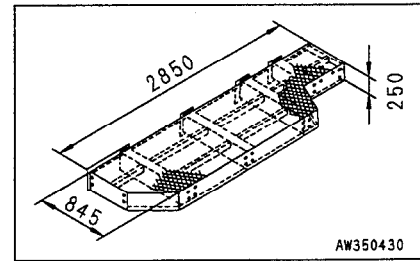
(4) Catwalk (right) (same for all models)

Weight: 50 kg



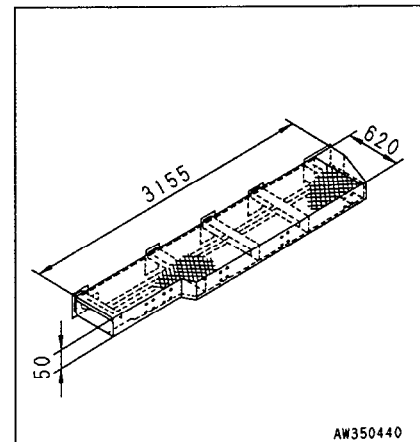
(5) Catwalk (left, front) (same for all models)

Weight: 150 kg



(6) Catwalk (left, rear) (same for all models)

Weight: 160 kg



Outline of size of work place

Kit layout diagram (when selecting the place, see 1. Local assembly)

The dimensions in the diagram are reference dimensions for the time of entering an area of the size given below (25 m x 30 m).

If the available area is larger, more space can be used.

