Field Assembly Instruction

HYDRAULIC EXCAVATOR

PC800 -8 PC800LC-8

PC800SE-8

PC850 -8 PC850SE-8

SERIAL NUMBERS

PC800-50001 PC850-10001

and up

ecot3

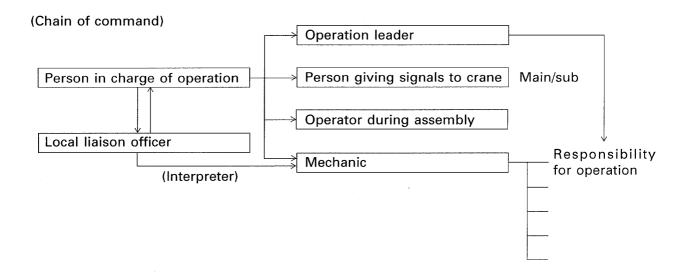


FOREWORD

With this machine, the work equipment is extremely heavy and the hydraulic pressure of the chassis is used to install it efficiently. For this reason, start the engine and actuate the hydraulic cylinders.

Before starting the engine and assembling the work equipment, it is necessary to carry out thorough inspection and maintenance. In addition, this work is frequently carried out with more than one worker in a dangerous place and posture. To ensure safety, carry out a safety meeting before starting and decide the operation leader and the person to give signals to the crane to ensure that all workers can carry out the operation in safety.

Particularly in places where the workers speak different languages or have different customs, there are various causes of safety problems, so the local liaison officer and person in charge of the operation should consider fully the above points and take action to ensure safety.



When carrying out assembly in local areas, all workers must co-operate to ensure safety, product quality, and delivery time while carrying out the operation swiftly.

When the work equipment is installed, the engine must be operated.

Accordingly, before installing the work equipment, inspect and maintain the machine thoroughly.

Note that this manual does not describe the whole specification of the machine but describes only the basic specification.

If you have any question when dividing and transporting the machine by yourself in future, ask one of our distributors.

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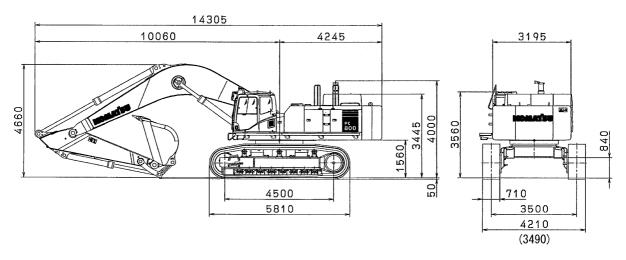
Field Assembly Inspection Report (Backhoe)

Field Assembly Inspection Report (Loading Shovel)

SPECIFICATIONS

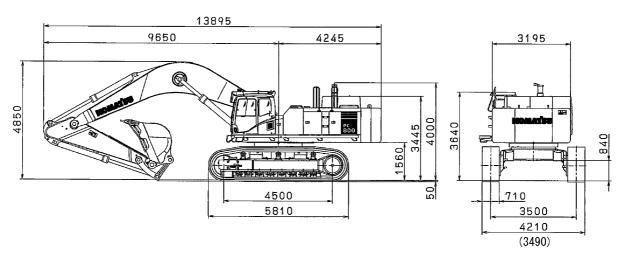
Machine model		PC800-8 PC800LC-8 PC800SE		PC800SE-8	PC850-8	PC850SE-8
Weight of machine	kg	75,000 77,200 76,000		79,500	79,100	
Bucket capacity	m ³	3.1	3.1	4.0	3.4	4.3
Engine model	_	SAA6D140E-5				
Flywheel horsepower	kW/rpm {HP/rpm}	363/1,800 {486/1,800}				
Min. ground clearance	mm	840				
Travel speed (Low/High)	km/h	2.8/4.2				
Swing speed	rpm	6.8				

PC800-8



 \bigstar The figures in () show the value when the track width is reduced.

PC850-8



 \bigstar The figures in () show the value when the track width is reduced.

PRECAUTIONS FOR FIELD ASSEMBLY

1. Selection of work place

- 1) When selecting a work place, consider the following.
 - Is the work place sufficiently wide for loading and unloading the machine? (See the kit layout drawing.)
 - Is the ground sufficiently hard? (The machine and crane truck must not sink into the ground.)
 - Is the ground flat? (The ground surface must not be uneven or sloping.)
 - Is the road to inlet/outlet of the work place sufficient for turning the trailer and crane truck?
- 2) Take care extremely that dirt or water will not enter the hydraulic circuit while it is assembled.
- 3) Avoid working outdoors while strong wind is blowing or it is raining.
- 4) Take measures to protect the machine from sand, dirt and rainwater while the work is stopped.

2. How to do work

The work supervisor or the work leader should not do the work while reading this manual but should read and understand this manual thoroughly and then start the work.

In particular, write the "Precautions" for each work process in a sheet to explain or stick that sheet to the work place so that all the workers will observe the precautions.

3. Preparation and check of protective gear, slings and tools

The work supervisor or the work leader must perform the following checks about protective gear, slings and tools.

- 1) Are all the workers wearing helmets and other protective gear which they are obliged to wear? If special protective gear is necessary, check that it is prepared and can be used without problem.
- 2) Are all the slings and tools prepared? Check in advance that they are ready to be used without problem. In particular, check wooden blocks for internal decay and cracking.

The work supervisor or the work leader must check the following items constantly and make all the workers observe them.

- 1) Are the parking brakes of the trailer and crane truck applied securely and are their wheels locked with chocks during work? Are outriggers, if installed, used securely?
- 2) Are the temperature and pressure of the engine, hydraulic oil, coolant, etc. lowered sufficiently during work?
- 3) Is horn or another signal is made to warn around when the engine is started? In addition, is it checked that work equipment control lever and other control levers are in neutral and the fuel control dial (or fuel control lever) is in the low idle position?
- 4) Is the balance of the slung item checked extremely during sling work with the crane?
- 5) Is entry prohibition for outsiders to the work place observed?
- 5. The work supervisor or the work leader is required to hold a meeting with all the workers at the beginning of every morning and explain the work plan of the day to them and give them instructions to observe the safe work.

DISPOSAL OF REMOVED PARTS

As described in "FOREWORD", when this machine is transported, it is divided into some units such as the body, undercarriage, cab, work equipment, etc. according to the transportation measure, regulations, etc.

Accordingly, the hydraulic pipings and hydraulic hoses to connect the units, oil inlets and outlets of the hydraulic devices, and parts which must not be damaged are plugged or covered to prevent oil leakage, entry of dirt and dust, and damage during transportation.

In addition, fixing jigs are used to prevent a trouble caused by a fall or a shake during transportation and to facilitate loading, unloading and crane work.

The above plugs, jigs, etc. are removed when the machine is assembled and become unnecessary after completion of the machine. Since they are useful when the machine needs to be transported in future, however, we recommend you to keep them as long as possible.

ASSEMBLING PROCEDURES, APPLICABLE EQUIPMENT AND SCHEDULE

4 Divisions

4 Divis	510115					
\(\delta\)	Inspection of oil level and coolant level Air bleeding from work equipment cylinder Flushing of hydraulic circuit Adjustment of track tension Performance test	-				· Completion of general assembling
۳	Backhoe Loading shovel- type excavator type excavator (7) Assembling of work equipment		255		★	Completion of body assembling
	© Counterweight © Platform group · Inspection of oil level and coolant level					of unit assembly to body
- Þ	4 Upper structure					Completion of Installation of unit assembly to body
	Base machine 1) Left track frame 2) Right track frame 3) Axle assembly		(Two) 45t 45t	Min. 0.7 MPa	Leader + 3 mechanics	Start of assembling Meeting with all workers
Days	Assembly unit		Crane	Air compressor	Worker	

Komatsu Hydraulic Excavator Pc850se 8 Shop Manual-25k13946

Full download: http://manualplace.com/download/komatsu-hydraulic-excavator-pc850se-8-shop-manual-25k13946/

- The dimensions given below are the minimum dimensions needed.
- The kit dimensions in the diagram are outline dimensions.
- When selecting a place, see precautions for "FIELD ASSEMBLING".

