

# KOMATSU PC130-7 Hydraulic Excavator Service Repair Workshop Manual



# SHOP MANUAL

## **KOMATSU** **PC130-7**

MACHINE MODEL

SERIAL NUMBER

PC130-7

70001 and up

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.
- PC130-7 mounts the SAA4D95LE-3 engine.  
For details of the engine, see the 95-3 Series Engine Shop Manual.

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## MEASURING EXHAUST GAS COLOR

★ Measuring instruments for exhaust gas color

Symbol	Part No.	Part name
A	1	799-201-9000 Handy Smoke Checker
	2	Commercially available Smoke Meter

⚠ When installing and removing the measuring instruments, take care not to touch a hot part.

★ If an air source and an electric power source are not available in the field, use handy smoke checker A1. When recording official data, use smoke meter A2.

### 1. Measuring with handy smoke checker A1

- 1) Stick a sheet of filter paper to smoke checker A1.
- 2) Insert the exhaust gas intake pipe in exhaust pipe (1).
- 3) Run the engine.
- 4) Accelerate the engine suddenly or run it at high idling and operate the handle of smoke checker A1 so that the filter paper will absorb the exhaust gas.



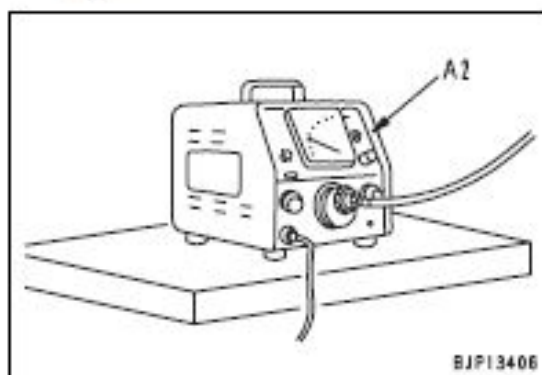
- 5) Remove the filter paper and compare it with the attached scale.
- 6) After finishing measurement, remove the measuring instrument and return the removed parts.

### 2. Measuring with smoke meter A2

- 1) Insert probe [1] of smoke meter A2 in the outlet of exhaust pipe (1) and fix it to the exhaust pipe with a clip.



- 2) Connect the probe hose, receptacle of the accelerator switch, and air hose to smoke meter A2.
  - ★ Limit the supplied air pressure to 1.5 MPa (15 kg/cm<sup>2</sup>).
- 3) Connect the power cable to a receptacle of AC 100 V.
  - ★ Before connecting the cable, check that the power switch of the smoke meter is turned OFF.
- 4) Loosen the cap nut of the suction pump and fit the filter paper.
  - ★ Fit the filter paper securely so that the exhaust gas will not leak.
- 5) Turn on the power switch of smoke meter A2.



- 6) Start the engine and heighten the engine coolant temperature to the operating range.



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to get more information.