UEBM001201

SHOP MANUAL

KOMATSU®

PW130ES-6K

MACHINE MODEL

PW130ES-6K
PW130ES-6K

SERIAL NUMBER

K32001 and up
K34001 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.

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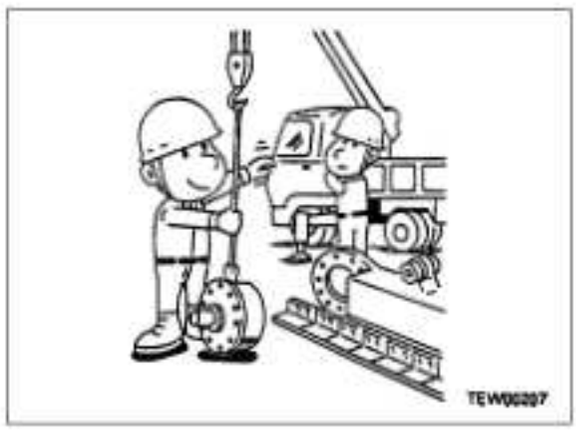
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3. POINTS TO REMEMBER WHEN HANDLING HYDRAULIC EQUIPMENT

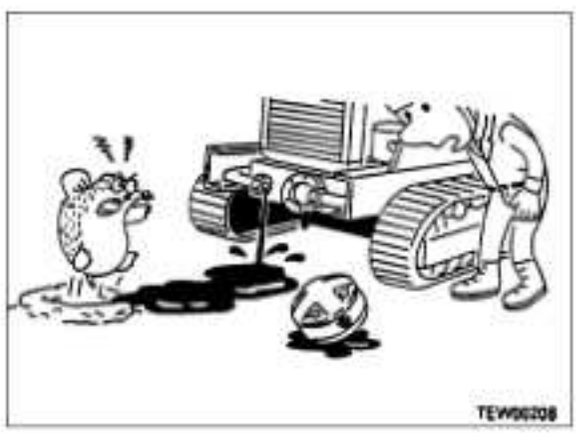
With the increase in pressure and precision of hydraulic equipment, the most common cause of failure is dirt (foreign material) in the hydraulic circuit. When adding hydraulic oil, or when disassembling or assembling hydraulic equipment, it is necessary to be particularly careful.

1) **Be careful of the operating environment**
Avoid adding hydraulic oil, replacing filters, or repairing the machine in rain or high winds, or places where there is a lot of dust.

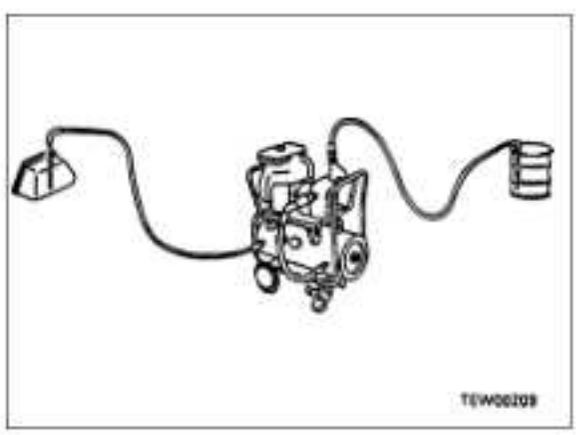
2) **Disassembly and maintenance work in the field**
If disassembly or maintenance work is carried out on hydraulic equipment in the field, there is danger of dust entering the equipment. It is also difficult to confirm the performance after repairs, so it is desirable to use unit exchange. Disassembly and maintenance of hydraulic equipment should be carried out in a specially prepared dustproof workshop, and the performance should be confirmed with special test equipment.



3) **Sealing openings**
After any piping or equipment is removed, the openings should be sealed with caps, tapes, or vinyl bags to prevent any dirt or dust from entering. If the opening is left open or is blocked with a rag, there is danger of dirt entering of the surrounding area being made dirty by leaking oil so never do this.
Do not simply drain oil out on to the ground, collect is and ask the customer to dispose of it, or take it back with you for disposal.



4) **Do not let any dirt or dust get in during refilling operations**
Be careful not to let any dirt or dust get in when refilling with hydraulic oil. Always keep the oil filler and the area around it clean, and also use clean pumps and oil containers. If an oil cleaning device is used, it is possible to filter out the dirt that has collected during storage, so this is an even more effective method.



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<Example>

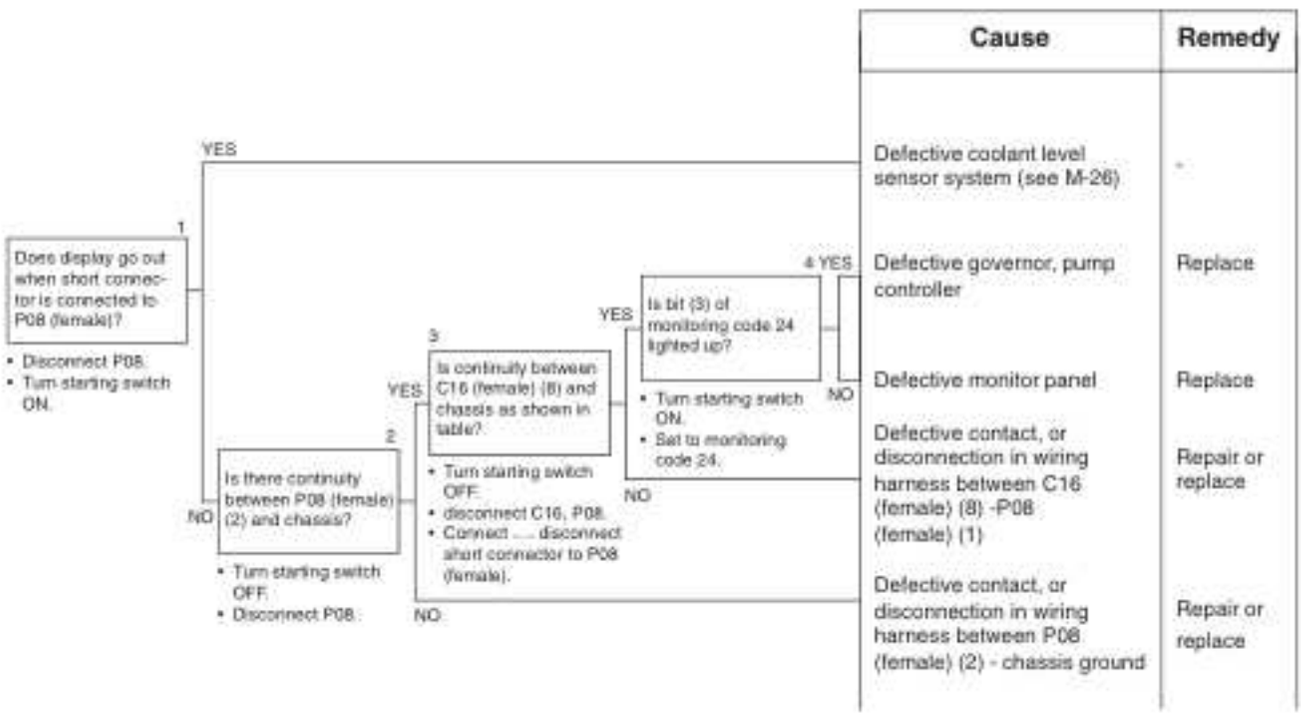
(1) M-9 When starting switch is turned ON (engine stops), basis check items flash

(4) ★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.

(2) a)  (coolant level) flashes
★ Check that the coolant level is correct before carrying out troubleshooting.

b)  (engine oil level) flashes
★ Check that the engine oil level is correct before carrying out troubleshooting.

(3)



Table

Short connector	Continuity
Connected	Yes
Disconnected	No

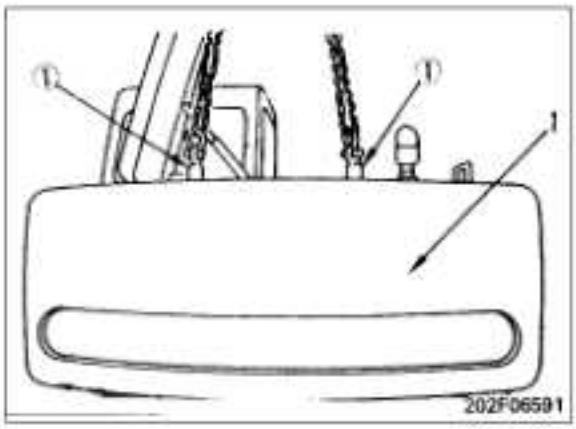
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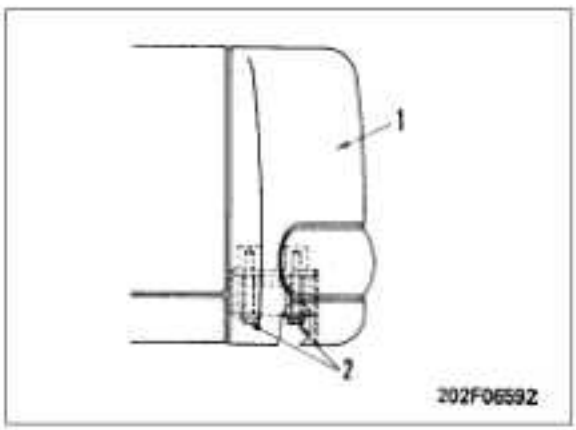
REMOVAL OF COUNTERWEIGHT ASSEMBLY

1. Remove counterweight top cover.
2. Set eyebolts ① to counterweight assembly (1), and sling.
3. Remove 4 mounting bolts (2), and lift off counterweight assembly (1).

[※ 1]

kg Counterweight assembly: 2,150 kg.





INSTALLATION OF COUNTERWEIGHT ASSEMBLY

- Carry out installation in the reverse order to removal.

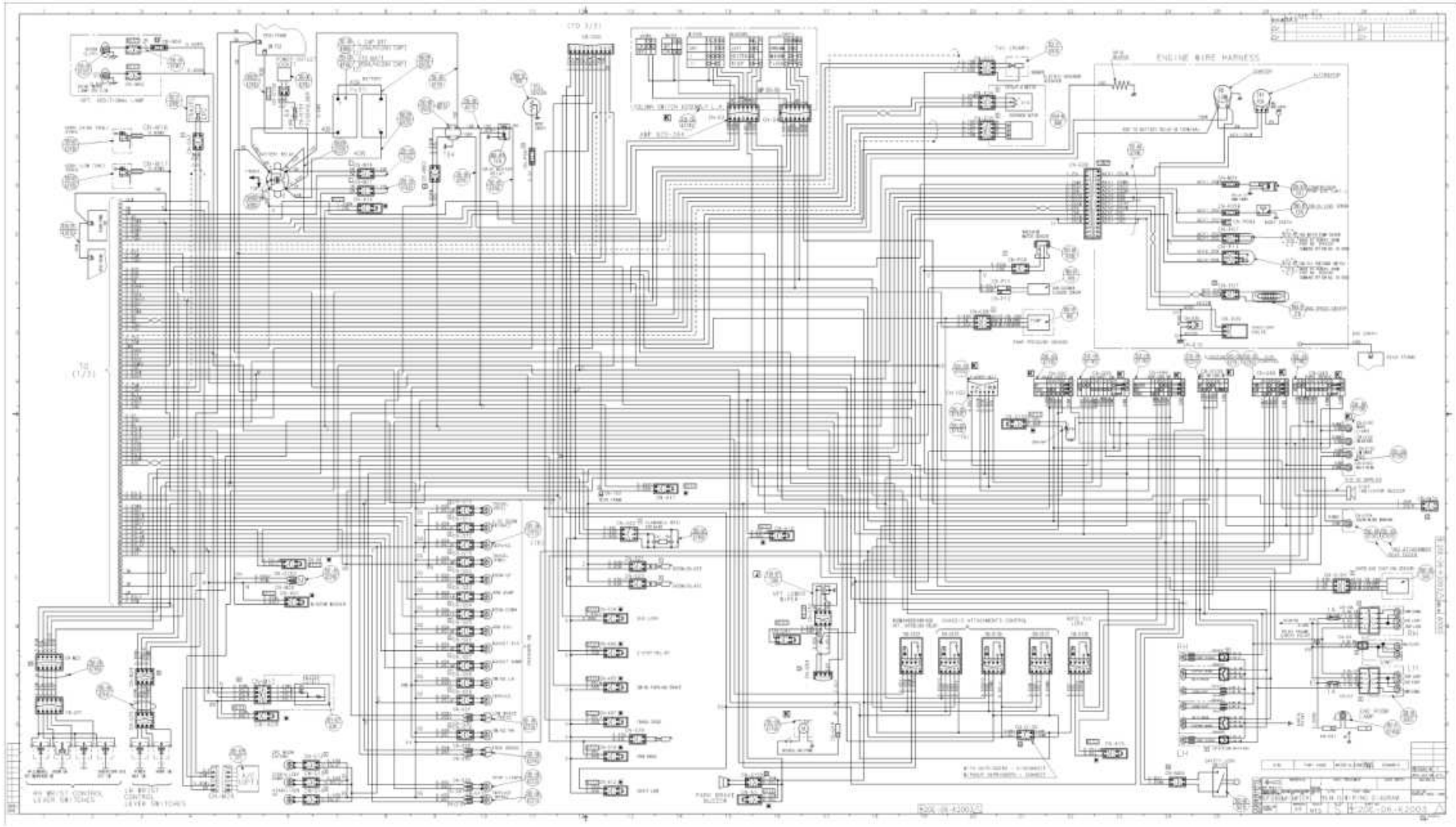
[※ 1]

Thread of counterweight mounting bolt: Thread tightener (LT-2)

kgm Counterweight mounting bolt: 1,324 ± 147 Nm (135 ± 15 kgm)

★ When installing the counterweight, adjust so that the stepped difference and the clearance from the bodywork is uniform on the left and right.

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