UEBM000801

SHOP MANUAL

KOMATSU®

PW170ES-6K

MACHINE MODEL

PW170ES-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.

© 2001 KOMATSU
All Rights Reserved
Printed in Belgium 09-01

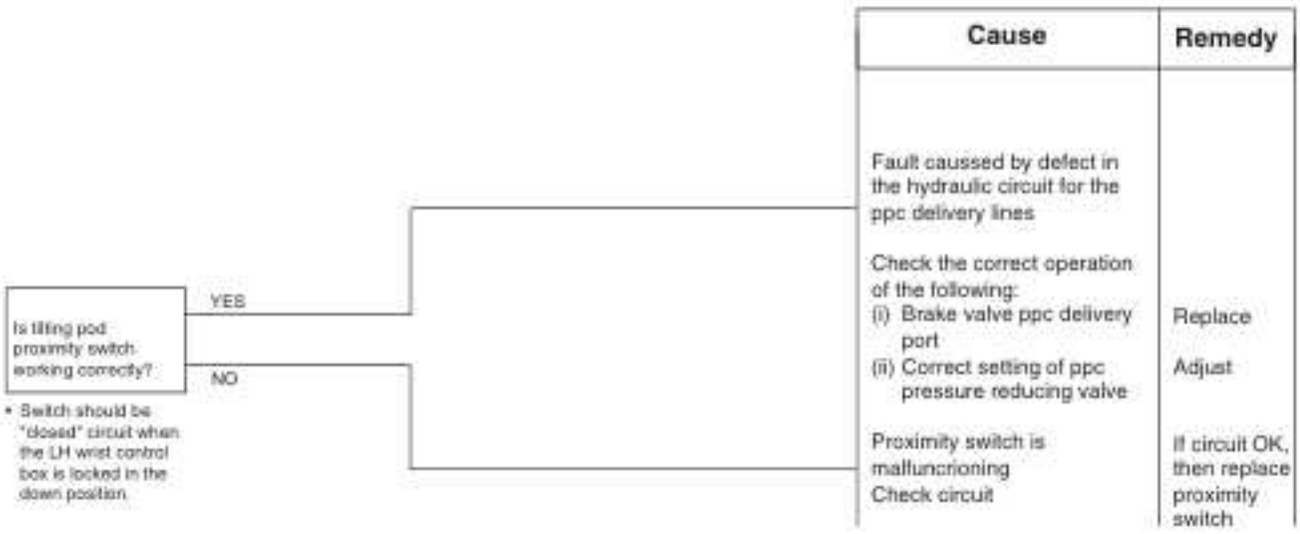
MidWestTech | Komatsu PW170ES-6K Mobile Excavator Service Manual | Publication UEBM000801
Order the manual at mid-west-tech.com >

CONTENTS

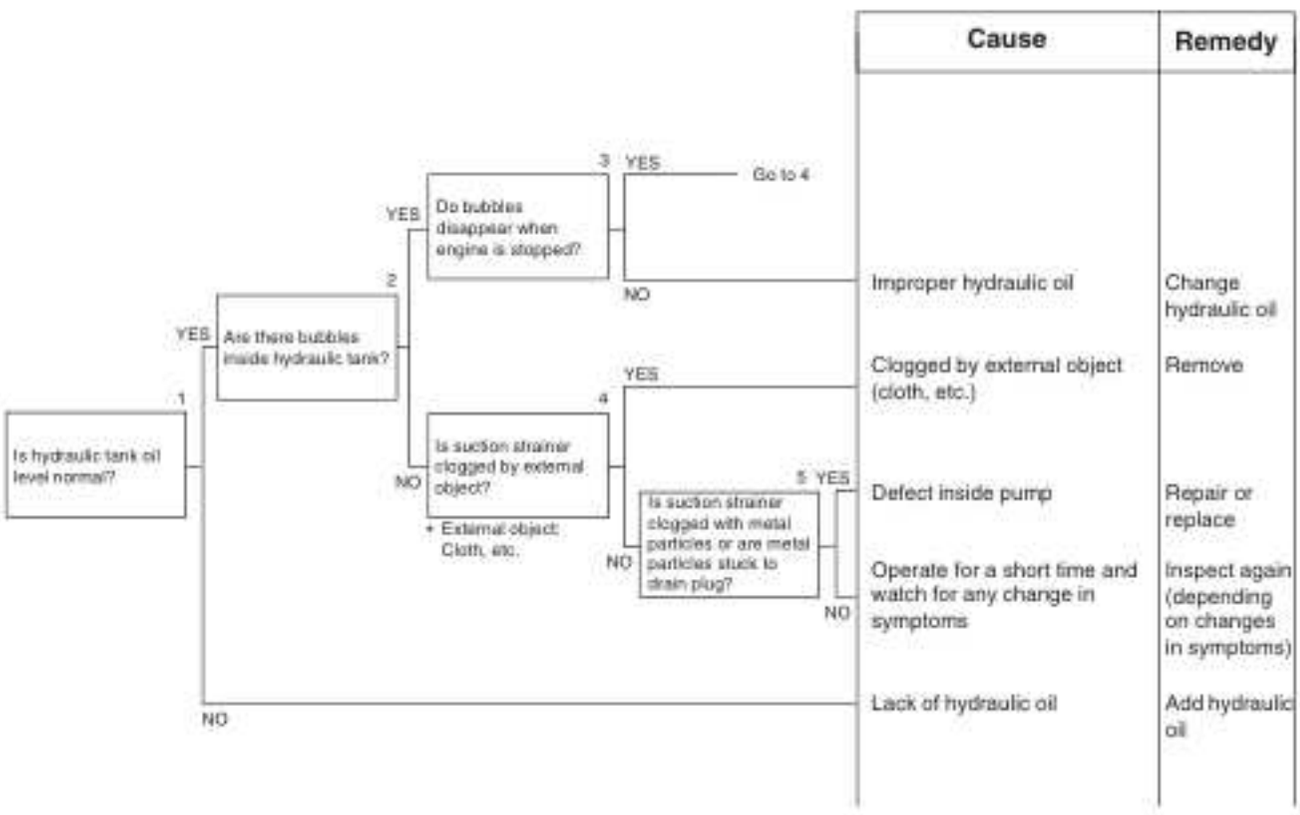
		No. of page
01	GENERAL	01-1
10	STRUCTURE AND FUNCTION	10-1
20	TESTING AND ADJUSTING	20-1
30	DISASSEMBLY AND ASSEMBLY	30-1
40	MAINTENANCE STANDARD	40-1

MidWestTech | Komatsu PW170ES-6K Mobile Excavator Service Manual | Publication... Order the manual at mid-west-tech.com >

H-3 No movement of work equipment, travel and swing systems



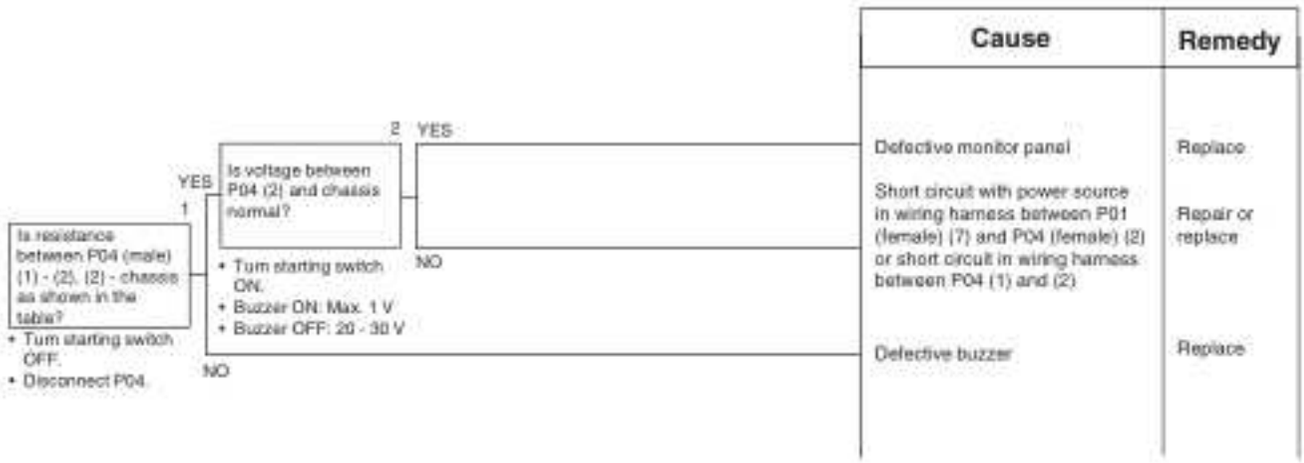
H-4 Abnormal noise generated (around pump)



MidWestTech | Komatsu PW170ES-6K Mobile Excavator Service Manual | Publication... Order the manual at mid-west-tech.com >

M-2 [E103] Short circuit in buzzer output or contact of 24 V wiring harness with buzzer drive harness is displayed

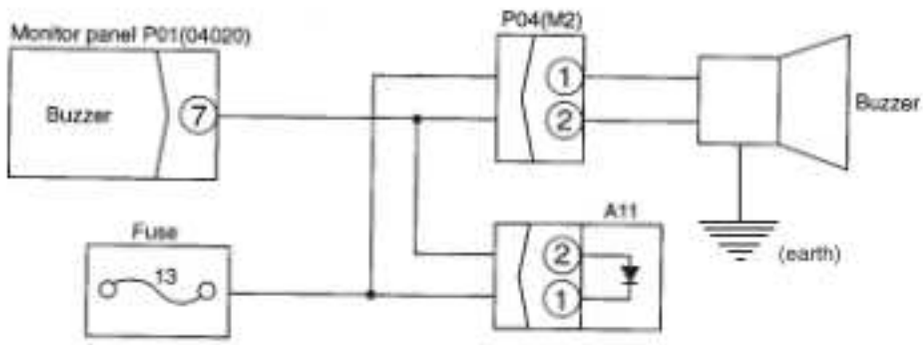
★ If the starting switch is turned OFF after an abnormality occurs, turn the starting switch ON and check if an E service code is displayed. (If it is not displayed, the sytem has been reset.)
★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.



Table

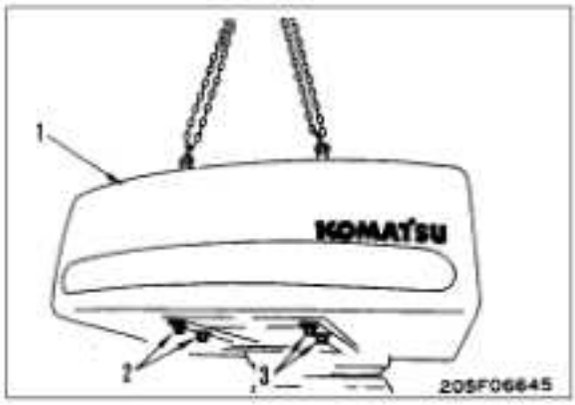
P04 (male)	Resistance value
Between (1) and (2)	200 - 300 Ω
Between (2) and chassis	Min. 1 M Ω

M-2 Related electric circuit diagram



MidWestTech | Komatsu PW170ES-6K Mobile Excavator Service Manual | Publication... Order the manual at mid-west-tech.com >

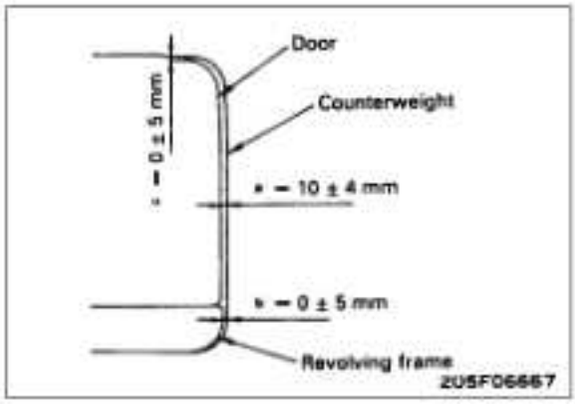
REMOVAL OF COUNTERWEIGHT ASSEMBLY



1. Set lifting hook chains of counterweight assembly in position, and sling.
2. Remove mounting bolts (2) and (3).
   ★ Be careful not to lose the shims when removing.
3. Lift off counterweight (1) horizontally with wire or chain block.
   ★ Be careful not to hit the engine, radiator and cooler assembly.

kg Counterweight assembly: 2950 kg

INSTALLATION OF COUNTERWEIGHT ASSEMBLY



- Carry out installation in the reverse order to removal.

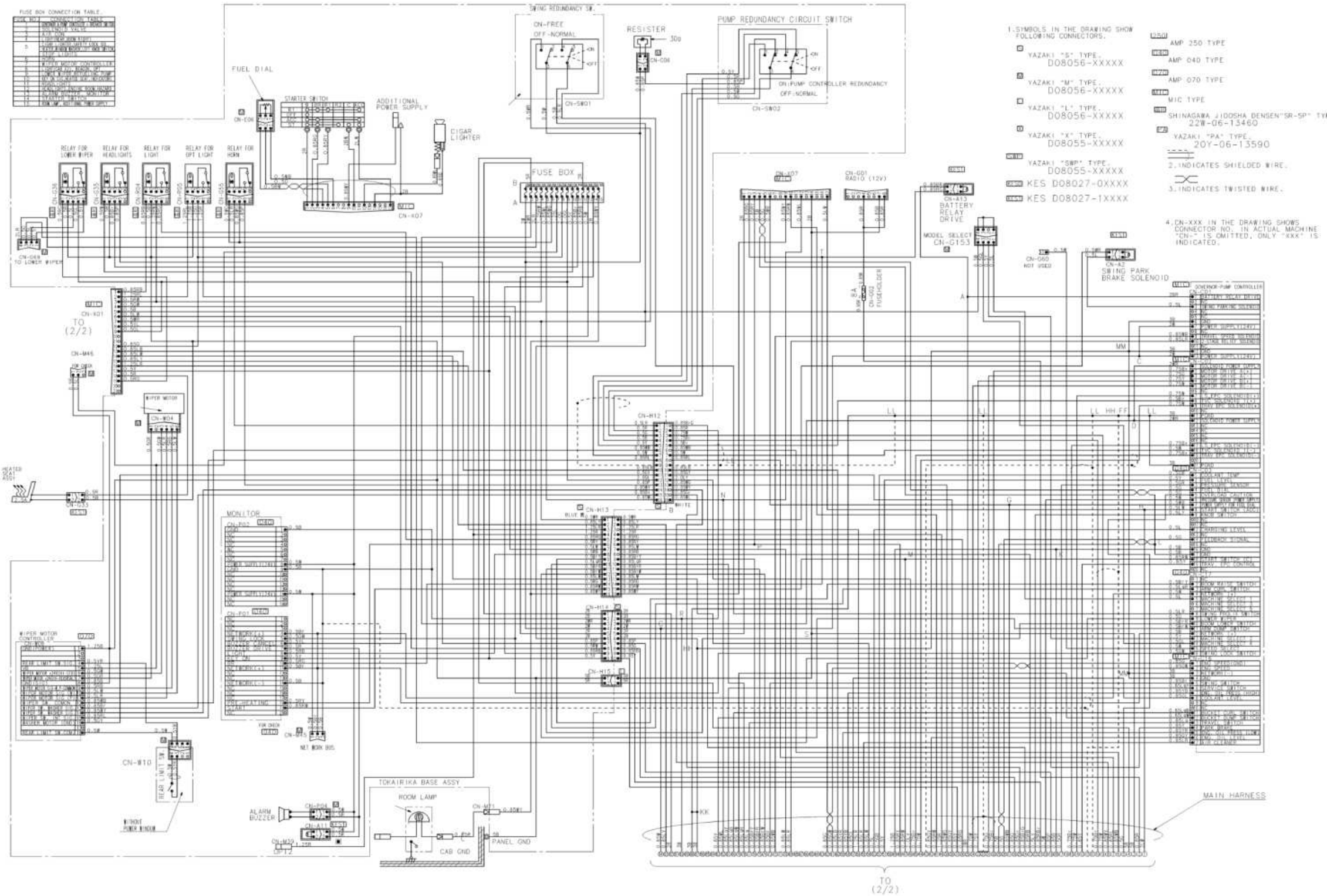
Thread of counterweight mounting bolt: Thread tightener (LT-2)

kgm Counterweight mounting bolt: 1,720 ± 190Nm (175±20kgm)

★ Installing and adjusting counterweight

1) Sling counterweight with crane and set in position on frame.
2) Use counterweight pusher bolt ② and align mounting bolts holes. Then install shim and mounting bolts (2) and (3), and adjust to following dimensions.
   - Clearance from revolving frame: 10 ± 5 mm (left and right)
   - Clearance from bodywork door: 10±5 mm (left and right)
   - Stepped difference b from revolving frame in left-to-right direction: Max. 5 mm
   - Stepped difference a from bodywork door in left-to-right direction: 10 ± 4 mm
   - Stepped difference c from bodywork top cover in up-down direction: Max. 5 mm

MidWestTech | Komatsu PW170ES-6K Mobile Excavator Service Manual | Publication... Order the manual at mid-west-tech.com >



MidWestTech | Komatsu PW170ES-6K Mobile Excavator Service Manual | Publication UEBM000801
Order the manual at mid-west-tech.com >