SEN00046-11

Shop Manual

BULLDOZER

D65EX -15E0
D65PX -15E0
D65WX-15E0

SERIAL NUMBERS
D65EX- 69001
D65PX- 69001
D65WX-69001
and up

ecot3

KOMATSU®

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Failure code [B@HANS] Hydraulic oil: Overheat

Action code	Failure code	Failure symptom	Hydraulic oil: Overheat (Mechanical system)
—	B@HANS		
Failure content	• While engine is running, hydraulic oil temperature caution lamp flashes.		
Controller's action	• Flashes warning lamp and turns on alarm buzzer. (Function of monitor panel)		
Symptoms that appears on machine	• If the machine is operated in the same condition, the devices for hydraulic circuit of the work equipment may be damaged.		
General information	• The hydraulic oil temperature caution symbol on the monitor panel flashes and this failure code is recorded. • Duplication of failure code: Start the engine.		

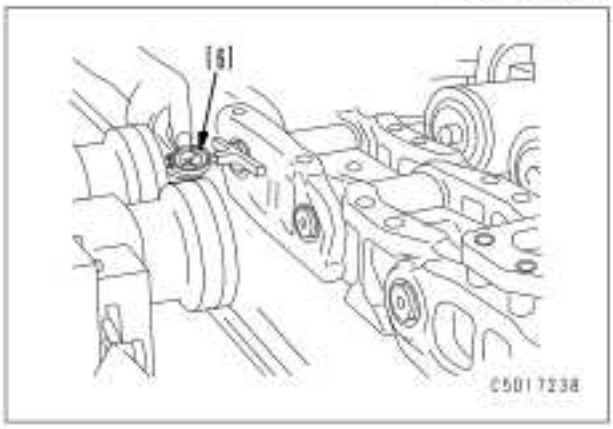
	Cause		Standard value when normal and remarks for troubleshooting
Possible causes and the standard values when normal	1	Hydraulic oil overheat (When system is normal)	It is suspected that the problem causing a detection of hydraulic oil overheat is currently occurring or occurred in the past. Investigate the cause and damage condition, and correct it.
	2	Defective hydraulic oil temperature caution lamp system	Carry out troubleshooting of hydraulic oil temperature caution lamp circuit in accordance with "While engine is running, emergency warning item flashes" in E-mode.

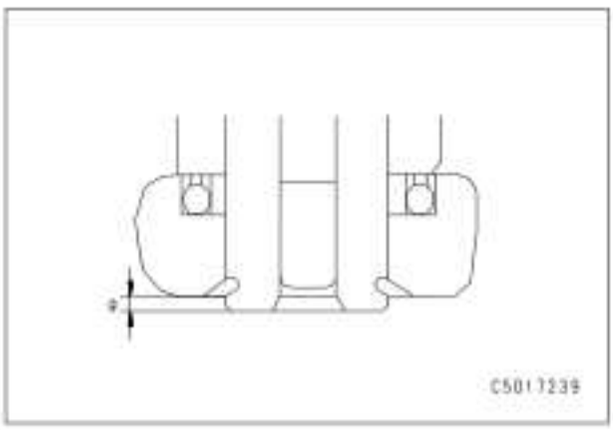
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	Cause		Standard value when normal and remarks for troubleshooting		
Possible causes and the standard values when normal	7	Disconnection or short circuit with ground in wiring harness (Disconnection in wiring or defective contact of connectors or contact with ground circuit)	★ Prepare with starting switch OFF and diagnose with starting switch still OFF.		
			Wiring harness between CN14 (female) (4) – CN29 (female) (3)	Resistance	Max. 1 Ω
			Between ground and wiring harness between CN14 (female) (4) – CN29 (female) (3)	Resistance	Min. 1 MΩ
			Wiring harness between CN29 (female) (6) – CN28 (female) (4)	Resistance	Max. 1 Ω
			Between ground and wiring harness between CN29 (female) (6) – CN28 (female) (4)	Resistance	Min. 1 MΩ
			Wiring harnesses between fuse (5) – CN14 (female) (2) (3) and CN23 (female) (3) – CN28 (female) (3)	Resistance	Max. 1 Ω
			Between ground and wiring harnesses between fuse (5) – CN14 (female) (2) (3) and CN23 (female) (3) – CN28 (female) (3)	Resistance	Min. 1 MΩ
			Wiring harness between CN28 (female) (5) – CN23 (female) (6)	Resistance	Max. 1 Ω
			Between ground and wiring harness between CN28 (female) (5) – CN23 (female) (6)	Resistance	Min. 1 MΩ
			Wiring harness between CN28 (female) (6) – ground	Resistance	Max. 1 Ω
			Wiring harness between CN23 (female) (1) – ground	Resistance	Max. 1 Ω

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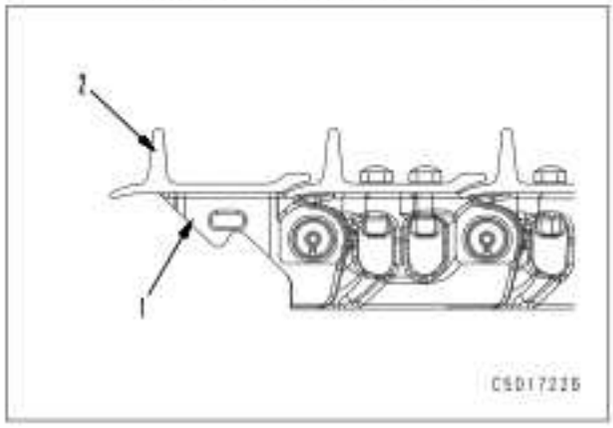
★ Using depth gauge [6], measure projection dimension (g) and adjust it to the following dimension while press fitting the pin.
Projection dimension (**g**):
4.7 ± 0.2 mm



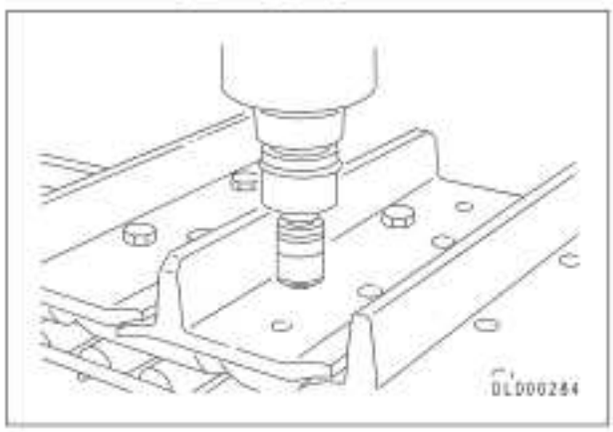


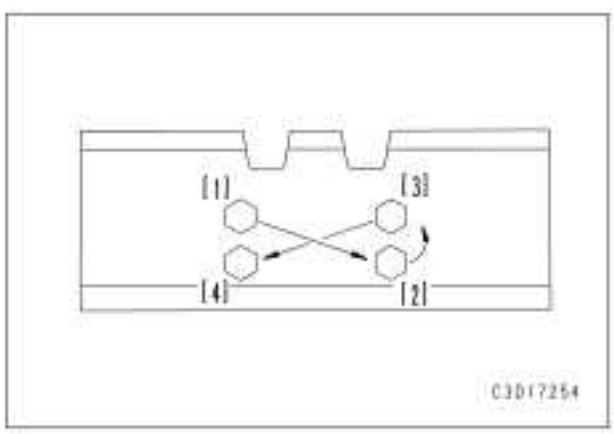
22) Perform steps 7) – 14) above.
23) Perform steps 15) – 19) above.
24) Assemble the master link on the roller tread side finally.
★ Ensure that the right and left master links are press fitted in parallel.

4. Installation of shoe
★ Set and install the shoe so that master link (1) and shoe grouser (2) on the shoe side will be positioned as shown below.



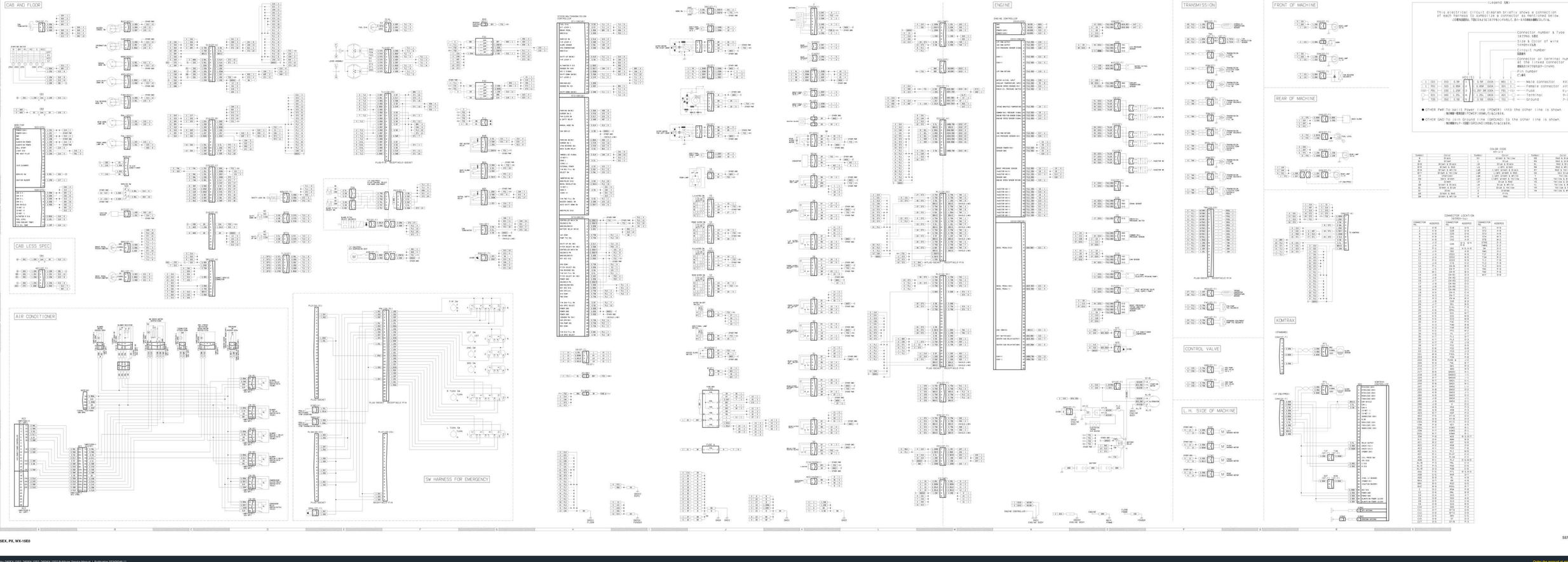
★ Set the link assembly on the link press bed and install the shoe with the shoe bolt impact wrench and torque wrench.
★ Tighten the shoe bolts in the following order.
Shoe bolt (Regular link):
Molybdenum disulfide lubricant (LM-P)
Shoe bolt (Regular link)
Initial torque: **343 ± 39 Nm {35 ± 4 kgm}**
Retightening angle: 120 ± 10 °





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Electrical circuit diagram
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D65PX-15E0 Serial No.: 69001 – 71068
D65WX-15E0 Serial No.: 69001 – 69104



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