CEBM006103

Shop Manual

HD785-5LC

DUMP TRUCK

SERIAL NUMBERS **A10144, A10224, A10228 - A10315**

KOMATSU®

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SECTION A

GENERAL INFORMATION

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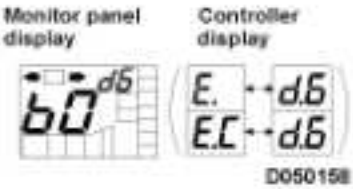
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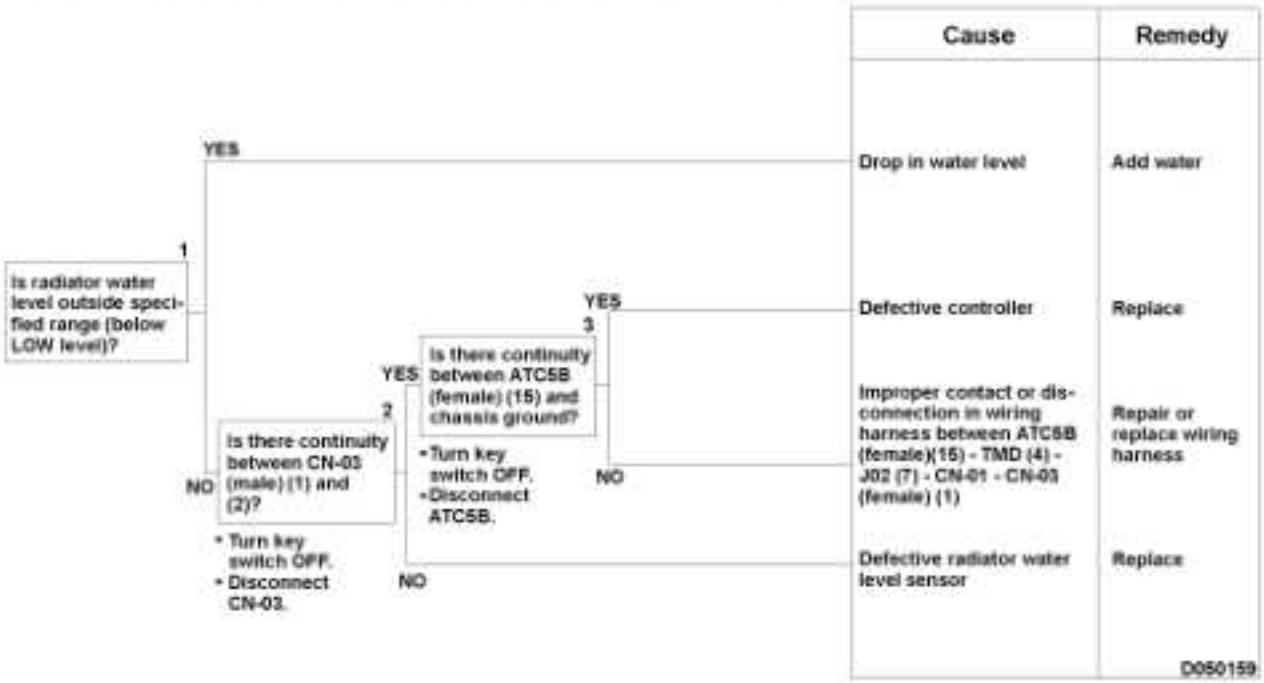
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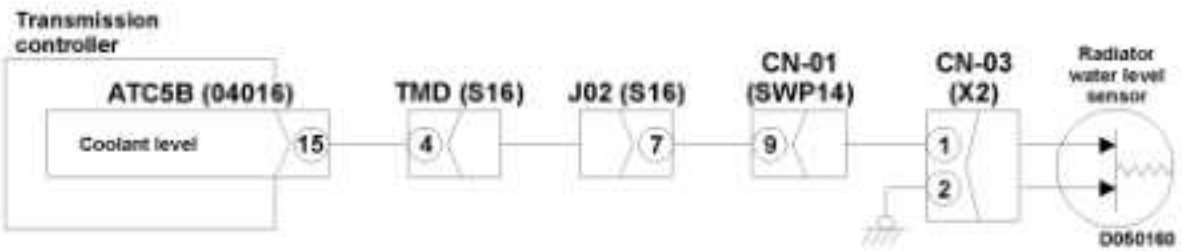
c) Drop in radiator water level warning is displayed



- Before carrying out troubleshooting, check that the cooling water level is not low.
- Before carrying out troubleshooting, check that all the related connectors are properly inserted.
- Always connect any disconnected connectors before going on to the next step.



A-18 c) Related electrical circuit diagram



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PRESSURE SWITCH

Function

Indicates low air pressure below 75 psi. Turns on dash light and warning buzzer.

If compressed air at a pressure higher than the specified pressure is applied to piston cup (7), the piston cup is pushed up, and at the same time, contact disc (4) is also pushed up.

When this happens, contact plate (8) and contact disc (4) are separated, so the circuit is opened.

Specifications:

- Normally closed switch, opens at 75 psi.
- Measuring between pins 1 and 2 at:
  8.3 kg/cm^2 (120 psi) - 160 ohms or less
  5.2 kg/cm^2 (75 psi) - 640 - 800 ohms

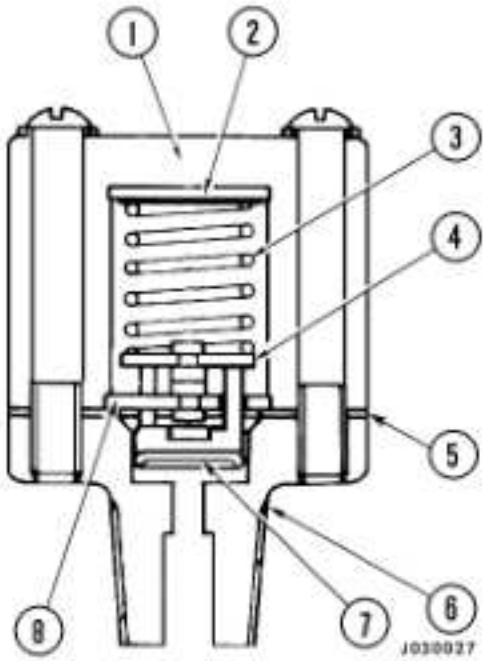


FIGURE 2-26. PRESSURE SWITCH

1. Cover
2. Contact Plate
3. Spring
4. Contact Disc
5. Gasket
6. Body
7. Piston Cup
8. Contact Plate

STOP LIGHT SWITCH

Function

When the brake pedal is depressed, air pressure acts on the switch to light up the stop lights.

Specifications:

Service brake switch

- Measuring between pins 1 and 2
  above 0.6 kg/cm^2 (8 psi) continuity
  below 0.2 kg/cm^2 (3 psi) no continuity

Emergency Brake Switch

- Measuring between pins 1 and 2
  above 4.9 kg/cm^2 (70 psi) no continuity
  below 3.7 kg/cm^2 (53 psi) continuity

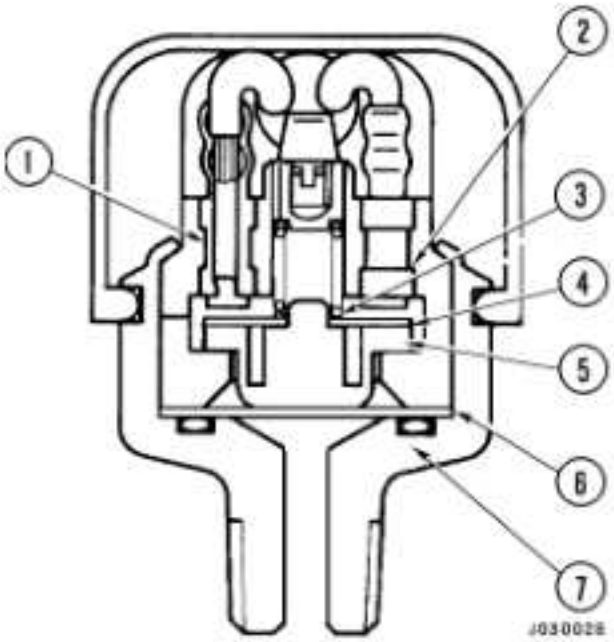


FIGURE 2-27. STOP LIGHT SWITCH

1. Terminal
2. Terminal
3. Spring
4. Plate
5. Block
6. Diaphragm
7. Body

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