PART NO. TT18P-E-00

HITACHI

Technical Manual

Troubleshooting

EX

8000-6

Hydraulic Excavator

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TO18P-E
Technical Manual (Troubleshooting)	: Vol. No.TT18P-E
Workshop Manual	: Vol. No.W18P-E

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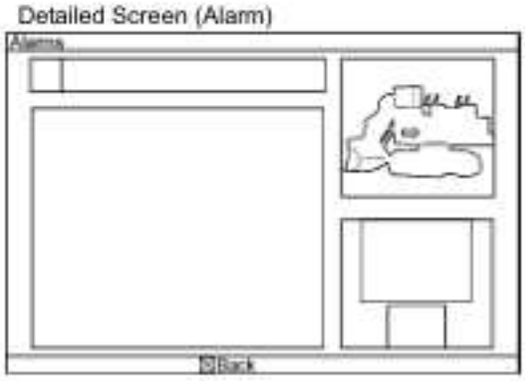
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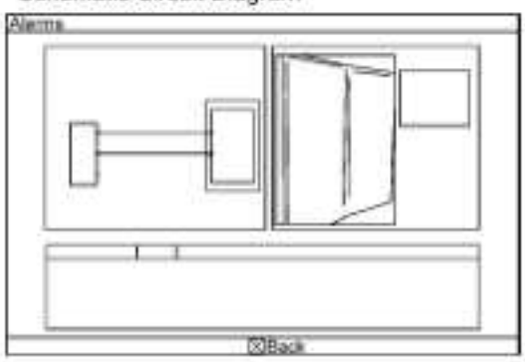
3. In order to display Schematic Circuit Diagram, push key ○.
   In order to return to Detailed Screen (Alarm), push key ×.

Detailed Screen (Alarm)



T1BG-05-01-034

Schematic Circuit Diagram



T1BG-05-01-035

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TROUBLESHOOTING B PROCEDURE

Troubleshooting B is used for executing troubleshooting of the engine by using the engine fault indicator inside the control box below the cab.

In case the engine control system malfunctions, the engine fault indicator lights.

Each warning lamp means the following.

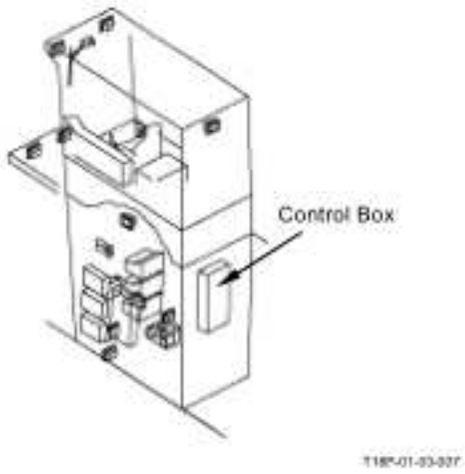
- Engine Stop Lamps (L), (R) (Red) (3), (4)
  Stop the engine immediately, and repair the defective portion.

- Engine Warning Lamps (L), (R) (Amber) (2), (5)
  Working can be continued for a while, but repair the defective portion within 24 hours.

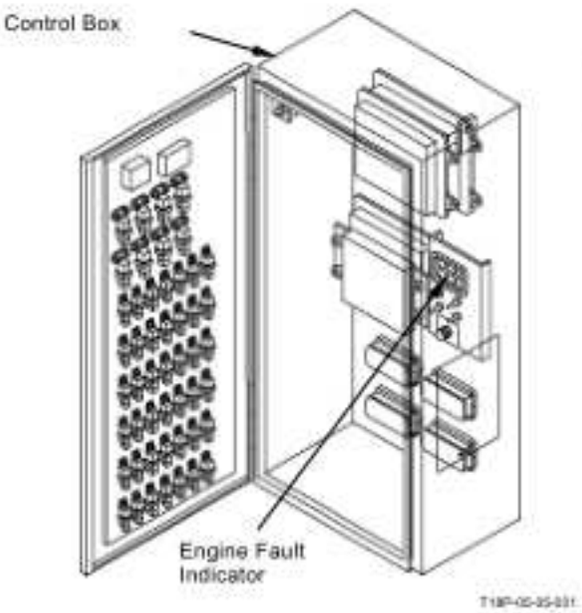
- Engine Maintenance Lamps (L), (R) (Yellow) (1), (6)
  Further operation can be allowed, but repair the defective portion in the next periodic maintenance.

NOTE: Fault codes related to engine stop lamps (L), (R) (Red) (3), (4) and engine warning lamps (L), (R) (Amber) (2), (5) can be also confirmed on the monitor display. Therefore, in case the monitor display is functioning normally, execute troubleshooting by using Troubleshooting A.

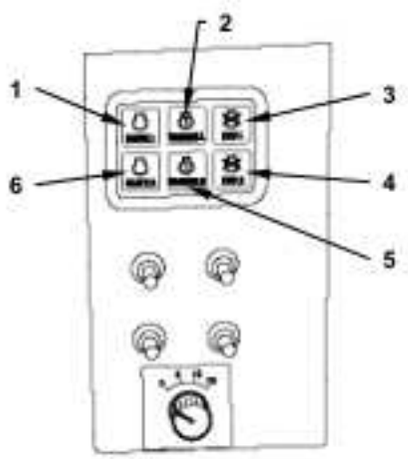
NOTE: Fault codes related to engine maintenance lamps (L), (R) (Yellow) (1), (6) cannot be confirmed on the monitor display. Therefore, periodically examine whether engine maintenance lamps (L), (R) (Yellow) (1), (6) lights or not, and in case it lights, read the fault code(s), and repair the portion(s) needing remedy in the next periodic maintenance.



T18P-01-03-027



T18P-05-05-031

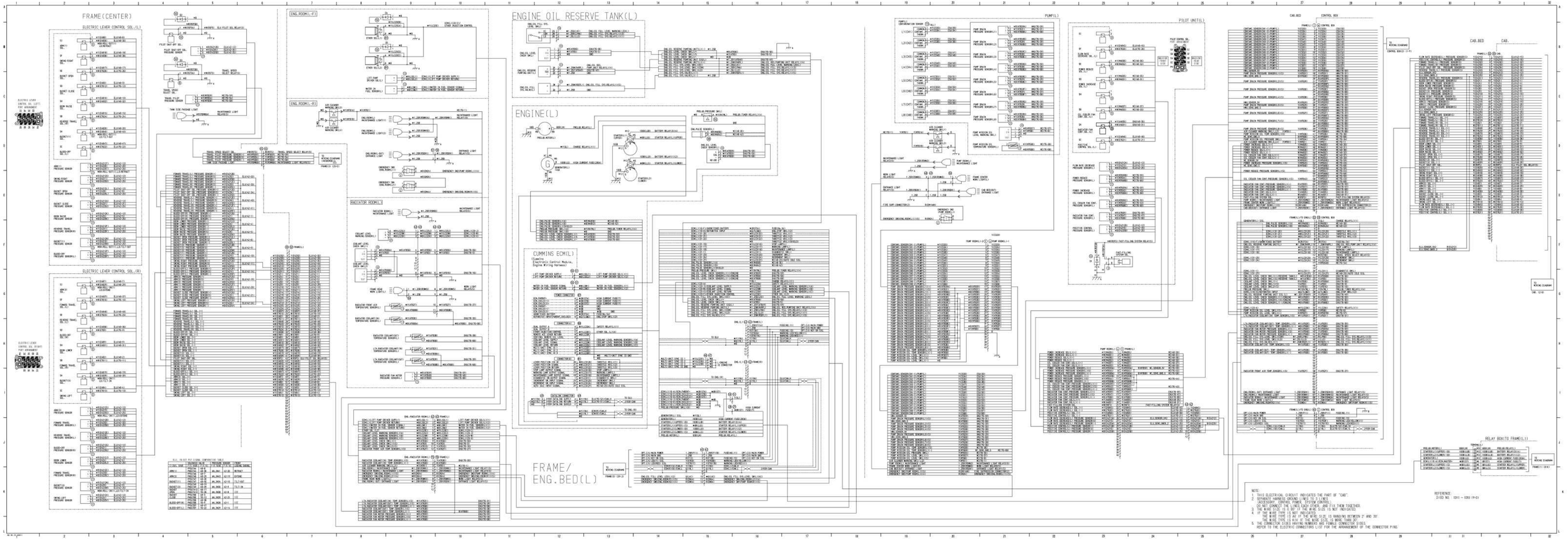


T18N-05-05-032

1 - Engine Maintenance Lamp (L) (Yellow)
2 - Engine Warning Lamp (L) (Amber)
3 - Engine Stop Lamp (L) (Red)
4 - Engine Stop Lamp (R) (Red)
5 - Engine Warning Lamp (R) (Amber)
6 - Engine Maintenance Lamp (R) (Yellow)

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Authorized Hitachi Dealer Use Only
Parts numbers on the drawing are provided only for reference purpose.
To order parts on the drawing, be sure to consult the Parts Catalog.



NOTE:
1. THIS ELECTRICAL CIRCUIT INDICATES THE PART OF "CAB".
2. SEPARATE HARNESS GROUND (SIZE 10.3 WIRE) IS USED FOR ENGINE AND PUMP SYSTEM GROUND.
DO NOT CONNECT THE LINES EACH OTHER, AND FIX THEM TOGETHER.
3. THE WIRE SIZE IS 0.85 IF THE WIRE SIZE IS NOT INDICATED.
4. IF THE WIRE TYPE IS NOT INDICATED,
THE WIRE TYPE IS AV IF THE WIRE SIZE IS RANGING BETWEEN 2F AND 30F.
THE WIRE TYPE IS AVS IF THE WIRE SIZE IS 0.85.
5. THE CONNECTOR SIGNS HAVING NUMBERS ARE FEMALE CONNECTOR SIDES.
REFER TO THE ELECTRIC CONNECTORS LIST FOR THE ARRANGEMENT OF THE CONNECTOR PINS.

REFERENCE:
DWG NO. : 1241 – 1063 (9-0)

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