CX80C

Midi Crawler Excavator

SERVICE MANUAL

Part number 47575340A

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CASE CONSTRUCTION

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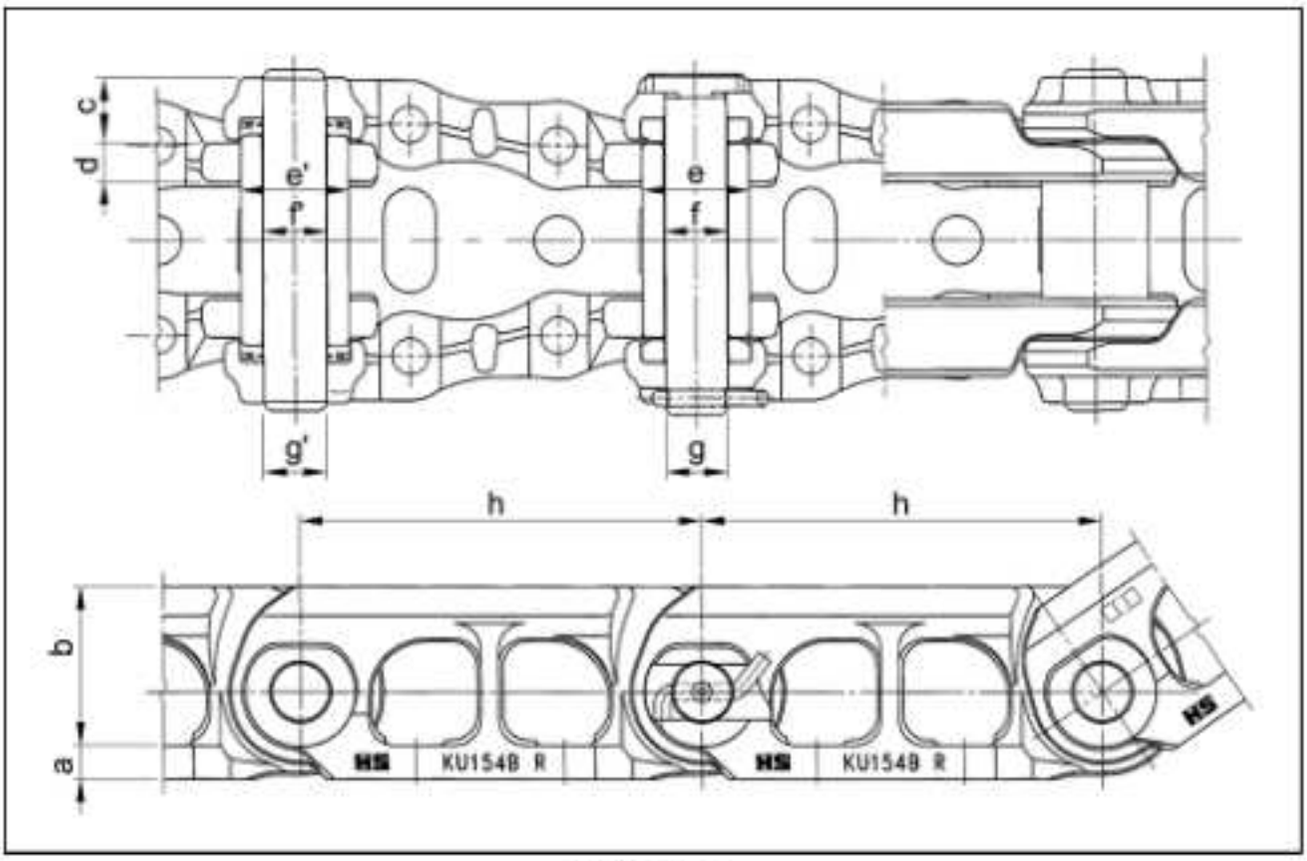
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Track chain - Service limits

Track shoe (grouser shoe)



Part name	Code	Mea-sureme nt dimension	Standard value	Usage limit	Judgment	Action
Shoe plate	a		20 mm (0.787 in)	10 mm (0.394 in)	Acceptable/ Unacceptab le	Replace-ment
Link	b		74 mm (2.913 in)	71 mm (2.795 in)	Acceptable/ Unacceptab le	Clad by welding or replace
	c		45 mm (1.772 in)	49 mm (1.929 in)	Acceptable/ Unacceptab le	
	d		105 mm (4.134 in)	101 mm (3.976 in)	Acceptable/ Unacceptab le	
Master bushing	e	Ø	Ø41.3 mm (1.626 in)	Ø40.3 mm (1.587 in)	Acceptable/ Unacceptab le	Replace-ment
	f	Ø	Ø24.5 mm (0.965 in)	Ø24.9 mm (0.980 in)	Acceptable/ Unacceptab le	
Master pin	g	Ø	Ø23.8 mm (0.937 in)	Ø23.2 mm (0.913 in)	Acceptable/ Unacceptab le	Replace-ment
Link pitch	h		154 mm (6.063 in)	158 mm (6.220 in)	Acceptable/ Unacceptab le	Replace-ment
Track bushing	e'	Ø	Ø41.3 mm (1.626 in)	Ø40.3 mm (1.587 in)	Acceptable/ Unacceptab le	Replace-ment
	f'	Ø	Ø24.5 mm (0.965 in)	Ø24.9 mm (0.980 in)	Acceptable/ Unacceptab le	
Track pin	g'	Ø	Ø24 mm (0.945 in)	Ø23.2 mm (0.913 in)	Acceptable/ Unacceptab le	Replace-ment

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Harnesses and connectors - Electrical schematic frame 17

Connector	Description
A1	Computer A
B92	Horn low (left)
B93	Horn low (right)
E2	Working light (attachment)
E9	Working light (side)
H2	Travel alarm
M20	Electric fuel pump
M4	Washer motor
S52	Air conditioning compressor clutch switch
X2	Rotary light connector
Y8	Air conditioner magnet clutch
CN.A4	Computer A: 4: 22-pin connector
CN.A45	Cab; Harness: B: 18-pin connector
CN.A51	Frame main harness: B: 8-pin connector
CN.A55	Frame main harness: F: 20-pin connector
CN.D37	Fuel pump: 2-pin connector
CN.D38	Diode: Pump connector
CN.D66	Boom lamp harness connector
CN.D67	Washer motor connector
CN.D68	Diode: Washer connector
CN.D69	Travel alarm connector
CN.D70	Horn: L+ connector
CN.D71	Horn: L- connector
CN.D72	Horn: H+ connector
CN.D73	Horn: L- connector
CN.D74	Beacon harness connector
CN.D76	Feed pump harness connector
CN.D77	Receiver dryer connector
CN.D78	Air conditioner compressor connector
CN.D80	Ground G1 connector
CN.D90	Side lamp harness connector
CN.D91	-
CN.G2	Boom lamp harness connector

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P20DE-Fuel filter pressure too low

Control Module : ECU

Solution:

1. Check and diagnose the below fault codes before you proceed with the diagnostics of P20DE:

   Diagnostic Trouble Code P1294

2. This Diagnostic Trouble Code is set due to clogging of the fuel filter.

   Replace the fuel filter **(B88)** .

   Turn "ON" the ignition switch.

   Clear the Diagnostic Trouble Code with a trouble diagnosis scan tool.

   Turn "OFF" the ignition switch for **30 s** or more.

   Start the engine.

   Perform a test-run.

   Observe the Diagnostic Trouble Code information with a trouble diagnosis scan tool.

   Inspect the fuel pipe between the fuel tank and the fuel filter **(B88)** for clogging, twisting, and bending.

   A. If a problem is found, repair or replace the fuel pipe.

   B. If there are no problems, proceed to Step **3**.

3. Turn "OFF" the ignition switch.

   Disconnect the harness connector (**CN.D36**) from the fuel filter pressure sensor **(B88)**.

   Inspect for poor connections at the fuel filter pressure sensor **(B88)** harness connector (**CN.D36**).

   A. If a problem is found,

   B. If there are no problems, proceed to Step **4**.

4. Disconnect the harness connector (**CN.D1**) from the ECM **(A2)**.

   Inspect for poor connections at the ECM **(A2)** harness connector (**CN.D1**).

   A. If a problem is found, repair the harness connector (**CN.D1**).

   B. If there are no problems, proceed to Step **5**.

5. Inspect each circuit between the ECM **(A2)** and the fuel filter pressure sensor **(B88)** for high resistance.

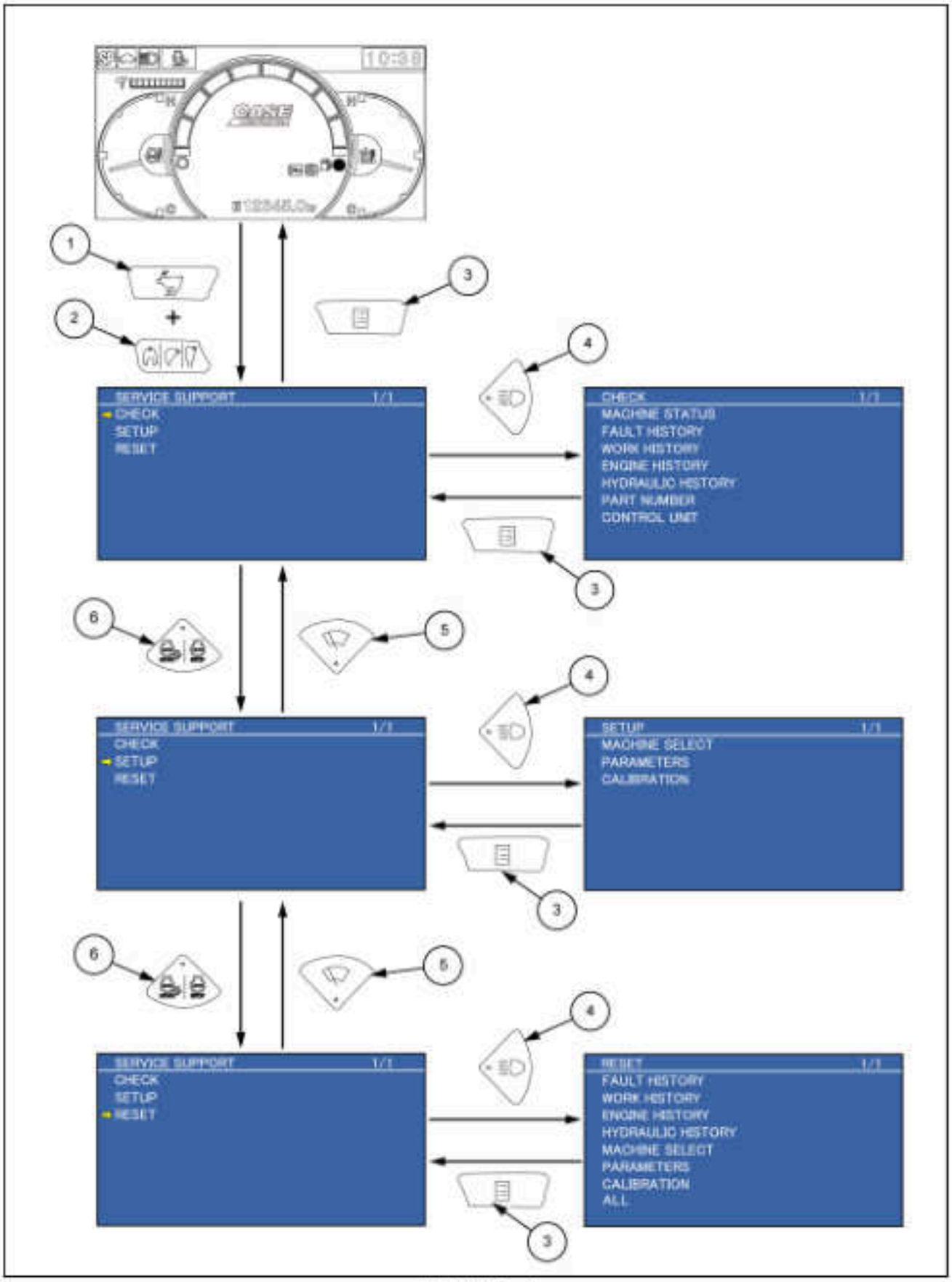
   A. If a problem is found, repair the applicable circuit.

   B. If there are no problems, replace the fuel filter pressure sensor **(B88)**.

Harnesses and connectors - Electrical schematic frame 39 (55.100-C.20.E.39)
Harnesses and connectors - Electrical schematic frame 03 (55.100-C.20.E.03)

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Instrument cluster - Static description – Screen display list



SWL13CES400HB 1

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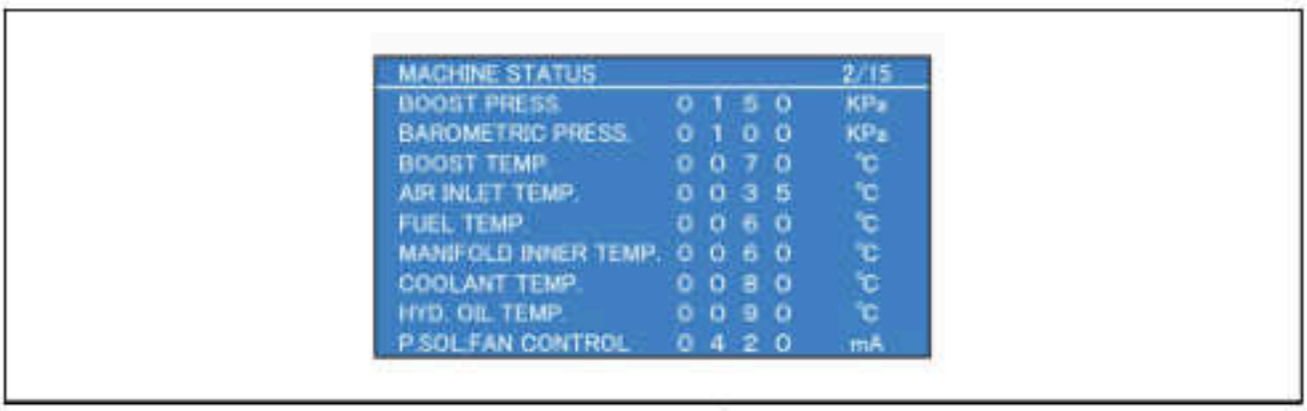
Hydraulic systems - Pressure test – Procedures for measuring hydraulic oil temperature from the monitor display

Hydraulic oil temperature measurement method

The hydraulic oil temperature can be measured from the monitor display.

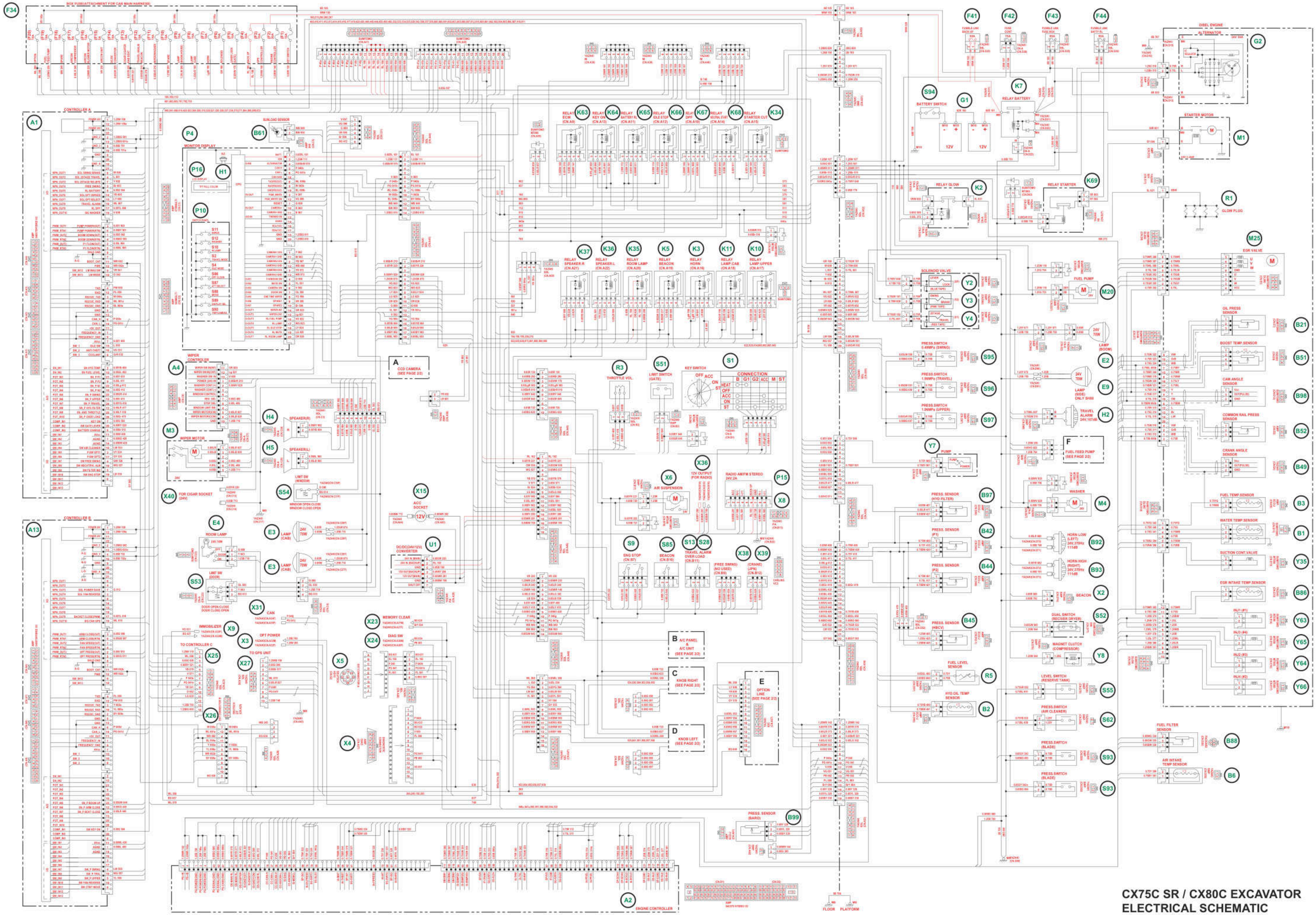
Operating method

1. If both the travel speed select switch and the attachment select switch on the switch panel are held down, the display switches to the service support screen.
2. CHECK the select service support screen.
3. MACHINE STATUS the select service support screen.
4. The hydraulic oil temperature is displayed in the "Hyd.OIL TEMP" column.



LPIL12CX0010EA 1

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