CASE

PROFESSIONAL PARTNER

OPERATOR'S MANUAL

EXCAVATOR

CX470B TIER 3

84146904 NA

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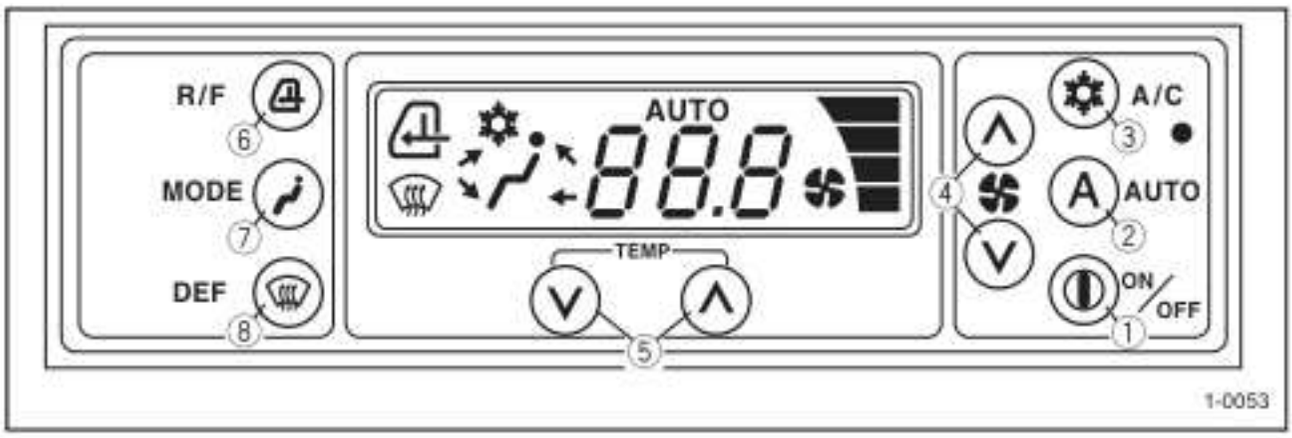
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Air Conditioner



Control Panel

① Main Power Supply Switch
② Auto Control Switch
③ Compressor Switch
④ Fan Air Volume Change Switch
⑤ Temperature Control Switch
⑥ Inside/Outside Air Change Switch
⑦ Vent Change Switch
⑧ Defroster Switch

① Main Power Supply Switch
This switch operates (ON) and stops (OFF) the air conditioner.
When turned ON by pressing this switch, the operation starts using the setting when the last time turned off.



② Auto Control Switch
By pressing this switch when the main power supply switch is OFF, the air conditioner runs in an automatic mode.
When the switch is pressed, the vent air temperature, vent change and fan air volume are automatically controlled and the AUTO indication is lit on the LCD display.



③ Compressor Switch
Turns ON/OFF the compressor.
When it is turned ON, ✡ is indicated on the LCD display.
Press the auto control switch, the compressor is automatically turned on.
When this switch is pressed, the AUTO on the LCD display is turned off.



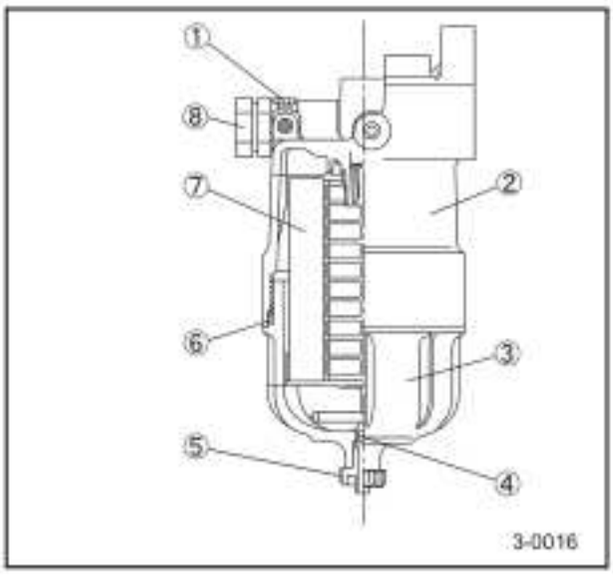
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Fuel Filter (Main) Replacement

• Maintenance: every 500 hours

⚠ WARNING

Completely wipe off any spilled diesel fuel after replacing an element or air bleeding.



1. Close the fuel cock.
2. Loosens the bleeding plug ① and also drain plug ⑤ then discharge fuel.

⚠ CAUTION

Receive fuel drained out in a container so that the fuel will not be splashed on the engine.

3. Remove the filter case ③ by using the special filter wrench.
4. Replace the old filter case and the gasket of drain plug with the new ones, put the new element ⑦ in the case ③ and smear the gasket with fuel sparingly to screw it in.
5. Tighten the filter case by using the special tool after the gasket has been in contact with the sealing surface.
   Tightening torque of filter case : 28 - 32 N•m
6. Open the fuel cock.
7. Bleed the air after it has been fitted.
   (Refer to "Bleeding air from the fuel system" .)
8. Start the engine to check that no oil leakage is confirmed in the fuel system.

● When replacing it with the pre-filter, replace the pre-filter first and bleed the air after the main filter has been replaced.

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7. Mass

(a) Operating mass

with 3.38 m Arm, 1.8 m^3 Sumitomo Bucket, 900 mm grouser shoe operator, lubricant, coolant and full fuel tank

47,100 kg (103,800 lb) (with fixed sideframe undercarriage)
48,600 kg (107,100 lb)(with retractable sideframe undercarriage)

(b) Shipping mass

Operating mass - (operator mass (75kg) + 90 % of fuel mass + bucket mass (1450kg))

45,200 kg (99,600 lb) (with fixed sideframe undercarriage)
46,600 kg (102,700 lb) (with retractable sideframe undercarriage)

(c) Counter weight mass

9,200 kg (20,280 lb)

(d) Ground pressure

with 3.38 m Arm, 1.8 m^3 Sumitomo Bucket, 900 mm grouser shoe

0.054 MPa (0.55 kgf/cm^2) (with fixed sideframe undercarriage)
0.055 MPa (0.57 kgf/cm^2) (with retractable sideframe undercarriage)

8. Digging force (with 1.8 m^3 Sumitomo Bucket)

(ISO 6015)

		(3.38 m Arm)	(2.53 m Arm)	(4.00 m Arm)	(4.85 m Arm)
Arm digging force	:	189 kN (42,490 lbf)	232 kN (52,160 lbf)	165 kN (37,090 lbf)	145 kN (32,600 lbf)
With auto power up	:	206 kN (46,310 lbf)	254 kN (57,100 lbf)	181 kN (40,690 lbf)	159 kN (35,740 lbf)
Bucket digging force	:	247 kN (55,530 lbf)	247 kN (55,530 lbf)	247 kN (55,530 lbf)	247 kN (55,530 lbf)
With auto power up	:	270 kN (60,700 lbf)	270 kN (60,700 lbf)	270 kN (60,700 lbf)	270 kN (60,700 lbf)

9. DIMENSIONS

(a) Fixed sideframe undercarriage

	(3.38 m Arm)	(2.53 m Arm)	(4.00 m Arm)	(4.85 m Arm)
Overall length (without attachment)	6395 mm	6395 mm	6395 mm	6395 mm
Overall length (with attachment)	12010 mm	12060 mm	11990 mm	12070 mm
Overall height (with attachment)	3600 mm	3640 mm	3600 mm	4390 mm
Cab height	3320 mm	3320 mm	3320mm	3320 mm
Upper structure overall width (without catwalks)	3060 mm	3060 mm	3060 mm	3060 mm

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