CASE

PROFESSIONAL PARTNER

OPERATOR'S MANUAL

EXCAVATOR

CX350B TIER 3

87493801 NA

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Table of Contents

To the Owner 0-1
Safety Labels 0-2
For Safe Driving 0-3

Safety Section 0-7
Precaution Identification Plates (DECALS) 0-8
Identification Plates inside the Cabin 0-8
Outside Identification Plate 0-12
Precaution Identification Plates on Parts (Examples) 0-16
Prior to Operation 0-17
Confirmation of Safety items 0-19
During Operation 0-22
While Traveling 0-26
After Operating 0-27
While Transporting 0-28
Before Regular Inspection & Maintenance 0-29
Inspection and Maintenance 0-30

Instruments and Controls 1-0
Location of Components 1-1
Overall View 1-1
Operator's Cab 1-2
Seat and Console 1-3
Right Panel 1-4
Console right side front 1-4
Explanation of device 1-5
Console right side front 1-5
Right Console 1-6
Left Console 1-9
Right Panel 1-11
Control Levers 1-18
Operator's Seat 1-21
Operator's Cab 1-23
Radio 1-28
Air Conditioner 1-30
Fuses 1-37
Battery 1-38
Starting the Engine by Using Booster Cables 1-39
Anti-theft Protection 1-41
Anti-theft Protection 1-41
Using the Anti-theft Protection Function 1-42

Operating Instructions 2-0
Operation of New Machine 2-1
Using a New Machine 2-1
Daily Inspections 2-2
Daily Inspections 2-2
Starting and Stopping the Engine 2-4
Inspections before Starting the Engine 2-4
Starting the Engine 2-5
Inspections after Starting the Engine 2-6
Stopping the Engine (Normal Operation) 2-7
Warm-up Operation 2-8
Warm-up Operation 2-8
Operations (Traveling) 2-10
Operations (Swing) 2-18
Swing Operation 2-18
Operations (Attachment) 2-19
Operations 2-20
Characteristics of Hydraulic Excavator 2-20
Cautions for operations 2-20
Cautions for Interference 2-21
Special Attachments 2-22
Operating Instructions (Cautions) 2-24
Operating Instructions (Procedures) 2-25
Bucket: Turning Over and Replacement 2-27
Bucket: Turning Over and Replacement 2-27
On Completion of Daily Operations 2-29
On Completion of Daily Operations 2-29
Operating in Cold Climates 2-31
Operating under Extreme Conditions 2-32
Transportation 2-33
Loading and Unloading 2-33
Switch settings during loading and unloading 2-33
Transportation 2-33
Storing 2-38

Inspections and Maintenance 3-0
General Cautions 3-1
Periodic Maintenance Check List 3-2
Daily Inspections (Prior to Operation) 3-2
Periodic Maintenance Check List 3-3
Fuel / Lubricants for Different Ambient Temperature Settings 3-4
Genuine CASE Company LLC Parts and Elements 3-5
Disposable Items 3-6
Grease / Oil and Elements 3-7
Inspection Prior to Operation 3-9
Inspections Prior to Operation 3-9
Greasing Attachments 3-13
Greasing Front Attachment Pins 3-13
Fuel System 3-15
Fuel 3-15
Fuel Refilling and Fuel Level Checking 3-18
Drainage of Water and Sediments in the Fuel Tank 3-18
Draining Water from the Pre Fuel Filter 3-19
Pre Fuel Filter Replacement 3-20
Draining Water from the Fuel Filter (Main) 3-21
Fuel Filter (Main) Replacement 3-21
Engine 3-23
Engine Oil Replacement 3-23
Engine Oil Filter Replacement 3-23
Cooling System 3-25
Inspecting and Refilling Coolant 3-25
Replacing the Coolant 3-26
Cleaning and Inspecting the Radiator Net and Fin 3-28
Cleaning and Replacing the Air Cleaner (double elements) 3-29
Inspection and Adjustment of Fan Belt 3-31
Bolt Torque 3-32
Bolt and Nut Torque 3-32
Hydraulic Oil 3-36
Hydraulic Oil Level Inspection 3-36
Refilling Hydraulic Oil 3-36

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Table of Contents

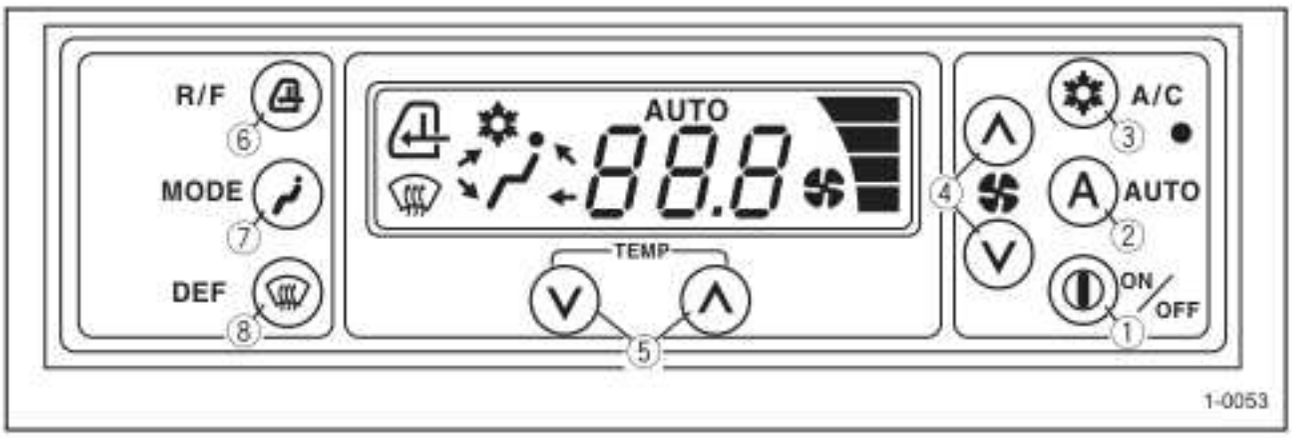
Draining Water and Sediment from the Hydraulic Oil Tank 3-37
Hydraulic Oil Management 3-38
Hydraulic Oil Replacement 3-38
Bleeding Air from the Hydraulic Components 3-39
Air Bleeding Procedures 3-39
Air Bleeding from Hydraulic Pump 3-39
Air Bleeding from Cylinder 3-40
Air Bleeding from Swing Motor 3-40
Cleaning and Replacing Suction Filter 3-41
Replacing Return Filter 3-41
Replacing Air Breather Element 3-42
Replacing Pilot Oil Filter Element 3-42
Replacement Intervals for Hydraulic Oil and Filters when Using Breaker 3-43
Checking Hoses and Lines 3-43
Battery 3-44
Battery Inspection and Charge 3-44
Upper Frame 3-46
Turntable Bearing Greasing 3-46
Greasing Swing Ring Gear 3-46
Swing Unit 3-47
Oil Level Inspection and Refilling of Swing Reduction Gear 3-47
Oil Replacement for Swing Reduction Gear 3-47
Greasing Swing Reduction Gear 3-48
Travel Unit 3-49
Travel Reduction Gear 3-49
Oil Level Inspection and Refilling of Travel Reduction Gear 3-49
Oil Replacement for Travel Reduction Gear 3-49
Inspecting Upper/Lower Take-up Roller (Idler Wheel) 3-50
Inspection and Tightening of Shoe Plate 3-50
Cleaning Crawler 3-50
Inspection and Adjustment of Track Shoe Tension 3-51
Bucket 3-52
Replacing Bucket Teeth: Standard type (Length Pin Type) 3-52
Replacing Bucket Tooth: Standard type (Side pin type) 3-54
Replacing Bucket Teeth: Heavy Digging Type 3-55
Adjustment of Bucket Backlash 3-56
Air Conditioner 3-57
Inspection and Care of Air Conditioner 3-57
Routine Replacement Safety Parts 3-61
Troubleshooting 3-62
Contacting Us 3-67

Specifications 4-0
Conversion Factors 4-1
CONVERSION FACTORS 4-1
Specifications 4-2

Optional Components 5-0
Selector Valve 5-1
Selector valve (2-way) 5-1
Breakers 5-2
Handling the Breaker (Attachment) 5-2
When Using a Hydraulic Breaker 5-3
Importance of Hydraulic oil Control 5-6
Crusher 5-8
Using the Crusher (Attachment) 5-8
Special Attachment 5-11
Controlling Rocker switch 5-13
Position of control pedal 5-14

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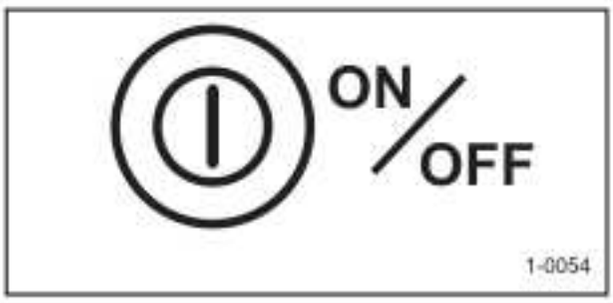
Air Conditioner



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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Periodic Maintenance Check List

For the recommended service interval hour figures in the table, refer to the following descriptions also. Whichever precedes the other in a set is when you need to service the machine.

10 hours (or Inspections prior to operation)
50 hours (or every week)
250 hours (or every month)
500 hours (or every three months)
1000 hours (or every six months)
2000 hours (or every 18 months)
5000 hours (or every 30 months)
10000 hours (or every 60 months)

	Areas to be checked or serviced	Service interval								Grease / oil (Replacement parts)	Notes
		10	50	250	500	1000	2000	5000	10000		
	Grease attachments (other than EM System)	■	○							Extreme pressure grease	*1
	Grease attachments (EM System specifications)	■				○					
Engine	Drain water from fuel tank	×									
Engine	Fuel filter (Main)	×			◎					Element	
Engine	Fuel filter (Pre)	×		◎						Element	
Engine	Engine oil pan	■			◎					Engine oil	
Engine	Engine oil filters				◎					Element	
Engine	Check and adjust fan belt			■							
Engine	Radiator coolant	■	Every 2 years (when using long life coolant)							Long life coolant	*2
Engine	Clean radiator net and fan				□						
Engine	Air cleaner element			□		◎				Element	
	Retighten nuts & bolts		△	■							
Swing unit	Drain sediment out of hydraulic oil tank	■		×							
Swing unit	Replace hydraulic oil							◎		Hydraulic oil	
Swing unit	Pilot oil filter			△			◎			Element	
Swing unit	Return filter			△			◎			Element	
Swing unit	Suction filter						□	◎		Element	
Swing unit	Air breather					◎				Element	
Swing unit	Retighten hoses		■								
Swing unit	Check batteries			■							
Swing unit	Turntable bearing				○					Extreme pressure grease	
Swing unit	Swing ring gear				○					Extreme pressure grease	
Swing unit	Gear oil of swing reduction gear			△■		◎				Gear oil	
Swing unit	Grease swing reduction gear						○			Extreme pressure grease	
Crawler	Gear oil of travel reduction gear			△■			◎			Gear oil	
Crawler	Upper roller, take-up roller			■						Engine oil	
Crawler	Lower roller			■						Gear oil	
Miscellaneous	Air conditioner		□	■			◎				
Miscellaneous	Adjust clearances of bucket installer pins			When necessary							
Miscellaneous	Adjust tension of track shoe			When necessary							

○ : Grease
△ : Check or replace when brand new
◎ : Change oil or replace element
□ : Clean
× : Drain water / sediment
■ : Retighten, check, and adjust

Notes:
*1 Grease daily if you work in wet or damp conditions.
Grease every 10 hours if not equipped with our genuine bucket.
*2 Replace every 500 hours if you use tap water.

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(e) Cylinders	NO.of cylinders - bore × Rod diameter × Stroke		
Boom	: 2 - φ145 mm	× φ100 mm	× 1495 mm
Arm	: 1 - φ170 mm	× φ120 mm	× 1748 mm
Bucket	: 1 - φ150 mm	× φ105 mm	× 1210 mm

(f) Cooling system

Fan	: φ850 mm (33.5 in) with 6-blades
Radiator capacity	: 96.0 kW (82,600 kcal/h)
fin type	: Corrugated fin (wavy type)
fin space	: 2.0 mm
Long life coolant	: Coolant 55 %, Water 45 %
Oil cooler capacity	: 66.6 kW (57,300 kcal/h)
fin type	: Corrugated fin (wavy type)
fin space	: 1.75 mm
Intercooler capacity	: 29.9 kW (25,700 kcal/h)
fin type	: Straight fin
fin space	: 2.0 mm
Fuel cooler capacity	: 1.7kW (1,460 kcal/h)
fin type	: Corrugated fin (wavy type)
fin space	: 2.0 mm

(g) Filters

Suction filter	: 105 μm
Return filter	: 6 μm
Pilot line filter	: 8 μm

3. HYDRAULIC CONTROLS

(a) Boom/Arm/Bucket/Swing..... Pilot pressure control system (ISO control pattern)

(b) Travel..... Pilot pressure control system

(c) Work mode select

(1) SP- mode

(2) H - mode

(3) Auto - mode

(d) Travel mode select (2-speed travel)

(e) Attachment cushion control

(f) Hydraulic lock (gate lock, left side tilt console)

(g) Single pedal travel

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