CX350C
Crawler Excavator

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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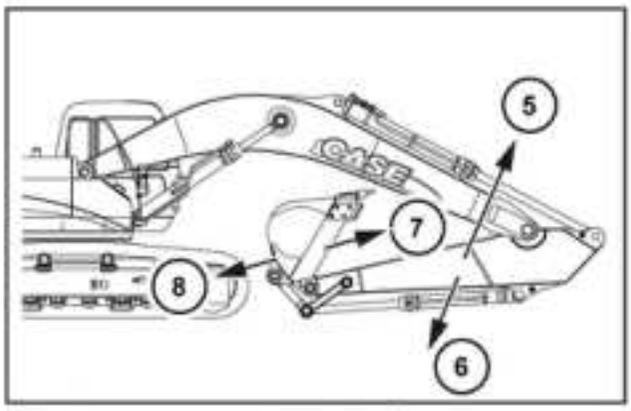
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(5) The arm extends.
(6) The arm retracts.
(7) The bucket retracts (filling).
(8) The bucket extends (dumping).



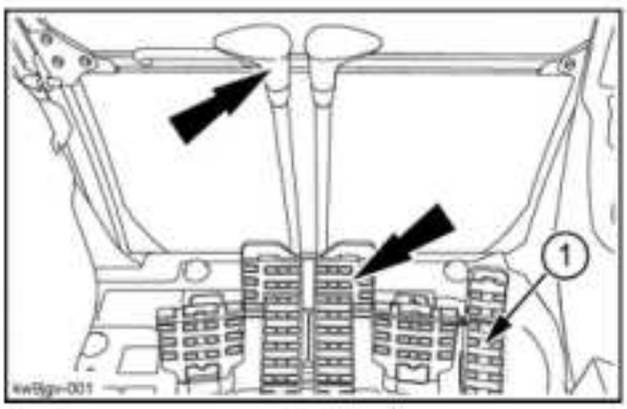
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Travel control levers and pedals

These levers and pedals are used to move the machine. (Refer to page **4-14**).

ATTENTION: *Lock the travel pedal* ***(1)*** *when not in use. See chapter "Locking the travel pedal".*

NOTE: *Travel speed either forward or in reverse depends on the position of the travel speed selector. (Refer to page* ***3-23****).*



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Auxiliary pedal (if equipped)

⚠WARNING

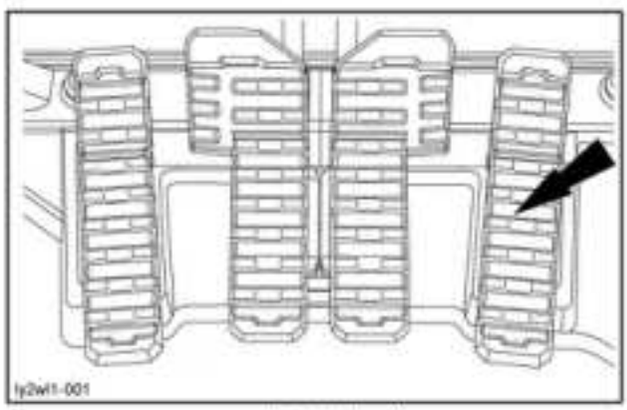
Unexpected machine movement!
ALWAYS lock the auxiliary pedals when not in use.
Failure to comply could result in death or serious injury.

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This pedal is used for optional accessories such as hydraulic breaker, if equipped, etc. (Refer to page **4-29**).

See chapter "Adjustment and locking auxiliary pedals".

ATTENTION: *Consult your CASE CONSTRUCTION Dealer before mounting optional tools.*



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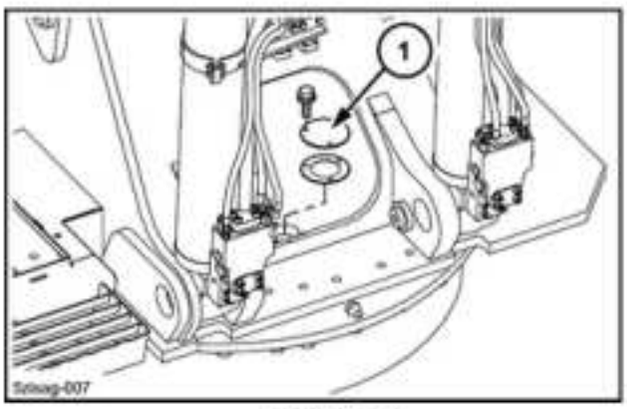
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Greasing the turntable teeth

Grease capacity: **21 kg** (**46.3 lb**)
Type of grease: (refer to page **6-5**)

Every 500 hours

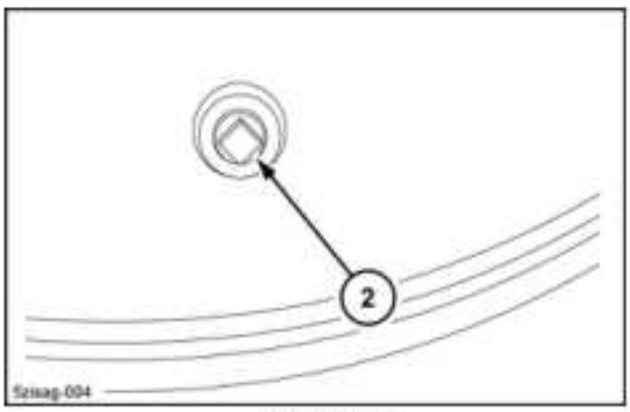
1. Remove the inspection cover **(1)** and visually check the condition of the gear surface and for any damage.
2. If the gear surface is not well greased, add grease.
3. If the grease is white due to moisture content, etc. replace it with new grease.



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4. If the presence of water is detected, remove the plug **(2)** and drain off the water.

- Remove the protective panel from the lower central area.
- Remove plug **(2)**.
- Discharge the water or contaminated grease.
- Install plug **(2)**.
- Insert new grease through the port and install the inspection cover **(1)**.



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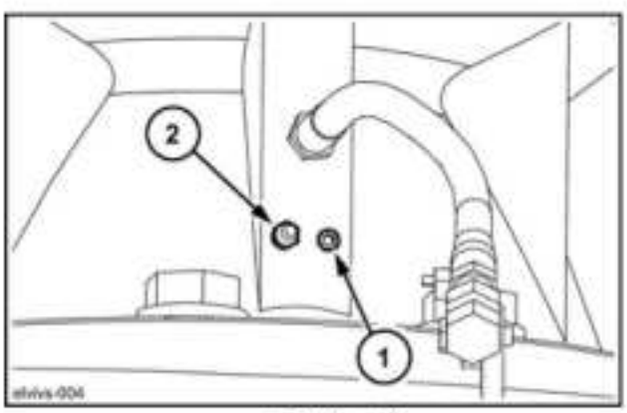
Greasing the swing reduction gear

Grease capacity: **0.8 kg** (**1.8 lb**)
Type of grease: (refer to page **6-5**)

Every 2000 hours

1. Remove the lower panel, remove the air bleed plug **(1)** and refill with grease through the grease point **(2)**.
2. A certain amount of grease should run out from the air bleed plug **(1)**.
3. Install the air bleed plug **(1)** then install the lower panel.

NOTICE: *When greasing, the inner seal will be damaged if the air bleed plug* ***(1)*** *is not removed.*



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8 - SPECIFICATIONS

Machine specifications

Engine

NOTICE: *All specifications are given according to SAE Standards or Recommended Practices where the specification applies.*

Make and type	ISUZU AL-6HK1X
Common rail, turbocharger with air cooled intercooler, **(DPD)** Diesel Particulate Diffuser system, fuel cooler	yes
Injection	electric control
Number of cylinders	6
Bore/stroke	**115 mm (4.5 in) x 125 mm (4.9 in)**
Displacement	**7790 cm³/rev (475.4 in³/rev)**
Cooling	by water
Battery starting	2 x **12 V 128 A·h**
Voltage	**24 V**
Alternator	**50 A**
Starter	**24 V 5.0 kW**

Working conditions

Speed	**1900 RPM**
Power	**198 kW (269.2 Hp)**
Engine oil capacity (with remote oil filter)	**49 l (12.9 US gal)**
Fuel tank capacity	**580 l (153.2 US gal)**
Fuel filler pump	if equipped
Engine/pump assembly mounted on flexible mountings	
Filtration in dusty conditions	
Electronically controlled governor	

Hydraulic system

Variable flow piston-type double pump. Main pump max flow (at **1900 RPM**)	2 x **285 l/min (75.3 US gpm)**
Fixed flow pump (pilot circuit).Max. flow:	**28.5 l/min (7.5 US gpm)**
Working pressure. Attachment/power boost	**343 - 373 bar (4973.5 - 5408.5 psi)**
Oil cooler with air cooling from engine	
High pressure multispiral hoses minimum safety factor	2 to 4 times the working pressure
Self-lubricating hydraulic swivel	
Hydraulic reservoir capacity	**175 l (46.2 US gal)**
Total hydraulic system capacity	**350 l (92.5 US gal)**

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When ordering parts, obtaining information or assistance, always supply your CASE CONSTRUCTION Dealer with the type and serial number of your machine or accessories. Write the following in the spaces below: the type, serial number and year of manufacture of your machine, accessories and the serial numbers of the various hydraulic and mechanical components.

Machine

(1) Designation/Model and Category:
(Hydraulic Excavator) **CX350C**

(2) Product identification number:

(3) Year of construction:

(4) Max. operating mass:
Indication that the weight shown on the manufacturer's plate is a value using the heaviest configuration and that it does not always correspond to the transport configuration.



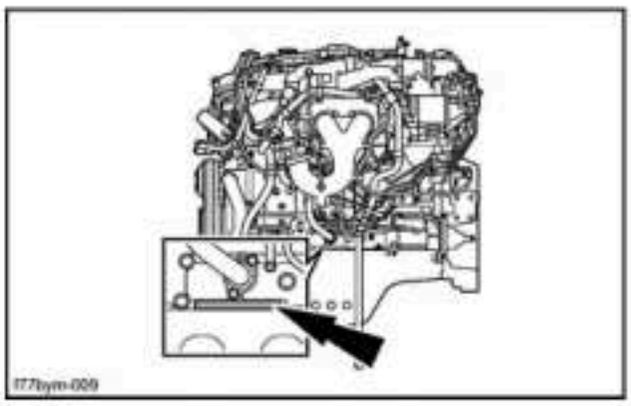
3

Engine

Make and type: **ISUZU AL - 6HK1X**

Serial number:

NOTICE: *The engine and fuel system on your machine is designed and built to government emissions standards. Tampering by dealers, customers, operators and users is STRICTLY PROHIBITED BY LAW. Failure to comply could result in government fines, rework charges, invalid warranty, legal action and possible confiscation of the machine until rework to original condition is completed. Engine service and/or repairs must be done by a certified technician only.*

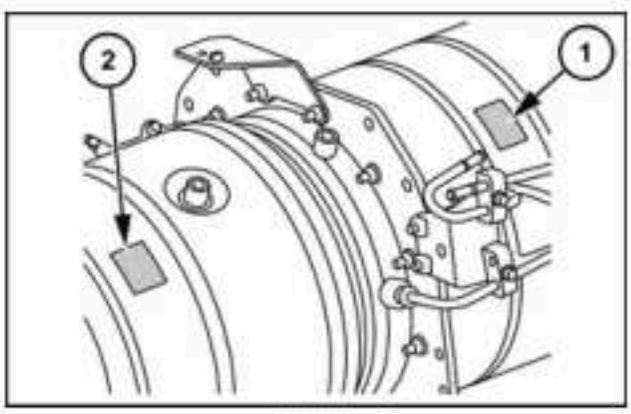


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Diesel Particulate Diffuser (DPD)

(1) Catalyzed soot filter serial number:
Filter which has the function to purify exhaust gas with an oxidation catalyst.

(2) Diesel oxidation catalyst serial number:
Oxidation catalyst for diesel machine.



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