CX210C
Crawler Excavator

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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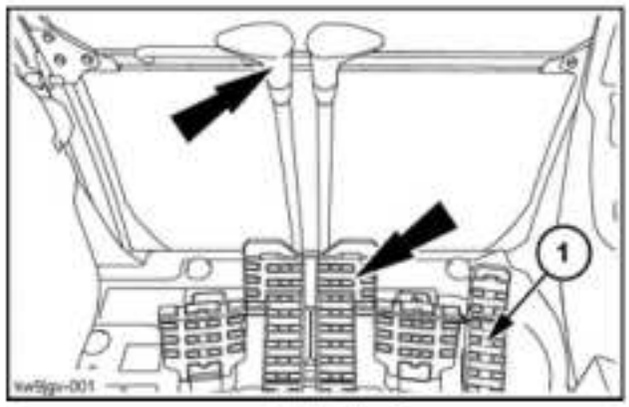
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Travel control levers and pedals

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****).*



Auxiliary pedal (except LR type) (if equipped)

⚠WARNING

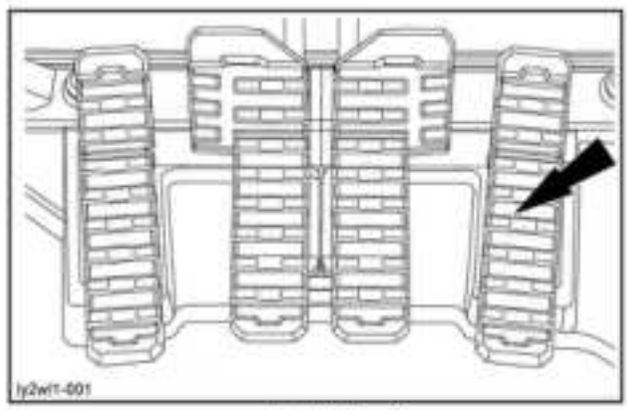
Unexpected machine movement!
ALWAYS lock the auxiliary pedals when not in use.
Failure to comply could result in death or serious injury.

W0222A

This pedal is used for optional accessories such as hydraulic breaker, if equipped, etc. (Refer to page **4-33**).

See chapter "Adjustment and locking auxiliary pedals".

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



Low flow hydraulic circuit control 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.

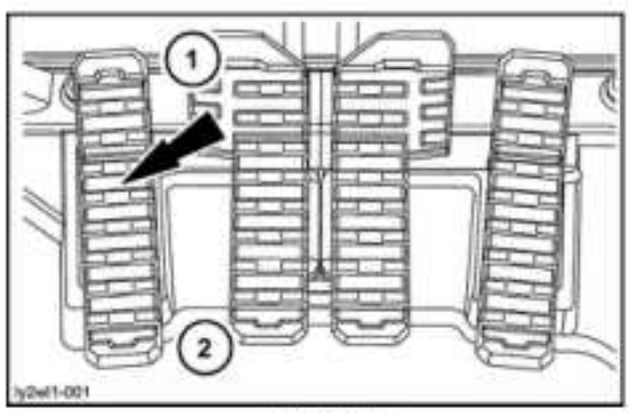
W0222A

This pedal is used to direct the clamshell.

(1) The clamshell turns to the right.
(2) The clamshell turns to the left.

See chapter "Adjustment and locking auxiliary pedals".

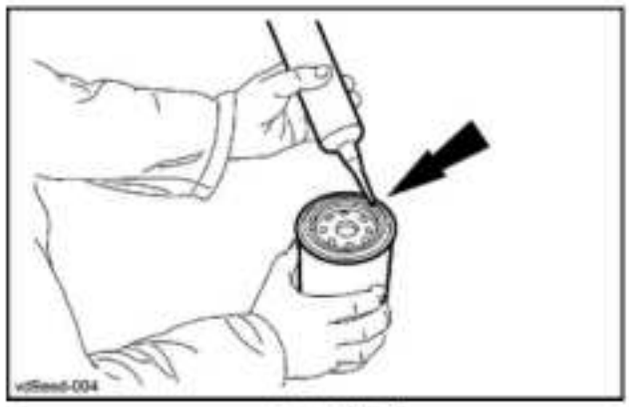
ATTENTION: *Consult your CASE CONSTRUCTION Dealer before mounting optional tools.*



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8. Coat the seal of the new filter with a fine film of oil.
9. Install the new filter. Turn the filter until the seal comes into contact with the filter head then tighten an extra half turn by hand.

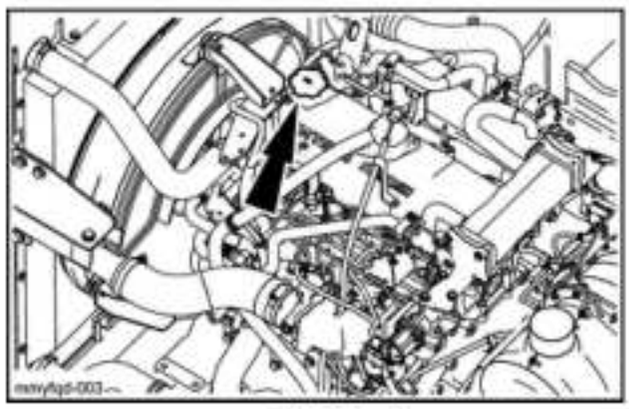
   ATTENTION: *Do not use a filter wrench to tighten the filter. Excessive tightening can damage the filter and their seals.*



7

10. Fill the engine with new engine oil. Install the filling plug and protective cover.
11. Run the engine for a few minutes and check that there are no leaks. Check the level again and top up if necessary.

    NOTICE: *Always wait fifteen minutes to allow the oil to return to the sump before checking the oil level.*



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8 - SPECIFICATIONS

General specification

Engine

High pressure common rail engine in conformity applicable to low fumes emission.

Make and type	ISUZU AM-4HK1X
Common rail, turbocharger with air cooled intercooler, **DPD** (Diesel Particulate Diffuser) system, fuel cooler	yes
Injection	electric control
Number of cylinders	4
Bore/stroke	**115 mm (4.5 in) x 125 mm (4.9 in)**
Displacement	**5193 cm³/rev (316.9 in³/rev)**
Maximum displacement	**621 N·m (458.03 lb ft)** at **1500 RPM**
Cooling	by water
Battery starting	2 x **12 V 92 A·h**
Voltage	**24 V**
Alternator	**50 A**
Starter	**24 V 5.0 kW**

Working conditions

Speed	**1800 RPM**
Power	**119.3 kW (162.2 Hp)**
Engine oil capacity (with remote oil filter)	**23.1 l (6.1 US gal)**
Fuel tank capacity (LC type and LR type)	**410 l (108.3 US gal)**
Fuel tank capacity (NLC type)	**320 l (84.5 US gal)**
Fuel filler pump	if equipped
Engine/pump assembly mounted on flexible mountings	
Filtration in dusty conditions	
Electronically controlled governor	

Hydraulic system

2 variable displacement axial piston pumps with regulating system. Main pump max flow (at **1800 RPM**)	2 x **211 l/min (61.8 US gpm)**
Fixed flow pump (pilot circuit).Max. flow:	**18 l/min (4.8 US gpm)**
Working pressure.Attachment/power boost	**343 - 368 bar (4973.5 - 5336.0 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 (LC type and LR type)	**147 l (38.8 US gal)**
Hydraulic reservoir capacity (NLC type)	**127 l (33.5 US gal)**
Total hydraulic system capacity (LC type and LR type)	**240 l (63.4 US gal)**
Total hydraulic system capacity (NLC type)	**220 l (58.1 US gal)**

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