

60/75/90/115/160

Operators Manual

9-8670

Reprinted

CASE

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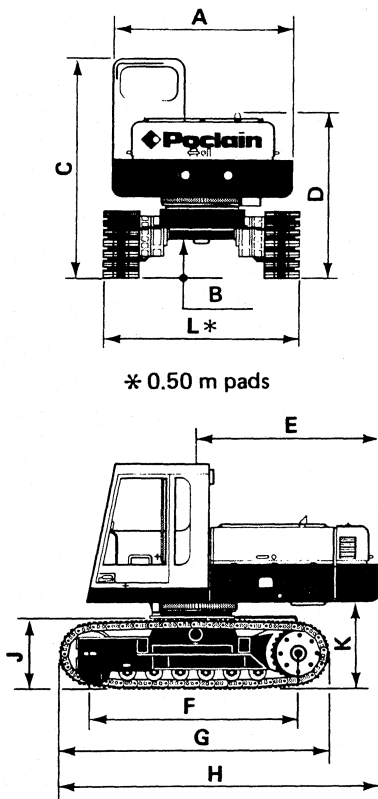
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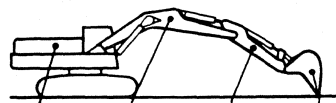
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Dimensions 7



	60 _{CL}	75 _{CL}	90 _{CL}	90 _{CK}	115 _{CL}	160 _{CK}
A m	2,42	2,49	2,49	2,49	2,73	2,79
B m	0,40	0,49	0,49	0,45	0,45	0,50
C m	2,96	2,96	3,06	3,17	3,20	3,25
D m	2,23	2,23	2,32	2,43	2,72	2,80
E m	2,01	2,26	2,60	2,60	2,89	3,16
F m	2,52	2,86	2,91	3,01	3,18	3,33
G m	3,31	3,65	3,82	3,92	4,10	4,31
H m	3,65	4,08	4,51	4,56	4,93	5,31
J m	0,85	0,84	0,93	1,03	1,03	1,12
K m	1,03	1,03	1,13	1,24	1,27	1,32
L m	2,49	2,75	2,75	2,75	2,91	3,11

▲ LOADER ATTACHMENT BACKHOE ATTACHMENT



60 CL	: 4,10 m	2,00 m	450 L
75 CL	: 4,40 m	2,10 m	620 L
90 CL	: 4,80 m	2,30 m	765 L
▲ 90 CK	: 3,00 m	2,20 m	950 L
▲ 115 CL	: 5,15 m	2,50 m	950 L
▲ 160 CK	: 5,70 m	2,75 m	1250 L
▲ 160 CK	: 3,00 m	3,20 m	1500 L

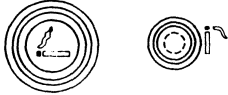
WEIGHT MACHINE + ATTACHMENT

0,50 m	11,1T	14,2T	17,5T	19 T▲	22,6T	29,4T▲
0,60 m	—	14,4T	17,8T	19,3T▲	22,9T	—
0,70 m	11,5T	14,7T	18,1T	19,6T▲	23,2T	29,2T
0,85 m	11,8T	15 T	18,4T	—	23,6T	—
1,10 m	—	14,8T	18,2T	—	—	—

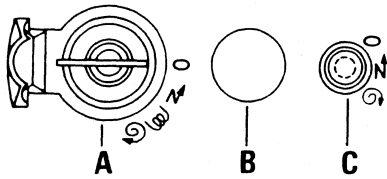
Cab control equipment 17

- 1 – Track drive pedals
- 2 – Clamshell swing pedal (*optional*)
- 3 – Jib cylinder or offset backhoe pedal (*optional*)
- 4 – Dipperstick and swing motion control lever
- 5 – Boom and bucket (or clamshell) control lever
- 6 – Upperstructure locking handle
- 7 – Accelerator lever
- 8 – Stop control
- 9 – Flow selector (*machine 60 only*)
- 10 – Flow selector (*75 - 90 - 115 - 160*)
- 11 – Emergency pump

Control panel 27



25. 26 CIGARETTE-LIGHTER – FUSE



27. 28. 29 STARTER – FUSE

- A : Ignition and startup switch
- B : Preheating warning light
(machines 115 - 160 only)
- C : Starter fuse

Positions of switch

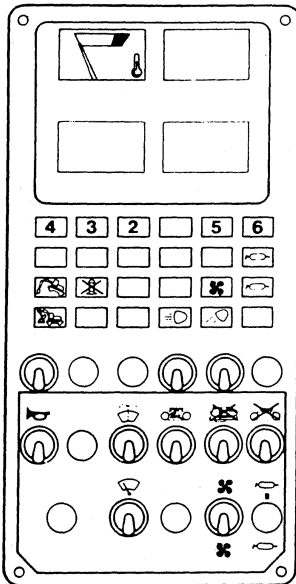
○ General shutdown

⚡ Ignition

⌘ Preheating *(machines 115 - 160 only)*

⌚ Startup

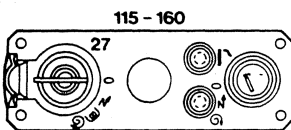
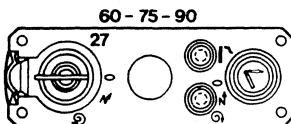
Starting and stopping engine 37



ENGINE RUNNING

During cold weather, warning light 5 on the control panel comes on. Actuate the bucket to heat the oil until the warning light goes out.

- As far as possible, work with the engine running at full speed
- Watch the control panel; if one of the warning lights 2, 3, 4, 5 or 6 comes on **shut down the engine IMMEDIATELY**. Find the cause of the failure and put it right in accordance with the troubleshooting table.

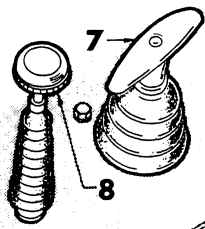


STOPPING THE ENGINE

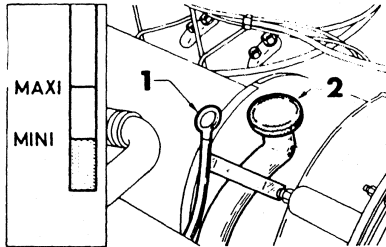
Do not stop the engine suddenly when it is running at full load, but allow it to run some time with no load so that the temperature can equalize.

Procedure :

- Lower the attachment on the ground
- Turn accelerator lever 7 to slow idling position
- Allow the engine to run 4 to 5 minutes
- Actuate stop lever 8 until the engine shuts down completely
- Warning lights 2 and 4 come on
- Turn ignition key 27 to position "0"
- The warning lights go out
- Push stop lever 8 then remove ignition key



Engine 47

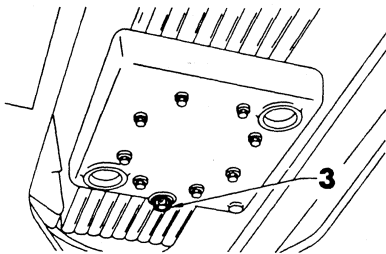


LEVEL CHECK

This check is to be carried out every day or every 10 working hours, with the engine shut down and the machine well horizontal.

Extract the oil gauge 1, wipe it with a dry rag, introduce it into the guide tube as far as it will go then take it out once again.

The level should reach the MAXI mark.
If not, top up through port 2.



DRAINING

Drain the oil every 100 hours

The oil is drained through bleed plug 3 under the engine crankcase. Drain the oil when the engine is still warm ; the oil flows more easily.

Fill up through port 2.

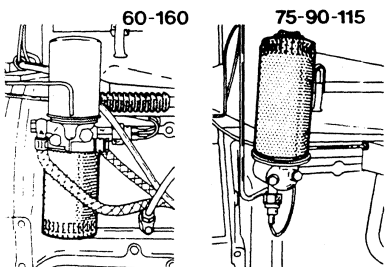
Total capacity (*with replacement of filter*).

60 : 9 L 75 : 12 L

90 - 115 - 160 : 17 L

The right level is that shown by the marks on the gauge.

OIL FILTER



REPLACEMENT

The oil filter must be replaced every 200 hours.

Using the appropriate tool (*strap-type wrench*) or a drift, loosen the filter and unscrew it by hand.

Before installing the new filter, moisten the rubber seal with oil.

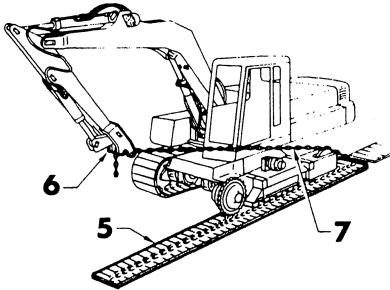
Screw the filter by hand until the seal bears well, then tighten by another half-turn.

Start up the engine and check that there are no leaks.

Engine 57

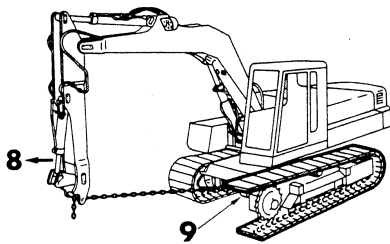
FAILURES	POSSIBLE CAUSES	REMEDY
Exhaust smokes heavily	Excessive engine oil level	Reduce level to maxi mark on dipstick
	Piston rings seized or broken	Refer to your Poclairn serviceman
Engine becomes too hot Warning light 6 on control panel comes on and pointer of indicator 1 is in red area STOP THE ENGINE IMMEDIATELY	Cooling fins dirty	Clean fins, especially those of head assembly
	Defective injector	Refer to your Poclairn serviceman
	Injection pump delivery offset	Refer to your Poclairn serviceman
	Air turbine inlet blocked	Clean
	Turbine belt broken	Replace belt
Oil pressure warning light 2 on control panel comes on STOP THE ENGINE IMMEDIATELY	Leak on circuit	Check filter and oil pump connections
	Excessive bearing clearance	Refer to your Poclairn serviceman
Charging warning light 4 on control panel comes on	Alternator does not charge	Check belt tension

Replacing tracks 67



INSTALLING THE TRACK

- Start driving the machine onto the new track 5, leaving 1,50 m clearance between the idler wheel and the forward end of the track.
- Clean and lubricate lightly the link bushings, pin and pin holes
- Swing the upperstructure around and move the (*hoe, clam or loader*) stick in until its end 6 is over the track centerline
- Attach the hauling chain to the end of the track
- Attach the other end of the chain to the stick end
- Start extending the stick until the track 7 engages the idler wheel
- Drive the machine and keep extending the stick 8 until the tight track 9 engages the sprocket wheel
- Install the steel bushings
- With the lever, raise the end of the track resting on the ground
- Install the pin
- Tension the track (*page 65*)



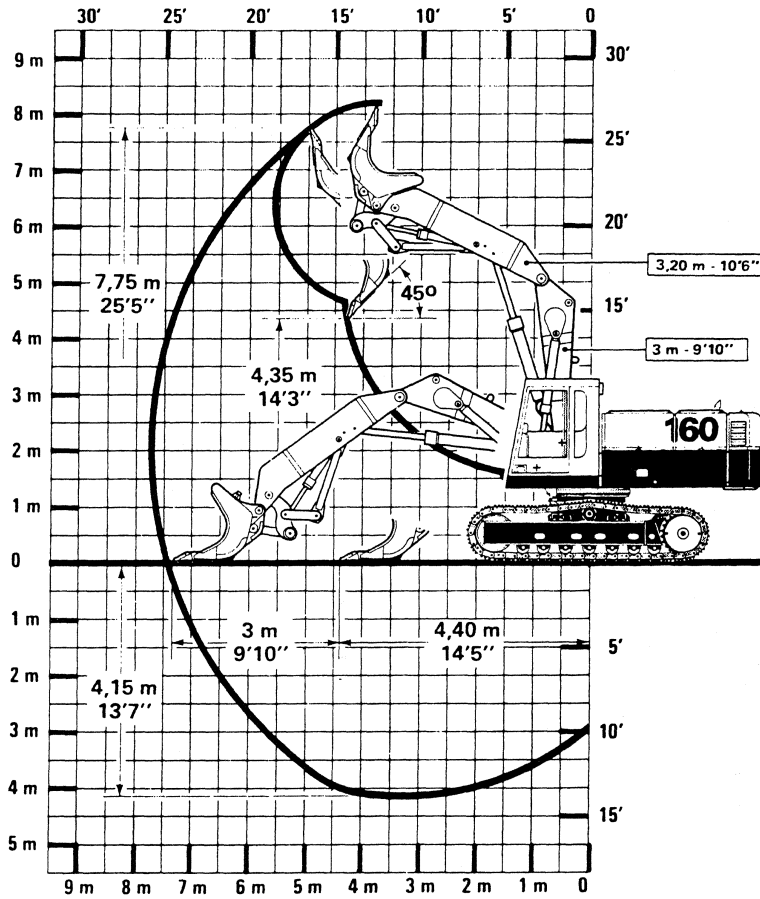
MASTER PIN PRESS

If a press is used for servicing the tracks, observe the following procedural recommendations :

- Enter the area selected for track removal with the idler wheels first
- Install the press between the idler wheel and carrier frame cross member : Press out the master pin and insert a drift into the end links
- Bring these around the sprocket wheel into low position before unrolling the track
- At installation, roll up the track around the sprocket wheel first and then over the idler wheel.

Working ranges 77

LOADER 160



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