PART NO. ENMDC1-NA3-3

HITACHI

Reliable solutions

Operator's Manual

ZAXIS

130-6N
160LC-6N·180LC-6N
210-6N·210LC-6N
250LC-6N
300LC-6N
350LC-6N·380LC-6N

Hydraulic Excavator

Serial No.	
ZX130-6N	140001 and up
ZX160LC-6N	240001 and up
ZX180LC-6N	540001 and up
ZX210-6N, 210LC-6N	340001 and up
ZX250LC-6N	440001 and up
ZX300LC-6N	840001 and up
ZX350LC-6N	940001 and up
ZX380LC-6N	640001 and up

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Pilot Control Shut-Off Lever

Pilot control shut-off lever (1) functions to prevent misoperation of the machine if control levers and pedals are accidentally moved when leaving the operator's seat or when entering the cab.

WARNING: Always pull pilot control shut-off lever (1) into the full LOCK position. Unless pilot control shut-off lever (1) is fully moved to the LOCK position, the control levers are not locked, possibly creating a hazardous situation. When leaving the machine, always stop the engine. Pull pilot control shut-off lever (1) up to the LOCK position. Always check to be sure that pilot control shut-off lever (1) is pulled up to the LOCK position before transporting the machine or leaving the machine at the end of a shift.

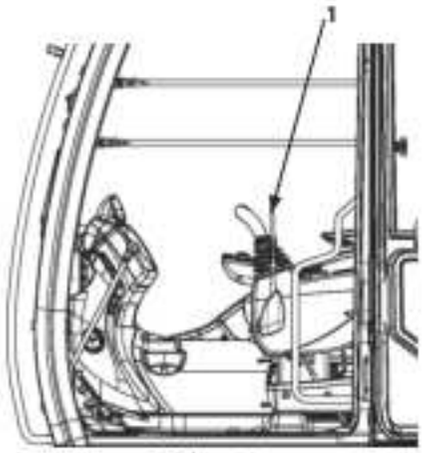
Before Leaving the Machine

1. Park the machine on a firm, level surface. Lower the bucket to the ground. Return all control levers to neutral. Properly shut down the engine.
2. Pull pilot control shut-off lever (1) up into the full LOCK position.

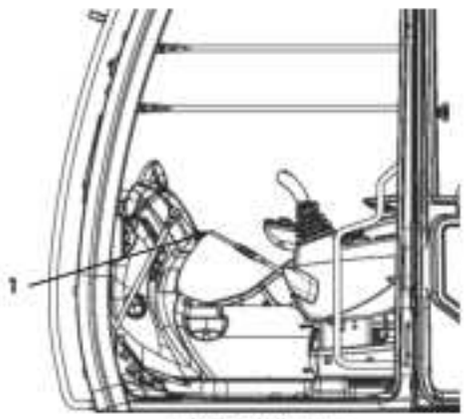
Before Starting Operation:

Confirm that pilot control shut-off lever (1) is pulled up to the LOCK position before starting the engine. The engine will not start if the pilot control shut-off lever (1) is in any otherposition than LOCK.
Slowly push down pilot control shut-off lever (1) to the UNLOCK position before starting operation.
Confirm that all control levers and pedals are in neutral and that no part of the machine is in motion.

WARNING: If any part of the machine (any actuator) moves when pilot control shut-off lever (1) is lowered to the UNLOCK position despite when all controls are in neutral, the machine is malfunctioning. Immediately pull pilot control shut-off lever (1) back to the LOCK position, and stop the engine. See your authorized dealer.



LOCK position MDAA-01-295



UNLOCK Position MDAA-01-296

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5 Replace Pilot Oil Filter
--- every 1000 hours


M104-07-021

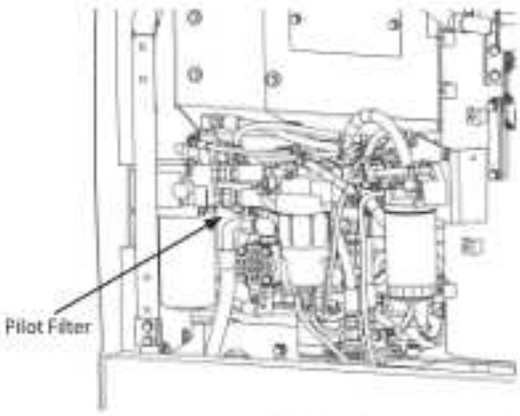
CAUTION: The hydraulic oil tank is pressurized. Push the pressure release button on the air breather before replacing pilot oil filter.

1. Park the machine on a firm, level surface.
2. Lower the bucket to the ground.
3. Turn the auto-idle switch off.

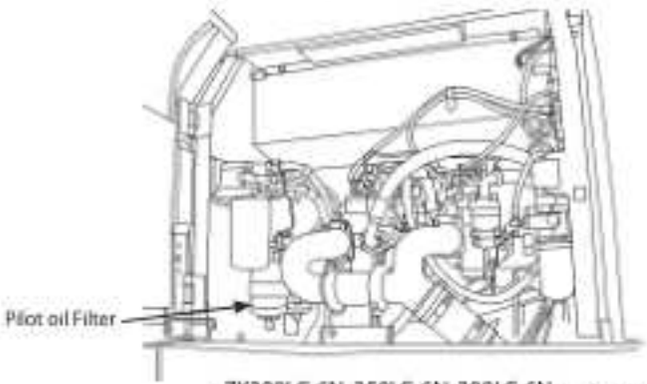
IMPORTANT: The turbocharger may be damaged if the engine is not properly shut down.

4. Run the engine at slow idle speed without load for 5 minutes.
5. Stop the engine. Remove the key from the key switch.
6. Pull the pilot control shut-off lever to the LOCK position.
7. Remove pilot oil filter (2) by turning it counterclockwise with the filter wrench.
8. Clean the filter O-ring contact area on filter head (1).
9. Apply a thin film of clean oil to the gasket of new filter (2).
10. Install new filter (2). Turn filter (2) clockwise by hand until the O-ring touches the contact area. Be sure not to damage the O-ring when installing filter (2).

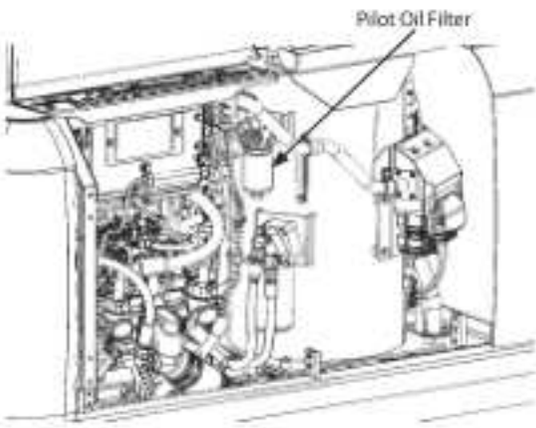
IMPORTANT: Do not re-use pilot oil filter (2).



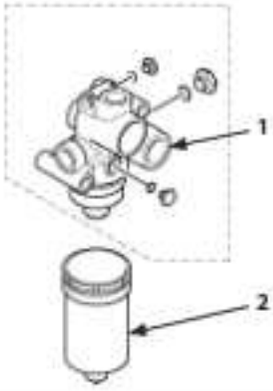
ZX130-6N MDC1-07-081



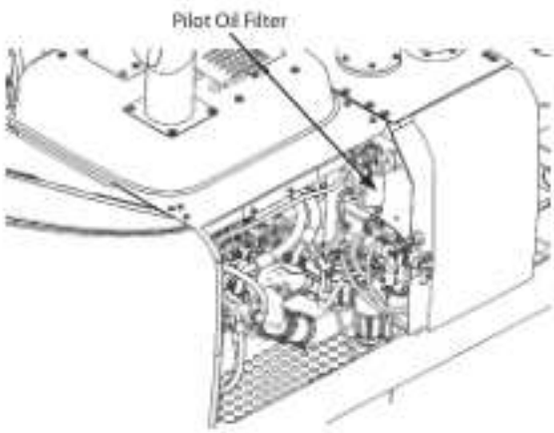
ZX300LC-6N, 350LC-6N, 380LC-6N M1U1-07-014



ZX160LC-6N, 180LC-6N MDC1-07-071



MDAA-07-106

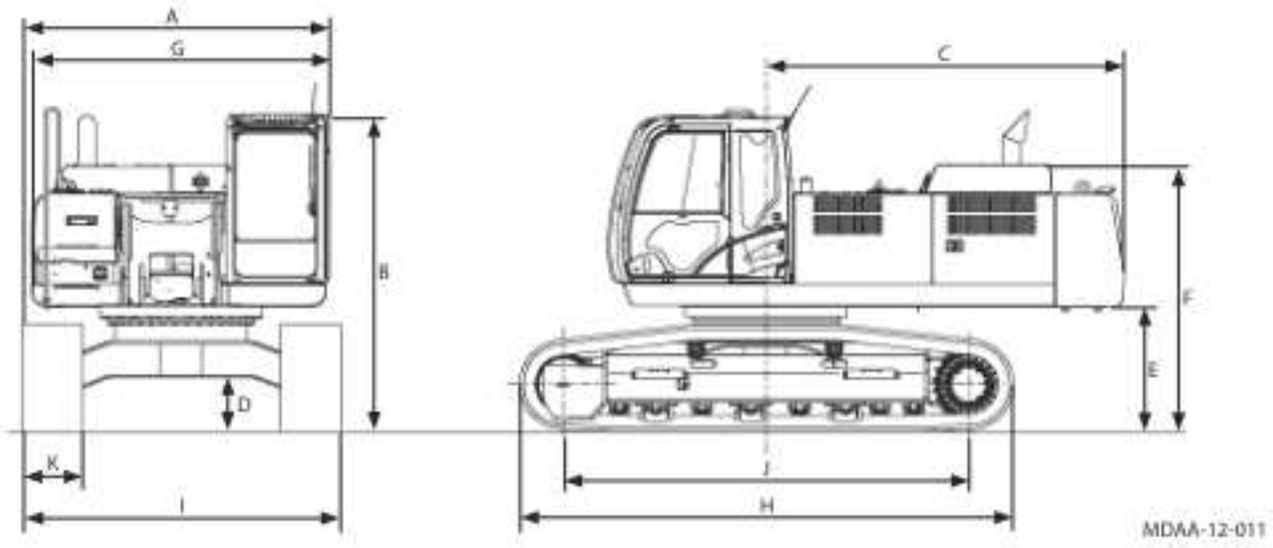


ZX210-6N, 210LC-6N, 250LC-6N MDAA-07-102

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Specifications

ZX380LC-6N



Model	ZX380LC-6N
Type of Front-End Attachment	3.20 m (10 ft 6 in) Arm
Bucket Capacity (Heaped)	PCSA 1.4 m^3 (1.83 yd^3), CECE 1.2 m^3 (1.57 yd^3)
Operating Weight	37400 kg (82500 lb)
Base Machine Weight	29000 kg (64000 lb)
Engine	Isuzu AQ-6HK1XASA-01 202 kW/1900 min^{-1} (275 PS/1900 rpm)
A : Overall Width (Excluding back mirrors)	3390 mm (11 ft 2 in)
B : Cab Height	3150 mm (10 ft 4 in)
C : Rear End Swing Radius	3600 mm (11 ft 10 in)
D : Minimum Ground Clearance	*500 mm (20 in)
E : Counterweight Clearance	*1160 mm (3 ft 10 in)
F : Engine Cover Height	*2830 mm (9 ft 3 in)
G : Overall Width of Upperstructure	2990 mm (9 ft 10 in)
H : Undercarriage Length	4950 mm (16 ft 3 in)
I : Undercarriage Width	3390 mm (11 ft 2 in)
J : Sprocket Center to Idler Center	4050 mm (13 ft 3 in)
K : Track Shoe Width	800 mm (31 in) (Grouser shoe)
Ground Pressure	53 kPa (0.54 kgf/cm^2, 7.7 psi)
Swing Speed	10.7 min^{-1} (rpm)
Travel Speed (fast/slow)	5.0/3.2 km/h (3.1/2.0 mph)
Gradeability	35 ° ($\tan\theta = 0.70$)

*NOTE: * The dimensions do not include the height of the shoe lug.*

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