ORIGINAL INSTRUCTIONS

OPERATOR'S MANUAL

E37C

Mini Excavator

Part number 90436684
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NEW HOLLAND CONSTRUCTION

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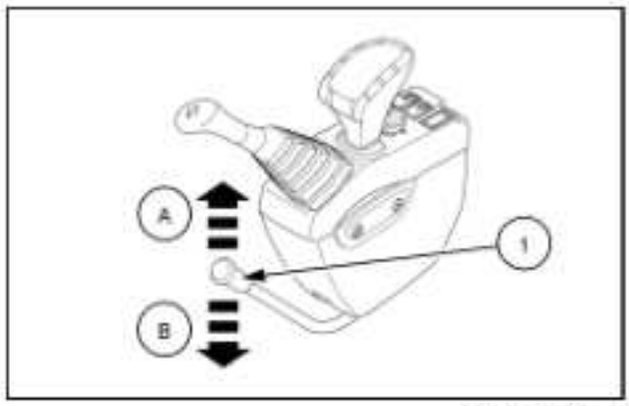
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Safety lock lever

⚠ WARNING

Unexpected machine movement!
When you must leave the operator's seat, always place the safety lever in the LOCKED position. If the safety lever is unlocked and the control lever is moved unexpectedly, a serious accident could result.
Failure to comply could result in death or serious injury.

W1261A



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The safety lever operates on two positions:

A. Locked position: when the safety lever **(1)** is in locked position **(A)**, all the functions are disabled.

NOTICE: *never use the safety lock lever as a handhold when get in or out the machine.*

B. Unlocked position: when the safety lever **(1)** is in unlocked position **(B)**, the machine is operative.

Engine speed control

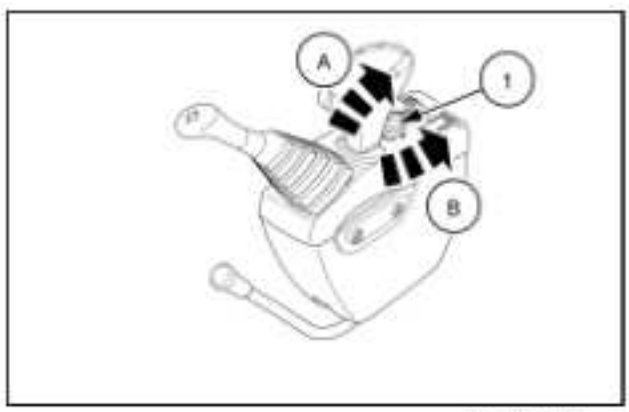
The knob **(1)** is used to increase or decrease the rotation speed of engine (RPM).

See the relevant decal locate on the left hand console.

Rotate the knob clockwise **(A)** to increase engine RPM.

Rotate the knob counterclockwise **(B)** to decrease engine RPM.

NOTE: *when stop the engine, rotate the engine speed control in low idle position and turn the starter key OFF.*



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Boom swing cylinder

Grease the boom swing cylinder every **10 h** within the first **50 h**, then grease every **250 h**.

To grease the boom swing cylinder refer to page **Boom swing cylinder**.

Grease points (Bucket)

Lubricate the bucket linkage (arm-bucket connection and arm-bucket link connection) and the bucket cylinder pin (rod side) every **10 h** within the first **50 h**, then lubricate every **50 h**.

Lubricate the bucket cylinder pin (head side) every **10 h** within the first **100 h**, then lubricate every **250 h**.

To lubricate the bucket linkage and the bucket cylinder pin (rod side) refer to page **6-28**.

To lubricate the bucket cylinder pin (head side) refer to page **6-42**.

Grease points (Boom and arm)

Grease the boom, the arm, and the boom swing post every **10 h** within the first **100 h**, then grease every **250 h**.

To grease the boom, the arm, and the boom swing post refer to page **6-42**.

Grease points (Blade)

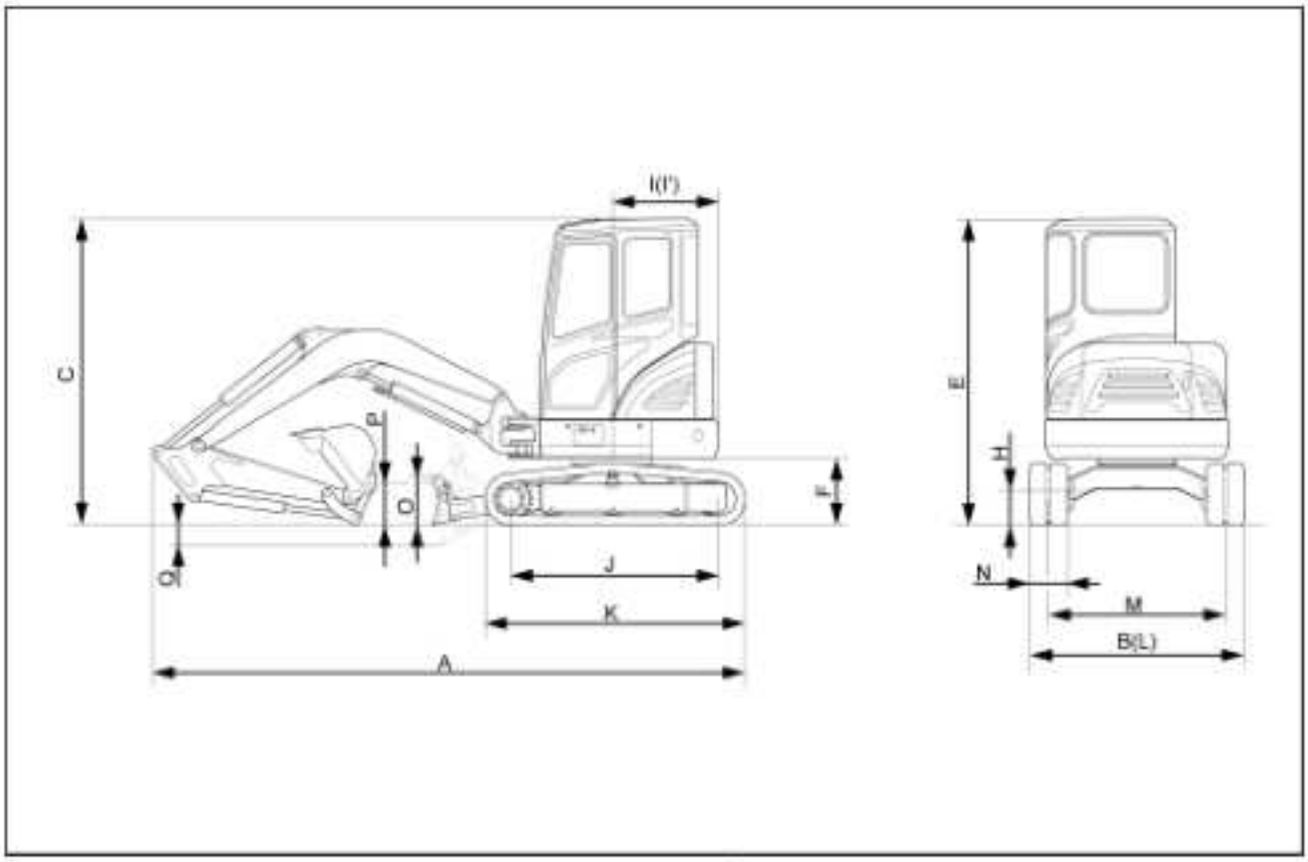
Grease the blade every **10 h** within the first **50 h**, then grease every **50 h**.

To grease the blade refer to page **6-29**.

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Dimensions

Cab version



SML18ME0014IFA 1

(A) Overall length	**4790 mm (188.6 in)**
(B) Overall width, with **300 mm (11.8 in)** shoe	**1740 mm (68.5 in)**
(C) Overall height	**2500 mm (98.4 in)**
(E) Overall height of cab	**2500 mm (98.4 in)**
(F) Ground clearance of counterweight	**540 mm (21.3 in)**
(H) Minimum ground clearance	**290 mm (11.4 in)**
(I) Rear-end distance	**870 mm (34.3 in)**
(I') Rear-end swing radius	**870 mm (34.3 in)**
(J) Distance between tumblers	**1700 mm (66.9 in)**
(K) Undercarriage length	**2130 mm (83.9 in)**
(L) Undercarriage width	**1740 mm (68.5 in)**
(M) Track gauge	**1440 mm (56.7 in)**
(N) Track shoe width, standard	**300 mm (11.8 in)**
(O) Height of blade	**370 mm (14.6 in) / (*) 405 mm (15.9 in)**
(P) Ground clearance of blade up	**375 mm (14.8 in) / (*) 430 mm (16.9 in)**
(Q) Depth of blade down	**390 mm (15.4 in) / (*) 440 mm (17.3 in)**

Boom length: **2.5 m (98.425 in)**
Arm length: **1.3 m (51.181 in)**
With boom swing post

***NOTE: (*)**: angle blade version (**25°** left-hand and right-hand angle)*

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(3B) Engine access door support caution - High pressure hoses and radiator

⚠WARNING

Burn hazard!
Before performing any service on the hydraulic system, you must allow it to cool. Hydraulic fluid temperature should not exceed 40 °C (104 °F).
Failure to comply could result in death or serious injury.

W0241A

⚠WARNING

Pressurized system!
Never attempt to drain fluids or remove filters when the engine is running. Turn off the engine and relieve all pressure from pressurized systems before servicing the machine.
Failure to comply could result in death or serious injury.

W0585A

⚠WARNING

Escaping fluid!
Hydraulic fluid or diesel fuel leaking under pressure can penetrate the skin and cause infection or other injury. To prevent personal injury: Relieve all pressure before disconnecting fluid lines or performing work on the hydraulic system. Before applying pressure, make sure all connections are tight and all components are in good condition. Never use your hand to check for suspected leaks under pressure. Use a piece of cardboard or wood for this purpose. If injured by leaking fluid, see your doctor immediately.
Failure to comply could result in death or serious injury.

W0178A



Location: this sign is located on the engine access door support.

Quantity: 1

Part number: 91M8-07111

This sign warns you not to loosen the high pressure hoses, not to touch the radiator, and not to remove the radiator cap before the temperature of the cooling system drops.
Start working after the cooling system is sufficiently cooled down.

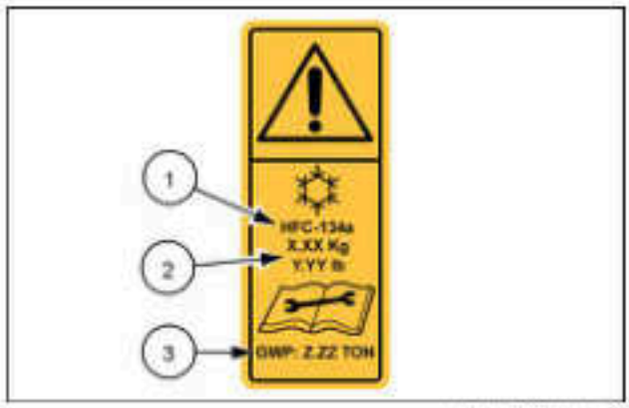
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(28) Air conditioning refrigerant

⚠ WARNING

Explosion hazard!
Air-conditioning refrigerant boils at -26 °C (-15 °F)!
-NEVER expose any part of the air-conditioning system to a direct flame or excessive heat.
-NEVER disconnect or disassemble any part of the air-conditioning system.
Discharging refrigerant gas into the atmosphere is illegal in many countries.
Failure to comply could result in death or serious injury.

W1348B



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Cab location: this sign is located in the engine compartment, adjacent to the service point for changing the gas.

Quantity: 1

Part number: 91K7-07310

This sign indicates that the vehicle uses a fluorinated greenhouse gas and shows:

(1) The designation for such gas.

(2) The quantity of the gas included on the air conditioning system.

(3) The Global Warming Potential (GWP) of the gas.

- **1 kg** (**2.2 lb**) of R134a is equal to **1.43 t** of GWP.

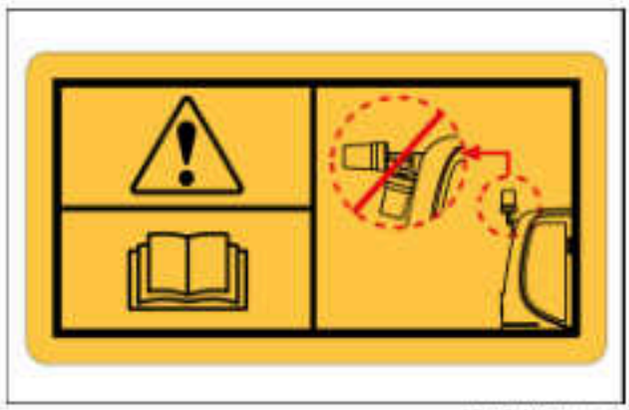
(29) Beacon light

Location: this sign is located on the rear outside of the cab/canopy.

Quantity: 1

Part number: 91MK-02221

This sign indicates to make sure that the beacon light maintains a vertical position.
A horizontal position can result in a decrease in life time of the lamp due to the infiltration of foreign substances such as dust or water.
During the machine transfer, change the position of the lamp to the horizontal position.



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