CEAM028502

# Operation & Maintenance Manual

# PC290LC-11

## HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC290LC-11 A27001 and up

ENGINE 6D107E-3

March 2016.

KOMATSU®

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## TRAVEL LEVER

**⚠ WARNING**

- **If you perform operations with your foot on the pedal, the machine may suddenly start if you depress the pedal by mistake, and this may lead to serious personal injury or death. Be extremely careful when using the pedal for travel and steering operations, and do not put your foot on the pedal when it is not necessary.**
- **When the track frame is facing the rear, the direction of operation of the steering lever is the opposite to the direction of movement of the machine (forward/reverse, right/left turn).**
  **When operating the travel lever, always check if the track frame is facing the front or the rear. (If the sprocket is at the rear, the track frame is facing the front.)**

The travel lever is used to change the direction of travel between forward and reverse. ( ) shows the pedal operation.

**(a) FORWARD**

The lever is pushed forward

(Depress the front side of pedal.)

**(b) REVERSE**

The lever is pulled back

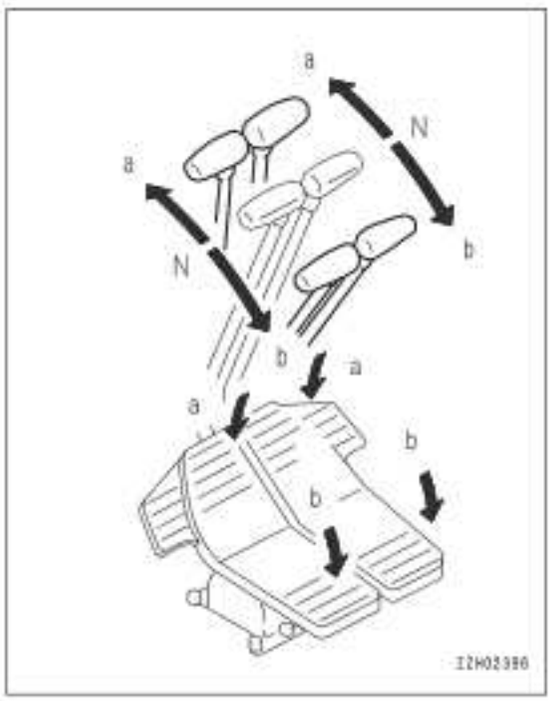
(Depress the rear side of pedal.)

**N (NEUTRAL)**

The machine stops.

**REMARK**

If the lever is shifted to FORWARD or REVERSE position from NEUTRAL position, the alarm sounds to warn that the machine is starting to move.






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When the ambient temperature drops, the capacity of the battery will also drop. Maintain the battery charging rate as close as possible to 100%. Insulate it against cold temperature to ensure that the machine can be started easily in the next morning.

**REMARK**

Measure the gravity of the electrolyte and calculate the charging rate from the following conversion table.

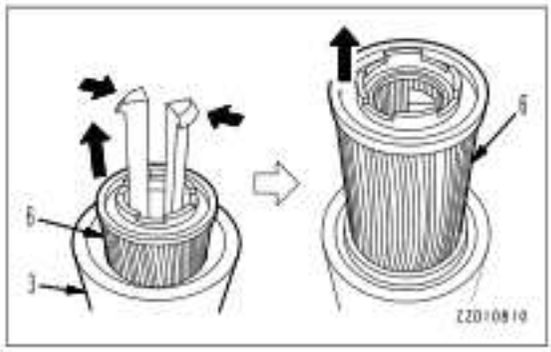
| Electrolyte Temperature<br>Charging Rate (%) | 20 °C {68 °F} | 0 °C {32 °F} | –10 °C {14 °F} | –20 °C {-4 °F} |
|---|---|---|---|---|
| 100 | 1.28 | 1.29 | 1.30 | 1.31 |
| 90 | 1.26 | 1.27 | 1.28 | 1.29 |
| 80 | 1.24 | 1.25 | 1.26 | 1.27 |
| 75 | 1.23 | 1.24 | 1.25 | 1.26 |

- When the ambient temperature is low, the capacity of the battery considerably drops. Cover it, or remove it from the machine to place it in the warm place. Restore it again before the operation.
- If the electrolyte level is low, add distilled water in the morning before beginning the work. Do not add water after the day's work to prevent diluted electrolyte in the battery from freezing during the night.

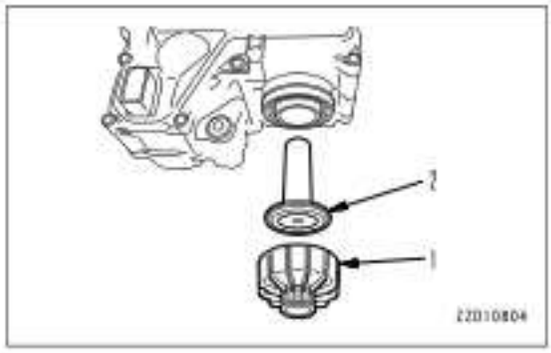


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8. Pull filter (6) up while pushing in the tip of filter removal tool (3), and remove it.
9. Return the removed spacer (5) to filter removal tool (3), and keep them.
10. Insert a new filter and a new equalizing element into the bottom of AdBlue/DEF pump, and lightly tighten them with hand.




11. Tighten filter cap (1).
    Tightening torque: 20 to 25 Nm {2.0 to 2.5 kgm, 14.5 to 18.1 lbft}






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