CEAM028402

Operation & Maintenance Manual

PC240LC-11

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC240LC-11 A22001 and up

ENGINE 6D107E-3

March 2016

KOMATSU®

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REMARK

The lock lever is of hydraulic lock type. Accordingly, when it is in LOCK position (L), the control levers or control pedals move but the machine does not move.

Automatic lock function of lock lever

⚠ WARNING

- **The lock lever automatic lock function assists the operator in judgment to reduce damage caused by accident. It does not stop the work equipment or machine in all situations.**
- **Even if the lock lever automatic lock function works, the work equipment or machine may not stop immediately or may stop after moving by a certain distance. Also, the lock lever automatic lock function may not work in the following cases. Accordingly, do not rely on it too much.**
  - **When the hydraulic oil temperature is low (When the hydraulic oil temperature caution lamp indicates low temperature)**
  - **When the viscosity of the hydraulic oil used is higher than that of the genuine hydraulic oils which Komatsu recommends**
- **Before setting the lock lever to FREE position, make sure that all control levers and pedals are set to NEUTRAL position. If any of them is out of NEUTRAL position, the work equipment or machine may move suddenly and cause a serious personal injury or death.**

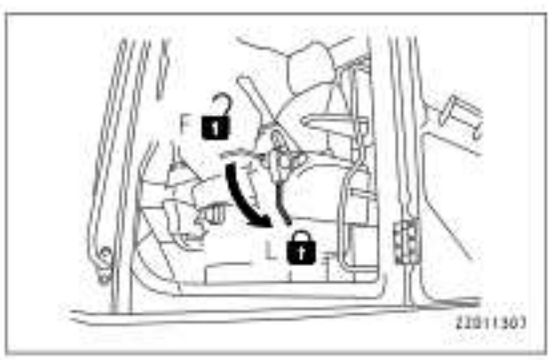
The lock lever automatic lock function prevents the work equipment or machine from operating unintendedly when the lock lever is released while the work equipment control lever or travel lever is operated. The lock lever is set in the same state as when locked automatically.

When this function works, the operations of the work equipment, swing, travel, and attachment are locked automatically and the message shown in the figure is displayed.



While this function is in operation, the machine does not move even if a control lever or the attachment control switch is operated while the lock lever is in FREE position (F).

To cancel the lock, return the lock lever to LOCK position (L), check that each control lever and the attachment switch are in neutral, and then release the lock lever again.

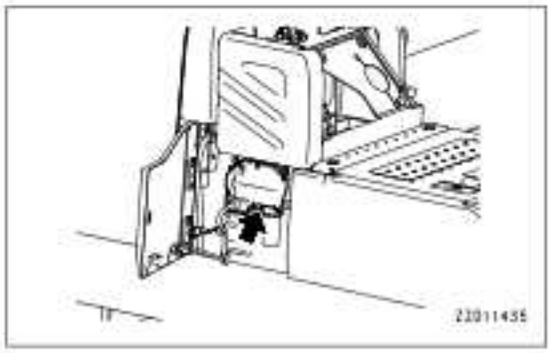


For the genuine hydraulic oils which Komatsu recommends, see "RECOMMENDED FUEL, COOLANT, AND LUBRICANT (7-5)".

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AdBlue/DEF FILTER

AdBlue/DEF filter is an filter element to clean AdBlue/DEF sucked from the AdBlue/DEF tank by AdBlue/DEF pump, and to supply it to AdBlue/DEF injector.



NOTICE

- **The AdBlue/DEF filter element needs to be replaced every 2000 hours. For details of the replacement procedure, see "METHOD FOR REPLACING AdBlue/DEF FILTER (4-80)".**
- **If the machine is operated without AdBlue/DEF filter attached, or with the filter other than Komatsu genuine parts, foreign materials may enter into AdBlue/DEF pump and AdBlue/DEF injector which will cause failure of the machine. Never operate the machine without AdBlue/DEF filter attached, nor use the filter other than Komatsu genuine parts.**
- **AdBlue/DEF filter cannot be flushed. Flushing or regenerating of it will degrade the performance of AdBlue/DEF filter, and will contaminate AdBlue/DEF pump and AdBlue/DEF injector which will cause the failure of the machine. Never reuse the AdBlue/DEF filter.**

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SPECIFICATIONS

Hydraulic specifications

- Max. flow at merge: 214×2 ℓ/min
- Safety valve relief set pressure of service valve: 29.9 MPa{305 kg/cm^2,4340 PSI} (other than B mode)
- Cracking pressure of safety valve of service valve: 24.5 MPa{250 kg/cm^2,3560 PSI} (Other than B mode)
- Safety valve relief set pressure of service valve: 24.5 MPa{250 kg/cm^2,3560 PSI} (B mode)
- Cracking pressure of safety valve of service valve: 20.1 MPa{205 kg/cm^2,2920 PSI} (B mode)

In addition, safety valve relief set pressure: 20.6 MPa{210 kg/cm^2,2990 PSI} and cracking pressure of safety valve: 15.2 MPa{155 kg/cm^2,2200 PSI} are available. In such cases, consult your Komatsu distributor.

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