WEAM007000

Operation & Maintenance Manual

GALEO PC20MR-2

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PC20MR-2 15001 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

KOMATSU Utility

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7. Pedal Lock
(For boom swing contol pedal)

⚠ WARNING

- **When boom swing operation is not required, lock the boom with the pedal lock. If the operation pedal is accidentally pressed while it is not lock, a serious accident or injury.**

This pedal (7) is used to lock the boom swing pedal.

The pedal is locked by fitting the plate over the pedal.

(F): Free

(L): Lock



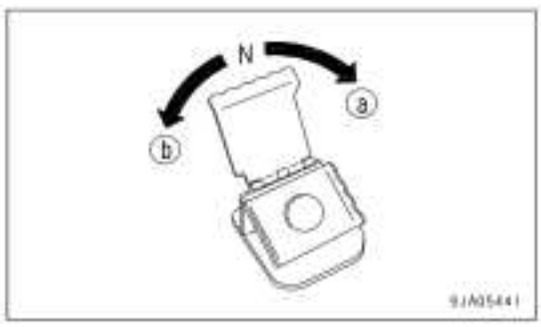
8. Boom Swing Control Pedal

This pedal (8) swings the boom to the left and right.

(a): Right swing

(b): Left swing

N (Neutral): Boom is stopped and held in this position.



9. Floor Lock Cancel Lever

⚠ WARNING

- **Always observe the warning and caution items when opening or closing the floor. If the operation is carried out mistakenly, it may lead to serious personal injury.**
  Do not open or close the floor on slopes.
  Do not open or close the floor when there is a strong wind.

When opening or closing the floor, pull this lever (9) to FREE (F) position to release the lock.

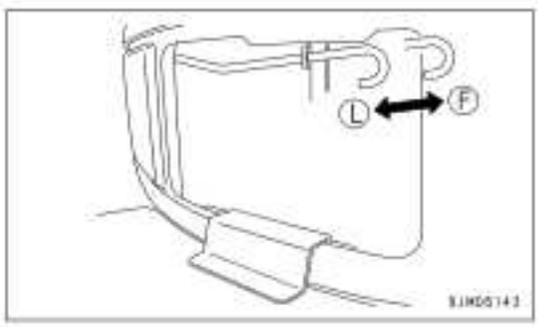
Open or close the floor while pulling this lever (9).

After opening or closing the floor, release lever (9). It will return automatically to LOCK position (L).

(F): Free

(L): Lock

When opening (tilting) the cab or floor, see "3.2.12 METHOD OF OPENING (TILTING) FLOOR" for details.



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4.9.4 EVERY 1000 HOURS MAINTENANCE

Carry out the maintenance for EVERY 500 HOURS SERVICE at the same time.

4.9.4.a CHANGING THE HYDRAULIC OIL FILTER ELEMENT

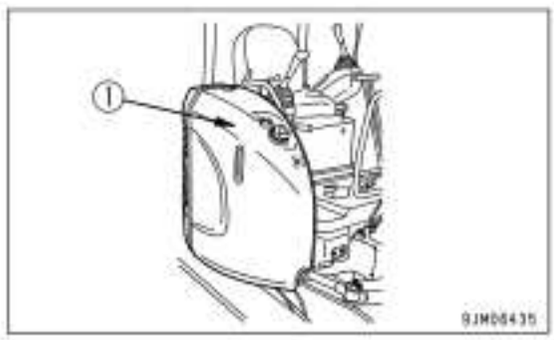
⚠ WARNING

- **The parts and oil are at high temperature after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**
- **Oils, filters, coolants and batteries are considered special waste and must be collected and disposed of according to the regulations in force.**

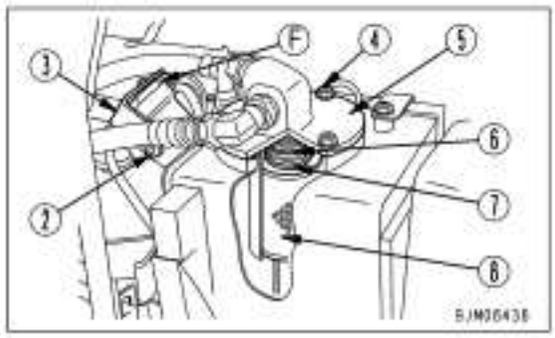
IMPORTANT

- **If the machine is equipped with a hydraulic breaker, the hydraulic oil will deteriorate much faster than during normal bucket operations. For details, see "4.8.2 MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER" when carrying out maintenance.**
- **On machines containing synthetic biodegradable oil type HEES , this must be changed for the first time after the first 50 hours of operation and successively every 1000 hours of operation.**

1. Remove the tank cover (1). (For further details, see paragraph "3.2.11 TANK COVER").



2. Loosen bolts (2), then remove plate (3) to the front.
3. Remove the cap from oil filler (F), and release the internal pressure.
4. Remove bolts (4), then remove cover (5). When this is done, the cover may fly off under the force of spring (6), so keep the cover pushed down when removing the bolts.
5. After removing spring (6) and valve (7), take out element (8).
6. Clean the removed parts in diesel oil.
7. Install the new element where old element (8) was installed.
   Inspect the O-ring set between the hydraulic tank and cover (5). If there are any scratches, replace the O-ring.
8. Set valve (7) and spring (6) on top of the element.
9. Set cover (5) in position, hold it down by hand, and tighten cover mounting bolts (4) to install cover (5).



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LONG ARM + STANDARD WEIGHT + BLADE UP

Unit: kg

A / B	2 m		3 m		Max.	
						
3.0 m	-	-	*400	375	415	325
2.0 m	-	-	*440	375	315	245
1.0 m	880	670	460	355	290	225
0 m	835	625	440	340	305	235
– 1.0 m	835	630	440	340	390	300

LONG ARM + ADDED WEIGHT + BLADE DOWN

Unit: kg

A / B	2 m		3 m		Max.	
						
3.0 m	-	-	*400	*400	*450	400
2.0 m	-	-	*440	*440	*470	310
1.0 m	*1115	820	*625	445	*505	285
0 m	*1540	775	*780	425	*550	300
– 1.0 m	*1405	780	*725	425	*605	380

LONG ARM + ADDED WEIGHT + BLADE UP

Unit: kg

A / B	2 m		3 m		Max.	
						
3.0 m	-	-	*400	*400	*450	400
2.0 m	-	-	*440	*440	385	310
1.0 m	1055	820	555	445	360	285
0 m	1010	775	540	425	380	300
– 1.0 m	1010	780	535	425	480	380

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