TEN00135-08

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC800 -8 PC800LC -8
PC800SE -8
PC850 -8 PC850SE -8

SERIAL NUMBERS PC800-50001 and up
PC850-10001

ecot3

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®

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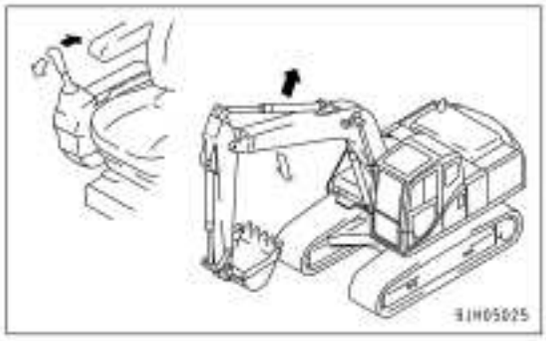
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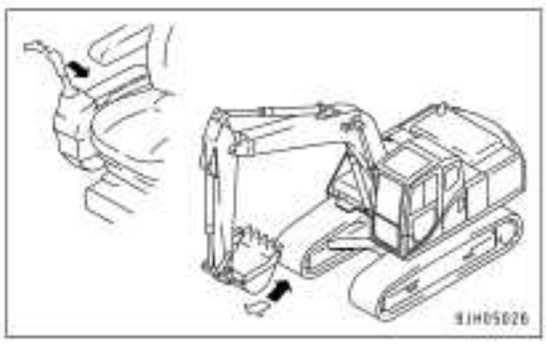
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- Boom control
  Move the right work equipment control lever to the front or rear to operate the boom.



- Bucket control
  Move the right work equipment control lever to the left or right to operate the bucket.

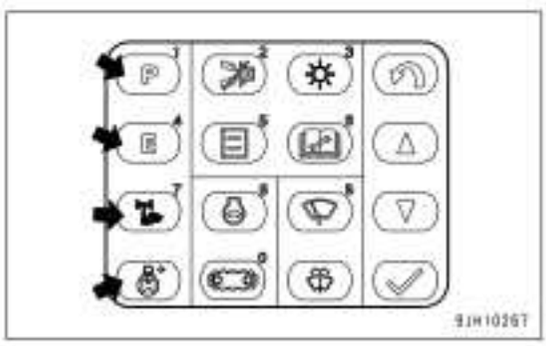


WORKING MODE

Working Mode

The mode selector switch can be used to switch the mode to match operating conditions and purpose, thereby enabling work to be performed efficiently.
Make effective use of each mode as follows.
When the starting switch is turned to the ON position, the working mode is set to P mode (digging).
Use the working mode switch to set the mode to the most efficient mode to match the type of work.

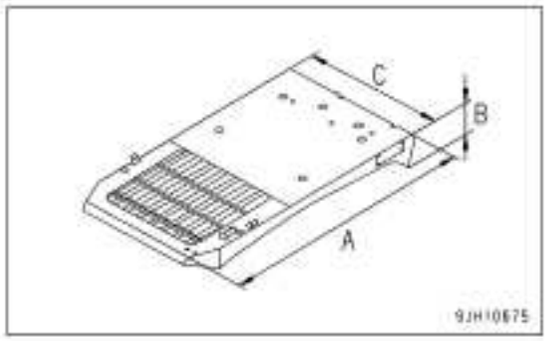
Working mode	Applicable operations
P mode	Normal digging, loading operations (Operations with emphasis on productivity)
E mode	Normal digging, loading operations (operation with emphasis on fuel economy)
Heavy-duty lift mode	Normal digging, loading operations (boom lifting power increased when raising boom independently)
Swing priority mode	Normal digging, loading operations (priority given to swing when operating boom and swing simultaneously)



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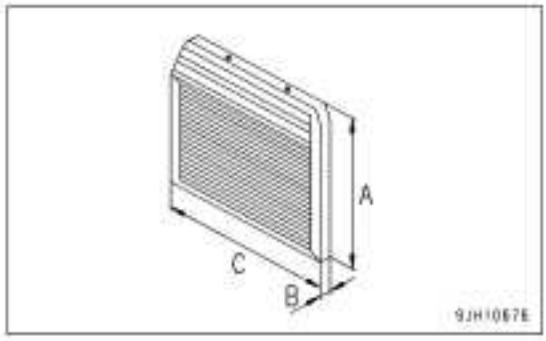
• OPG(PC850-8, PC850SE-8 only)

Item	Unit	PC850-8,PC850SE-8
A	mm (ft in)	1,820 (5'12")
B	mm (ft in)	250 (0'10")
C	mm (ft in)	980 (3'3")
Weight	kg (lb)	55 (121)



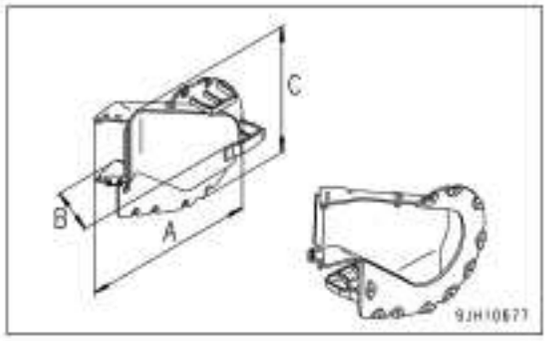
• Radiator duct (same for all models)

Item	Unit	PC800,PC800SE,PC800LC-8 PC850,PC850SE-8
A	mm (ft in)	1,790 (5'10")
B	mm (ft in)	70 (0'3")
C	mm (ft in)	1,790 (5'10")
Weight	kg (lb)	81 (179)



• Travel motor cover (same for all models)

Item	Unit	PC800,PC800SE,PC800LC-8 PC850,PC850SE-8
Q'ty	-	2
A	mm (ft in)	1,175 (3'10")
B	mm (ft in)	315 (1'0")
C	mm (ft in)	995 (3'3")
Weight	kg (lb)	120x2 (265x2)



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EVERY 2000 HOURS MAINTENANCE

Maintenance for every 10, 100, 250, 500, and 1000 hours of service should be performed at the same time.

CHANGE OIL IN FINAL DRIVE CASE

⚠ WARNING

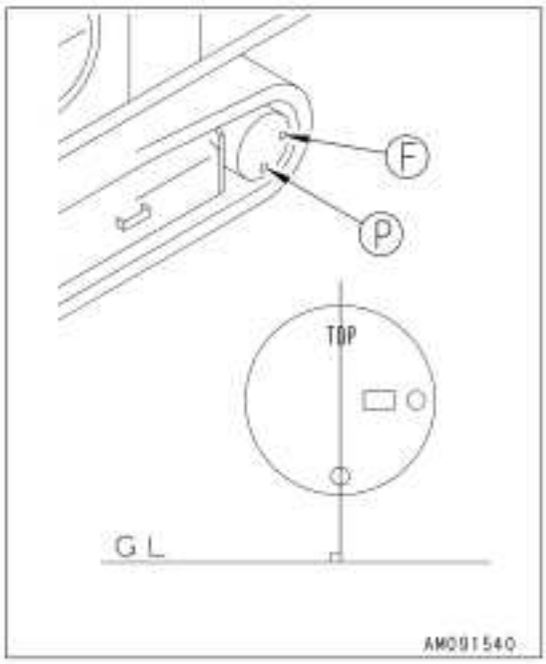
- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause serious burns. Wait for the temperature to go down before starting the operation.**
- **If there is still pressure remaining inside the case, the oil or plug may fly out. Loosen the plug slowly to release the pressure.**

- Refill capacity: Each 20 liters (5.28 US gal)
- Prepare a handle.

1. Set the TOP mark at the top, with the TOP mark and plug (P) perpendicular to the ground surface.
2. Remove plugs (P) and (F) with the handle and drain the oil.

REMARK
Check the O-rings in the plugs for damage. If necessary, replace with new ones.

3. Tighten plug (P).
4. Add oil through the hole of plug (F).
5. When the oil overflows from the hole of plug (F), install plug (F).
   Tightening torque of plugs (P) and (F) :
   93.1 - 122.5 Nm (9.5 - 12.5 kgm, 68.7 - 90.4 lbft)



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