CEAM207040

OPERATION & MAINTENANCE MANUAL

KOMATSU®

PC300LC-5

WITH KDC 614TA ENGINE

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC300LC-5 A30001 and up

SEPT 94

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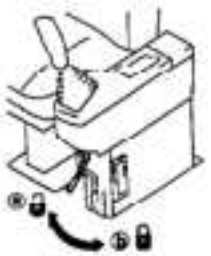
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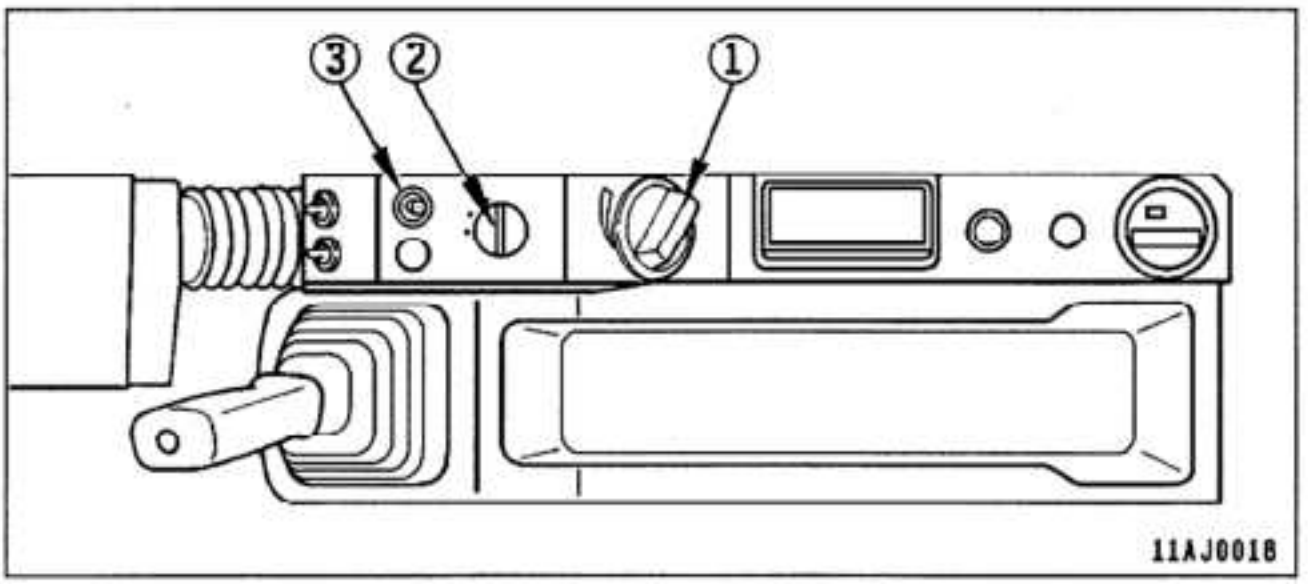
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12.2 STARTING ENGINE

⚠ WARNING

- **Place the hydraulic lever lock in the lock position.**
- **Before starting the engine be sure you understand the functions of all the control levers, pedals, switches and panel gauges.**
- **Before starting engine, clear the immediate area of personnel and obstructions.**
- **Never start the engine in a building unless the doors and windows are open and ventilation is adequate.**

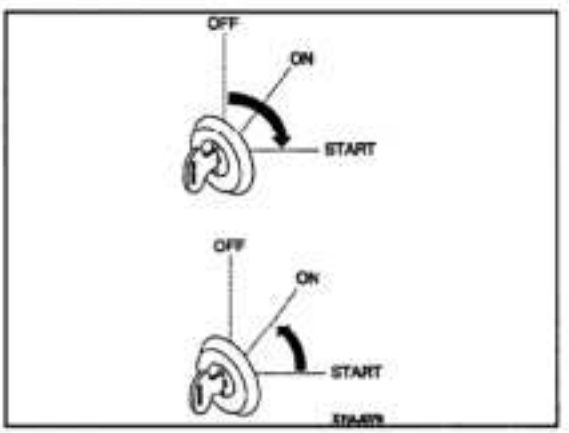




1. Fuel Control Dial 2. Starting Switch 3. Ether Injector Switch

12.2.1 NORMAL STARTING

1. Set the fuel control dial (1) at the low idling (MIN) position.
2. Turn the key of starting switch (2) to the START position.
3. When the engine starts, return the key of starting switch to the ON position. (The key will return automatically when released.)



NOTICE: To avoid possible damage to the cranking motor, release the key the instant the engine starts. Never turn the key while the engine is running.

NOTICE: Do not continuously crank the engine longer than 30 seconds. Allow the cranking motor to cool two or three minutes before cranking again.

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HYDRAULIC RESERVOIR OIL FILTER (Figure 65)

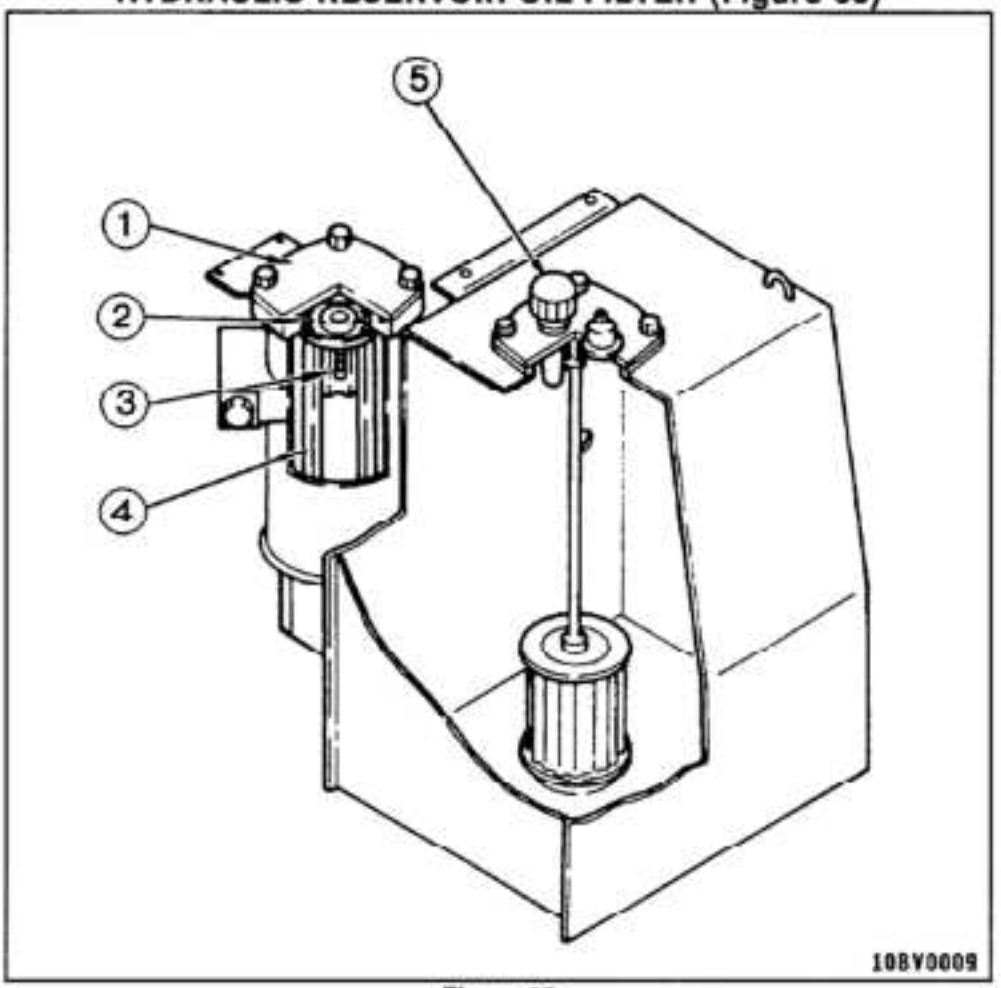


Figure 65
Hydraulic Reservoir Filter

1. Filter cover
2. Spring
3. Valve
4. Element
5. Filler cap

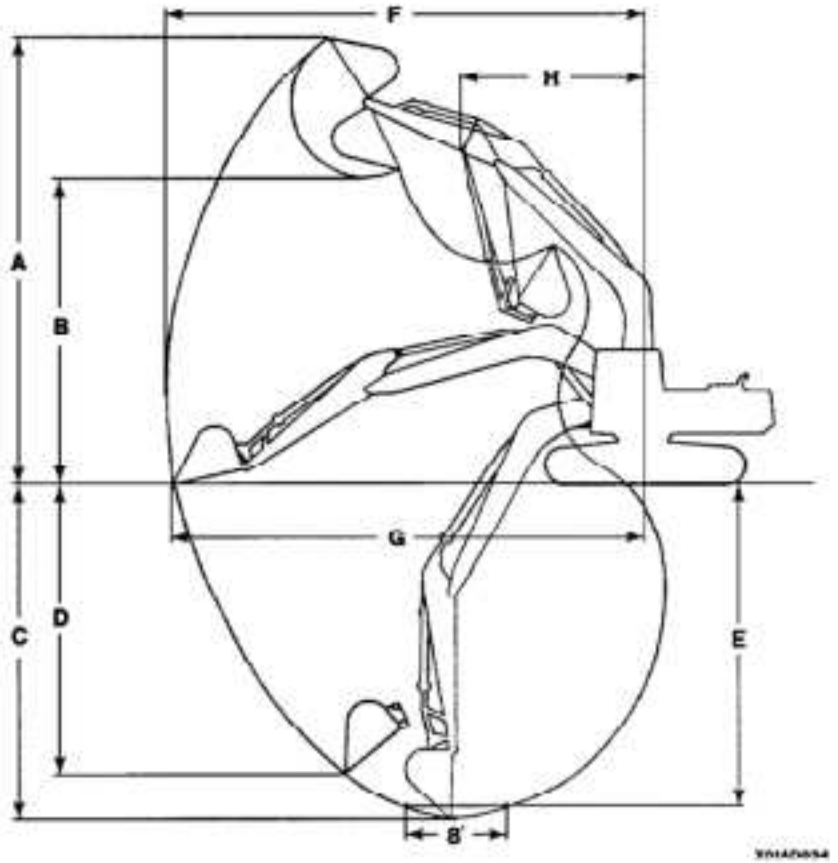
1. Clean the top of the reservoir and filter cover with a commercial cleaning solvent.
2. Slowly remove the reservoir filler cap (5).
3. Remove the reservoir filter cover (1), then remove spring (2) and valve (3), and remove element (4).

⚠ WARNING

When removing the cover, loosen the bolts gradually because the cover is under the force of the spring.

4. Clean filter cover, spring and valve in solvent.
5. Install valve, spring, new element and cover.

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PC300LC-5		ARMS			
		2.2 m (7'3")	2.55 m (8'4")	3.19 m (10'5")	4.02 m (13'2")
A	MAXIMUM DIGGING HEIGHT	9580 mm (31'5")	9965 mm (32'8")	10210 mm (33'6")	10550 mm (34'7")
B	MAXIMUM DUMPING HEIGHT	6595 mm (21'8")	6895 mm (22'7")	7110 mm (23'4")	7490 mm (24'7")
C	MAXIMUM DIGGING DEPTH	6355 mm (20'10")	6705 mm (22')	7380 mm (24'3")	8180 mm (26'10")
D	MAXIMUM VERTICAL WALL DIGGING DEPTH	5120 mm (16'10")	5880 mm (19'4")	6480 mm (21'3")	7280 mm (23'11")
E	MAXIMUM DIGGING DEPTH OF CUT FOR 8' LEVEL	6130 mm (20'1")	6520 mm (21'5")	7180 mm (23'7")	8045 mm (26'5")
F	MAXIMUM DIGGING REACH	10155 mm (33'4")	10550 mm (34'7")	11100 mm (36'5")	11900 mm (39'1")
G	MAXIMUM DIGGING REACH AT GROUND	9950 mm (32'8")	10355 mm (34')	10920 mm (35'10")	11730 mm (38'6")
H	MINIMUM SWING RADIUS	4330 mm (14'2")	4345 mm (14'3")	4280 mm (14')	4280 mm (14'1")
BUCKET DIGGING FORCE		18800 kg (41,450 lb)	18800 kg (41,450 lb)	18800 kg (41,450 lb)	18800 kg (41,450 lb)
ARM CROWD FORCE		19100 kg (42,110 lb)	16700 kg (36,830 lb)	14100 kg (31,080 lb)	12100 kg (26,680 lb)

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