PART NO. EM18M-1-1

HITACHI

Operator's Manual

EX3600-6

Hydraulic Excavator

Serial No 001002 and up

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MEMO

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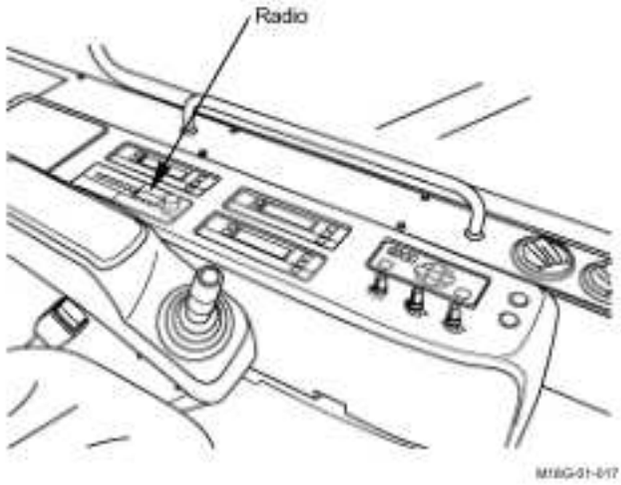
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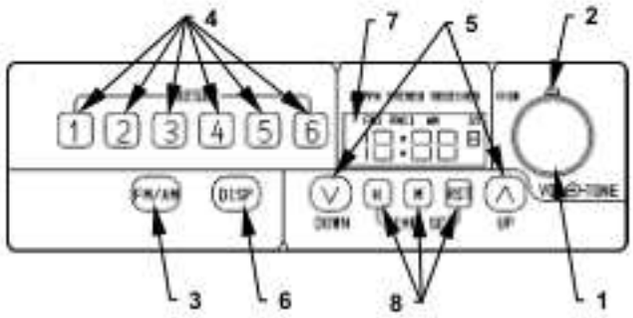
AM/FM RADIO OPERATION



Controls on the radio

1- Power Switch/Volume Control Knob
2- Tone Adjustment Ring
3- AM/FM Switch
4- Station Presets
5- Tuning Switches
6- Display Mode Change Switch
7- Digital Display
8- Time Set Switches

Tuning Procedure



- Manual Tuning Procedure
  Repeatedly tap one of tuning switches (5) until the desired station is reached.
  Each time the tuning switch is pressed, the frequency changes at an interval.

  Tap the tuning switch [UP] (⋀) to increase the frequency.
  Tap the tuning switch [DOWN] (⋁) to decrease the frequency.

- Automatic Search Function
  Press and hold one tuning switch (5) for more than half a second, then release. The frequency display will move up to the next higher frequency station.

  To go up to the next higher frequency station, press and hold the tuning switch [UP] (⋀).
  To go down to the next lower frequency station, press and hold the tuning switch [DOWN] (⋁).

  In order to deactivate the automatic search function while it is operating (while searching the next available frequency station), simply tap tuning switch (5) again. If the receiving radio waves are weak, i. e. such as when the machine is located between high rising buildings, etc., use the manual tuning procedure to select the desired station.

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3 **Change Engine Oil in Engine Oil Pan --- every 500 hours (first time after 50 hours)**

4 **Replace Engine Oil Filters --- every 500 hours (first time after 50 hours)**

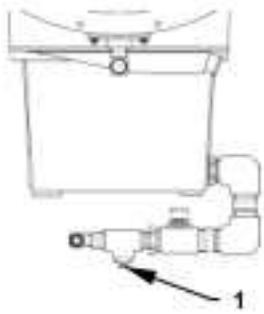
1. Run the engine to warm oil. DO NOT run the engine until oil is hot.
2. Park the machine on a level surface.
3. Lower the bucket to the ground.
4. Turn the auto-idle switch off.

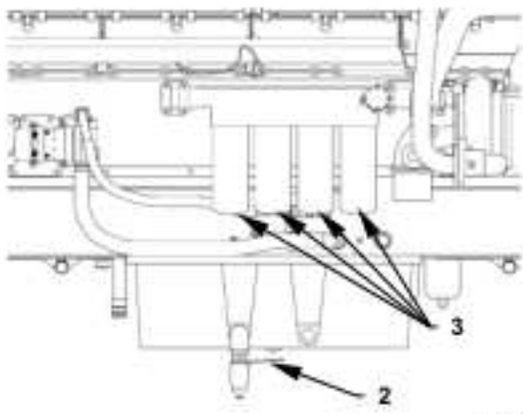
IMPORTANT: The turbocharger may be damaged if the engine is not properly shut down.

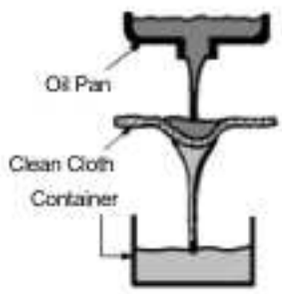
5. Run the engine at slow idle speed without load for 5 minutes.
6. Stop the engine. Remove the key from the key switch.
7. Pull the pilot control shut-off lever to the LOCK position.

WARNING: Engine oil may be hot just after operation. Use care to be sure you are not burned from hot oil.

8. Prepare a container of 260 liter (68.7 US gal) or more capacity for the drain oil.
9. Remove drain plug (1) near the engine oil pan.
10. Open drain cock (2) to drain the engine oil.
11. Check if foreign material like metal particles are included in the drain oil by filtering it with a clean cloth.
12. Tighten drain plug (1) and close drain cock (2) securely.
13. Unscrew main filter cartridges (3), then discard them.
14. Fill the filters with lubricating oil to prevent crankshaft or bearing damage. Apply a light even coat of lubricating oil to the gasket sealing surface prior to installing the filters.
15. Position the filters to the filter head. Tighten by hand until the seal touches the filter head.
16. Tighten cartridges (3) one-half to three-fourths turn more using filter wrench.



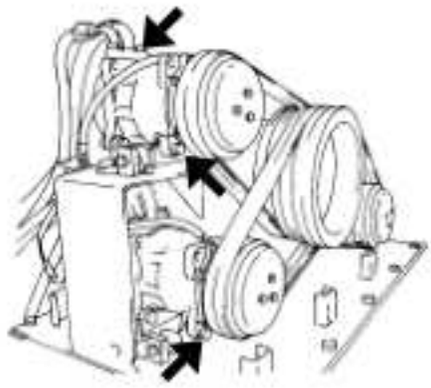




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6 **Check Tightening Torque**
--- every 250 hours

Check the tightness of mounting bolts, hose connections and fittings every 250 hours. Tighten to torque specifications if any are loose.



M140-37-001

Torque Specifications for Hose Connections:

Wrench Size (mm)	Fastening Torque		
	N·m	(kgf·m)	(lbf·ft)
19	11.5 to 14.5	(1.2 to 1.5)	(8.7 to 10.5)
24	19.5 to 24.5	(2 to 2.5)	(14.5 to 18)
27	29.5 to 34	(3 to 3.5)	(21.5 to 25.5)

Torque Specifications for Compressor Mounting Bolts:

Wrench Size (mm)	Fastening Torque		
	N·m	(kgf·m)	(lbf·ft)
10	19.5 to 29.5	(2 to 3)	(14.5 to 21.5)

Torque Specifications for Liquid Tank:

Wrench Size (mm)	Fastening Torque		
	N·m	(kgf·m)	(lbf·ft)
10	7.8 to 11.5	(0.8 to 1.2)	(5.8 to 8.7)

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