PART NO. EM18L-1-1

HITACHI

Operator's Manual

EX2500-6

Hydraulic Excavator

Serial No 001002 and up

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MEMO

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CONTENTS

MACHINE NUMBERS

SAFETY

Recognize Safety Information....S-1
Understand Signal Words....S-1
Follow Safety Instructions....S-2
Prepare for Emergencies....S-2
Wear Protective Clothing....S-3
Protect Against Noise....S-3
Inspect Machine....S-3
General Precautions for CAB....S-4
Use Handholds and Steps....S-5
Adjust the Operator's Seat....S-5
Fasten Your Seat Belt....S-6
Move and Operate Machine Safely....S-6
Handle Starting Aids Safely....S-6
Operate Only from Operator's Seat....S-7
Jump Starting....S-7
Keep Riders Off Machine....S-7
Investigate Job Site Beforehand....S-8
Protect Against Falling Stones and Debris....S-8
Provide Signals for Jobs Involving Multiple Numbers of Machines....S-9
Confirm Direction of Machine to be Driven....S-9
Drive Machine Safely....S-10
Avoid Injury from Rollaway Accidents....S-11
Avoid Injury from Back-Over and Swing Accidents....S-12
Keep Person Clear from Working Area....S-13
Never Position Bucket Over Anyone....S-13
Avoid Undercutting....S-13
Avoid Tipping....S-14
Never Undercut a High Bank....S-14
Dig with Caution....S-15
Operate with Caution....S-15
Avoid Power Lines....S-15
Precautions for Lightening....S-16
Object Handling....S-16
Protect Against Flying Debris....S-16
Park Machine Safely....S-17
Handle Fluids Safely – Avoid Fires....S-17
Practice Safe Maintenance....S-18
Warn Others of Service Work....S-19
Support Machine Properly....S-19
Stay Clear of Moving Parts....S-19
Prevent Parts from Flying....S-20
Store Attachments Safely....S-20
Prevent Burns....S-21
Replace Rubber Hoses Periodically....S-21
Avoid High-Pressure Fluids....S-22
Prevent Fires....S-23
Evacuating in Case of Fire....S-24
Beware of Exhaust Fumes....S-24
Precautions for Welding and Grinding....S-25
Avoid Heating Near Pressurized Fluid Lines....S-25
Avoid Applying Heat to Lines Containing Flammable Fluids....S-25
Remove Paint Before Welding or Heating....S-26
Beware of Asbestos Dust....S-26
Prevent Battery Explosions....S-27
Service Air Conditioning System Safely....S-27
Handle Chemical Products Safely....S-28
Dispose of Waste Properly....S-28

SAFETY SIGNS....S-29

COMPONENTS NAME....1-1

HANDLING STAIRWAY/EMERGENCY ROPE

Using Stairway....1-2
Operating Stairway....1-2
Emergency Escape....1-5
Emergency Exit....1-6
Evacuating in Case of Fire....1-6

OPERATOR'S STATION

Cab Features....1-8
Monitor Display....1-9
Starting Check Screen....1-9
Meter Check Screen....1-10
Tachometer....1-11
Coolant Temperature Gauge....1-11
Hydraulic Oil Temperature Gauge....1-11
Fuel Gauge....1-11
Engine Oil Pressure Gauge....1-12
Engine Oil Temperature Gauge....1-12
Hour Meter....1-12
Warning Indicators....1-12
Alternator Indicator....1-12
Pump Transmission Oil Level Indicator....1-13
Engine Stop Indicator....1-13
Engine Oil Pressure Indicator....1-13
Coolant Overheat Indicator....1-13
Coolant Level Indicator....1-14
Engine Over Run Indicator....1-14
Fuel Temperature Indicator....1-14
Hydraulic Oil Level Indicator....1-14
Stop Valve Indicator....1-15
Auto-Lubrication Indicator....1-15
Fast-Filling Indicator....1-16
Emergency Engine Stop Indicator....1-16
Tension Indicator....1-16
Electric Lever Indicator....1-16
Caution Indicators....1-17
Exhaust Temperature Indicator....1-17
Engine Warning Indicator....1-17
Hydraulic Oil Overheat Indicator....1-17
Pump Contamination Indicator....1-17
Stairway Position Indicator....1-18
Air Cleaner Restriction Indicator....1-18
Electrical Equipment Box Indicator....1-18

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CONTENTS

Status Indicators 1-18
Auto-Idle Indicator 1-18
Travel Mode Indicator 1-19
Prelub Indicator 1-19
Left Console 1-20
Warning Lamp 1-20
Caution Lamp 1-20
Key Pad 1-20
Monitor Contrast Switch 1-20
Wiper Switch 1-21
Washer Switch 1-21
Wiper Delay Selector Switch 1-21
Air Conditioners 1-22
Designations and Functions of Controls 1-23
Cooling 1-25
Heating 1-25
Dehumidifying and Heating 1-25
Defrosting 1-26
Blower Operation without Cooling or Heating 1-26
Ventilation the Cab 1-26
AM/FM Radio Operation 1-27
Digital Clock Setting Procedure 1-28
Right Console 1-29
Key Switch 1-29
Emergency Engine Stop Switch 1-30
Engine Start Switch 1-30
Engine Stop Switch 1-30
Engine Speed Control Dial 1-31
Work Light Switch 1-32
Dome Light Switch 1-33
Maintenance Light Switch 1-34
Entrance Light Switch 1-35
Travel Mode Switch 1-36
Auto-Idle Switch 1-36
Buzzer Stop Switch 1-37
Fast-Filling System 1-38
Rear Console 1-39
Horn Switch 1-40
Adjusting the Seat 1-41
Seat Belt 1-44
Cab Door Release Button 1-45
Opening Cab Left Window 1-45

BREAK-IN

Observe Machine Closely 2-1
Every 10 Hours or Each Shift 2-1
After the First 50 Hours 2-2

OPERATING THE ENGINE

Inspect Machine Daily Before Starting 3-1
Before Turning Power ON 3-2
Turning Power ON 3-3
Starting the Engine 3-8
Starting in Cold Weather 3-9
Check Instruments after Starting 3-10
Stopping the Engine 3-11
Emergency Engine Stop Switch 3-12
Engine Stop Switches 3-13

DRIVING THE MACHINE

Drive the Machine Carefully 4-1
Steering the Machine Using Pedals 4-2
Steering the Machine Using Levers 4-3
Travel Mode Switch 4-4
Travel Alarm 4-5
Traveling 4-6
Operating on Soft Ground 4-7
Raise One Track Using Boom and Arm 4-7
Towing Machine a Short Distance 4-8
Operating in Water or Mud 4-9
Precautions for Traveling on Slopes 4-10
Parking the Machine on Slopes 4-11
Parking the Machine 4-11

OPERATING THE MACHINE

Control Lever (ISO Pattern Backhoe) 5-1
Control Lever (HITACHI Pattern Backhoe) 5-2
Control Lever (ISO Pattern Loading Shovel) 5-3
Control Lever (HITACHI Pattern Loading Shovel) 5-4
Bucket Open-Close Pedals (Loading Shovel) 5-5
Pilot Control Shut-Off Lever 5-6
Engine Speed Control 5-7
Auto-Idle 5-8
Warming-Up Operation 5-9
Warming-Up the Cylinders and Motors 5-10
Precautions for Operations 5-11
Operate the Machine Safely 5-12
Operating Backhoe 5-13
Grading Operation 5-13
Avoid Abusive Operation 5-14
Operating Tips 5-15
Avoid Swinging Bucket to Move Objects 5-15
Loading Shovel Operation 5-16
Prohibited Operation 5-16
Object Handling 5-19
Overnight Storage Instructions 5-20

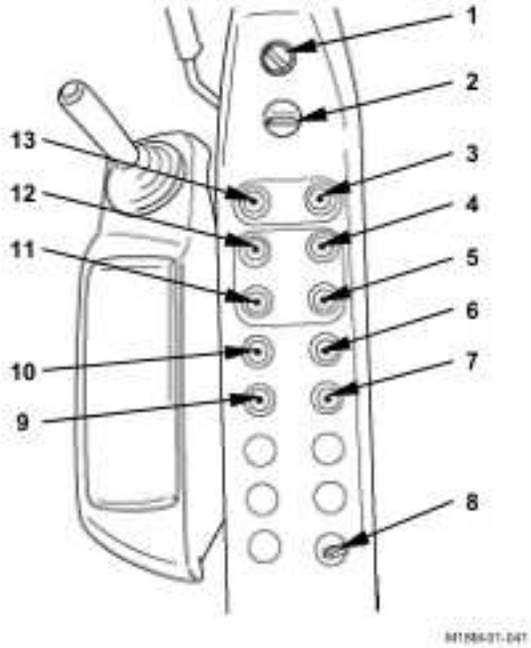
MAINTENANCE

Correct Maintenance and Inspection Procedures 7-1
Check the Hour Meter Regularly 7-2
Use Correct Fuels and Lubricants 7-2
Prepare Machine for Maintenance 7-3
Open Access Doors for Service 7-5
Inspection/Maintenance Lights 7-6
Use a Chain to Prevent Falling Accidents 7-7
Construction Outline 7-9
Hydraulic System 7-10
Periodic Replacement of Rubber Hoses 7-13
Maintenance Interval Guide 7-17

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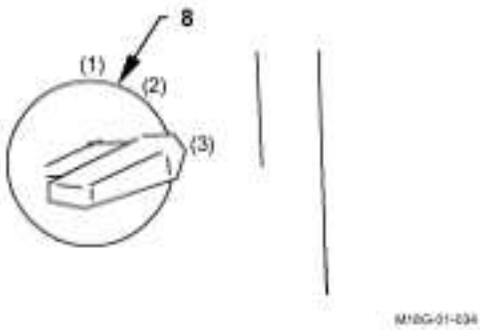
RIGHT CONSOLE

1- Emergency Engine Stop Switch
2- Engine Speed Control Dial
3- Engine Start Switch
4- Dome Light Switch
5- Entrance Light Switch
6- Auto Idle Switch
7- Fast-Filling Switch
8- Key Switch
9- Buzzer Stop Switch
10- Travel Mode Switch
11- Maintenance Light Switch
12- Work Light Switch
13- Engine Stop Switch



KEY SWITCH

1- OFF (Power OFF)
2- ACC (Horn, Radio, etc)
3- ON (Power ON)



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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)**

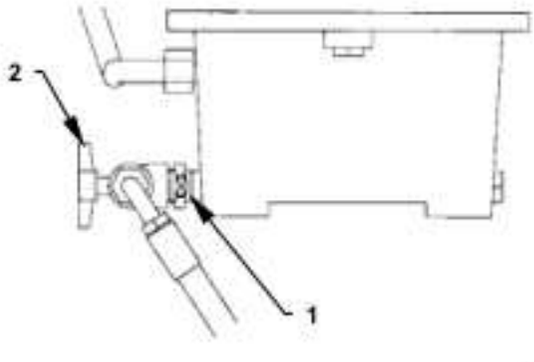
1. Run the engine to warm oil. DO NOT run the engine until oil is hot.
2. Park the machine on a level surface.
3. Lower the bucket to the ground.
4. Turn the auto-idle switch off.

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

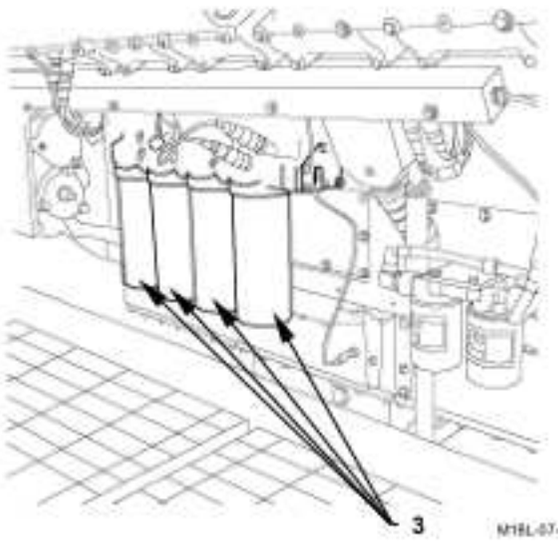
5. Run the engine at slow idle speed without load for 5 minutes.
6. Stop the engine. Remove the key from the key switch.
7. Pull the pilot control shut-off lever to the LOCK position.

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

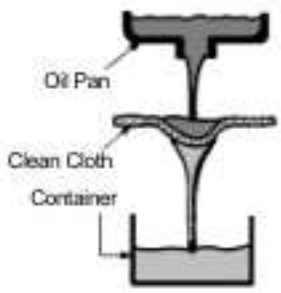
8. Prepare a container of 150 liter (39.6 US gal) or more capacity for the drain oil.
9. Remove drain plug (1) near the engine oil pan.
10. Open drain cock (2) to drain the engine oil.
11. Check if foreign material like metal particles are included in the drain oil by filtering it with a clean cloth.
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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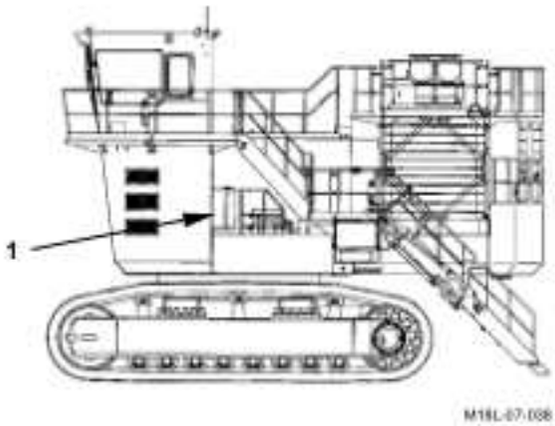


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6 Check Tightening Torque --- every 250 hours

Check the tightness of compressors (1) mounting bolts, hose connections and fittings every 250 hours. Tighten to torque specifications if any are loose.



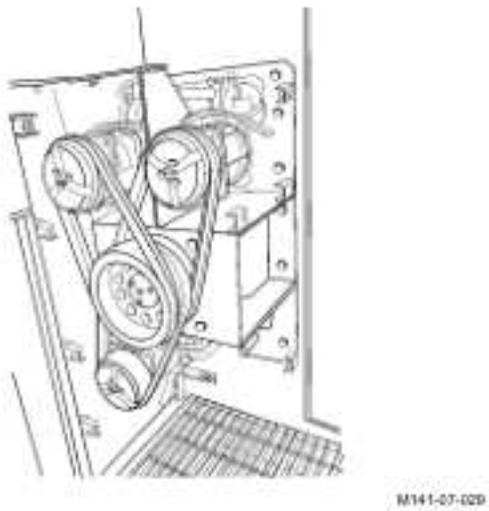
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Torque Specifications for Hose Connections:

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:

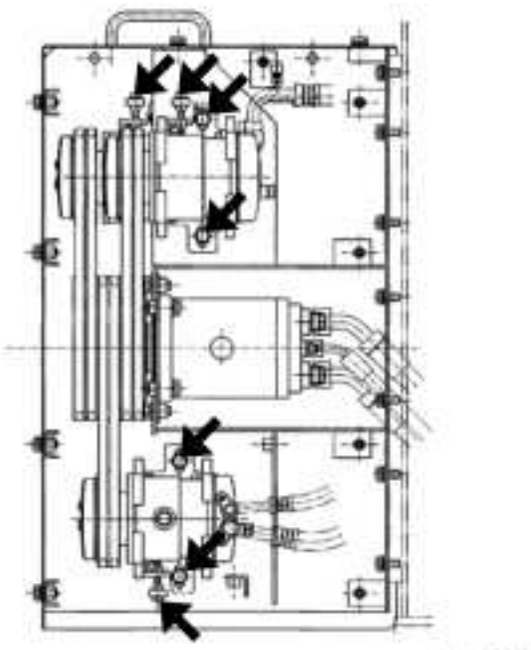
Wrench Size (mm)	Fastening Torque		
	N·m	kgf·m	lbf·ft
10	19.5 to 29.5	2 to 3	14.5 to 21.5



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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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