PART NO. EM18K-1-2

HITACHI

Operator's Manual

EX1900-6

Hydraulic Excavator

Serial No 001001 and up

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MEMO

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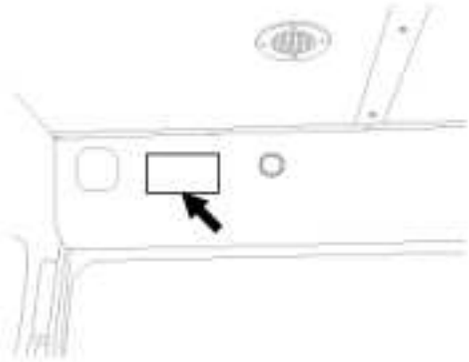
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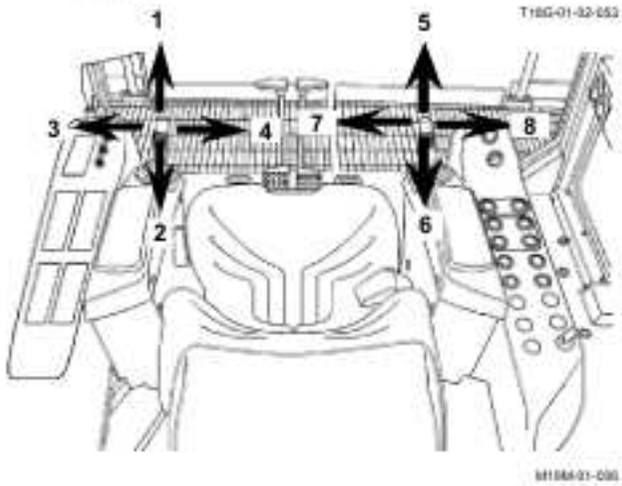
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CONTROL LEVER (ISO PATTERN BACKHOE)

WARNING: Never place any part of body beyond window frame. It could be crushed by the boom if boom control lever is accidentally bumped or otherwise engaged. If window is missing or broken, replace immediately.
Prevent possible injury from unexpected machine movement.
Make sure you know the location and function of each control before operating.



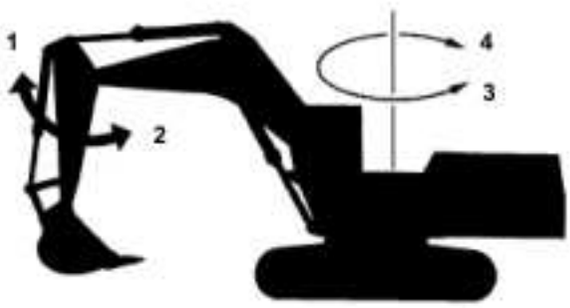
The machine is equipped with a label showing the control patterns of the levers and pedals.

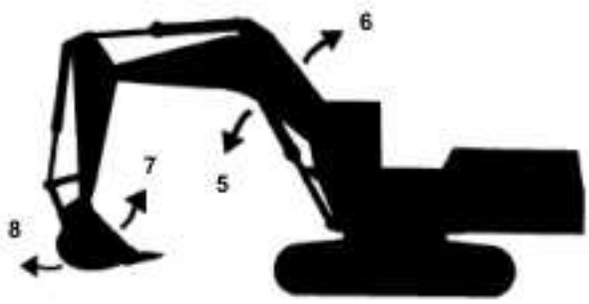


IMPORTANT: When digging, avoid hitting tracks with boom cylinders.
When digging over the end of the tracks, travel motors should be at the rear to maximize machine stability and lift capacity.

When a lever is released, it will automatically return to neutral, and that machine function will stop.

1- Arm Roll-Out
2- Arm Roll-In
3- Swing Left
4- Swing Right
5- Boom Lower
6- Boom Raise
7- Bucket Roll-In.
8- Bucket Roll-Out.



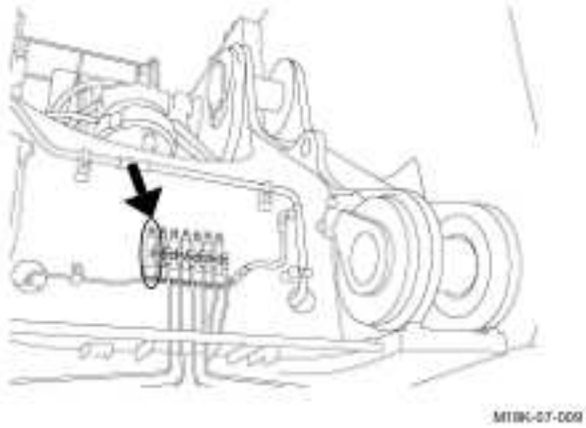


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5 **Center Joint --- every 500 hours**
(Grouped Grease Fittings --- Main Frame)

NOTE: Auto-lubrication can be used for the fittings on the center joint.

Each time you leave the cab
- **Lower the bucket to the ground.**
- **Stop the engine.**
- **Pull the pilot control shut-off lever to the LOCK position.**
- **Use handrails.**



1. Park the machine on a level surface.
2. Lower the bucket to the ground.
3. Turn the auto-idle switch off.

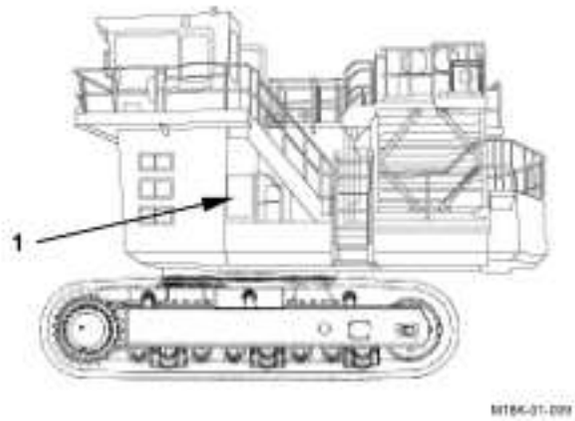
IMPORTANT: The turbocharger may be damaged if the engine is not properly shut down.

4. Run the engine at slow idle speed without load for five minutes.
5. Turn the key switch OFF. Remove the key from the key switch.
6. Pull the pilot control shut-off lever to the LOCK position.
7. With the upperstructure stationary, apply grease to the one grease fitting.
8. Total amount of grease to be applied is approximately 5 to 6 strokes by grease lubricator.

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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.



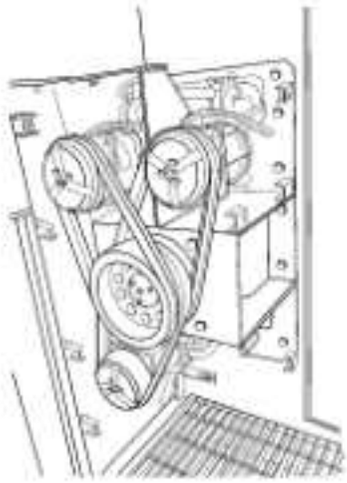
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Torque Specifications for Hose Connections:

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:

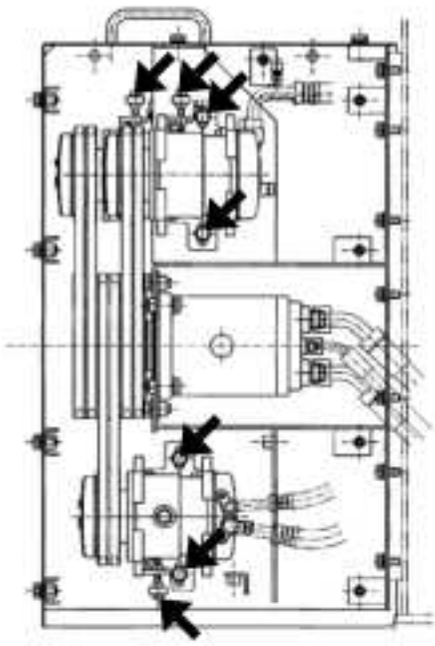
Wrench Size (mm)	Fastening Torque		
	N·m	kgf·m	lbf·ft
10	19.5 to 29.5	2 to 3	14.5 to 21.5



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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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