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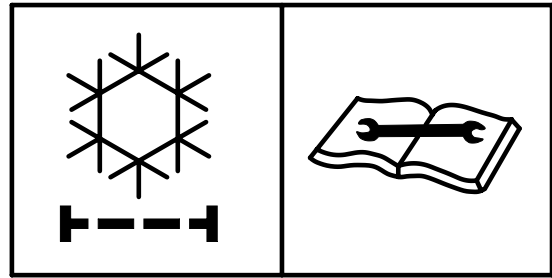
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11) DECAL-AIRCON FILTER(Item 13)

This warning label is positioned on the lower seat base.

- ※ **Periodic and proper inspection, cleaning and change of filter prolong air conditioner life time and maintain good performance.**

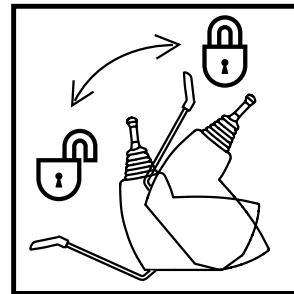


21070FW26

12) DECAL-CONSOLE TILTING(Item 14)

This warning label is positioned on the LH console box.

- ※ **Before you get off the machine be sure to tilt the LH console box.**

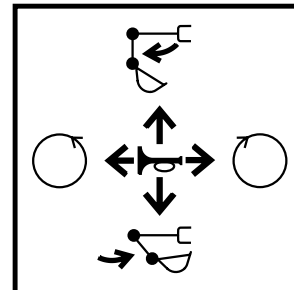


R5570FW17

13) CONTROL IDEOGRAM-LH(Item 15)

This warning label is positioned on the LH console box.

- ▲ **Check the machine control pattern for conformance to pattern on this label. If not, change label to match pattern before operating machine.**
- ▲ **Failure to do so could result in injury or death.**
- ※ **See page 4-7 for details.**

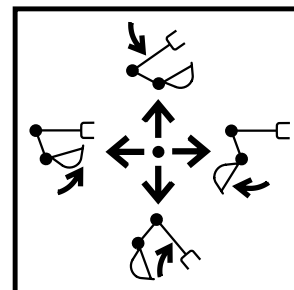


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14) CONTROL IDEOGRAM-RH(Item 16)

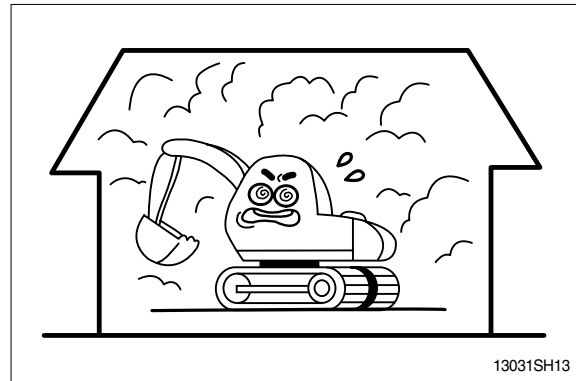
This warning label is positioned on the RH console box.

- ▲ **Check the machine control pattern for conformance to pattern on this label. If not, change label to match pattern before operating machine.**
- ▲ **Failure to do so could result in injury or death.**
- ※ **See page 4-7 for details.**

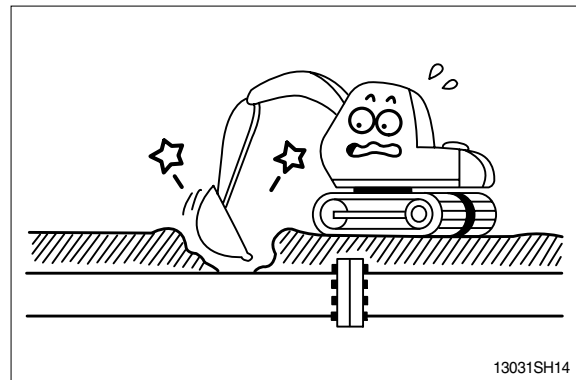


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Provide proper ventilation when operating engine in a closed area to avoid the danger of exhaust gases.



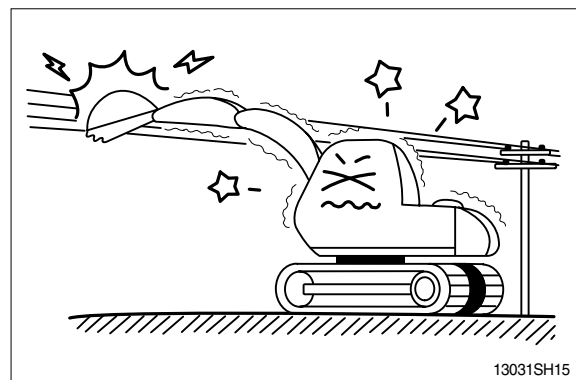
Check the locations of underground gas pipes or water line and secure the safety before operation.



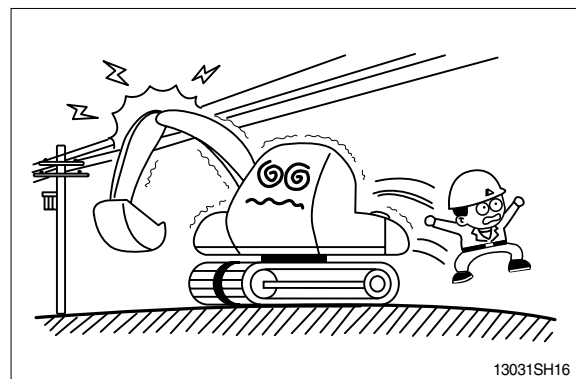
The operating near the electrical lines is very dangerous.

Operate within safe working range permitted as below.

Supply voltage	Min safe separation
6.6kV	3m(10ft)
33.0kV	4m(13ft)
66.0kV	5m(16ft)
154.0kV	8m(26ft)
275.0kV	10m(33ft)

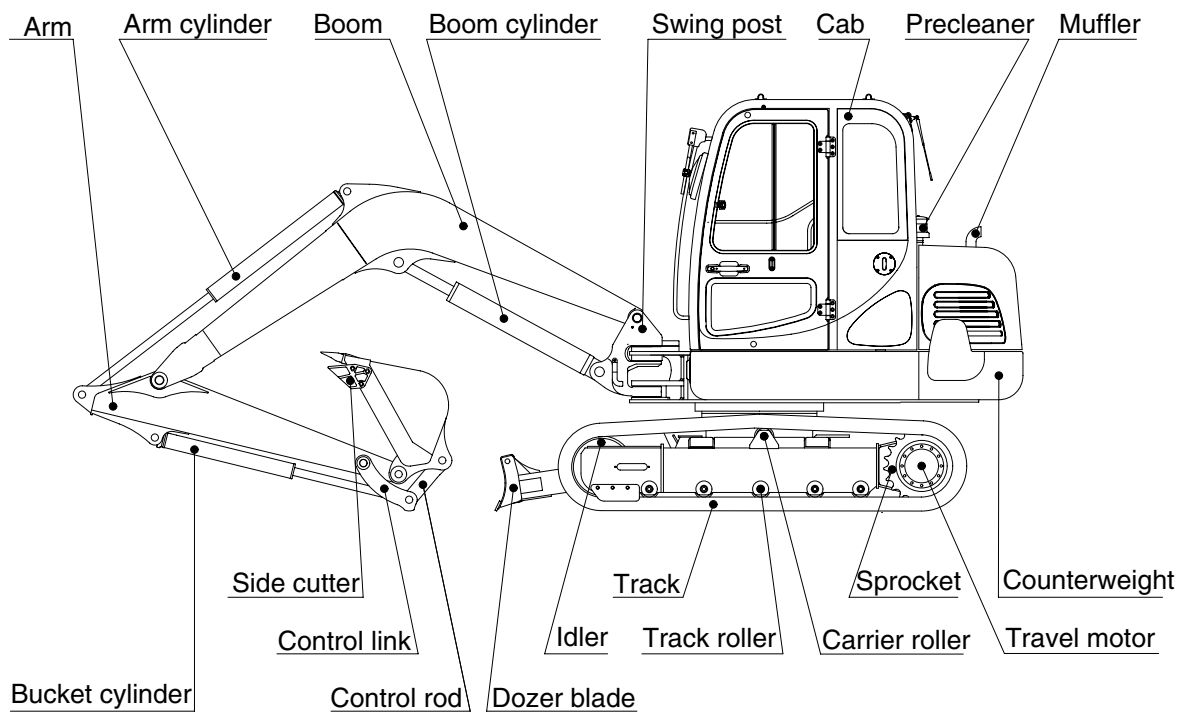
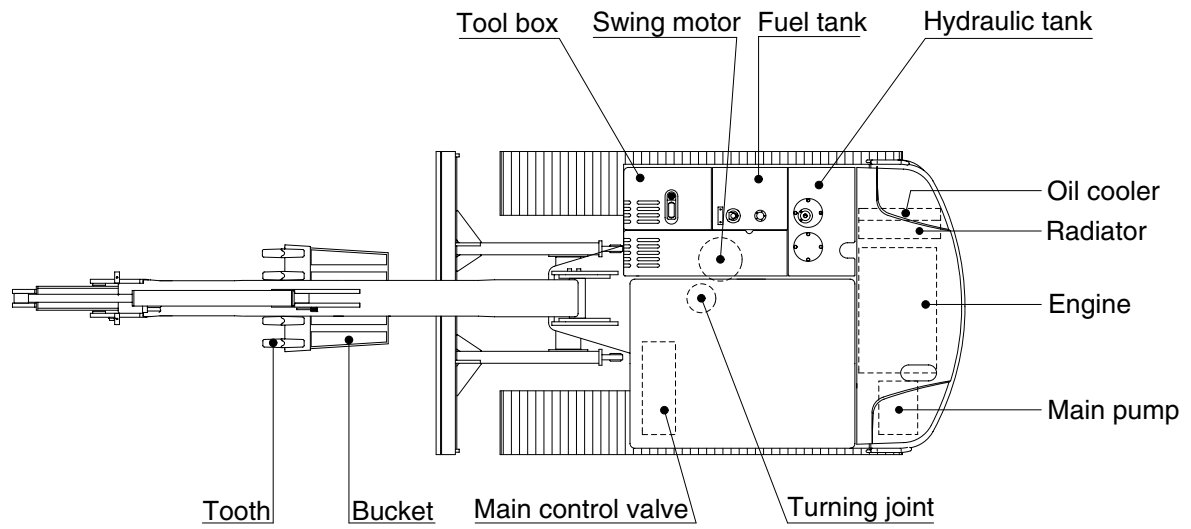


If the machine touches the electric power lines, keep sitting on the operator's seat and make sure the personnel on the ground not to touch the machine until turning off the electric current. Jump off the machine without contacting the machine when you need to get off.



SPECIFICATIONS

1. MAJOR COMPONENT



R5572SP01

7) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing type
Operating pressure	Minimum	5kgf/cm ² (71psi)
	Maximum	20kgf/cm ² (284psi)
Single operation stroke	Lever	6.5/8.5mm(0.26/0.33in)

8) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	∅ 110 × ∅ 65 × 715mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	∅ 90 × ∅ 55 × 850mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	∅ 80 × ∅ 50 × 660mm
	Cushion	-

※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.

※ Discoloration does not cause any harmful effect on the cylinder performance.

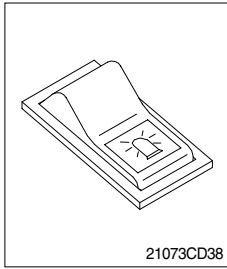
9) SHOE

Item	Width	Ground pressure	Link quantity	Overall width
R55-7	400mm(16")	0.33kgf/cm ² (4.69psi)	40	1900mm(6' 3")

10) BUCKET

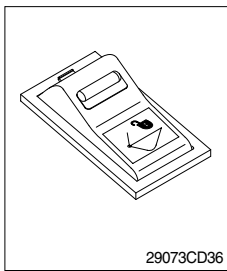
Item		Capacity		Tooth quantity	Width	
		SAE heaped	CECE heaped		Without side cutter	With side cutter
R55-7	STD	0.18m ³ (0.24yd ³)	0.15m ³ (0.20yd ³)	5	705mm(27.8")	770mm(30.3")
	OPT	0.07m ³ (0.09yd ³)	0.06m ³ (0.08yd ³)	3	315mm(12.4")	360mm(14.2")

7) BEACON SWITCH(Optional)



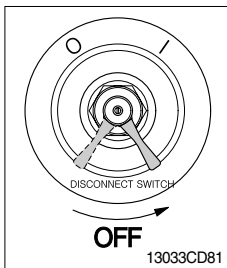
- (1) This switch turns ON the rotary light on the cab.
- (2) The below indicator lamp is turned ON when operation this switch.

8) QUICK CLAMP SWITCH(Optional)



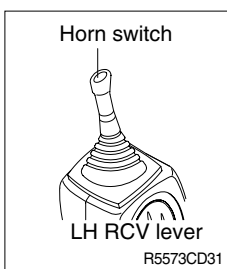
- (1) This switch is used to engage or disengage the moving hook on quick clamp.
- ※ Refer to the page 8-6 for details.

9) MASTER SWITCH



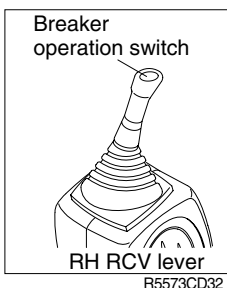
- (1) This switch is used to shut off the entire electrical system.
- (2) I : The battery remains connected to the electrical system.
O : The battery is disconnected to the electrical system.
- ※ **Never turn the master switch to O(OFF) with the engine running. It could result in engine and electrical system damage.**

10) HORN SWITCH



- (1) This switch is at the top of left side control lever.
On pressing, the horn sounds.

11) BREAKER OPERATION SWITCH



- (1) On pressing this switch, the breaker operates only when the breaker selection switch on the switch panel is selected.

5) FUSE BOX

HORN	10A	START KEY	20A
FUEL FILLER P/P	20A	CASSETTE ROOM LAMP	20A
CIGAR LIGHT	10A	CLUSTER	5A
SAFETY SOL	5A	CASSETTE RADIO	10A
SOLENOID	20A	CLUSTER	10A
ALT START	10A	FUEL CUT-OFF	10A
TRAVEL	10A	WIPER	10A
BEACON LAMP	10A	AIR-CON HEATER	30A
PRE-HEAT	10A	HEAD LAMP	20A
FEED P/P	5A	WORK LAMP	20A
FUSE HOLDER		SPARE	10A
		SPARE	20A

R5573CD60

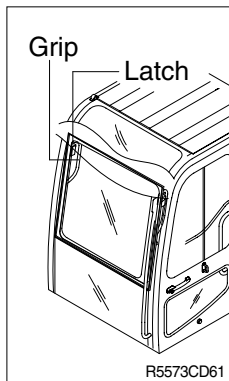
(1) The fuses protect the electrical parts and wiring from burning out.

(2) The fuse box cover indicates the capacity of each fuse and circuit it protects.

※ **Replace a fuse with another of the same capacity.**

▲ **Before replacing a fuse, be sure to turn OFF the starting switch.**

6) UPPER WINDSHIELD



R5573CD61

(1) Perform the following procedure in order to open the upper windshield.

① Release both latches in order to release the upper windshield.

② Hold both grips that are located at both side the windshield frame push the windshield upward.

③ Hold both grips that are provided on the windshield frame and back into the storage position until auto lock latch is engaged.

(2) Perform the following procedure in order to close the upper windshield.

Reverse step ① through step ③ in order to close the upper windshield.

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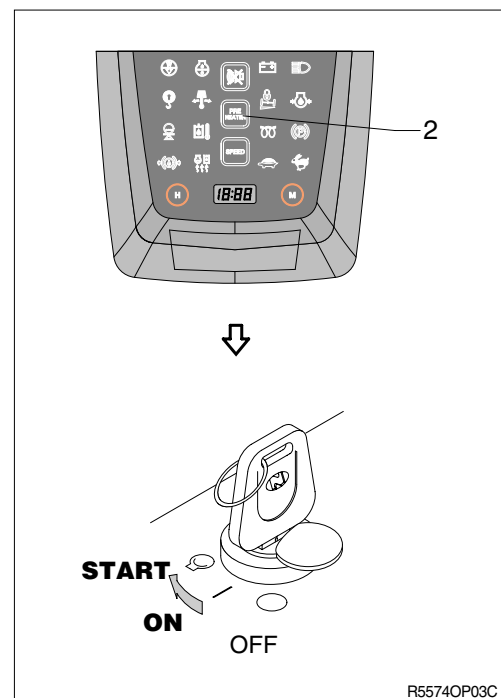
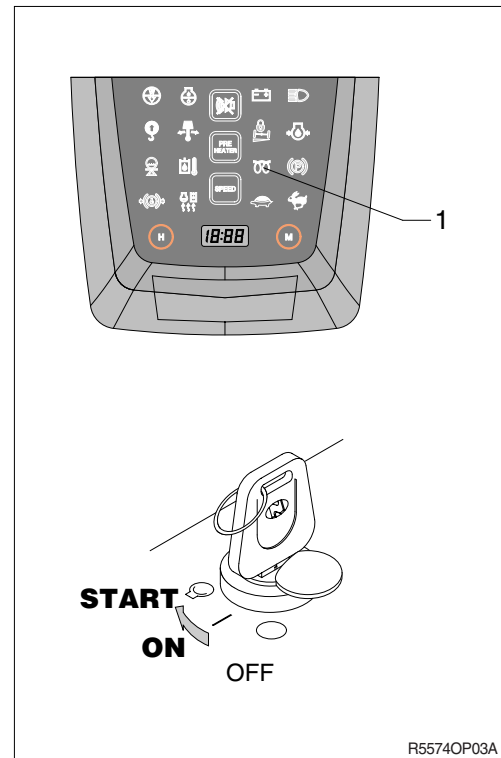
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2) STARTING ENGINE

- ※ Sound horn to warn surroundings after checking if there are obstacles in the area.
- ※ Replace the engine oil and fuel referring to recommended oils at page 2-12.
- ※ Fill anti-freeze solution to the coolant as required.

- (1) Check if all levers are on the neutral position.
- (2) Turn the starting switch to ON position.
- (3) Check if the preheat pilot lamp(1) is turned ON.
 - ※ When the preheat pilot lamp is turned ON, the preheating function is actuated within 15 seconds.
 - ※ After the preheat pilot lamp is turned OFF, engine start within 10 seconds.
- (4) Start engine by turning the starting switch to the START position.
- (5) Release the starting switch immediately after starting engine to avoid possible damage to the starting motor.
 - ※ If the engine is started before the preheat pilot lamp goes OFF, it keeps the lamp ON within 15 seconds even after the engine is started.

- ※ If the engine does not start, the start switch turn ON position and press the preheat switch (1) for preheating.
After the preheating, start the engine again.
- ※ If the engine does not start, allow the starter to cool for 10~20 seconds before attempting to start the engine again.
At the cold, allow 2 minute before attempting to start the engine again.
- ※ Be aware that battery can be easily discharged after long time with head light, work lamp and air-conditioner turned on together under the condition of the low engine rpm.



12) BUCKET WITH HOOK

When carrying out lifting work, the special lifting hook is necessary.

The following operations are prohibited.

- Lifting loads with a wire rope fitted around the bucket teeth.
- Lifting loads with the wire rope wrapped directly around the boom or arm.

When performing lifting operation, securely hook the wire rope onto the special lifting hook.

When performing lifting operation, never raise or lower a person.

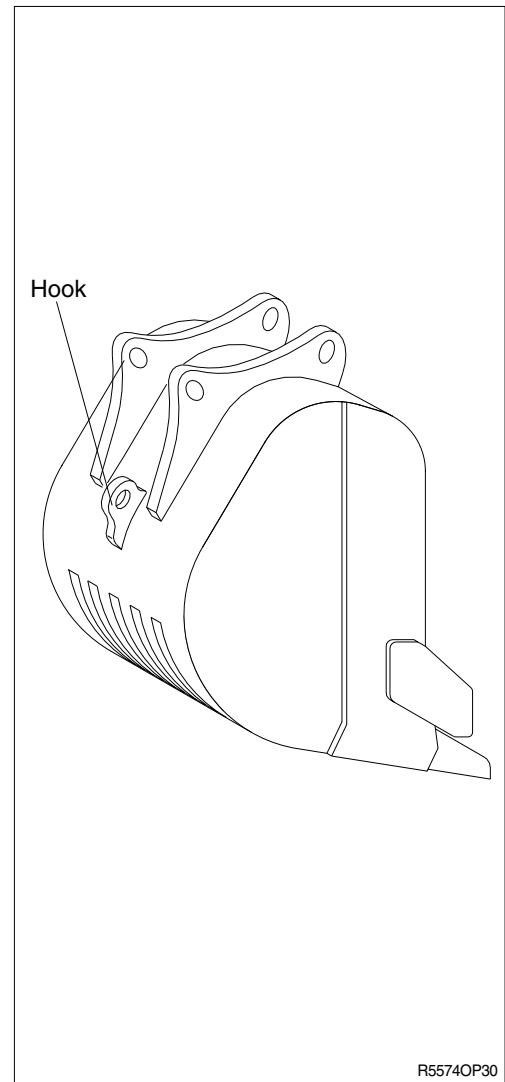
Due to the possible danger of the load falling or of collision with the load, no persons shall be allowed in the working area.

Before performing lifting operation, designate an operation supervisor.

Always execute operation according to his instructions.

- Execute operating methods and procedures under his direction.
- Select a person responsible for signaling. Operate only on signals given by such person.

Never leave the operator's seat while lifting a load.



5) BE CAREFUL NOT TO COME OFF THE RUBBER TRACKS

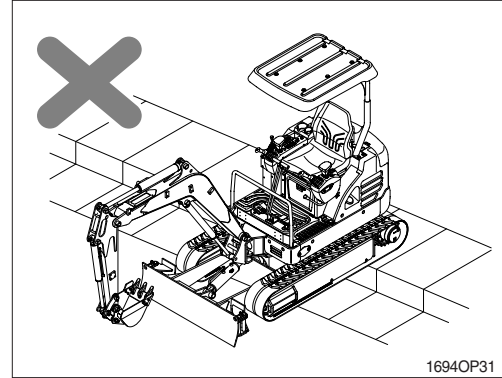
Keep the tracks in appropriate tension to prevent them from coming off.

If the tension is too low, the rubber tracks may come off under the following conditions.

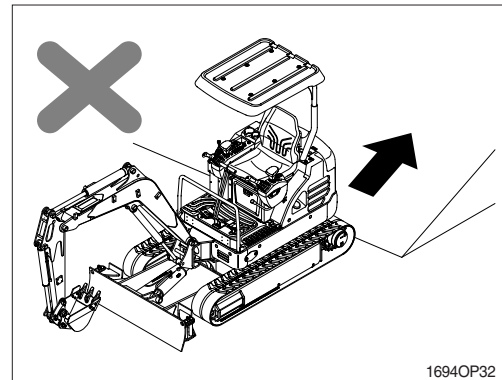
Even if the tension is adequate, take care when operating the tracks under these conditions.

Some illustrations in this section can be different from your machine.

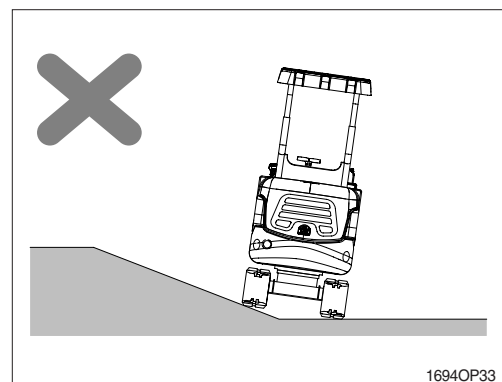
- (1) Do not steer the machine at an angle other than 90 degrees across a large level gap created by a curbstone or a rock [approximately more than 20 cm (8")]. Run over a level gap at a right angle only to prevent the tracks from coming off.



- (2) Do not steer the machine across a boundary between the flat ground and a slope, while moving backwards. If such travel is not avoidable, slow down the speed.



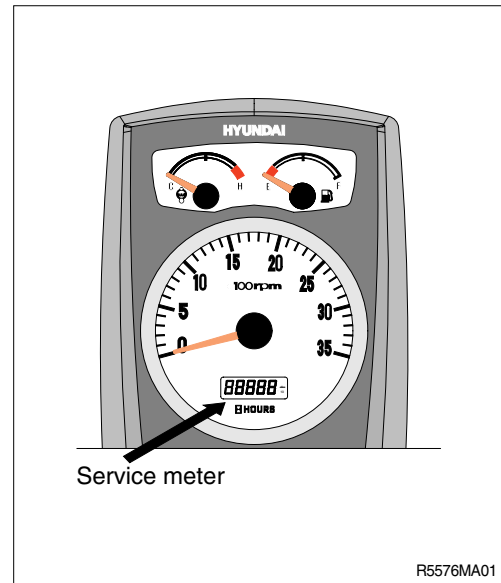
- (3) Do not travel with the track on one side on a slope or on convex ground (causing a machine angle of more than 10 degrees), and with the track on the other side on flat ground, to prevent the rubber track from being damaged. Be sure to travel with the tracks on both sides on the same level surface.



1. INSTRUCTION

1) INTERVAL OF MAINTENANCE

- (1) You may inspect and service the machine by the period as described at page 6-11 based on hour meter at cluster.
- (2) Shorten the interval of inspect and service depending on site condition.(Such as dusty area, quarry, sea shore and etc.)
- (3) Practice the entire related details at the same time when the service interval is doubled.
For example, in case of 100hours, carry out all the maintenance 「Each 100hours, each 50 hours and daily service」 at the same time.



2) PRECAUTION

- (1) Start to maintenance after you have the full knowledge of machine.
- (2) The monitor installed on this machine does not entirely guarantee the condition of the machine.
Daily inspection should be performed according to clause 4, maintenance check list.
- (3) Engine and hydraulic components have been preset in the factory.
Do not allow unauthorized personnel to reset them.
- (4) Ask to your local dealer or Hyundai for the maintenance advice if unknown.
- (5) Drain the used oil and coolant in a container and handle according to the method of handling for industrial waste to meet with regulations of each province or country.

4. MAINTENANCE CHECK LIST

1) DAILY SERVICE BEFORE STARTING

Check items	Service	Page
Visual check		
Fuel tank	Check, Refill	6-25
Hydraulic oil level	Check, Add	6-27
Engine oil level	Check, Add	6-18
Coolant level	Check, Add	6-20
Control panel & pilot lamp	Check, Clean	6-36
Water separator	Check, Drain	6-25
Fan belt tension	Check, Adjust	6-23

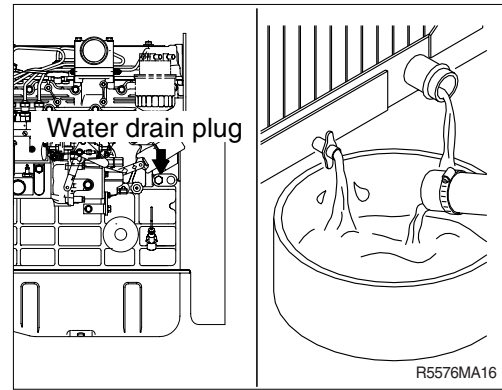
2) EVERY 50 HOURS SERVICE

Check items	Service	Page
Fuel tank	Drain	6-25
Track tension	Check, Adjust	6-32
Swing bearing	Lubricate	6-30
Swing reduction gear oil	Check, Add	6-29, 30
Swing reduction gear grease	Lubricate	6-30
Lubricate pin and bushing	Lubricate	6-35
<ul style="list-style-type: none"> · Boom cylinder head and rod · Boom connecting · Arm cylinder head and rod · Boom + Arm connecting · Bucket cylinder head and rod · Arm + Bucket connecting · Arm + Link, Bucket control · Bucket control rod · Boom swing post + Upper frame connecting · Boom swing cylinder head and rod · Dozer blade + Lower frame connecting · Dozer blade cylinder head and rod 		

- ▲ Wait until the temperature is below 50° C (122° F) before removing the coolant system pressure cap.

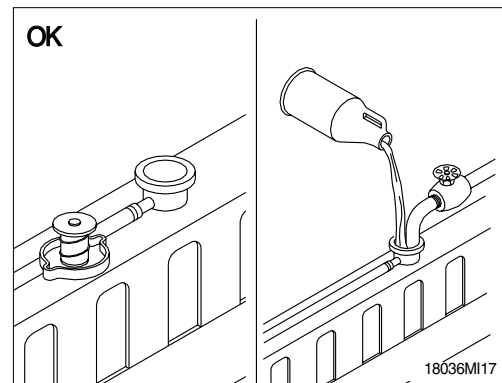
Failure to do so can cause personal injury from heated coolant spray.

Drain the cooling system by opening the drain valve on the radiator and removing the plug in the bottom of the water inlet. A drain pan with a capacity of 20 liters(5U.S.gallons) will be adequate in most applications.

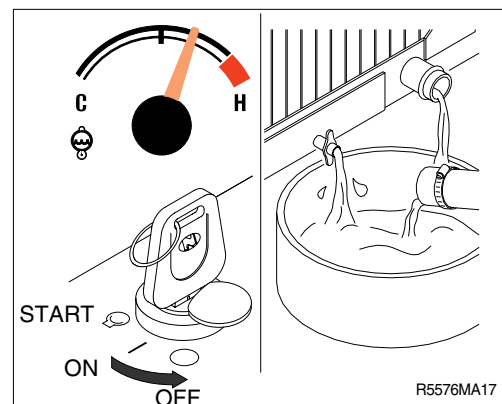


(2) Flushing of cooling system

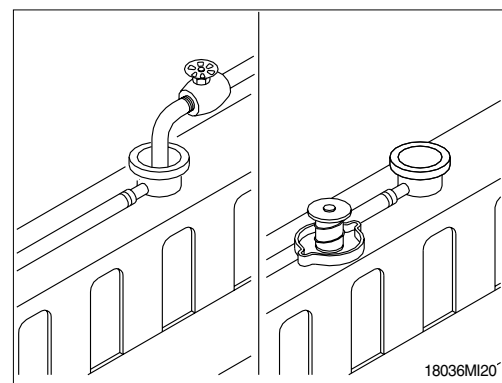
- ① Fill the system with a mixture of sodium carbonate and water(or a commercially available equivalent).
 - ※ Use 0.5kg(1.0pound) of sodium carbonate for every 23 liters(6.0U.S. gallons) of water.
 - ※ Do not install the radiator cap. The engine is to be operated without the cap for this process.



- ② Operate the engine for 5 minutes with the coolant temperature above 80°C(176°F) .
Shut the engine off, and drain the cooling system.

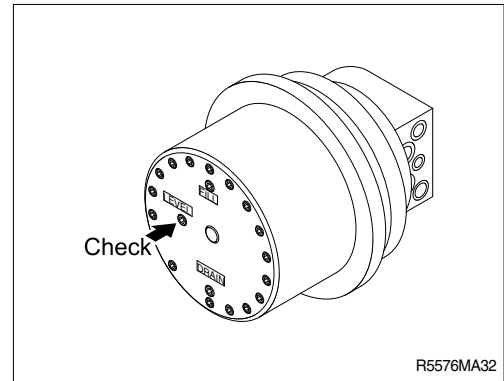


- ③ Fill the cooling system with clean water.
 - ※ Be sure to vent the engine and aftercooler for complete filling.
 - ※ Do not install the radiator cap or the new coolant filter.



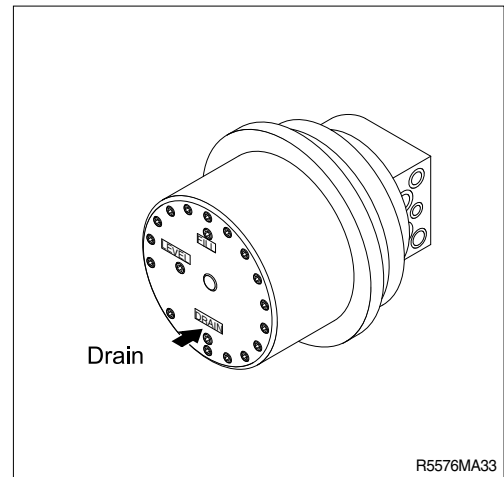
25) CHECK THE TRAVEL REDUCTION GEAR OIL

- (1) Operate the machine to the position of drain plug down to the flat ground.
- (2) Loosen the level plug and check the oil level.
If the level is at the hole of the plug, it is normal.
Fill the oil if it is not sufficient.
Amount of oil : 1.2 l (0.3 U.S.gal)



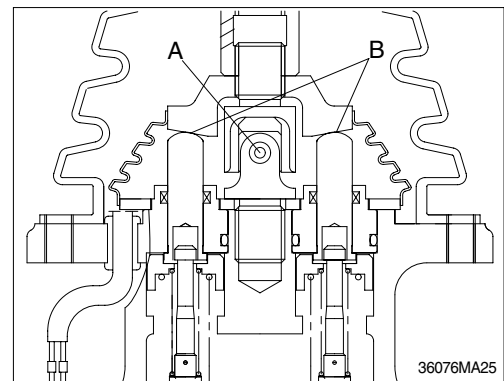
26) CHANGE OF THE TRAVEL REDUCTION GEAR OIL

- (1) Raise the temperature of the oil by traveling machine first.
- (2) Stop when the position of the drain plug is down.
- (3) Loosen the level plug and then the drain plug.
- (4) Drain the oil to adequate container.
- (5) Tighten the drain plug and fill specified amount of oil at filling port.
- (6) Tighten the level plug and travel slowly to check if there is any leakage of oil.



27) LUBRICATE RCV LEVER

Remove the bellows and with a grease gun grease the joint part(A) and sliding parts(B).



2. ELECTRICAL SYSTEM

Trouble	Service	Remark
Lamp does not glow brightly even when engine runs at high speed. Lamp flickers while engine runs.	<ul style="list-style-type: none"> • Check for loose terminals and open-circuit wiring. • Adjust belt tension. 	
Battery charging lamp does not go out even when engine runs at high speed.	<ul style="list-style-type: none"> • Check the alternator. • Check and repair wiring. 	
Unusual noise is emitted from the alternator.	<ul style="list-style-type: none"> • Check the alternator. 	
Starting motor does not turn when starting switch is turned START.	<ul style="list-style-type: none"> • Check and repair the wiring. • Charge the battery. • Check the starting motor. • Check the safety relay. 	
The pinion of the starting motor keeps going in and out.	<ul style="list-style-type: none"> • Charge the battery. • Check the safety relay. 	
Starting motor turns the engine sluggishly.	<ul style="list-style-type: none"> • Charge the battery. • Check the starting motor. 	
The starting motor disengages before the engine starts up.	<ul style="list-style-type: none"> • Check and repair the wiring. • Charge the battery. 	
The engine warming up lamp does not go ON.	<ul style="list-style-type: none"> • Check and repair wiring. • Check the monitor. 	
The engine oil pressure lamp does not light up when engine is stationary(When the starting switch is in ON position.)	<ul style="list-style-type: none"> • Check the monitor. • Check the caution lamp. 	
Battery charging lamp does not light up when the engine is stationary. (When the starting switch is in ON position.)	<ul style="list-style-type: none"> • Check the monitor. • Check and repair the wiring. 	

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