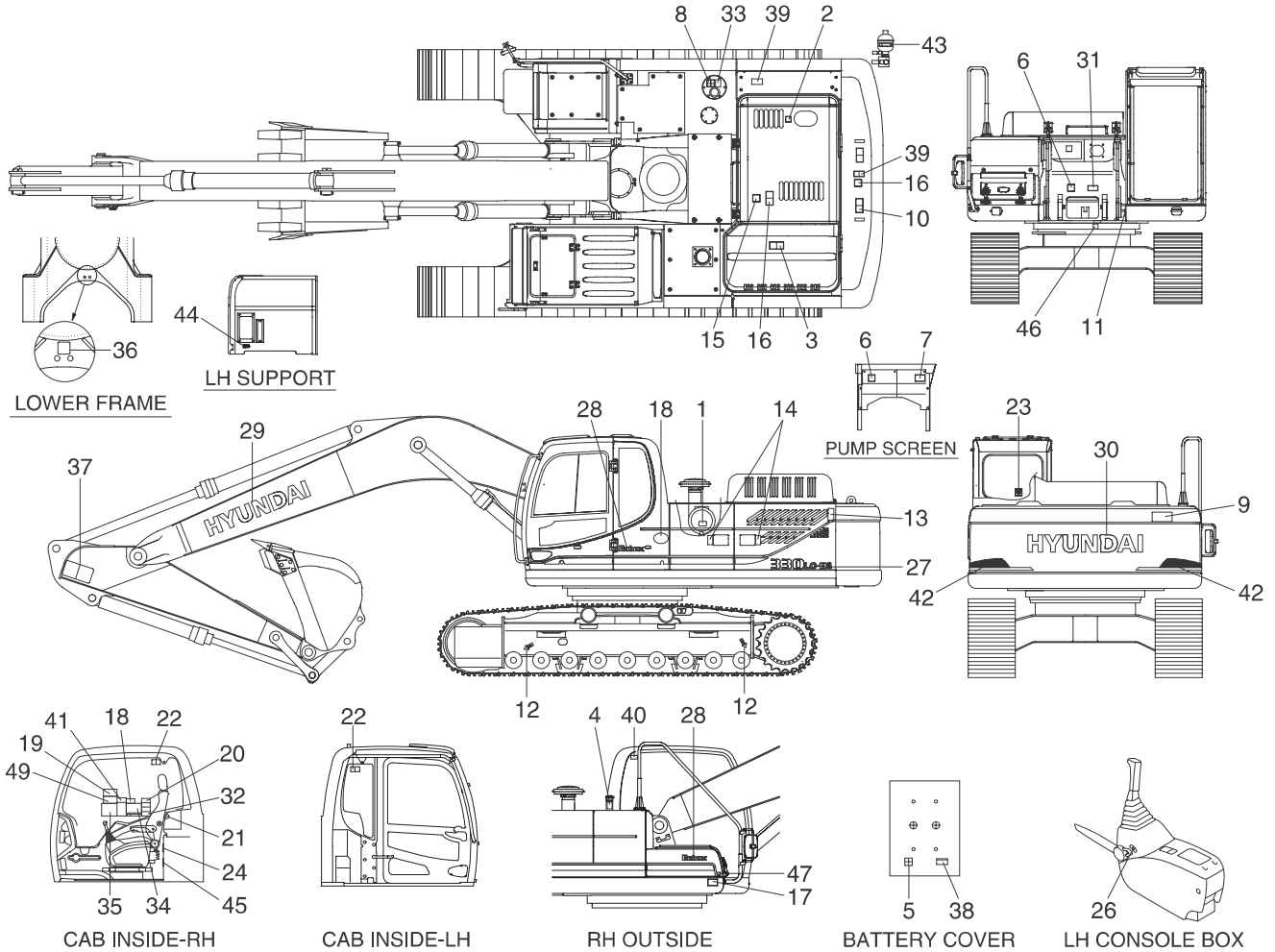


# SAFETY LABELS

## 1. LOCATION

Always keep these labels clean. If they are lost or damaged, attach them again or replace them with a new label.



3309S0SL01

- |                         |                                      |                            |
|-------------------------|--------------------------------------|----------------------------|
| 1 Air cleaner filter    | 17 Transporting                      | 34 Service instruction     |
| 2 Turbocharger cover    | 18 Low emission engine               | 35 Lifting chart           |
| 3 Radiator cap          | 19 Control ideogram                  | 36 Tie                     |
| 4 Fueling               | 20 Ref operator manual-Cab RH pillar | 37 Keep clear-Boom/arm     |
| 5 Battery accident      | 21 Hammer                            | 38 Connector               |
| 6 High pressure hose    | 22 Safety front window               | 39 Falling                 |
| 7 Hydraulic oil level   | 23 Alternate exit                    | 40 Beacom lamp             |
| 8 Hydraulic oil lub     | 24 Air conditioner filter            | 41 Turbocharger            |
| 9 Keep clear-rear       | 26 Safety lever                      | 42 Reflecting              |
| 10 Lifting eye          | 27 Model name                        | 43 Accumulator             |
| 11 Name plate           | 28 Logo (ROBEX)                      | 44 RCV lever pattern       |
| 12 Sliding ideogram     | 29 Trade mark (boom)                 | 45 MCU connector           |
| 13 Keep clear-side      | 30 Trade mark (CWT)                  | 46 Swing bearing grease    |
| 14 Stay fix             | 31 Reduction gear grease             | 47 Battery position        |
| 15 Shearing-engine hood | 32 Locking-clamp                     | 48 Water separator         |
| 16 No step              | 33 Fuel shut off                     | 49 Machine control pattern |

## 2. DESCRIPTION

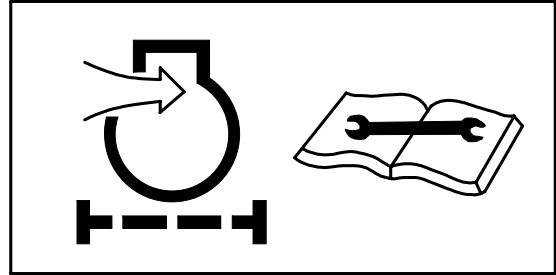
There are several specific warning labels on this machine please become familiarized with all warning labels.

Replace any safety label that is damaged, or missing.

### 1) AIR CLEANER FILTER (item 1)

This warning label is positioned on the air cleaner cover.

- ※ **Periodic and proper inspection, cleaning and change of elements prolong engine life time and maintain the good performance of engine.**



21070FW01

### 2) TURBOCHARGER COVER (item 2)

This warning label is positioned on the turbocharger cover.

- ▲ **Do not touch turbocharger or it may cause severe burn.**



21070FW02

### 3) RADIATOR CAP (item 3)

This warning label is positioned on the radiator.

- ▲ **Never open the filler cap while engine running or at high coolant temperature.**

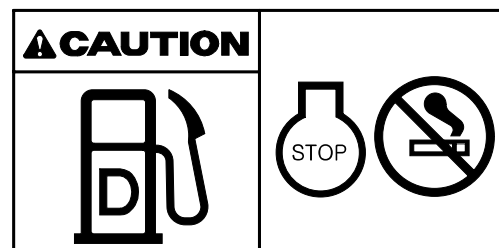


14070FW03

### 4) FUELING (item 4)

This warning label is positioned on the right side of fuel filler neck.

- ▲ **Stop the engine when refueling. All lights or flames shall be kept at a safe distance while refueling.**

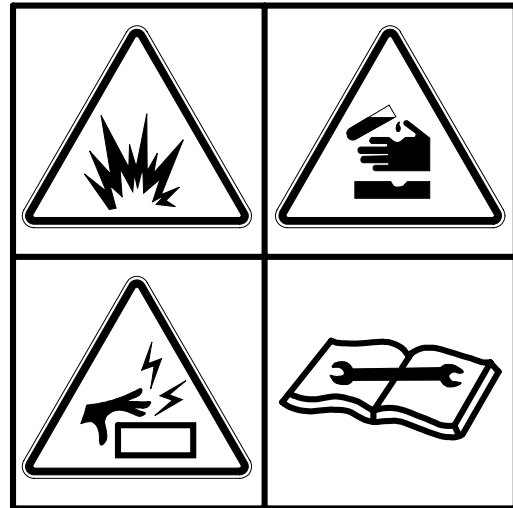


21070FW04

#### 5) BATTERY ACCIDENT (item 5)

This warning label is positioned on the battery cover.

- ▲ Electrolyte containing sulfuric acid cause severe burns. Avoid being in contact with skin, eyes or clothes. In the event of accident flush with sufficient water, call a physician immediately.
- ※ Maintain the electrolyte at the recommended level. Add distilled water to the battery only when starting up, never when shutting down.  
With electrolyte at proper level, less space may cause the gases to be accumulated in the battery.
- ▲ Extinguish all smoking materials and open flames before checking the battery.
- ▲ Do not use matches, lighters or torches as a light source near the battery for the probable presence of explosive gas.
- ▲ Do not allow unauthorized personnel to change the battery or to use booster cables.
- ▲ For safety from electric shock, do not battery terminal with a wet hand.



36070FW05

#### 6) HIGH PRESSURE HOSE (item 6)

This warning label is positioned on the screen plate.

- ▲ Escaping fluid under pressure can penetrate the skin causing serious injury.
- ※ Study the service manual before service job.

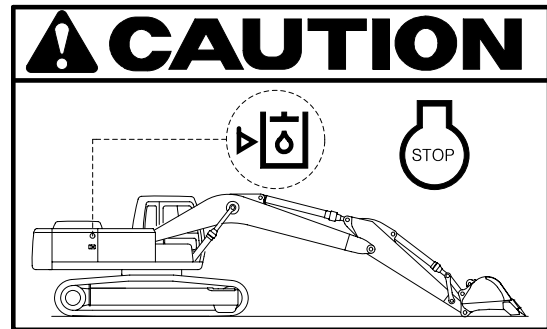


14070FW29

#### 7) HYDRAULIC OIL LEVEL (item 7)

This warning label is positioned on the screen plate.

- ▲ Place the bucket on the ground whenever servicing the hydraulic system.
- ※ Check oil level on the level gauge.
- ※ Refill the recommended hydraulic oil up to specified level if necessary.

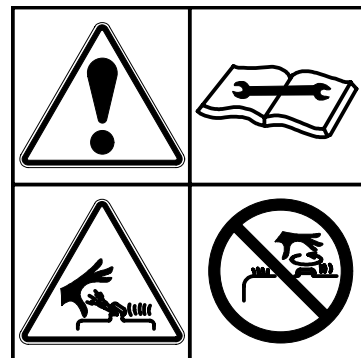


21070FW07

#### 8) HYDRAULIC OIL LUBRICATION (item 8)

This warning label is positioned on the top of the hydraulic tank.

- ※ Do not mix with different brand oils.
- ▲ Never open the filler cap while high temperature.
- ▲ Loosen the cap slowly and release internal pressure completely.

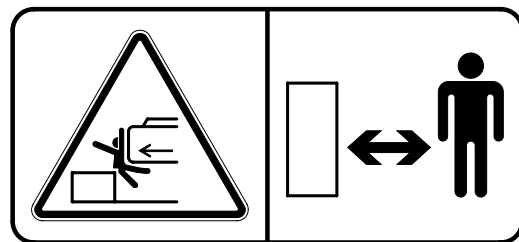


14070FW08

#### 9) KEEP CLEAR (item 9)

This warning label is positioned on the rear of counterweight.

- ▲ To prevent serious personal injury or death keep clear of machine swing radius.
- ▲ Do not deface or remove this label from the machine.

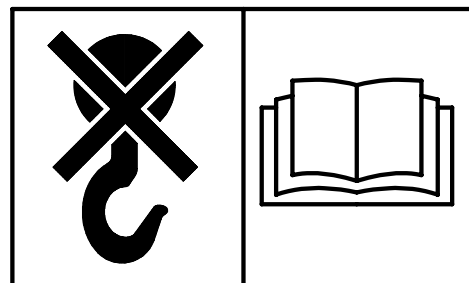


21090FW09

#### 10) LIFTING EYE (item 10)

This warning label is positioned on the counterweight.

- ▲ Do not lift the machine by using lifting eyes on the counterweight or the lifting eyes may be subject to overload causing its breaking and possible personal injury.
- ※ See page 5-9 for proper lifting method of the machine.

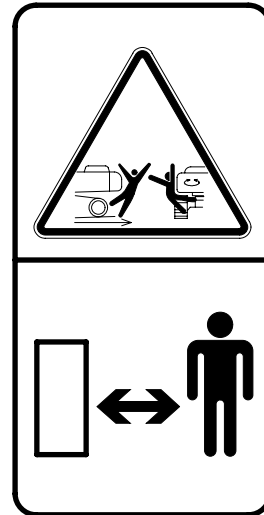


21070FW10

11) **SIDE KEEP CLEAR** (item 13)

This warning label is positioned on the side of LH rear side cover.

- ⚠ **To prevent serious personal injury or death keep clear of machine swing radius.**
- ⚠ **Do not deface or remove this label from the machine.**

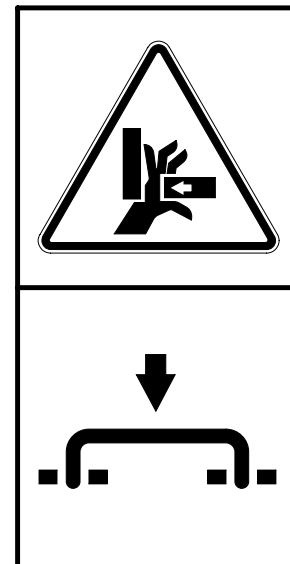


21070FW13

12) **STAY FIX** (item 14)

This warning label is positioned on the side cover.

- ⚠ **Be sure to support the stay when the door needs to be opened.**
- ⚠ **Be careful that the opened door may be closed by the external or natural force like strong wind.**

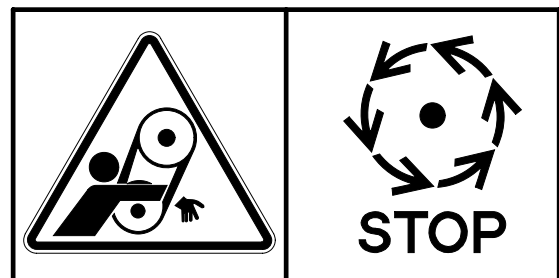


21070FW14

13) **SHEARING-ENGINE HOOD** (item 15)

This warning label is positioned on the engine hood.

- ⚠ **Don't open the engine hood during the engine's running.**
- ⚠ **Don't touch exhaust pipe or it may cause severe burn.**

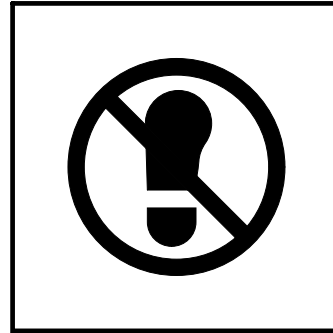


21070FW15

14) **NO STEP** (item 16)

This warning label is positioned on the engine hood and counterweight.

- △ **Don't step on the engine hood and counterweight.**

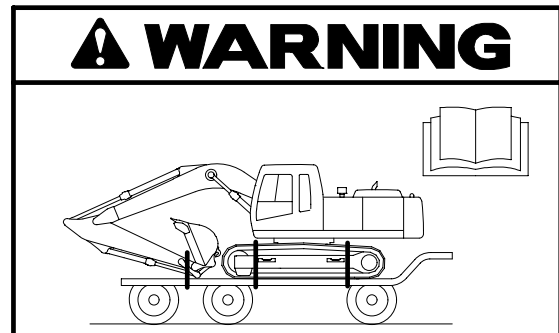


21070FW16

15) **TRANSPORTING** (item 17)

This warning label is positioned right side of upper frame.

- ▲ **Study the operator's manual before transporting the machine, if provided and tie down arm and track to the carrier with lashing wire.**  
See page 5-8 for details.

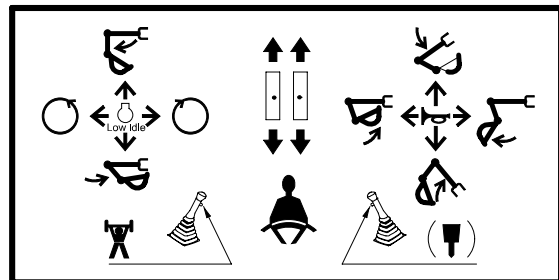


14070FW17

16) **CONTROL IDEOGRAM** (item 19)

This warning label is positioned in right window of the cab.

- ▲ **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 4-20 for details.

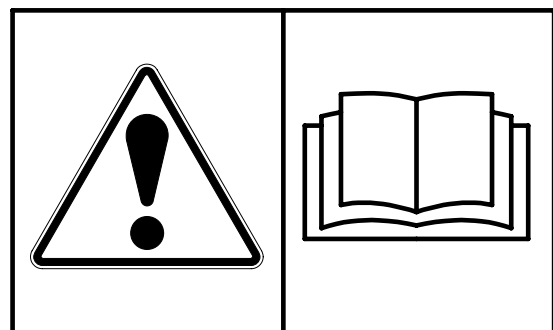


36070FW19

17) **REF OPERATOR MANUAL** (item 20)

This warning label is positioned on the right side window of the cab.

- ▲ **Study the operator's manual before starting and operating machine.**



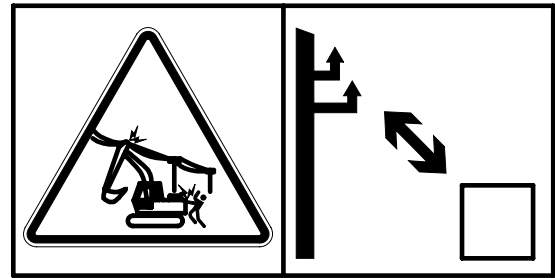
21070FW22

**18) MAX HEIGHT (item 20)**

This warning label is positioned on the right side window of the cab.

- ⚠ **Serious injury or death can result from contact with electric lines.**

An electric shock being received by merely coming into the vicinity of an electric lines, the minimum distance should be kept considering the supply voltage as page 1-7.

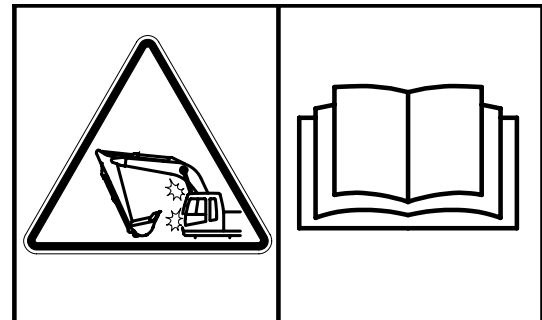


21070FW23

**19) INTERFERENCE (item 20)**

This warning label is positioned on the right side window of the cab.

- ⚠ **Be careful to operate machine equipped with quick clamp or extensions.**
- ⚠ **Bucket may hit cab or boom, boom cylinders when it reached vicinity of them.**

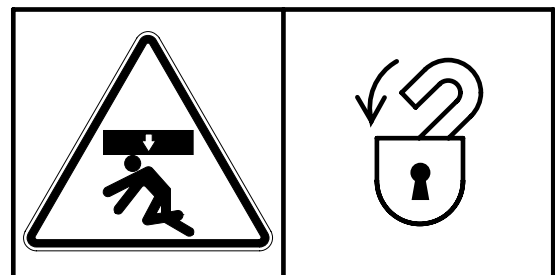


29090FW01

**20) SAFETY FRONT WINDOW (item 22)**

This warning label is positioned on the both side window of the cab.

- ⚠ **Be careful that the front window may be promptly closed.**

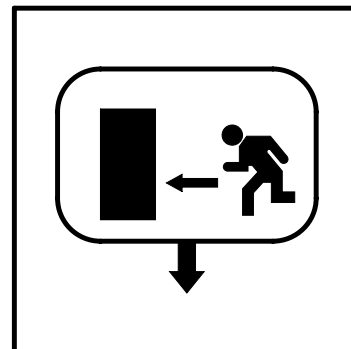


21070FW24

**21) ALTERNATE EXIT (item 23)**

This warning label is positioned on the inside of rear window.

- ※ **The rear window serves us an alternate exit.**
- ※ **To remove rear window, pull the ring and push out the glass.**

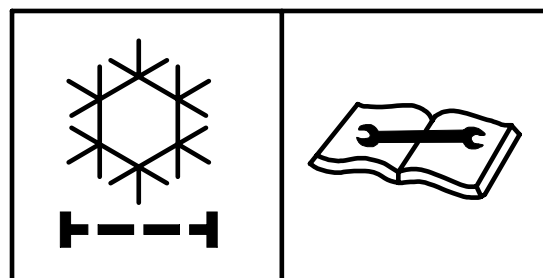


21070FW25

## 22) AIR CONDITIONER FILTER (item 24)

This warning label is positioned on the air conditioner cover.

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

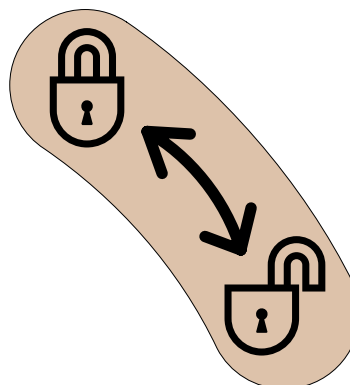


21070FW26

## 23) SAFETY LEVER (item 26)

This warning label is positioned on the cover of the safety lever.

- ▲ Before you get off the machine be sure to place the safety lever **LOCKED** position.

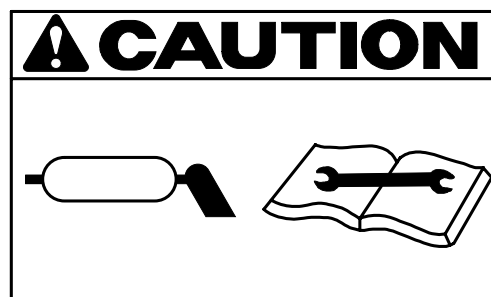


30007A1FW07A

## 24) REDUCTION GEAR GREASE (item 31)

This warning label is positioned in the front of upper frame.

- ▲ Grease is under high pressure. Grease coming out of the grease plug under pressure can penetrate the body causing injury or death.

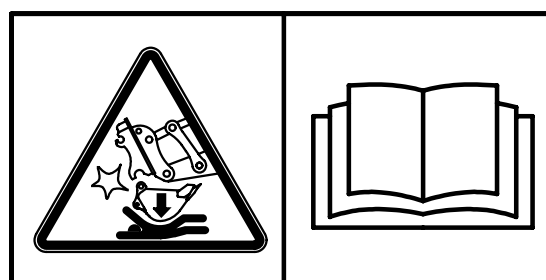


21070FW35

## 25) CLAMP-LOCKING (item 32)

This warning label is positioned on the right side window of cab.

- ▲ Serious injury or death can result from dropping bucket.
- ▲ Operating the machine with quick clamp switch unlocked or without safety pin of moving hook can cause the bucket to drop off.



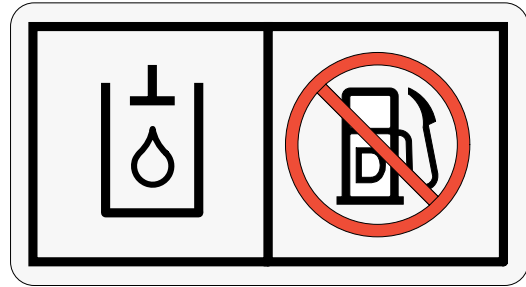
14070FW60



## 26) FUEL SHUT OFF (item 33)

This warning label is positioned on the hydraulic tank cover.

- ※ Fill only the hydraulic oil.
- ※ Do not fill the diesel fuel.

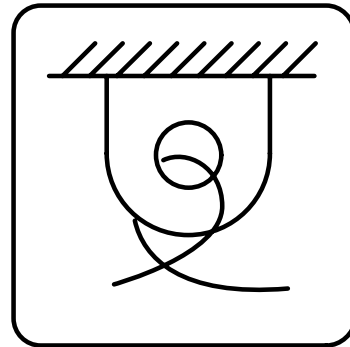


140WH90FW51

## 27) TIE (item 36)

This warning label is positioned on the lower frame.

- ▲ Never tow the machine using tie hole, because this may break.
- ▲ See page 4-24 for detail.

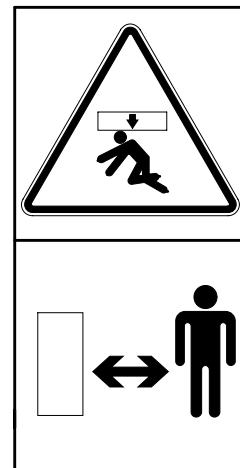


4507A0FW02

## 28) KEEP CLEAR-BOOM/ARM (item 37)

This warning label is positioned on both side of the arm.

- ▲ Serious injury or death can result from falling of the attachment.
- ▲ To prevent serious injury or death, keep clear the underneath of attachment.

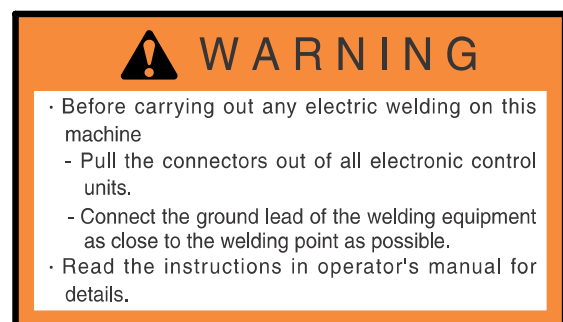


14070FW31

## 29) CONNECTOR (item 38)

This warning label is positioned on the battery cover.

- ▲ Before carrying out any electric welding on this machine, follow the below procedure.
  - Pull the connector out of all electric control units.
  - Connector the ground lead of the welding equipment as close to the welding point as possible.
- ※ See page 6-47 for detail.

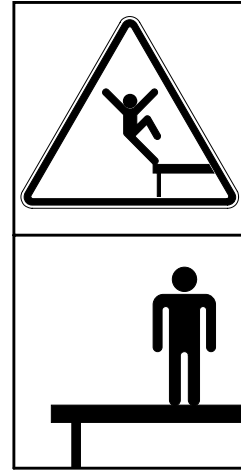


7807AFW20

### 30) FALLING (item 39)

This warning label is positioned on the top of the hydraulic tank.

- ▲ Falling is one of the major cause of personal injury.
- ▲ Be careful of slippery conditions on the platforms, steps and handrails when standing on the machine.

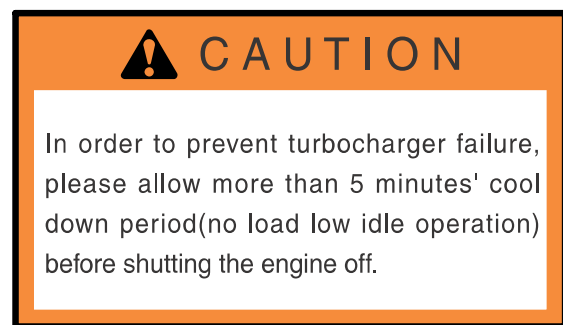


14070FW30

### 31) TURBOCHARGER (item 41)

This warning label is positioned on the right window of the cab.

- ▲ In order to prevent turbocharger failure, please allow more than 5 minutes' cool down period (no load low idle operation) before shutting the engine off.



7807AFW20

### 32) REFLECTING (item 42)

This warning label is positioned on the rear of counterweight.

- ▲ To prevent serious personal injury or death keep clear of machine swing radius.
- ▲ Do not deface or remove this label from the machine.



21090FW70

### 33) ACCUMULATOR (item 43)

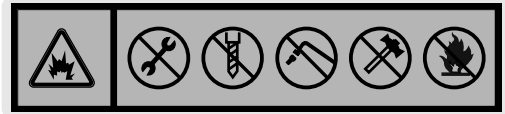
This warning label is positioned on the accumulator of the solenoid valve.

- ※ The accumulator is filled with high-pressure nitrogen gas, and it is extremely dangerous if it is handled in the wrong way. Always observe the following precautions.

⚠ Never make any hole in the accumulator expose it to flame or fire.

⚠ Do not weld anything to the accumulator.

- ※ When carrying out disassembly or maintenance of the accumulator, or when disposing of the accumulator, it is necessary to release the gas from the accumulator. A special air bleed valve is necessary for this operation, so please contact your Hyundai distributor.

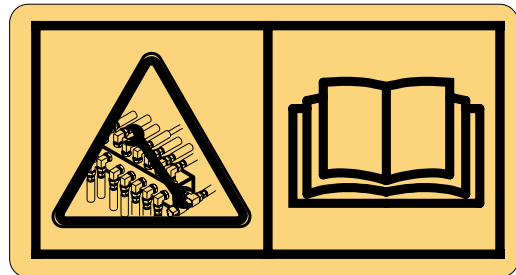


1107A0FW46

### 34) RCV LEVER PATTERN (item 44)

This warning label is positioned on the LH support.

- ※ See page 4-35 for details.

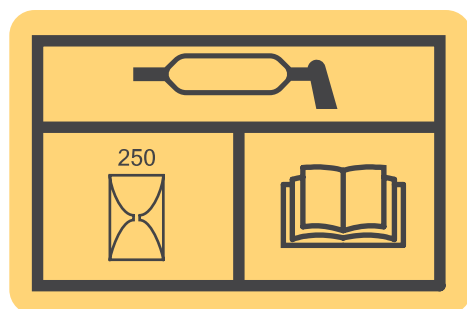


14W90FW47

### 35) SWING GREASE (item 46)

This warning label is positioned in the front of swing ring gear.

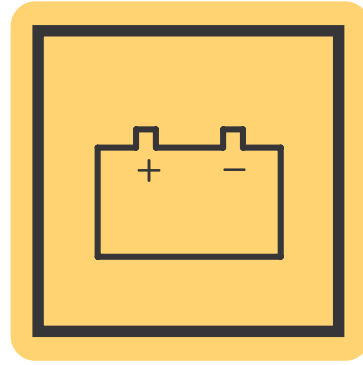
- ※ See page 6-38 for details.



38090FW04

### 36) BATTERY POSITION (item 47)

This warning label is positioned right side of tool box.

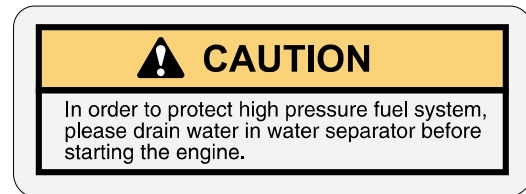


38090FW03

### 37) WATER SEPARATOR (item 48)

This warning label is positioned on the right side window of the cab.

**⚠ In order to protect high pressure fuel system, please drain water in water separator before starting the engine.**



210N90FW50

### 38) MCU CONNECTOR (item 45)

This warning label is positioned on the low cover of the air conditioner in the cab.

MCU communicates the machine data with Laptop computer through RS232 service socket.

※ See page 3-60 for details.



1409S0FW52

### 39) MACHINE CONTROL PATTERN (item 49)

This warning label is positioned inside of radiator screen plate.

⚠ **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 4-35 for details.

**⚠ WARNING**

- THE MACHINE CONTROL PATTERN CAN EASILY BE CHANGED TO THE "ISO TYPE" TO THE "A TYPE", TO THE "B TYPE" OR TO THE "C TYPE" BY CHANGING THE POSITION OF THE LEVER-PATTERN.
- BEFORE STARTING THIS MACHINE, CHECK THE LEVER PATTERN VALVE.

- REFER TO OPERATOR'S MANUAL FOR DETAILS.

**ISO TYPE**

POSITION OF LEVER-PATTERN :

LEFT CONTROL LEVER

RIGHT CONTROL LEVER

**A TYPE**

POSITION OF LEVER-PATTERN :

LEFT CONTROL LEVER

RIGHT CONTROL LEVER

**B TYPE**

POSITION OF LEVER-PATTERN :

LEFT CONTROL LEVER

RIGHT CONTROL LEVER

**C TYPE**

POSITION OF LEVER-PATTERN :

LEFT CONTROL LEVER

RIGHT CONTROL LEVER

2209S0FW21

0-16-1