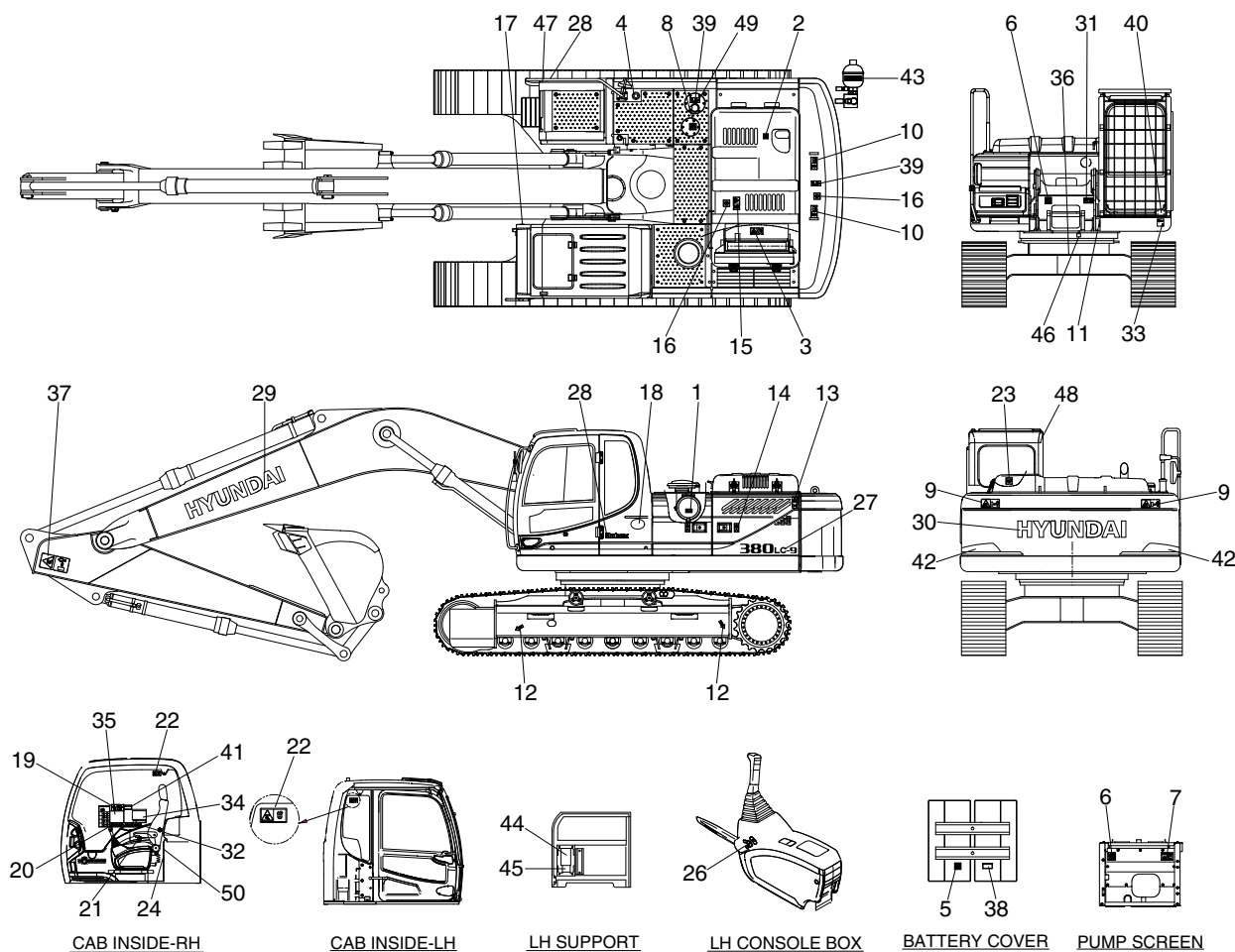


## SAFETY LABELS

### 1. LOCATION

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



38090SL01A

- |                         |                                      |                            |
|-------------------------|--------------------------------------|----------------------------|
| 1 Air cleaner filter    | 18 Low emission engine               | 36 Tie                     |
| 2 Turbocharger cover    | 19 Control ideogram                  | 37 Keep clear-Boom/arm     |
| 3 Radiator cap          | 20 Ref operator manual-Cab RH pillar | 38 ECU connector           |
| 4 Fueling               | 21 Hammer                            | 39 Falling                 |
| 5 Battery accident      | 22 Safety front window               | 40 FOPS FOG plate          |
| 6 High pressure hose    | 23 Emergency exit                    | 41 Turbocharger            |
| 7 Hydraulic oil level   | 24 Air conditioner filter            | 42 Reflecting              |
| 8 Hydraulic oil lub     | 26 Safety lever                      | 43 Accumulator             |
| 9 Keep clear-rear       | 27 Model name                        | 44 RCV lever pattern       |
| 10 Lifting eye          | 28 Logo (ROBEX)                      | 45 Machine control pattern |
| 11 Name plate           | 29 Trade mark (boom)                 | 46 Swing grease            |
| 12 Sliding ideogram     | 30 Trade mark (CWT)                  | 47 Battery position        |
| 13 Keep clear-side      | 31 Reduction gear grease             | 48 Beacon lamp             |
| 14 Stay fix             | 32 Locking-clamp                     | 49 Fuel shut off           |
| 15 Shearing-engine hood | 33 Noise level LWA                   | 50 MCU/ECM connector       |
| 16 No step              | 34 Service instruction               |                            |
| 17 Transporting         | 35 Lifting chart                     |                            |

## 2. DESCRIPTION

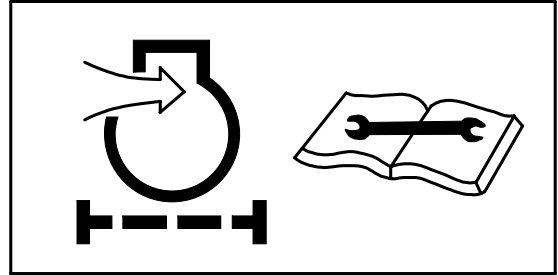
There are several specific warning labels on this machine please become familiarized with all warning labels.

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.**

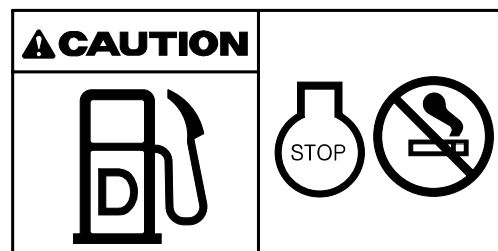


14070FW03

### 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.**

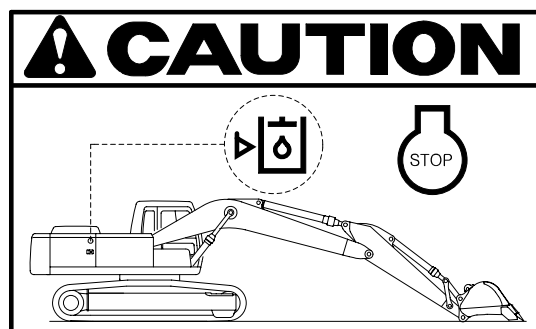


14070FW29

#### 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.

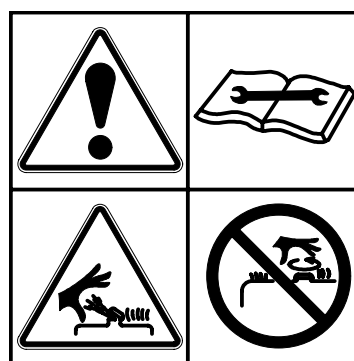


21070FW07

#### 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.

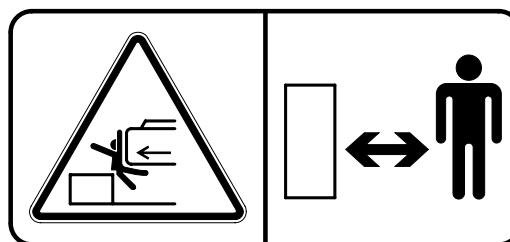


14070FW08

#### 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.

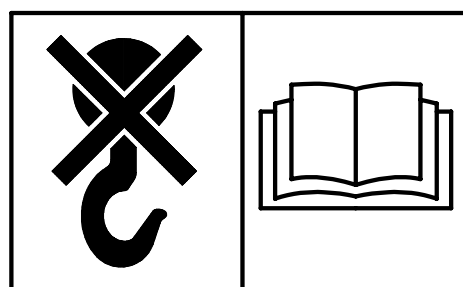


21090FW09

#### 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 5-7 for proper lifting method of the machine.

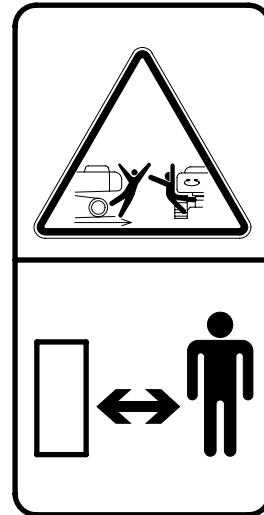


21070FW10

**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.**

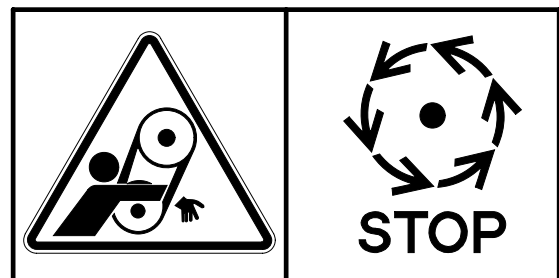


21070FW14

**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.**

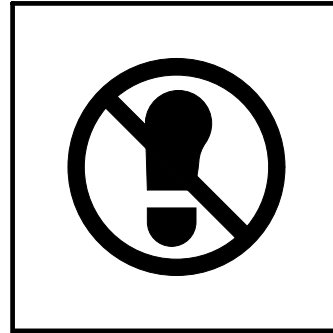


21070FW15

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.**

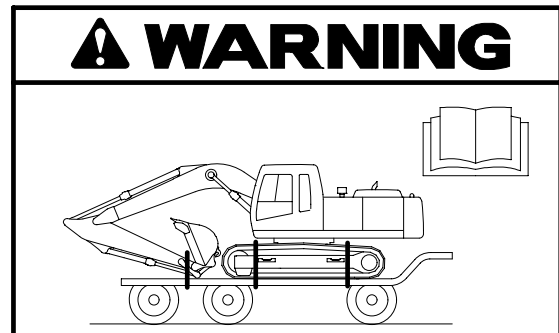


21070FW16

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 5-6 for details.

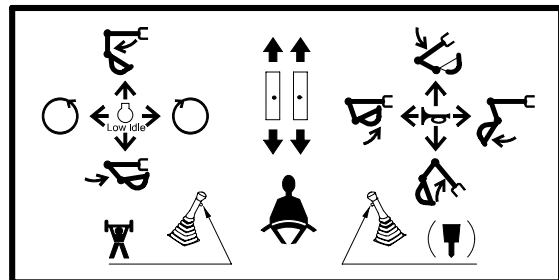


14070FW17

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 4-11 for details.

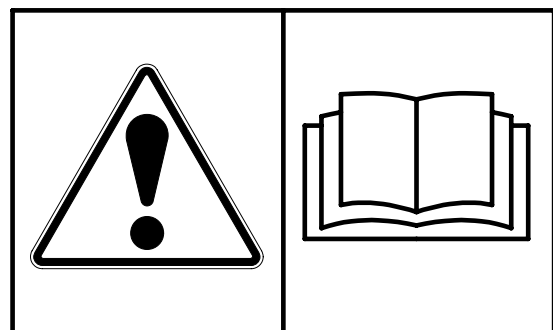


36070FW19

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.**



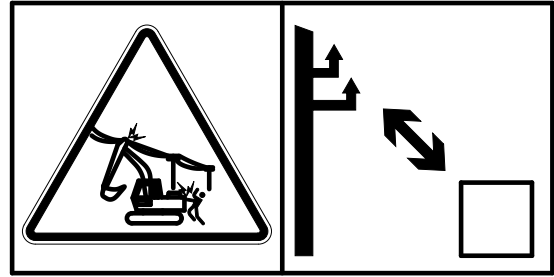
21070FW22

### 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.

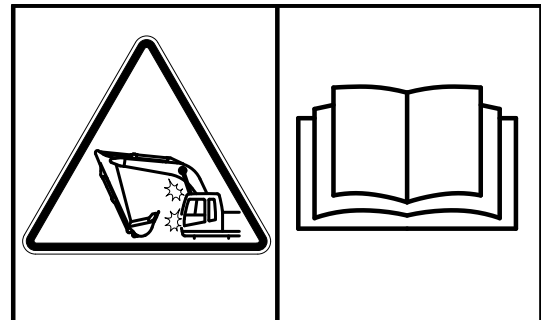


21070FW23

### 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.**

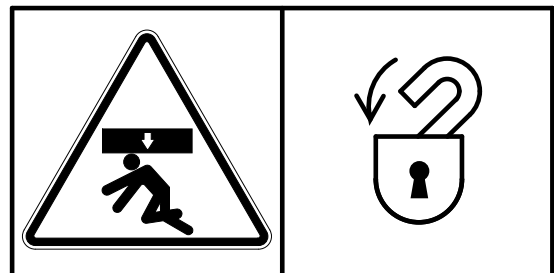


29090FW01

### 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) EMERGENCY EXIT (item 23)

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

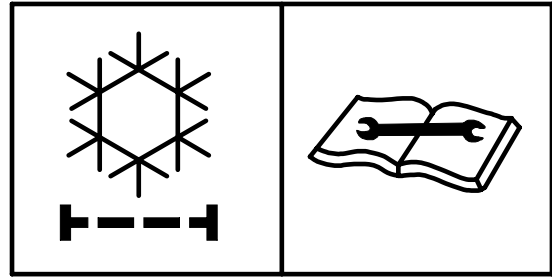
- ※ **The rear window serves us an alternate exit.**
- ※ **To remove rear window, pull the ring and push out the glass.**



## 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.

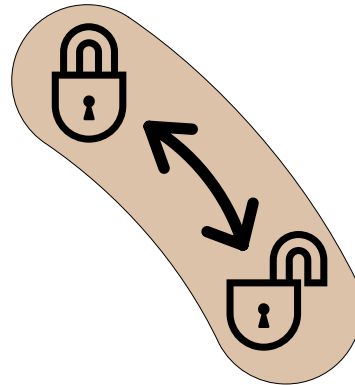


21070FW26

## 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.

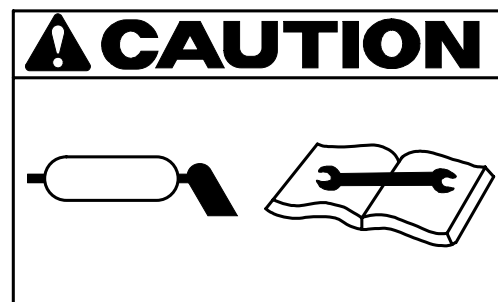


30007A1FW07A

## 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.

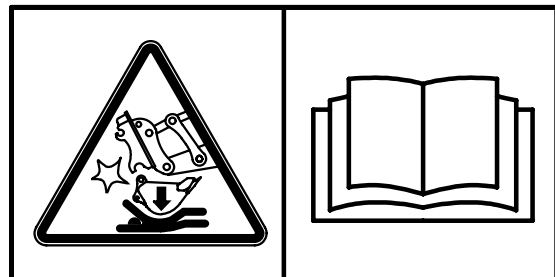


21070FW35

## 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.



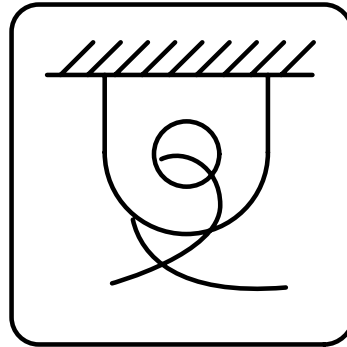
14070FW60



**26) 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 4-14 for detail.**



4507A0FW02

**27) 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.**

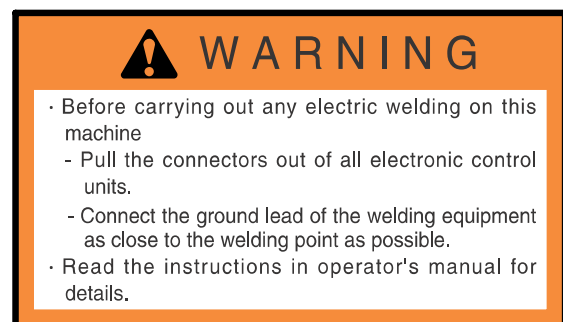


14070FW31

**28) ECU 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.
  - Connect the ground lead of the welding equipment as close to the welding point as possible.
- ※ **See page 6-44 for detail.**

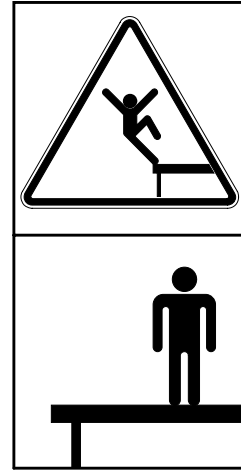


7807AFW20

### 29) 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.

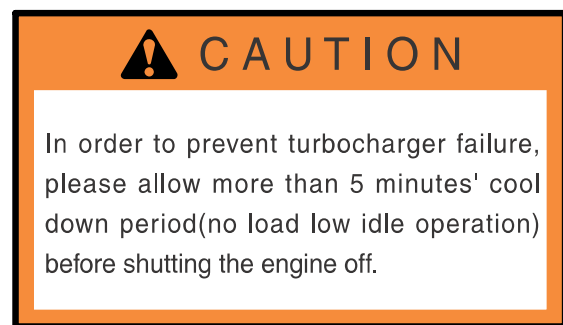


14070FW30

### 30) 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.

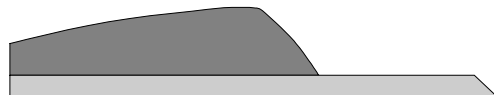


7807AFW20

### 31) 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.



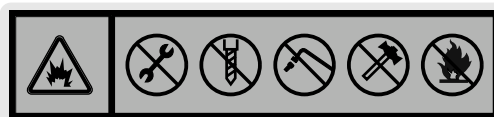
21090FW70

### 32) 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

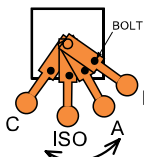
### 33) RCV lever pattern (item 44)

This warning label is positioned on the LH support.

- ▲ 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 4-11 for details.

**⚠ WARNING**

- THE MACHINE CONTROL PATTERN CAN EASILY BE CHANGED TO THE "ISO TYPE", "A TYPE", "C TYPE" OR "D TYPE" BY CHANGING THE POSITION OF THE LEVER-PATTERN.


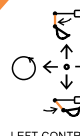


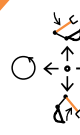


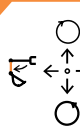



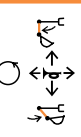


• BEFORE STARTING THIS MACHINE, CHECK THE LEVER PATTERN VALVE.

• HOW TO USE :

1. LOOSEN THE BOLT.
2. MOVE LEVER TO THE "ISO", "A", "C" OR "D" POSITION.
3. AFTER SETTING THE PATTERN, TIGHTEN THE BOLT.

• REFER TO OPERATOR'S MANUAL FOR DETAILS.

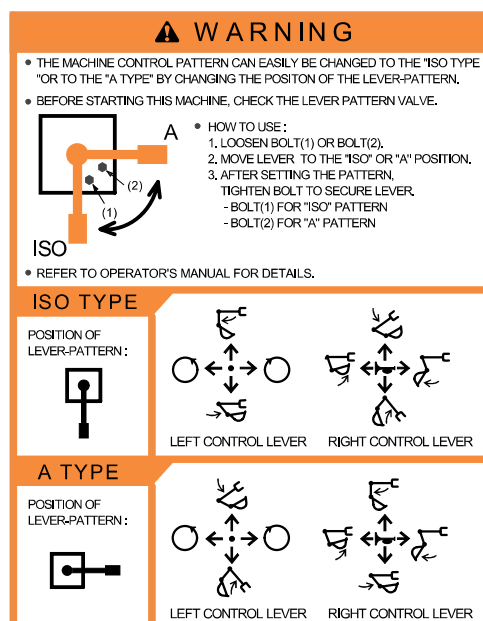
ISO TYPE	
POSITION OF LEVER-PATTERN : 	  LEFT CONTROL LEVER      RIGHT CONTROL LEVER
A TYPE	
POSITION OF LEVER-PATTERN : 	  LEFT CONTROL LEVER      RIGHT CONTROL LEVER
C TYPE	
POSITION OF LEVER-PATTERN : 	  LEFT CONTROL LEVER      RIGHT CONTROL LEVER
D TYPE	
POSITION OF LEVER-PATTERN : 	  LEFT CONTROL LEVER      RIGHT CONTROL LEVER

21090FW21

### 34) Machine control pattern (item 45)

This warning label is positioned on the LH support.

- ⚠ 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.

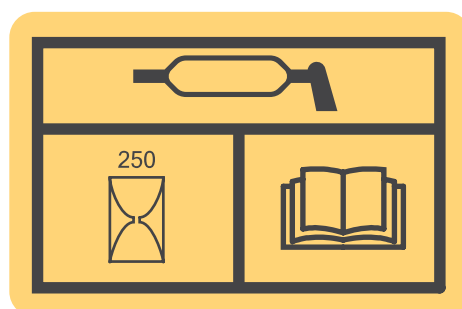


38090FW01A

### 35) Swing grease (item 46)

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

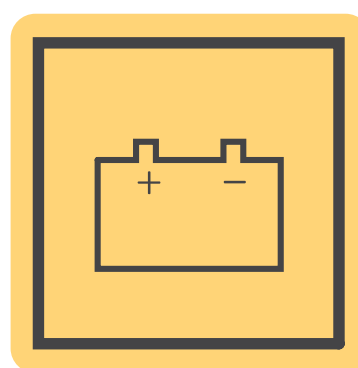
- ※ See page 6-35 for details.



38090FW04

### 36) Battery position (item 47)

This warning label is positioned right side of tool box.



38090FW03

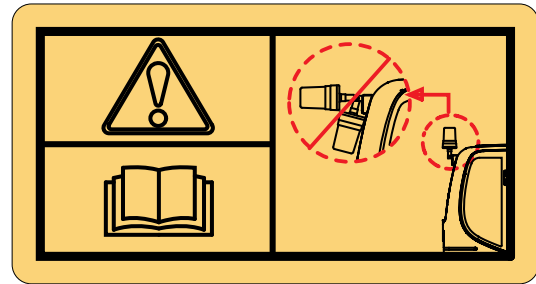
### 37) BEACON LAMP (item 48)

This warning label is positioned on the center outside of the cabin.

- ※ **Make sure the beacon lamp maintains a vertical position.**

A horizontal position can result in a decrease in life time of the lamp due to the infiltration of foreign substances such as dust or water.

- ※ **While the machine transfer, the beacon lamp is easy to break. In that case, change the position of the lamp to the horizontal.**

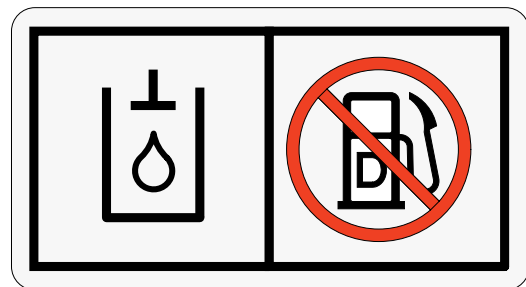


140Z90FW49

### 38) FUEL SHUT OFF (item 49)

This warning label is positioned on the left side of the hydraulic tank.

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



140WH90FW51

### 39) MCU/ECM CONNECTOR (item 50)

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.**
- ※ **ECM communicates the engine data with cummins INSITE tool adapter through J1939 service socket.**
- ※ **See page 3-48 for details.**



235Z90FW52