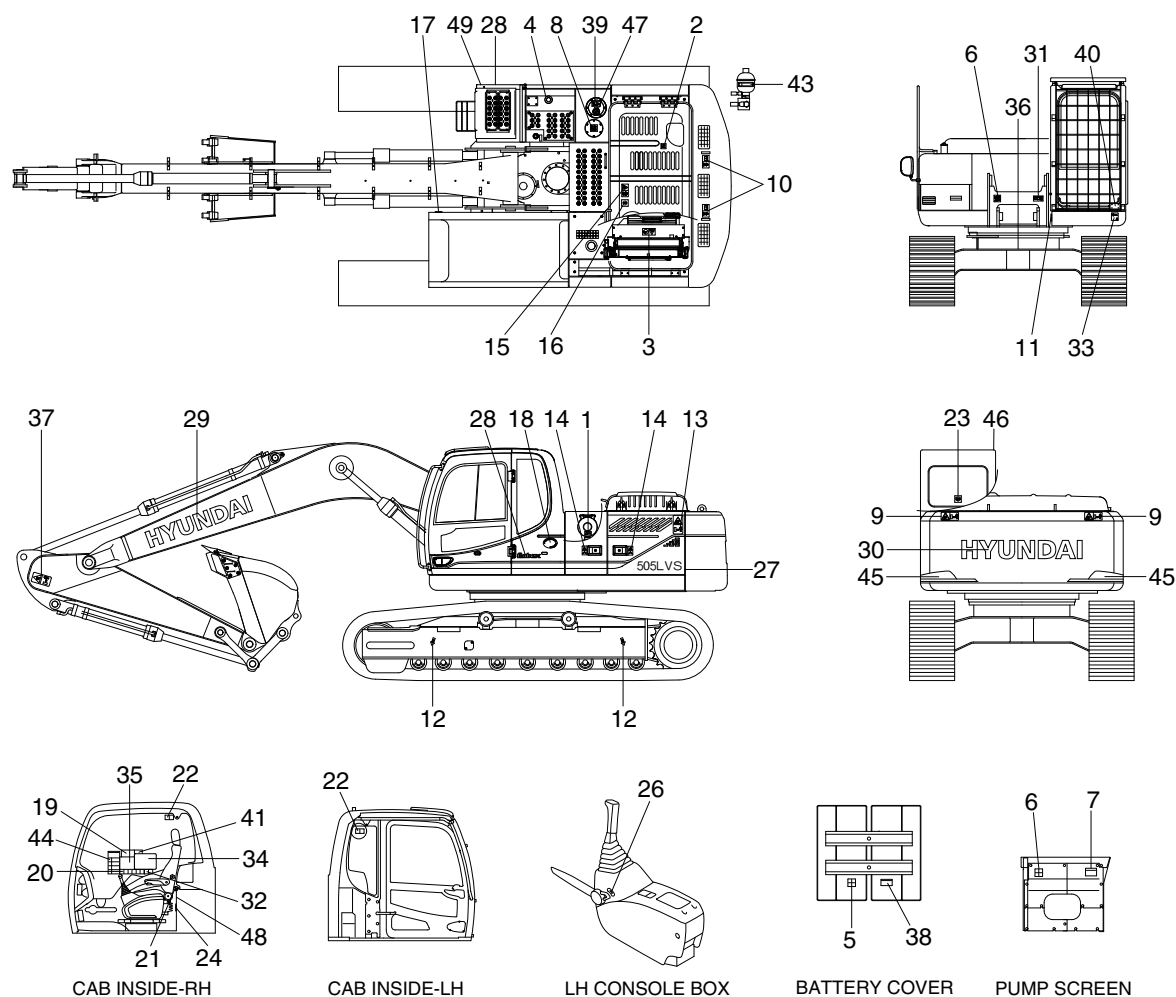


# SAFETY LABELS

## 1. LOCATION

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



25090SL01

- |                         |                           |                          |
|-------------------------|---------------------------|--------------------------|
| 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 Cabin, RH pillar       | 37 Keep clear-boom/arm   |
| 5 Battery accident      | 21 Hammer                 | 38 ECU connector         |
| 6 High pressure hose    | 22 Safety front window    | 39 Falling               |
| 7 Hydraulic oil level   | 23 Alternate exit         | 40 FOPS FOG plate        |
| 8 Hydraulic oil lub     | 24 Air conditioner filter | 41 Turbocharger          |
| 9 Keep clear-rear       | 26 Safety lever           | 43 Accumulator           |
| 10 Lifting eye          | 27 Model name             | 44 Machine control/cabin |
| 11 Name plate           | 28 Logo (ROBEX)           | 45 Reflecting            |
| 12 Sliding ideogram     | 29 Trade mark (boom)      | 46 Beacon lamp           |
| 13 Keep clear-side      | 30 Trade mark (CWT)       | 47 Fuel shut off         |
| 14 Stay fix             | 31 Reduction gear grease  | 48 MCU/ECM connector     |
| 15 Shearing-engine hood | 32 Locking-clamp          | 49 Battery position      |
| 16 No step-engine hood  | 33 Noise level LWA        |                          |

## 1. LOCATION

[illegible]

8	9BQ6-71170	DECAL-TURBO CHARGER COVER	1	
7	9BQB-19860	DECAL-SERVICE INSTRUCTION	1	HMO6 OR HMO7
6	9BQ6-71220	DECAL-BEACON LAMP	1	EF01 OR EF10
5	9BE1-30300	NAME PLATE	1	ZD13
4	9BQB-19810	DECAL-LIFTING CHART	1	BMO1 AM17 BK15
3	91EK-12010	RIVET	6	

2-16	91K8-07020	DECAL-REFLECTOR/ARM-RH	1	
2-15	91K8-07010	DECAL-REFLECTOR/ARM-LH	1	
2-14	9BQ6-71140	DECAL-STAY FIX	3	
2-13	9BQ6-71070	DECAL-NO STEP	2	
2-12	9BQ6-71090	DECAL-FALLING	2	
2-11	91Q4-15860	DECAL-MCU/ECU CONNECTOR	1	
2-10	9BM7-01060	DECAL-FUELING-CHINA	1	
2-9	9BQ6-71200	DECAL-KEEP CLEAR/SIDE	2	
2-8	9BQ6-71190	DECAL-KEEP CLEAR/REAR	2	
2-7	9BQ6-71160	DECAL-KEEP CLEAR/ATTACH	2	
2-6	9BN6-70070	DECAL-REFLECTING-RH	1	
2-5	9BN6-70060	DECAL-REFLECTING-LH	1	
2-4	9BN6-70050	DECAL-HYUNDAI LOGO	1	
2-3	9BQB-19220	DECAL-HYUNDAI LOGO	2	
2-2	9BN6-70100	DECAL-LOGO-ROBEX	2	
2-1	9BQB-19211	DECAL-MODEL NAME	2	
2	9BQB-19230	DECAL KIT(B)-CHINA		

1-32	94K5-04340	DECAL-ELEC CAUTION-CHINA	1	
1-31	91Q6-03240	DECAL-SWING BEARING	1	
1-30	9BQ6-71210	DECAL-RCV/LEVER PATTERN	1	
1-29	9BQ6-71110	DECAL-CABIN RH PILLAR(LC)	1	
1-28	91N6-07122	DECAL-SHEARING-CHINA	1	
1-27	91Q4-07180	DECAL-WATER SEPARATOR	1	
1-26	9BQ6-71150	DECAL-LIFTING EYE	2	
1-25	91N6-03121	DECAL-R/GEAR GREASE-CHINA	1	
1-24	91N6-07141	DECAL-TRANSPORTING-CHINA	1	
1-23	91N6-03102	DECAL-HYD. OIL LEVEL-CHINA	1	
1-22	9BM7-01090	DECAL-ECU CONNECTOR-CHINA	1	
1-21	91N6-07390	DECAL-TURBOCHARGER-CHINA	1	
1-20	9BM8-70360	DECAL-SAFETY SEAT	1	
1-19	91Q6-01230	DECAL-DIRECTION	2	
1-18	9BQ6-71130	DECAL-CAUTION KEY OFF	1	
1-17	91Q6-07290	DECAL-FIRE EXTINGUISHER	1	
1-16	91Q6-07280	DECAL-HAMMER	1	
1-15	9KM9-07260	DECAL-SAFETY RR WINDOW	1	
1-14	9BQ6-71120	DECAL-SAFETY FR/WINDOW	2	
1-13	91E1-27110	DECAL-LOW EMISSION ENG	1	
1-12	9BQ6-71050	DECAL-TURBO COVER	1	
1-11	91N6-01102	DECAL-AIR CLEANER	1	
1-10	9BM8-70280	DECAL-ACCUMULATOR	1	
1-9	91N6-05120	DECAL-TIE	2	
1-8	91N6-07272	DECAL-AIRCON FILTER	1	
1-7	9BN6-07310	DECAL-SAFETY LEVER	1	
1-6	91N6-07201	DECAL-CONTROL IDEOGRAM	1	
1-5	91N6-05110	DECAL-SLINGING IDEOGRAM	4	
1-4	9BQ6-71020	DECAL-H/PRESSURE HOSE	2	
1-3	9BQ6-71100	DECAL-HYD. OIL LUB.	1	
1-2	9BQB-49130	DECAL-RADIATOR	1	
1-1	9BQ6-71010	DECAL-BATT. ACCIDENT	1	
1	9BQB-49111	DECAL KIT(A)-CHINA		
ITEM	PART Q.	PART AME	Q' TY	OPT ID

## 2. DESCRIPTION

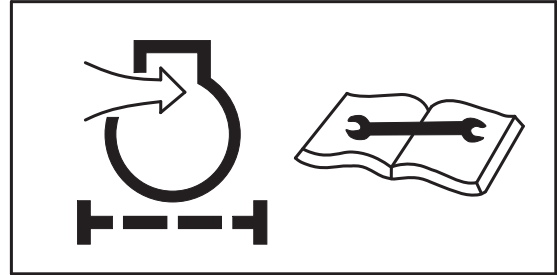
There are several specific warning labels on this machine please become familiarized with all warning labels.

Replace any safety label that is damaged, or missing.

### 1) AIR CLEANER FILTER (item 1 or No.1-11)

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.**



### 2) TURBOCHARGER COVER (item 2 or No.8)

This warning label is positioned on the turbocharger cover.

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



### 3) RADIATOR CAP (item 3 or No. 1-2)

This warning label is positioned on the radiator.

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



### 4) FUELING (item 4 or No.2-10)

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.**



**5) BATTERY ACCIDENT (item 5 or No. 1-1)**

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.**



**6) HIGH PRESSURE HOSE (item 6 or No. 1-4)**

This warning label is positioned on the screen plate.

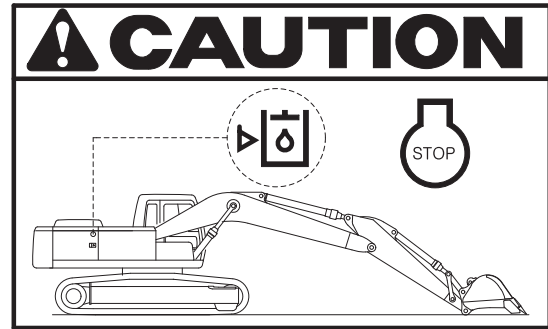
- ⚠ **Escaping fluid under pressure can penetrate the skin causing serious injury.**
- ※ **Study the service manual before service job.**



**7) HYDRAULIC OIL LEVEL** (item 7 or No. 1-23)

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.



**8) HYDRAULIC OIL LUBRICATION** (item 8 or No. 1-3)

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

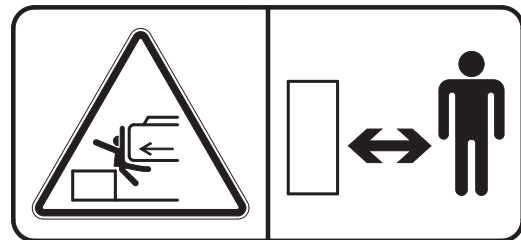
- ※ Do not mix with different brand oils.
- ▲ Never open the filler cap while high temperature.
- ▲ Loosen the cap slowly and release internal pressure completely.



**9) KEEP CLEAR** (item 9 or No. 2-8)

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.



**10) LIFTING EYE** (item 10 or No. 1-26)

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 5-8 for proper lifting method of the machine.



**11) SIDE KEEP CLEAR** (item 13 or No. 2-9)

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.**



**12) STAY FIX** (item 14 or No. 2-14)

This warning label is positioned on the side cover.

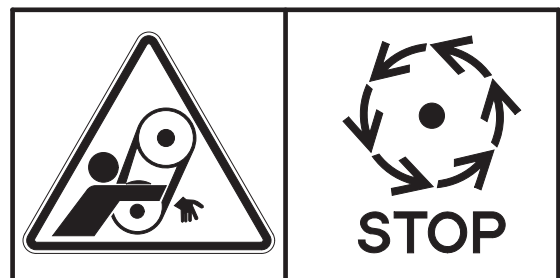
- ⚠ **Be sure to support the stay when the door needs to be opened.**
- ⚠ **Be careful that the opened door may be closed by the external or natural force like strong wind.**



**13) SHEARING-ENGINE HOOD** (item 15 or No. 1-28)

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.**



**14) NO STEP-ENGINE HOOD (item 16 or No. 2-13)**

This warning label is positioned on the engine hood.

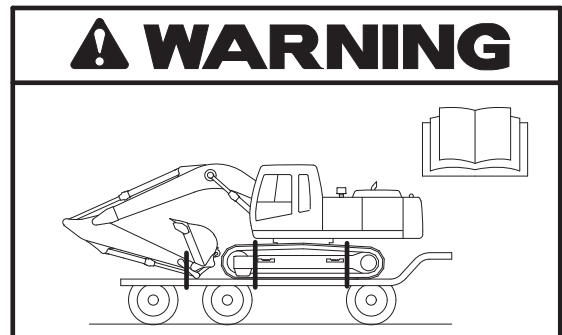
- △ Don't step on the engine hood.



**15) TRANSPORTING (item 17 No. 1-24)**

This warning label is positioned right side of upper frame.

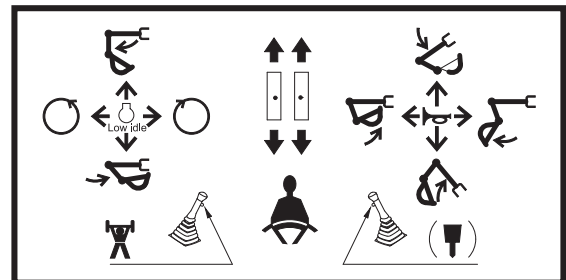
- ▲ Study the operator's manual before transporting the machine, if provided and tie down arm and track to the carrier with lashing wire.  
See page 5-7 for details.



**16) CONTROL IDEOGRAM (item 19 or No. 1-6)**

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.





**17) CABIN, RH PILLAR** (item 20 or No. 1-29)

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

**(1) SAFETY-FRONT WINDOW**

- ▲ Be careful that the window maybe promptly closed.

**(2) REF OPERATOR MANUAL**

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

**(3) MAX HEIGHT**

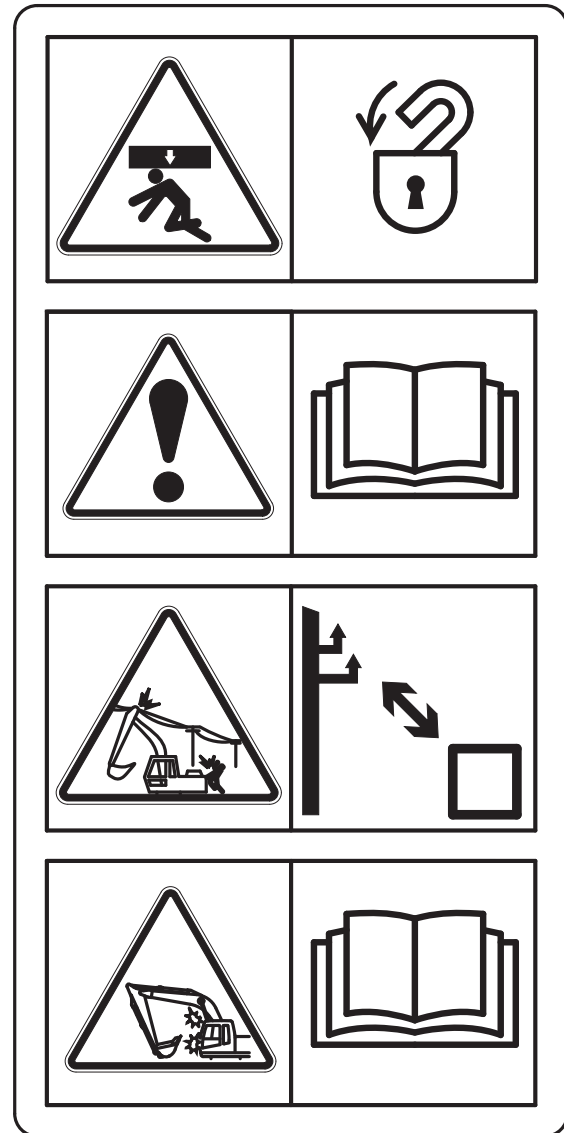
- ▲ Serious injury or death can result from contact with electric lines.

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.

**(4) INTERFERENCE**

- ▲ Be careful to operate machine equipped with quick clamp or extensions.

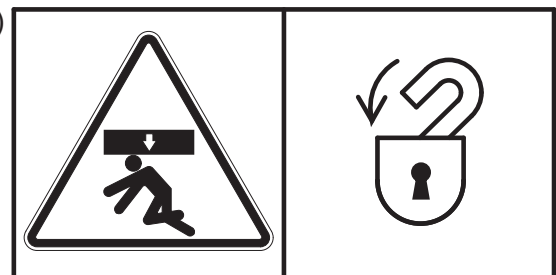
Bucket may hit cab or boom, boom cylinders when it reached vicinity of them.



**18) SAFETY FRONT WINDOW** (item 22 or No. 1-14)

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

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



19) **HAMMER** (item 23 or No. 1-16)

This warning label is positioned in the cockpit right center by the window.

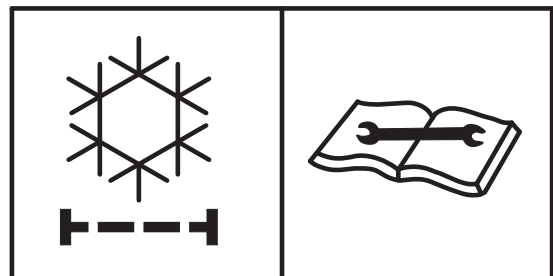
- ※ **In case of emergency, use escape hammer to break the window for escape.**



20) **AIR CONDITIONER FILTER** (item 24 or No. 1-8)

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.**



21) **SAFETY LEVER** (item 26 or No. 1-7)

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

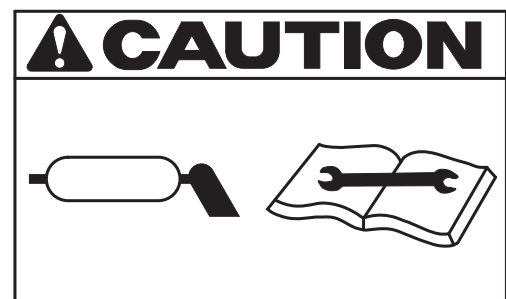
- ⚠ **Before you get off the machine be sure to place the safety lever LOCKED position.**



22) **REDUCTION GEAR GREASE** (item 31 or No. 1-25)

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

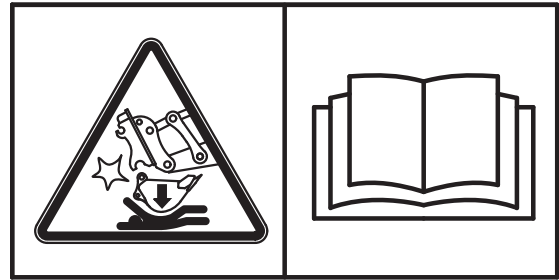
- ⚠ **Grease is under high pressure.**  
**Grease coming out of the grease plug under pressure can penetrate the body causing injury or death.**



### 23) CLAMP-LOCKING (item 32)

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

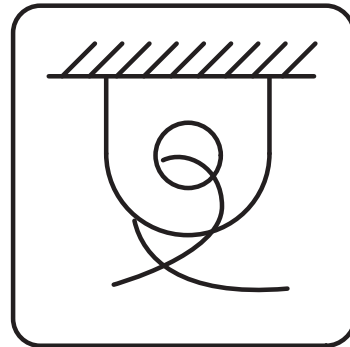
- ⚠ **Serious injury or death can result from dropping bucket.**
- ⚠ **Operating the machine with quick clamp switch unlocked or without safety pin of moving hook can cause the bucket to drop off.**



### 24) TIE (item 36 or No.1-9)

This warning label is positioned on the lower frame.

- ⚠ **Make sure no personal are standing close to the tow rope.**
- ⚠ **See page 4-14 for detail.**



### 25) KEEP CLEAR-BOOM/ARM (item 37 or No. 2-7)

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

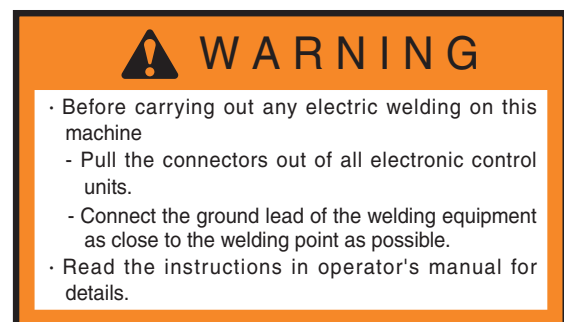
- ⚠ **Serious injury or death can result from falling of the attachment.**
- ⚠ **To prevent serious injury or death, keep clear the underneath of attachment.**



### 26) ECU CONNECTOR (item 38 or No. 1-22)

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 6-41 for detail.**



## 27) FALLING (item 39 or No. 2-12)

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

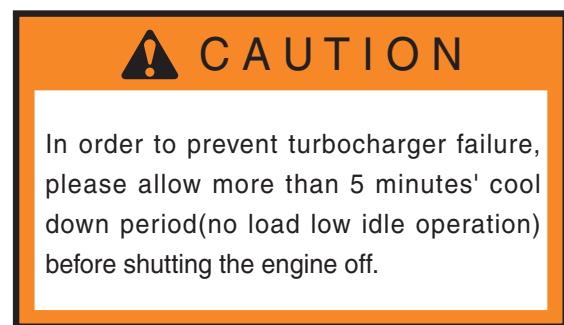
- ⚠ Falling is one of the major cause of personal injury.
- ⚠ Be careful of slippery conditions on the platforms, steps and handrails when standing on the machine.



## 28) TURBOCHARGER (item 41 or No. 1-21)

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.



## 29) ACCUMULATOR (item 43 or No. 1-10)

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.



**30) FIRE EXTINGUISHER** (item 44 or No. 1-17)

The tag is located on the rear left side of the cockpit

- ※ Read and understand the instructions on the fire extinguisher label



**31) REFLECTING** (item 45 or No. 2-5,2-6)

This warning label is positioned on the rear of counterweight.

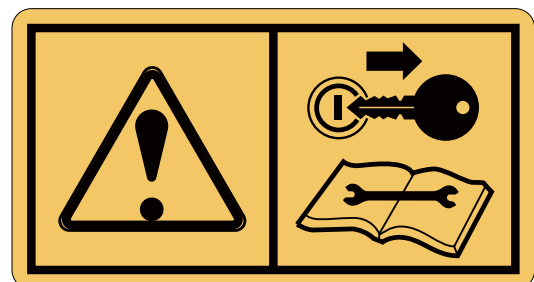
- ▲ To prevent serious personal injury or death keep clear of machine swing radius.
- ▲ Do not deface or remove this label from the machine.



**32) KEY OFF ALERT** (item 46)

This warning label is located in the right side window of the cab

- ※ Park the machine on flat ground for inspection and maintenance (Take out the start key)

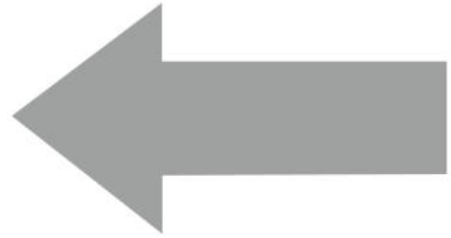


- ※ Take extra care when performing maintenance work

**33) WALKING FORWARD MARKER** (item 47 or No. 1-19)

This label is on the side frame of the lower frame at the guide wheel.

- ※ The arrow indicates the direction in which the excavator is moving



**34) MCU/ECM CONNECTOR** (item 48 or No. 2-11)

This warning label is installed on the air conditioning cover of the cab.

- ※ Through RS232 interface, data communication can be carried out between laptop computer and MCU.
- ※ The J1939 interface enables data communication between the Cummins INSITE diagnostic adapter and the ECM.



**35) BATTERY POSITION** (item 49)

This warning label is positioned in the left side cover.

- ⚠ **Battery gas can explode. Keep sparks and flames away from the batteries.**
- ※ See page 6-40 for the battery handling.

