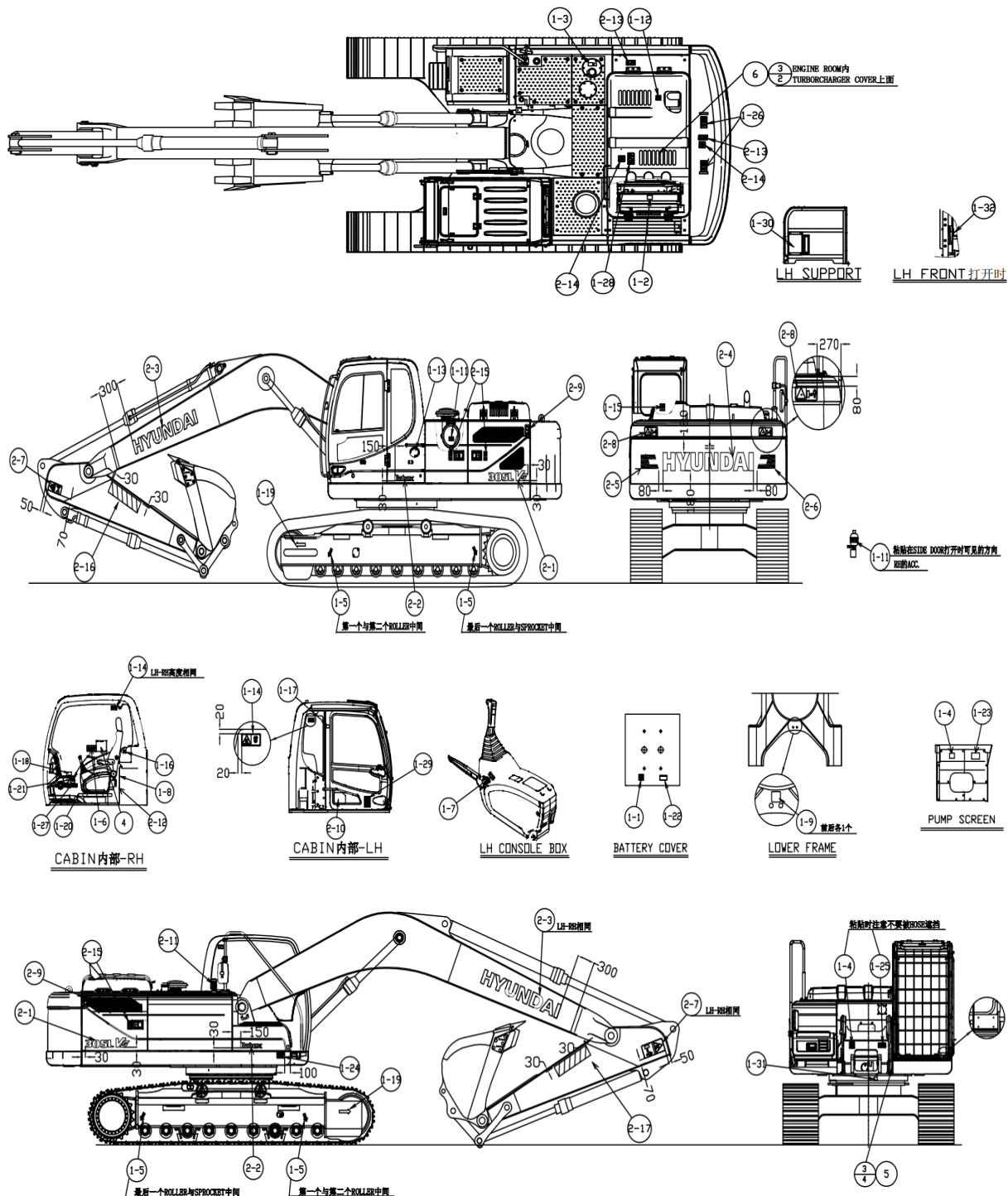


# SAFETY LABELS

## 1. LOCATION

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



EM	PART NAME	Q' TY	OPTION
1-32	DECAL-FUSE CAUTION	1	
1-31	DECAL-SWING BEARING	1	
1-30	DECAL-RCV/LEVER PATTERN	1	
1-29	DECAL-CABIN RH PILLAR(LC)	1	
1-28	DECAL-SHEARING	1	
1-27	DECAL-WATER SEPARATOR	1	
1-26	DECAL-LIFTING EYE	2	
1-25	DECAL-R/GEAR GREASE	1	
1-24	DECAL-TRANSPORTING	1	
1-23	DECAL-HYD. OIL LEVEL	1	
1-22	DECAL-ECU CONNECTOR	1	
1-21	DECAL-TURBOCHARGER	1	
1-20	DECAL-SAFETY SEAT	1	
1-19	DECAL-DIRECTION	2	
1-18	DECAL-CAUTION KEY OFF	1	
1-17	DECAL-FIRE EXTINGUISHER	1	
1-16	DECAL-HAMMER	1	
1-15	DECAL-SAFETY RR WINDOW	1	
1-14	DECAL-SAFETY FR/WINDOW	2	
1-13	DECAL-LOW EMISSION ENG	1	
1-12	DECAL-TURBO COVER	1	
1-11	DECAL-AIR CLEANER	1	
1-10	DECAL-ACCUMULATOR	1	
1-9	DECAL-TIE	2	
1-8	DECAL-AIRCON FILTER	1	
1-7	DECAL-SAFETY LEVER	1	
1-6	DECAL-CONTROL IDEOGRAM	1	
1-5	DECAL-SLINGING IDEOGRAM	4	
1-4	DECAL-H/PRESSURE HOSE	2	
1-3	DECAL-HYD. OIL LUB.	1	
1-2	DECAL-RADIATOR	1	
1-1	DECAL-BATT. ACCIDENT	1	
1	DECAL KIT(A)-CHINA		

EM	-PART-NAME	Q' TY	OPTION
2-17	DECAL-REFLECTOR/RH	1	
2-16	DECAL-REFLECTOR/LH	1	
2-15	DECAL-STAY FIX	3	
2-14	DECAL-NO STEP	2	
2-13	DECAL-FALLING	2	
2-12	DECAL-MCU/ECU CONNECTOR	1	
2-11	DECAL-FUELING-CHINA	1	
2-10	DECAL-SERVICE INSTRUCTION	1	
2-9	DECAL-KEEP CLEAR/SIDE	2	
2-8	DECAL-KEEP CLEAR/REAR	2	
2-7	DECAL-KEEP CLEAR/ATTACH	2	
2-6	DECAL-REFLECTING-RH	1	
2-5	DECAL-REFLECTING-LH	1	
2-4	DECAL-HYUNDAI LOGO	1	
2-3	DECAL-HYUNDAI LOGO	2	
2-2	DECAL-LOGO-ROBEX	2	
2-1	DECAL-MODEL NAME	2	
2	DECAL KIT(B)-CHINA		

EM	PART NAME	Q' TY	OPTION
6	DECAL-TURBO CHARGER COVER	1	
5	NAME PLATE	1	
4	DECAL-LIFTING CHART	1	
3	RIVET	6	

## 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 1-11)

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 1-12)

This warning label is positioned on the turbo-charger cover.

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



### 3) RADIATOR CAP (item 1-2)

This warning label is positioned on the radiator.

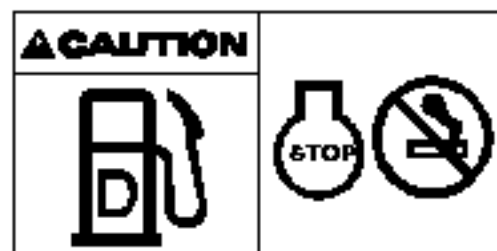
- ▲ Never open the filler cap while engine running or at high coolant temperature.



### 4) FUELING (item 2-11)

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 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 bat-

⚠ **tery terminal with a wet hand.**



#### 6) HIGH PRESSURE HOSE (item 1-4)

This warning label is positioned on the screen plate.

⚠ **Escaping fluid under pressure can penetrate the skin causing serious injury.**

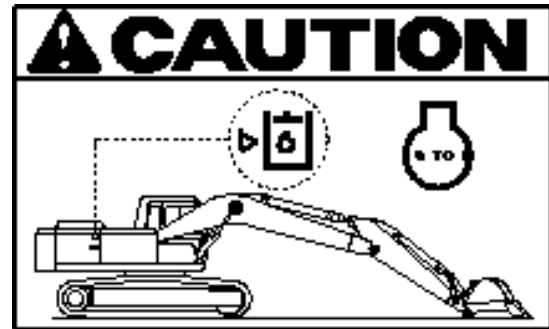
※ **Study the service manual before service job.**



7) **HYDRAULIC OIL LEVEL** (item 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 1-3)

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

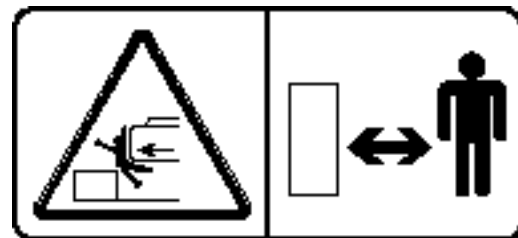
- ※ Do not mix with different brand oils.
- ▲ Never open the filler cap while high temperature.
- ▲ Loosen the cap slowly and release internal pressure completely.



9) **KEEP CLEAR** (item 2-8)

This warning label is positioned on the rear of counterweight.

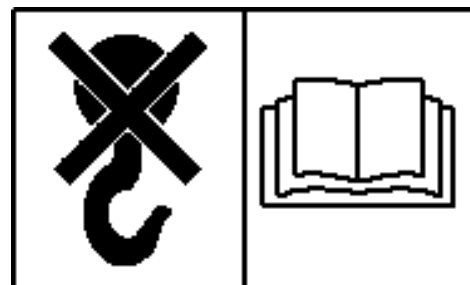
- ▲ To prevent serious personal injury or death keep clear of machine swing radius.
- Do not deface or remove this label from the machine.



10) **LIFTING EYE** (item 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 5-7 for proper lifting method of the machine.



11) **SIDE KEEP CLEAR** (item 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 2-15)

This warning label is positioned on the side cover.

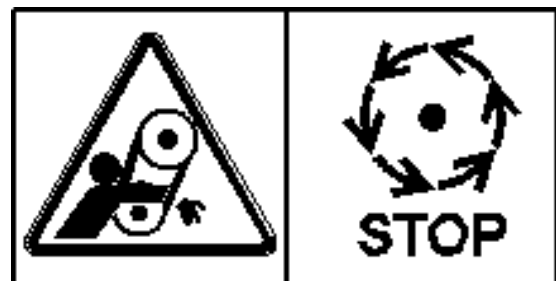
- ▲ Be sure to support the stay when the door needs to be opened.
- ▲ Be careful that the opened door may be closed by the external or natural force like strong wind.



13) **SHEARING-ENGINE HOOD** (item 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** (item 2-14)

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

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



15) **TRANSPORTING** (item 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 5-6 for details.



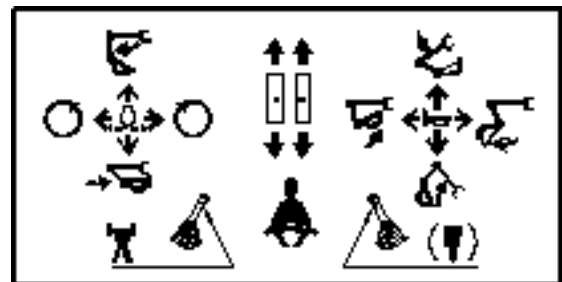
16) **CONTROL IDEOGRAM** (item 1-6)

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.**

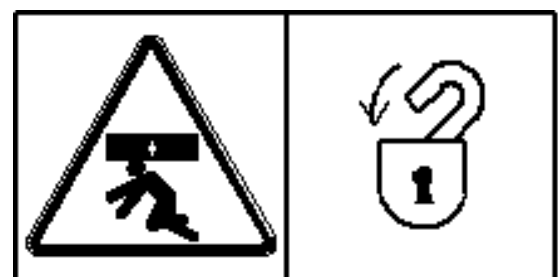
See page 4-11 for details.



17) **SAFETY FRONT WINDOW** (item 1-15)

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

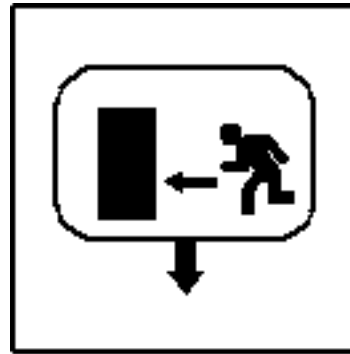
- ▲ **Be careful that the front window may be promptly closed.**



**18) ALTERNATE EXIT (item 1-15)**

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

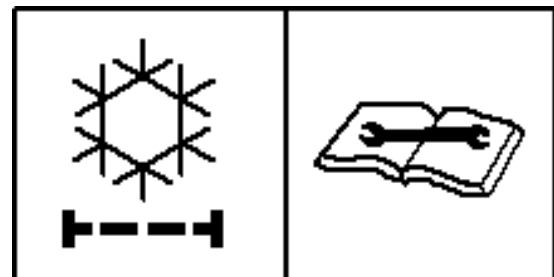
- ※ The rear window serves us an alternate exit.
- To remove rear window, pull the ring and
- ※ push out the glass.



**19) AIR CONDITIONER FILTER (item 1-8)**

This warning label is positioned on the air conditioner cover.

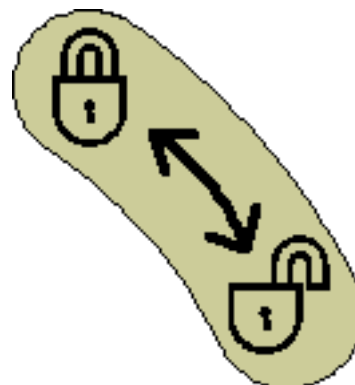
- ※ Periodic and proper inspection, cleaning and change of filter prolong air conditioner life time and maintain good performance.



**20) SAFETY LEVER (item 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.



**21) REDUCTION GEAR GREASE (item 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.

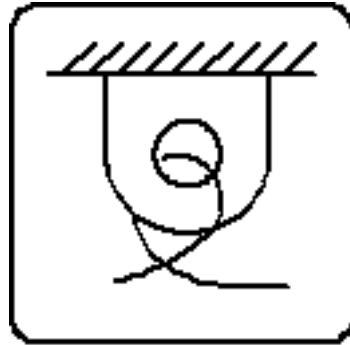




22) TIE (item 1-9)

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.**



23 KEEP CLEAR-BOOM/ARM (item 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.**



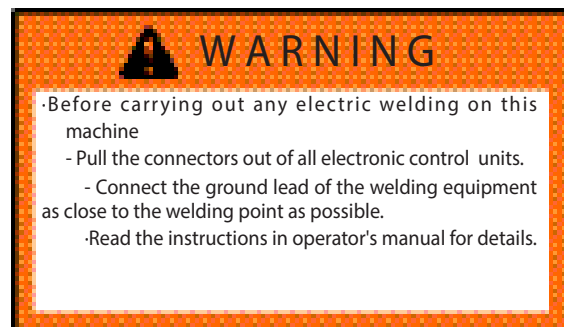
24) ECU CONNECTOR (item 1-22)

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 6-44 for detail.**



**25) FALLING** (item 2-13)

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

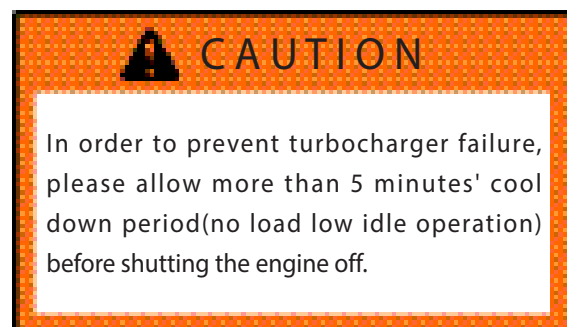
- ▲ **Falling is one of the major cause of personal injury.**
- ▲ **Be careful of slippery conditions on the platforms, steps and handrails when standing on the machine.**



**26) TURBOCHARGER** (item 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.**



**27) REFLECTING** (item 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.
- ▲ machine.



## 28) ACCUMULATOR (item 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.



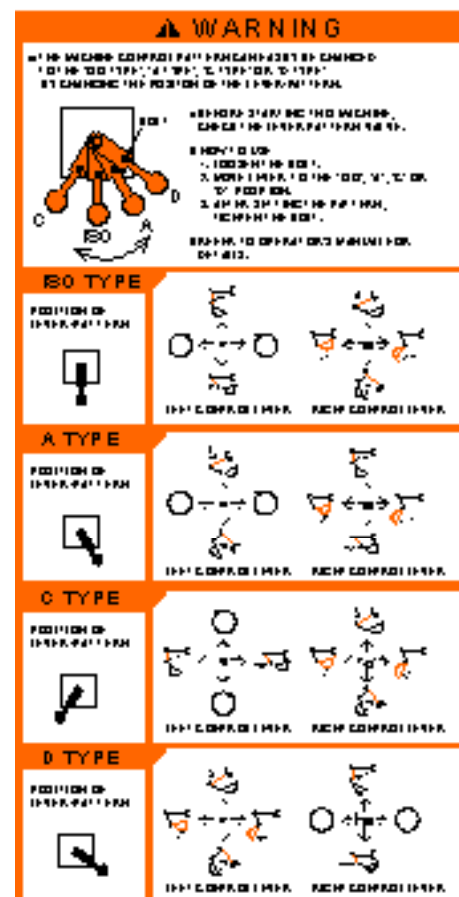
## 29) RCV lever pattern (item 1-30)

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.

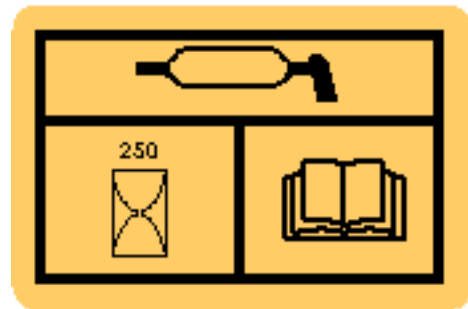
- ※ See page 4-11 for details.



**30) Swing bearing (item 1-31)**

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

※ See page 6-35 for details.



**31) MCU/ECM CONNECTOR (item 2-12)**

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 tool adapter through J1939 service socket.

※ See page 3-53 for details.

