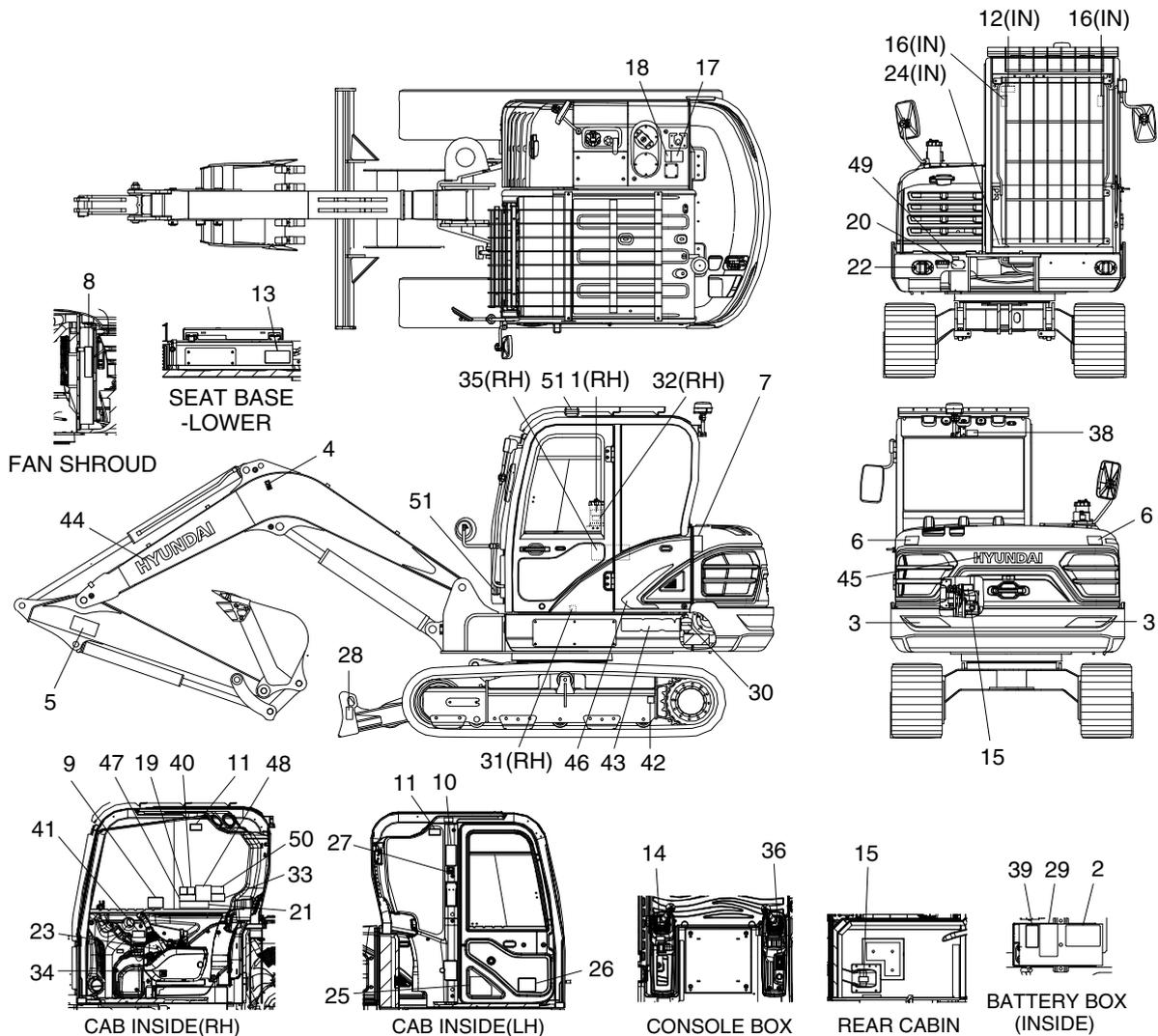


# SAFETY LABELS

## 1. LOCATION

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



90MN-20300

- |                              |                          |                                 |
|------------------------------|--------------------------|---------------------------------|
| 1 Fueling                    | 18 Fuel shut off         | 35 Bio oil                      |
| 2 Battery accident           | 19 Emergency exit        | 36 Control ideogram-dozer       |
| 3 Reflecting                 | 20 Name plate            | 38 Beacon lamp                  |
| 4 Lifting point ideogram     | 21 General warning-frame | 39 Leftover fuel                |
| 5 Keep clear-att             | 22 Indicate-grease       | 40 Control ideogram-angle dozer |
| 6 Keep clear-rear            | 23 Safety knob           | 41 Caution key                  |
| 7 Keep clear-side            | 24 ROPS plate            | 42 Tie                          |
| 8 Engine room caution        | 25 Service instruction   | 43 Model name                   |
| 9 Control ideograms          | 26 Lifting chart         | 44 Hyundai logo                 |
| 10 General cautions-cab      | 27 Hammer                | 45 Hyundai logo                 |
| 11 Safety front window       | 28 Lift and tie          | 46 Band                         |
| 12 Warning front window      | 29 Electric welding      | 47 Caution (w/s, c/s)           |
| 13 Aircon filter             | 30 Accumulator           | 48 Pattern change               |
| 14 Console tilting           | 31 Battery position      | 49 EMC                          |
| 15 Turbocharger cover        | 32 Ultra low sulfur fuel | 50 California65 caution         |
| 16 Stay fix-cab              | 33 Boom caution          | 51 ROPS FOG plate               |
| 17 Hydraulic oil lubrication | 34 Fire extinguisher     |                                 |

## 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) FUELING (item 1)

This 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.
- ※ Use ultra low sulfur fuel only.
- ※ Ultra low sulfur fuel sulfur content  $\leq 10$  ppm



91MT-01130

### 2) BATTERY ACCIDENT (item 2)

This label is positioned on the inside of battery box.

- ▲ 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 terminals with a wet hand.



91M8-02122

### 3) LIFTING POINT (item 4)

This label is positioned on the both sides of the boom.

- ※ In order to lift the machine, attach the lifting devices to the lifting points.



91M8-05110-00

4) **KEEP CLEAR-ATTACHMENT** (item 5)

This label is positioned on both side of the boom.

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

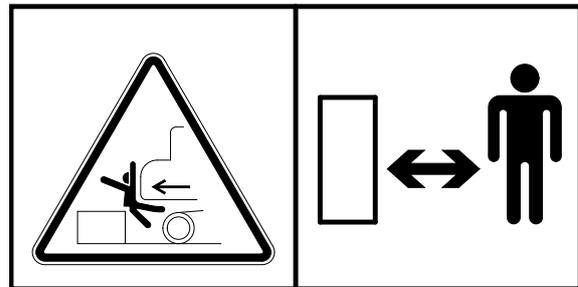


R5570FW31

5) **KEEP CLEAR-REAR** (item 6)

This label is positioned on the rear side of engine hood.

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

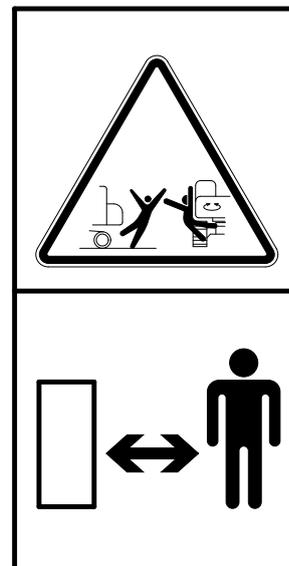


R5570FW09A

6) **KEEP CLEAR-SIDE** (item 7)

This label is positioned on the left and right side of engine hood.

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



R5570FW13

7) ENGINE ROOM CAUTION (item 8)

This label is positioned on the side of radiator.

- ▲ Do not open the engine hood while the engine is running.
- ▲ Escaping fluid under pressure can penetrate the skin causing serious injury.
- ※ Study the service manual before service job.
- ▲ Never open the filler cap while engine running or at high coolant oil temperature.
- ▲ Do not touch turbocharger or it may cause severe burn, while the engine is running or immediately after the engine is shut down.
- ▲ Relieve all pressure before disconnecting any hydraulic, coolant or fuel lines etc.
- ▲ Study the operator's manual before starting and operating machine.
- ▲ Do not touch exhaust pipe or it may cause severe burn.



81M8-07111-00

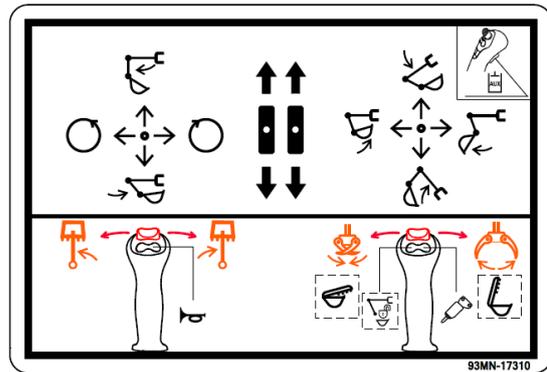
8) CONTROL IDEOGRAM-SWIVEL (item 9)

This label is positioned in right side window of inside the cab.

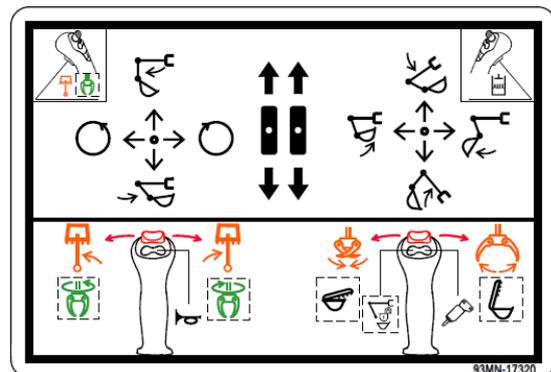
⚠ Always ensure the label matches the control pattern. If it does not, replace label with appropriate control pattern label.

⚠ Failure to do so could result in serious injury or death

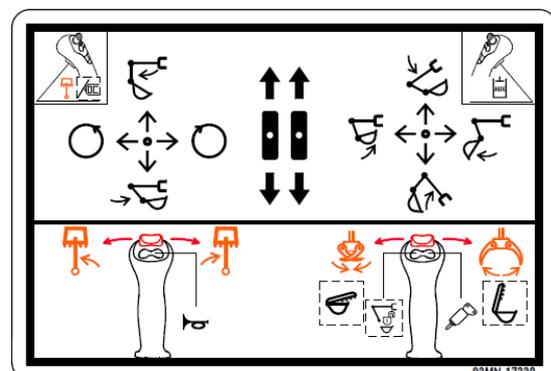
※ See page 4-7 for details.



93MN-17310



93MN-17320



93MN-17330

9) GENERAL CAUTION-CAB (item 10)

This label is positioned on the left side center stay of inside the cab.

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

It is possible to receive shock by merely coming into the vicinity of electric lines, the minimum distance based on supply voltage should never be exceeded.

Refer to page 1-21.

- ▲ Serious injury or death can result from dropping bucket.
- ▲ Operating the machine with quick coupler switch unlocked or without safety pin of moving hook can cause the bucket to drop off.
- ▲ Be careful to operate machine equipped with quick coupler or extensions.
- ▲ Bucket may hit cab or boom, boom cylinders when it reached vicinity of them.



91M9-07243

10) SAFETY FRONT WINDOW (item 11)

This label is positioned on the LH and RH sides window of inside the cab.

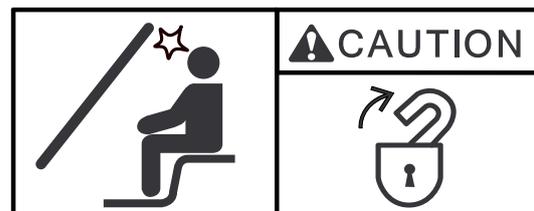
- ▲ Be careful that the front window may be promptly closed.



91M8-07251

11) WARNING FRONT WINDOW (item 12)

This label is positioned on the front window of inside the cab.

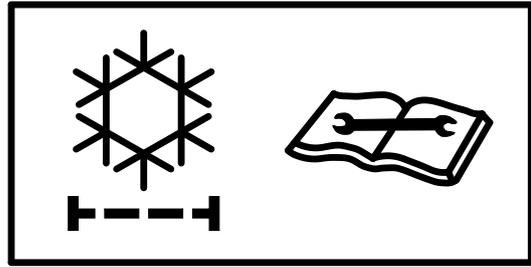


5591FW05

## 12) AIRCON FILTER (item 13)

This label is positioned on the front side of lower seat base.

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

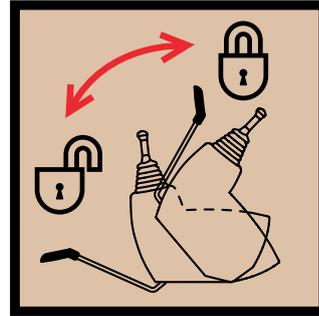


91M8-07270

## 13) CONSOLE TILTING (item 14)

This label is positioned on the top side of LH console box.

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

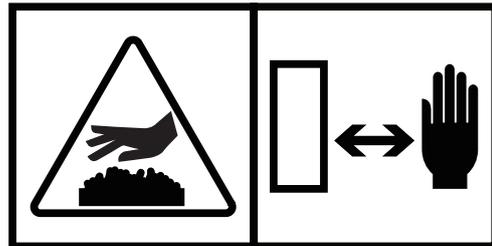


92N6-07510

## 14) TURBOCHARGER COVER (item 15)

This label is positioned on the rear side of the cab.

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



65A0FW10

## 15) STAY FIX-CAB (item 16)

This label is positioned on the front side window of inside the cab.

- ▲ **Be sure to support the stay when the window needs to be opened.**
- ▲ **Be careful that the opened window may be closed by the external or natural force.**



5591FW06

## 16) HYDRAULIC OIL LUBRICATION (item 17)

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

- ※ **Do not mix with different brand oils.**
- ▲ **Never open the filler cap while engine running or at high hydraulic oil temperature.**
- ▲ **Loosen the cap slowly and release internal pressure completely.**



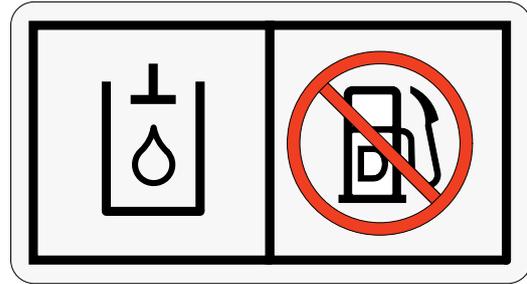
91N6-03112

91N6-03112

17) FUEL SHUT OFF (item 18)

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

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



140WH90FW51

18) EMERGENCY EXIT (item 19)

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

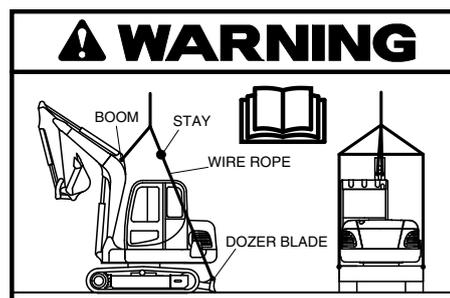
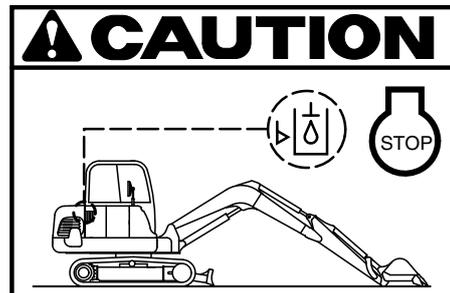
- ※ The rear window serves as an alternate exit.
- ※ To remove rear window, pull the ring and push out the glass.



19) GENERAL WARNING-FRAME (item 21)

This label is positioned right side window of inside the cab.

- ▲ 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 5-9 for details.
- ▲ Make sure wire rope is proper size and keep correct hoisting method.
- ※ See page 5-10 for details.
- ▲ 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.

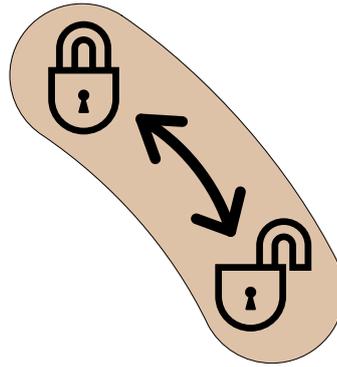


5591FW08

**20) SAFETY KNOB (item 23)**

This label is positioned on the cover of the safety knob, on the left side operators console.

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



30007A1FW07A

**21) HAMMER (item 27)**

This label is located on the left stay of inside the cab.

- ▲ **The window serves as an alternate exit. In emergency, break out the window using the hammer and escape from the cabin.**



91Q6-07280

**22) LIFT & TIE (item 28)**

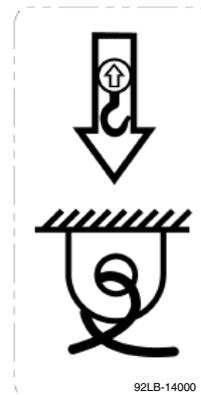
This label is positioned on the LH and RH sides of the dozer blade.

**- Lifting point**

In order to lift the machine, attach the lifting devices to the lifting points.

**- Tying point**

In order to tie down the machine, attach the tie-downs to the tying points.



92LB-14000

**23) ELECTRIC WELDING (item 29)**

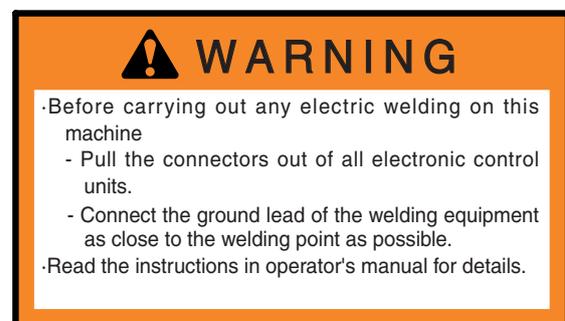
This label is positioned on the inside of battery box.

- ▲ **Before carrying out any electric welding on this machine follow the below procedure.**

- **Pull the connectors out of all electric control units.**

- **Connect the ground lead of the welding equipment as close to the welding point as possible.**

※ See page 6-38 for detail.



7807AFW20

#### 24) ACCUMULATOR (item 30)

This 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.

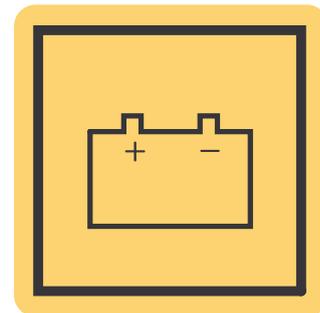
- ▲ Never make any holes in the accumulator or expose it to open flame or fire.
- ▲ Do not weld anything to the accumulator.
- ※ When carrying out disassembly or maintenance of the accumulator, or when disposing of the accumulator, it is necessary to release the gas from the accumulator. A special air bleed valve is necessary for this operation, so please contact your HD Hyundai Construction Equipment distributor.



91N6-03201

#### 25) BATTERY POSITION (item 31)

This label is positioned right side of battery cover.



38090FW03

#### 26) ULTRA LOW SULFUR FUEL (item 32)

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

- ※ Use ultra low sulfur fuel only.
- ※ Ultra low sulfur fuel sulfur content  $\leq 10$  ppm
- ※ If ultra low sulfur diesel is not used, the aftertreatment diesel particulate filter can be damaged.

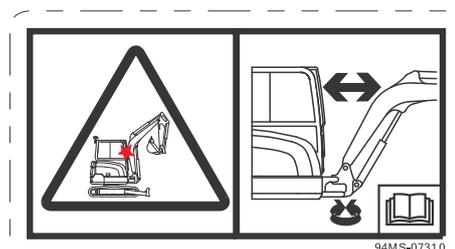


559A1FW09

#### 27) BOOM CAUTION (item 33)

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

- ▲ Be careful to operate the boom. The boom may hit cab when boom reaches vicinity of cab.



94MS-07310-00

## 28) FIRE EXTINGUISHER (item 34)

This label is located on the left console box.

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



91Q6-07290

## 29) BIO OIL (item 35)

This label is positioned on the RH side tank cover.

- ※ This machine works with PANOLIN HLP SYNTH 46.
- ※ Readily biodegradable according to OECD 301 B.
- ▲ Do not mix with other bio-oil.

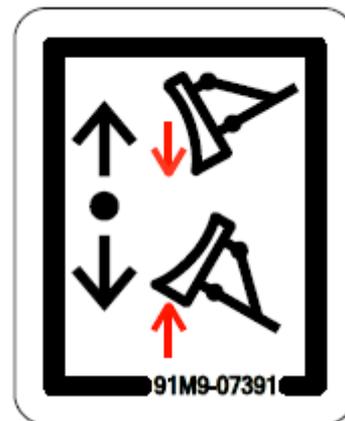


91WD-99110

## 30) CONTROL IDEOGRAM-DOZER (item 36)

This label is positioned on the top side of RH console box.

- ※ See page 4-7 for details.
- ※ Guidelines for using the general dozer blade.
  - Be careful not to apply an excessive load when using a blade.
  - Avoid impacts and loads on the bottom due to machine modification or excessive working conditions.
  - Check the BLADE UP status before traveling the machine.
  - Avoid any collision with the upper working device and the blade.
  - Do not move machine in the blade jack up state.
  - When using blade jack up, use it in an environment where the ground is not rough and the machine and ground are same level.



91M9-07391

### 31) BEACON LAMP (item 38)

This label is positioned on the rear outside of the cab.

- ※ 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 the case, change the position of the lamp to the horizontal.



91Q4-02201-00

### 32) LEFTOVER FUEL (item 39)

This label is positioned on inside the battery box.

- ▲ Do not fuel a machine near open flames or sparks. Failure to comply may result in serious injury or death.
- ▲ Properly clean areas of spillage.

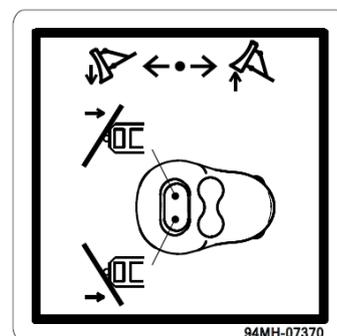


91K4-02700

### 33) CONTROL IDEOGRAM-ANGLE DOZER (item 40)

This label is positioned on the RH console box.

- ▲ To avoid personal injury or death,
  - Never jack up or lift the machine with the angle blade placed at an angle.
  - Stability of the machine is affected with blade at angle, keep at neutral position.
  - Before starting the job or when travelling up or down a slope, position and keep the angle blade at neutral.
  - Do not work under the machine.
- ※ Do not angle blade up with the angle blade placed at an angle.
- ※ Refer to page 0-15 for additional descriptions.

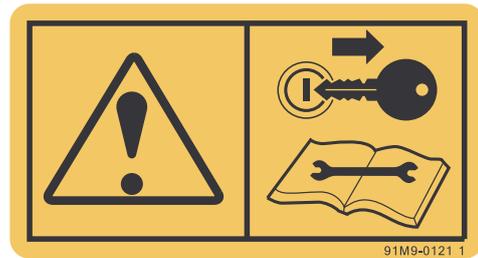


94MH-07370

### 34) CAUTION KEY (item 41)

This label is positioned on the RH side of inside the cab.

- ▲ **Park on a flat place and stop the engine for inspecting and repairing. Properly TAG machine is not operational. (remove start key)**
- ※ **Extreme care shall be taken during maintenance work.**



91M9-01211

### 35) TIE (item 42)

This label is positioned on the LH and RH sides of the lower frame.

- ▲ **Never tow the machine using tie down eyelet as it may break resulting in personal injury or death.**
- ※ **See page 4-10 for detail.**

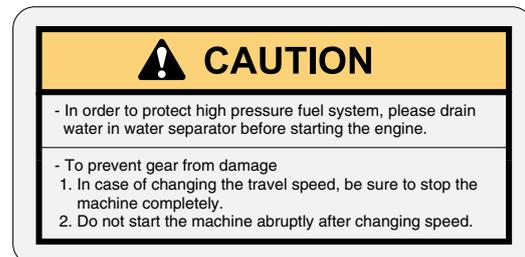


91N6-05120

### 36) CAUTION-W/S, C/S (item 47)

This label is positioned right side window of inside the cab.

- ※ **In order to protect high pressure fuel system, please drain water in fuel prefilter before starting the engine.**
- ※ **To prevent gear from damage**
  1. In case of changing the travel speed, be sure to stop the machine completely.
  2. Do not start the machine abruptly after changing speed.

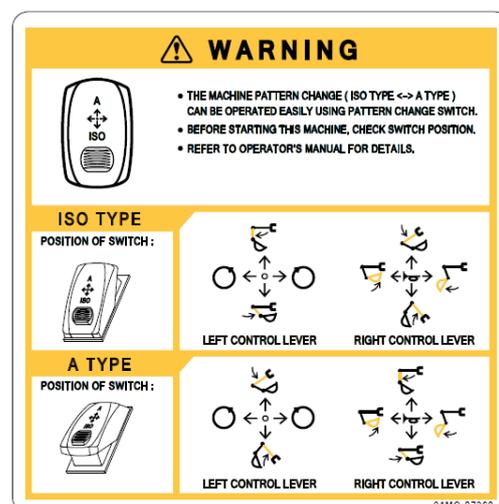


92M9-07920

### 37) PATTERN CHANGE (item 48)

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

- ▲ **Check the machine control pattern for conformance to the pattern on this label. If not, change label to match pattern before operating machine.**
- ▲ **Failure to do so could result in serious injury or death.**
- ※ **See page 4-28 for details.**

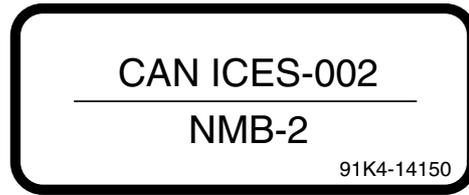


91MQ-07360

**38) EMC (item 49)**

This label is positioned on the front right side of upper frame.

- ※ **This machine comply with the EMC directive ICES-002.**
- ※ **EMC : ElectroMagnetic Compatibility**



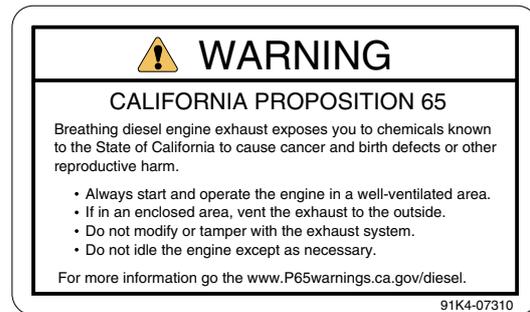
91K4-14150

**39) CALIFORNIA 65 CAUTION (item 50)**

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

**▲ Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.**

- (1) Always start and operate the engine in a well-ventilated area.
  - (2) If in an enclosed area, vent the exhaust to the outside.
  - (3) Do not modify or tamper with the exhaust system.
  - (4) Do not idle the engine except as necessary.
- ※ **For more information go to [www.P65warnings.ca.gov/diesel](http://www.P65warnings.ca.gov/diesel).**



91K4-07310