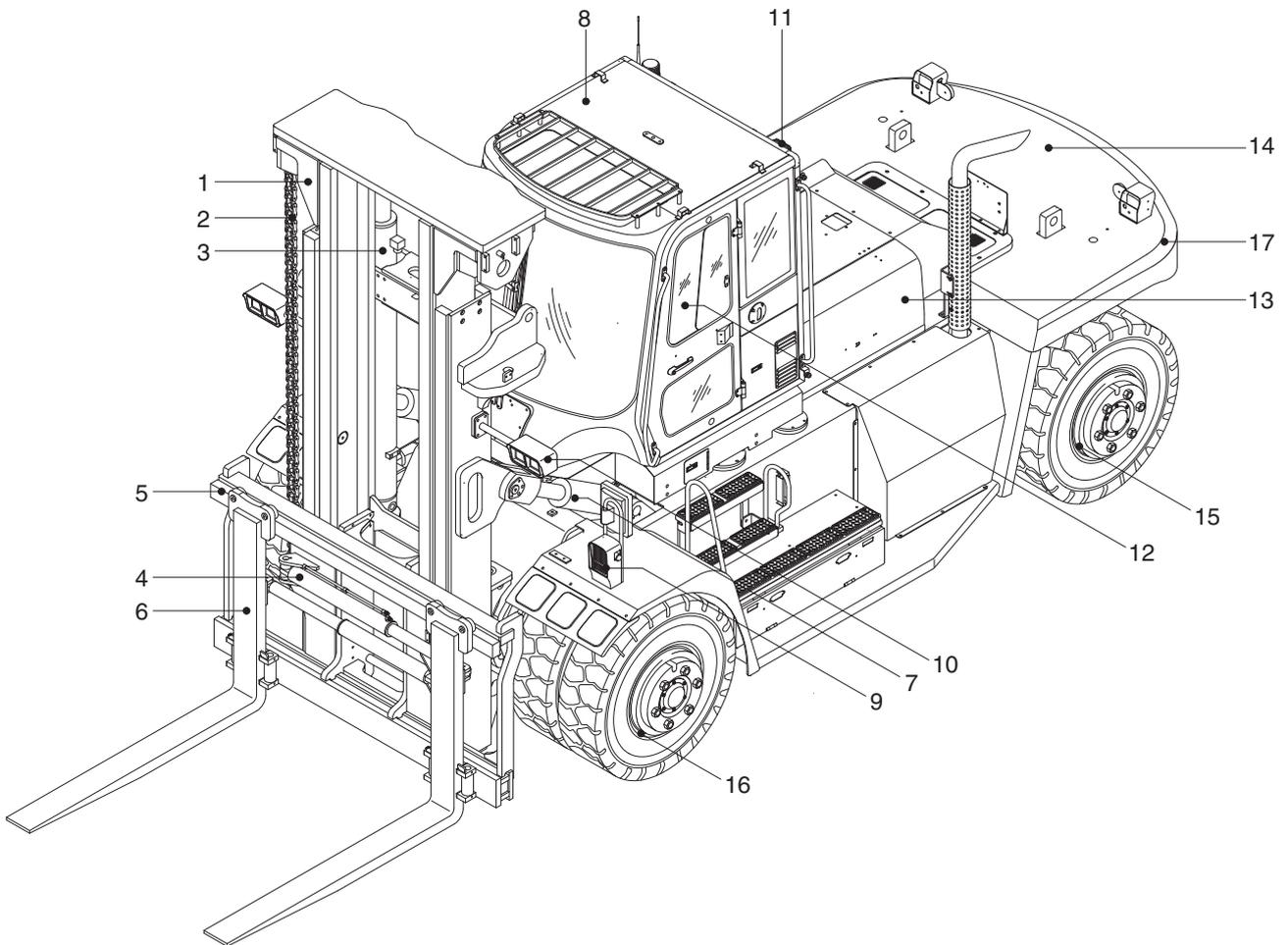


3. KNOW YOUR TRUCK

1. GENERAL LOCATIONS

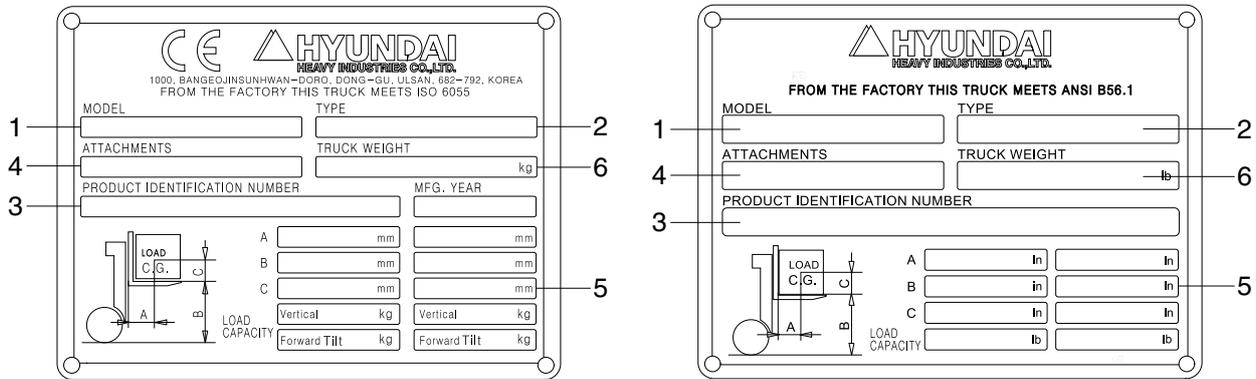


250D9OM54

- | | | |
|----------------------------|-------------------------|--------------------------|
| 1 Mast | 7 Tilt cylinder | 13 Bonnet |
| 2 Lift chain | 8 Cabin | 14 Counterweight |
| 3 Lift cylinder | 9 Head light-fender | 15 Rear wheel |
| 4 Fork positioner cylinder | 10 Work lamp-mast | 16 Front wheel |
| 5 Carriage | 11 Work lamp-cabin rear | 17 Rear combination lamp |
| 6 Forks | 12 Operator's seat | |

2. DATA/SAFETY PLATES AND DECALS

1) TRUCK DATA AND CAPACITY PLATE



50D7EOM56

(1) Truck model number or registered name

(2) The type is represented a kind of truck such as diesel.

(3) Truck serial number

An identification number assigned to this particular truck and should be used when requesting information or ordering service parts for this truck from your authorized HYUNDAI dealer. The serial number is also stamped on the frame.

(4) Attachment description (If any installed)

The user must see that the truck is marked to identify the attachment (s), including the weight of the truck/attachment combination and truck capacity with the attachment.

(5) Capacity rating, load center, and lifting height data

Shows the maximum load capacity of this truck with relation to load centers and fork heights (See diagram on plate). Personal injury and damage to the truck can occur if these capacities are exceeded.

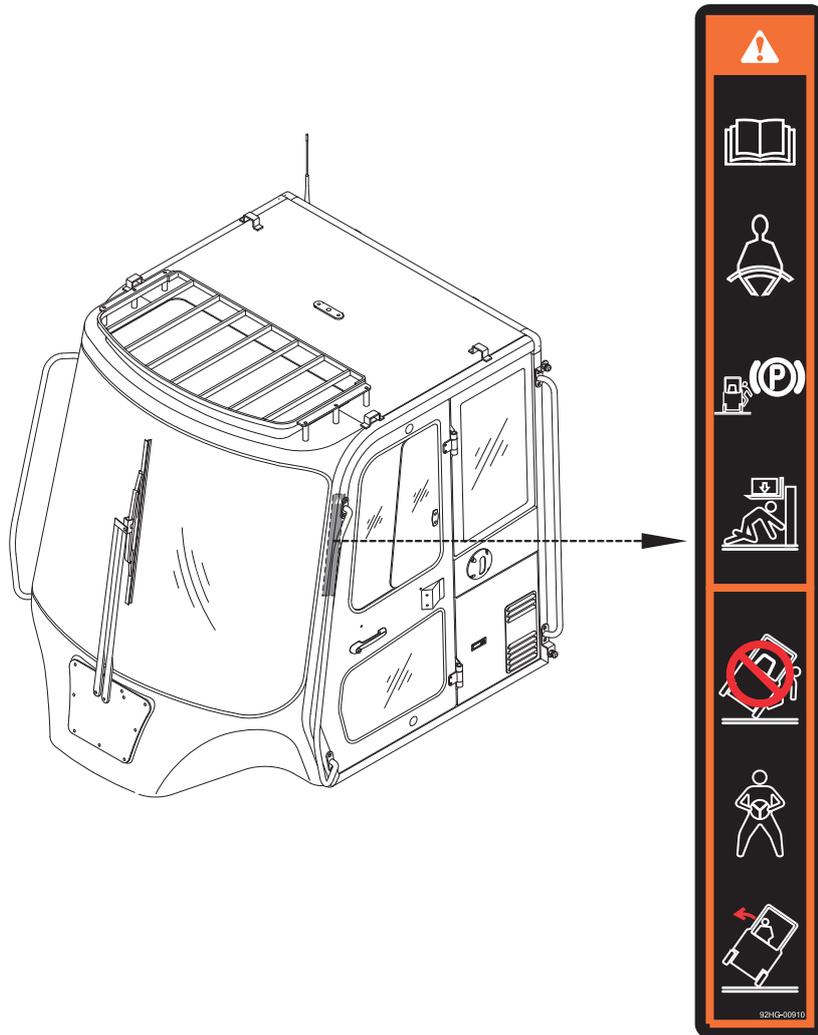
Do not exceed the maximum capacity specified.

(6) Truck weight

The approximate weight of the truck without a load on the forks. This weight plus the weight of the load must be considered when operating on elevators, elevated floors, etc. to be sure they are safe.

▲ Before modifications that affect the stability of safety systems are made written approval from HYUNDAI. Contact your authorized HYUNDAI dealer for a new nameplate showing the revised capacity.

2) OPERATOR SAFETY WARNING DECAL



250D90M59

▲ Safety and warning decals are placed in conspicuous locations on the truck to remind you of essential procedures or to prevent you from making an error that could damage the truck or possibly cause personal injury. You should know, understand, and follow these instructions. Safety and warning decals. Should be replaced immediately if missing or defaced (Damaged or illegible). Refer to the page 0-3 for the location of all decals.

▲ Operator/Tip-over warning decal

This decal is located on cabin's upper-left side frame. Its purpose is to remind the operator that staying in the seat provides the best chance of avoiding injury in the event of a truck-tipping or driving off a dock mishap.

Lift trucks can be tipped over if operated improperly. Experience with lift truck accidents has shown that the driver cannot react quickly enough to jump clear of the truck and cabin as the truck tips. To protect operators from severe injury or death in the event of a tip over, it is best to be held securely in the seat. So, please, always buckle up when driving your lift truck.

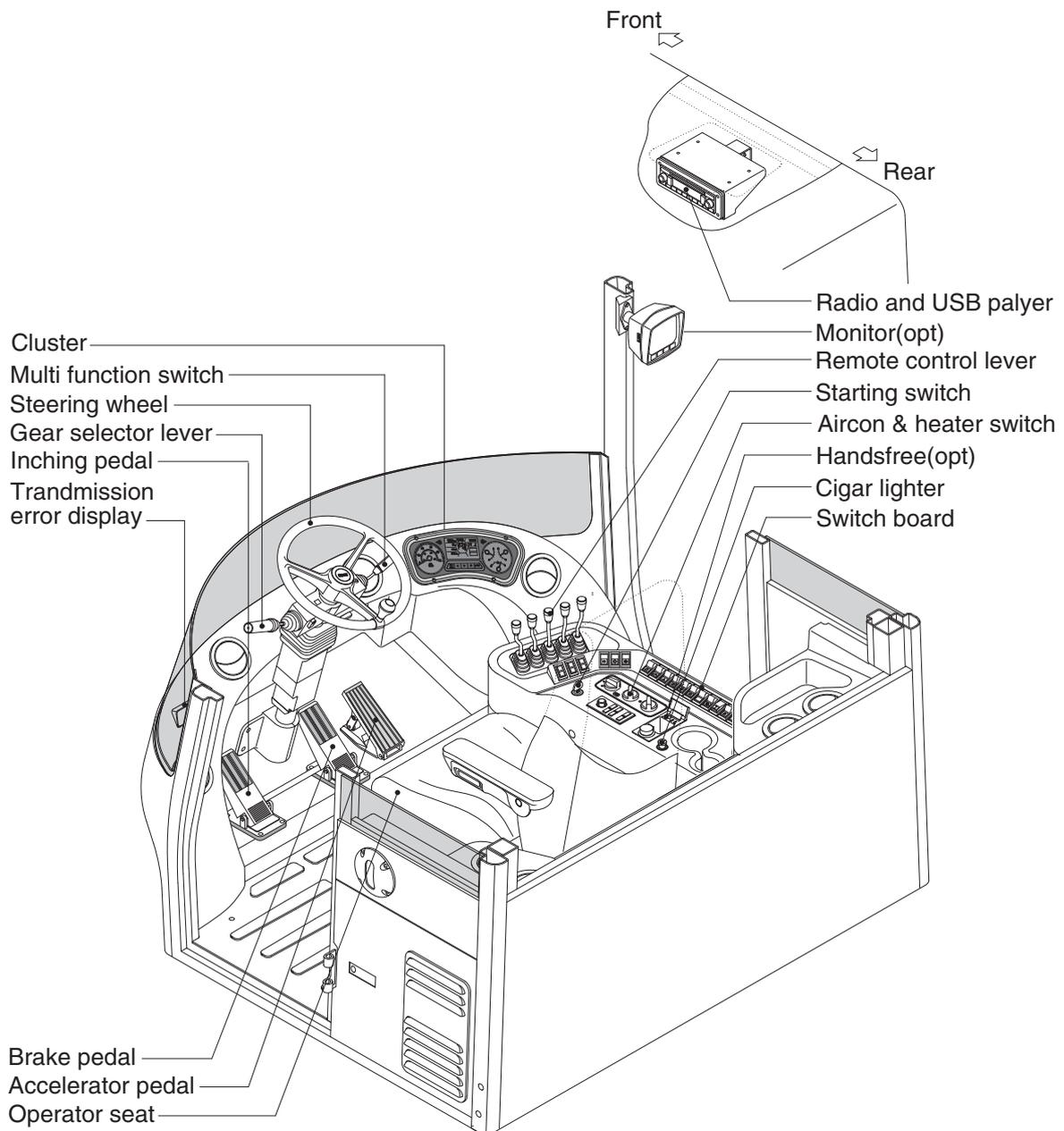
3. CAB DEVICES

1) The ergonomically designed console box and suspension type seat provide the operator with comfort.

2) ELECTRONIC MONITOR SYSTEM

(1) The centralized electronic monitor system allows the status and conditions of the truck to be monitored at a glance.

(2) It is equipped with a safety warning system for early detection of truck malfunction.



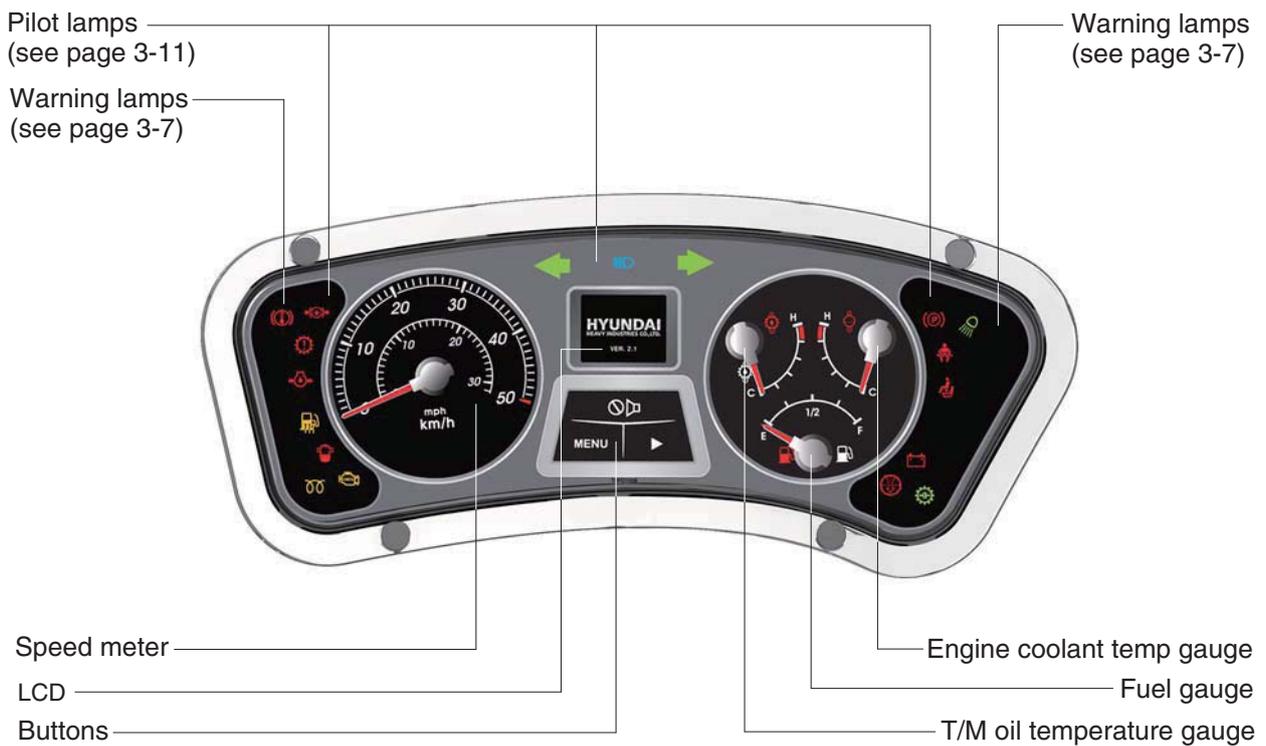
250D9CD01

4. CLUSTER

1) STRUCTURE

The gauges panel consists of gauges and monitors as shown below, to warn the operator in case of abnormal truck operation or conditions for the appropriate operation and inspection.

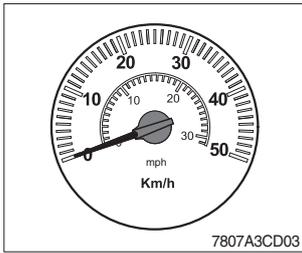
- Gauges : Indicate operating status of the truck.
 - Warning lamp : Indicate abnormality of the truck.
 - Pilot lamp : Indicate operating status of the truck.
 - LCD : Select or display the truck model, error code and engine speed etc.
- ※ The monitor installed on this truck does not entirely guarantee the condition of the truck. Daily inspection should be performed according to chapter 7. **PLANNED MAINTENANCE AND LUBRICATION.**
- ※ When the monitor provides a warning immediately check the problem, and perform the required action.



160D7ECD02

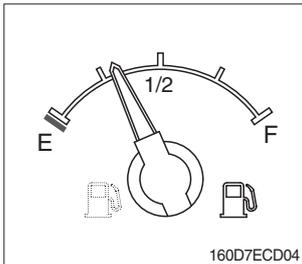
2) GAUGE

(1) Speed meter



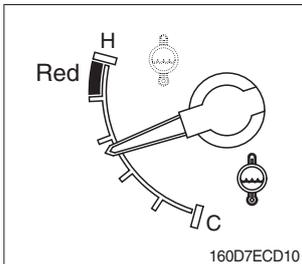
- ① The speedmeter displays the speed of truck in mph and km/h.

(2) Fuel gauge



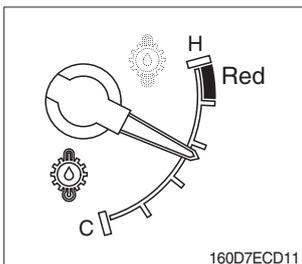
- ① This gauge indicates the amount of fuel in the fuel tank.
 - ② Fill the fuel when the indicator moves E point, refuel as soon as possible to avoid running out of fuel.
- ※ If the gauge indicates below E point even though the truck is on the normal condition, check the electric device as that can be caused by the poor connection of electricity or sensor.

(3) Engine coolant temperature gauge



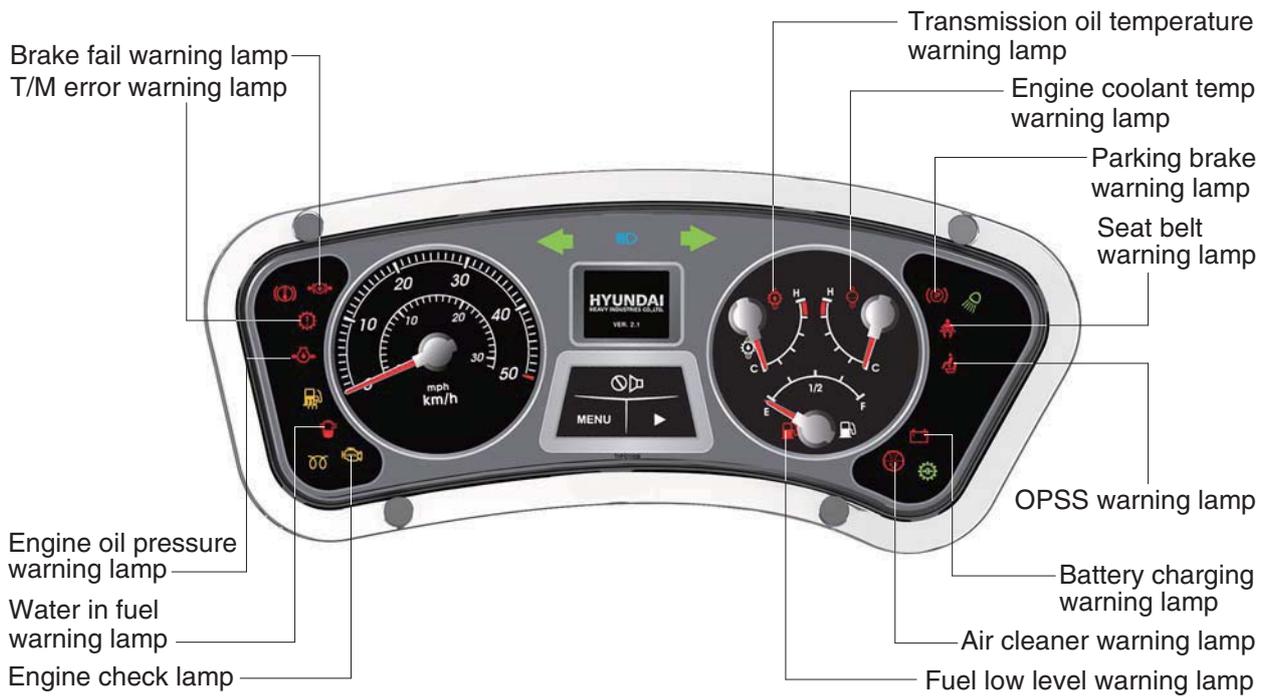
- ① This indicates the temperature of coolant.
 - Red range : Above 104°C (219°F)
- ② Keep idling engine at low speed until the indicator is in the operating range.
- ③ If the indicator is in the red range, turn OFF the engine, check the radiator and engine.

(4) Transmission oil temperature gauge



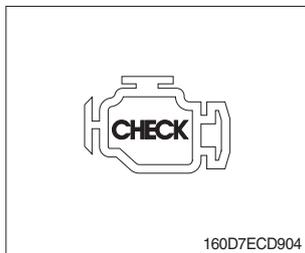
- ① This range indicates the temperature of transmission oil.
 - Red range : Above 107°C (225°F)
- ② Keep idling engine at low speed until the indicator is in the operating range.
- ③ If the indicator is in the red range, it means the transmission is overheated. Be careful that the indicator does not move into the red range.

3) WARNING LAMPS



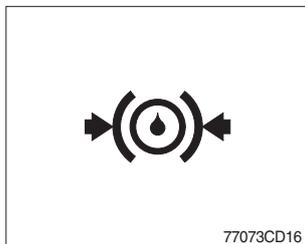
160D7ECD02-1

(1) Engine check lamp



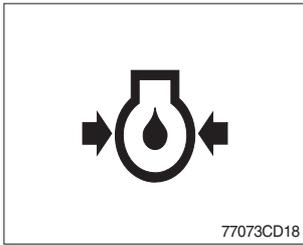
- ① This lamp light ON during a nonfatal engine system error. The engine can still be run, but the fault should be corrected as soon as possible.

(2) Brake fail warning lamp



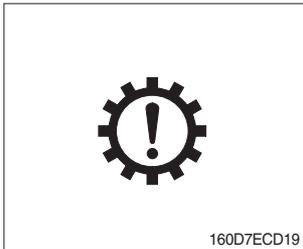
- ① The lamp lights ON when the oil pressure of service brake drops below the normal range.
- ② When the lamp is ON, stop the engine and check for its cause.
- ※ **Do not operate until the problems are corrected.**

(3) Engine oil pressure warning lamp



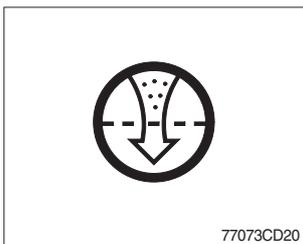
- ① This lamp comes ON for a while after starting the engine because of the low oil pressure.
- ② If the lamp comes ON during engine operation, shut OFF engine immediately. Check oil level.

(4) Transmission error warning lamp



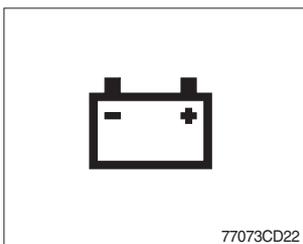
- ① This lamp lights ON and the T/M message display shows the error codes when an error occurs in the transmission.
 - ② Immediately pull the truck to a convenient stop. Stop the engine. Investigate the cause.
- ※ **Consult a HYUNDAI dealer to investigate the cause.**
- ※ **Do not operate until the cause has been corrected.**

(5) Air cleaner warning lamp



- ① This lamp operates by the vacuum caused inside when the filter of air cleaner is clogged.
- ② Check the filter and clean or replace it when the lamp is ON.

(6) Battery charging warning lamp



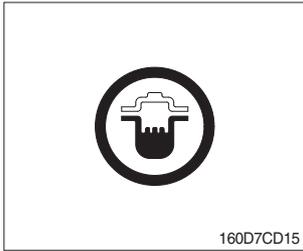
- ① This lamp is ON after key switch is turned ON.
- ② Check the battery charging circuit when this lamp comes ON during engine operation.

(7) Fuel low level warning lamp



- ① Fill the fuel immediately when the lamp is turned ON.

(8) Water in fuel warning lamp



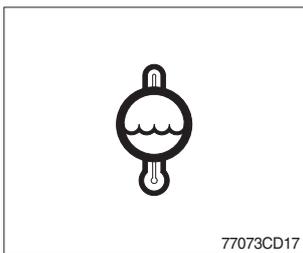
- ① This lamp lights up when the water separators full of water or malfunctioning.
- ※ **When this lamp lights up, stop the truck and spill water out of the separator.**

(9) Seat belt warning lamp



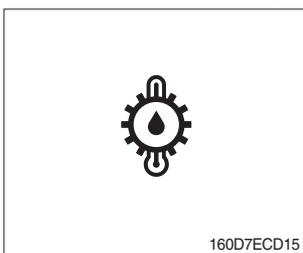
- ① This lamp lights ON for the first five seconds after starting the truck.

(10) Engine coolant temperature warning lamp



- ① This lamp is turned ON when the temperature of cooling water is over the normal temperature(104°C, 219°F).
- ② Check the cooling system when the lamp is ON.

(11) Transmission oil temperature warning lamp



- ① This lamp informs the operator that transmission oil is above the specified temperature.
 - Lamp ON : Abnormal
 - Lamp OFF : Normal
- ※ **When this lamp lights up during operation, stop the engine and check the machine.**

(12) Parking brake warning lamp



- ① When the parking brake is actuated, the lamp lights ON.
- ※ **Check the lamp is OFF before driving.**

(13) OPSS warning lamp (option)



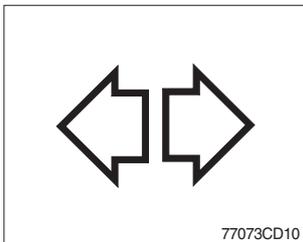
- ① This signal lamp lights ON when the operator leaves the seat.
- ② Powered travel movement of the truck shall be possible only if the operator is in the normal operating position. Transmission will automatically shift to neutral upon the exiting of the operator.
- ③ The forward/reverse lever must be cycled through neutral with the operator in the normal operating position to regain powered direction control.

4) PILOT LAMPS



160D7ECD02-2

(1) Direction pilot lamp



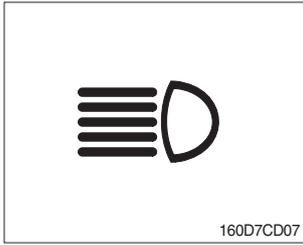
① This lamp flashes when the signal indicator lever is moved.

(2) Work lamp pilot lamp (rear)



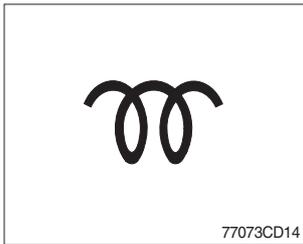
① This lamp lights ON when rear work lamp switch is pressed.

(3) Head light pilot lamp



- ① This lamp comes ON when the main light switch is operated to 2nd step.

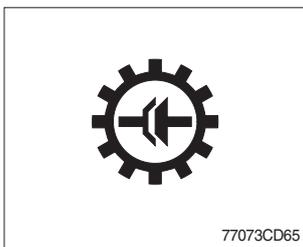
(4) Preheater pilot lamp



- ① This lamp lights ON when start switch is turned clockwise to the ON position. Light will turn off after approximately 15~45 seconds, depending on engine coolant temperature, indicating that preheating is completed.
- ② When the lamp goes out the operator should start cranking the engine.

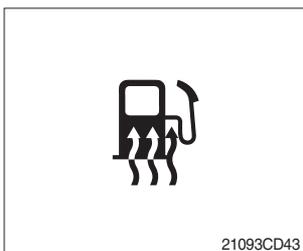
※ Refer to page 5-12.

(5) Inching pilot lamp



- ① When the inching switch is pressed, the lamp lights ON.

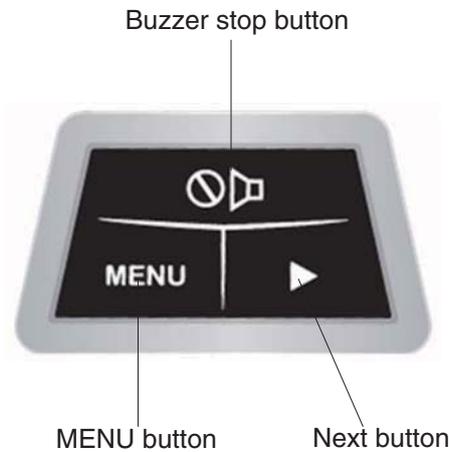
(6) Fuel heater pilot lamp



- ① This lamp is turned ON when the coolant temperature is below 10°C (50°F) or the hydraulic oil temperature 20°C (68°F).
- ② The automatic fuel warming is cancelled when the engine coolant temperature is above 60°C, or the hydraulic oil temperature is above 45°C since the start switch was ON position.

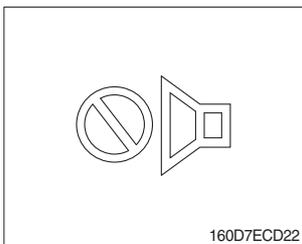
4) CLUSTER BUTTON

Each button has the following function.



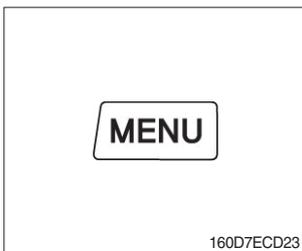
160D7ECD121E

(1) Buzzer stop button



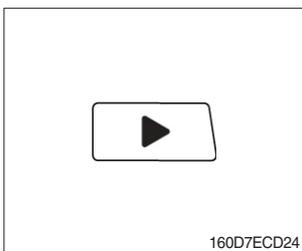
- ① This button is used to stop the buzzer sound.
- ② If another alarm condition occurs after this button has been pressed, the alarm buzzer will re-sound.

(2) Menu button



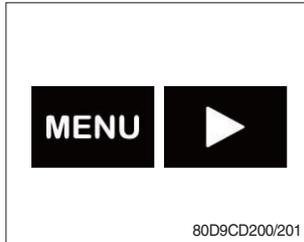
- ① To select engine error display mode, press this button.
- ② To return to standby mode, press this button.
- ③ To set model on the model select mode, press this button.

(3) Next button



- ① To display next page on the engine error display mode where engine error of 4 or more are occurred, press this button
- ② To change another model on model select mode, press this button.

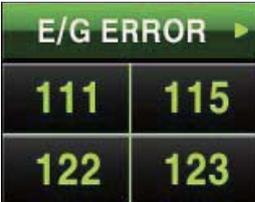
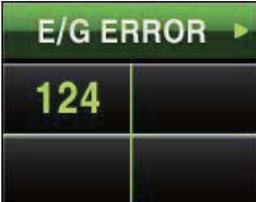
(4) Menu and next buttons



- ※ These buttons are used to select the model select mode.
- ※ The initial model is selected at the factory, so don't change the different model.

5) LCD

LCD has the functions to display start mode, standby mode, engine error display etc.

NO	Name and display	Description
1	Start mode 	<ul style="list-style-type: none"> - Displays initialization state with HYUNDAI logo and program version.
2	Standby mode   	<ul style="list-style-type: none"> - Displays on the idle state. - Displays engine speed, odometer and hourmeter. - Odometer is ON,  is activated. - Hourmeter is ON,  is activated.
3	Engine error display   	<ul style="list-style-type: none"> - On engine error display mode, displays like this image. - In case of under 4 engine errors. (Left screen) - In case of over 4 engine errors. (Right screen) - To display next page in case of over 4 errors on engine error display mode, press . (Left screen)

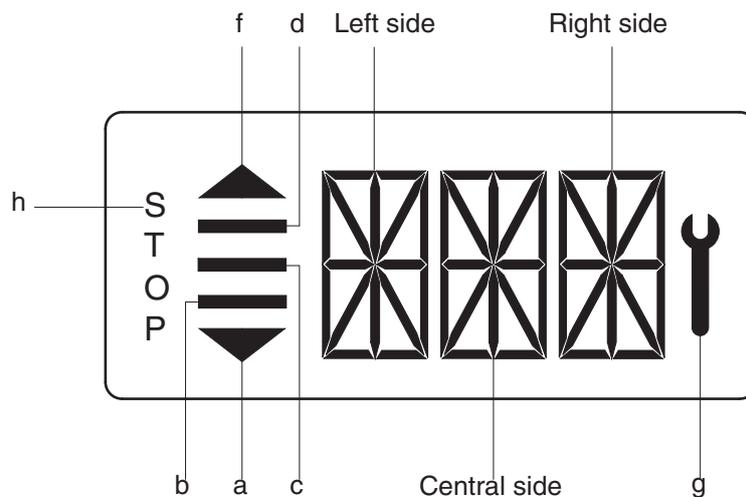
5. TRANSMISSION MESSAGE INDICATOR

1) TRANSMISSION ERROR DISPLAY

(1) Function

The display can be used with the gear selector. It indicates speed and driving direction as well as the activated inching.

When driving in the automatic mode, a bar indicator gives additionally also information about the selected driving range ; The automatic range is symbolized by arrows above and below the bar indicator. In case of possible errors in the system, a wrench appears on the display, combined with indication of the error number. Also sporadically occurring errors can be indicated.



D507CD33

1	Bars	a, f	Automatic range (up and down shiftion)
		b, c, d,	Preselected gear
2	Left side		For the moment still without function
3	Central and Right side		On the two alphanumeric 16-segment display, the electric control unit issues the actual state of gear and driving direction. Besides, a two digit error code will be indicated via these two segment
4	Spanner	g	Electronic control unit recognized an error, is flashing
5	Letters STOP	h	Immediate stop is required(at the moment not activated)

(2) Abbreviations

- OC : Open circuit
- SC : Short circuit
- OP mode : Operating mode
- TCU : Transmission control unit
- EEC : Electronic engine controller
- PTO : Power take off

2) DO AEB WORK

- (1) Start engine after parking the machine on flat floor and blocking wheels.
- (2) Release parking brake.
- (3) With stepping on the service brake, operate T/M STALL (3 stage).
 - ※ To avoid defect of clutch pack, repeat 10 sec of operation and 10 sec of placing neutral.
- (4) When the T/M oil temperature reaches 75~80°C, lock the parking brake and then shift gear to neutral position to keep the machine at LOW RPM.
- (5) Connect the AEB STARTER to T/M controller.
- (6) Push AEB STARTER over 3 seconds.
- (7) Confirm the status of AEB from the DISPLAY.
 - Normal operation shows "ST, KR, KV, K1, K2, K3" orderly for 3~5 minutes.
 - After the successful completion, it displays "OK".
 - With a new controller, it may display "F6" error code before AEB, it will disappear.
- (8) In case of abnormal running, it may display "STOP" with the appropriate error code.
- (9) After troubleshooting, start the machine again to repeat above.
 - ※ As the STALL operation has to be done, the SERVICE BRAKE must be locked perfectly to avoid the fatal accident.
 - ※ AEB mode : It controls the disc internal of the transmission, automatically.

3) DISPLAY DURING AEB-MODE

Symbol	Meaning	Remarks
PL	AEB-starter is plugged at the diagnostic plug	
ST	AEB-Starter-button is pressed	
K1.....K3 KV, KR	Calibrating clutch K1...K3, KV or KR resp.	
_and Kx	Wait for start, initialization of clutch Kx, x : 1, 2, 3, V, R	
≡ and Kx	Fast fill time determination of clutch Kx	
=and Kx	Compensating pressure determination of clutch Kx	
OK	Calibration for all clutches finished	Transmission stays in neutral, you have to restart the TCU(ignition off/on) after removing AEB-Starter
STOP	AEB canceled(activation stopped)	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
STOP and Kx	AEB stopped, clutch Kx can't be calibrated	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
Spanner and Kx	Kx couldn't be calibrated, AEB finished	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
△E	Engine speed too low → raise enging speed	
▽E	Engine speed too high → lower enging speed	
△T	Transmission oil temperature too low → heat up transmission	
▽T	Transmission oil temperature too high → cool down transmission	
FT	Transmission temperature not in defined range during calibration	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
FB	Operating mode not NORMAL or transmission temperature sensor defective or storing of Calibrated values to EEPROM-has failed.	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
FO	Output speed_not_zero	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
FN	Shift lever not in Neutral position	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
FP	Park brake_not_applied	Transmission stays in neutral, you have to restart the TCU(ignition off/on)
STOP	AEB-Starter was used incorrect or is defective. Wrong device or wrong cable used.	Transmission stays in neutral, you have to restart the TCU(ignition off/on)

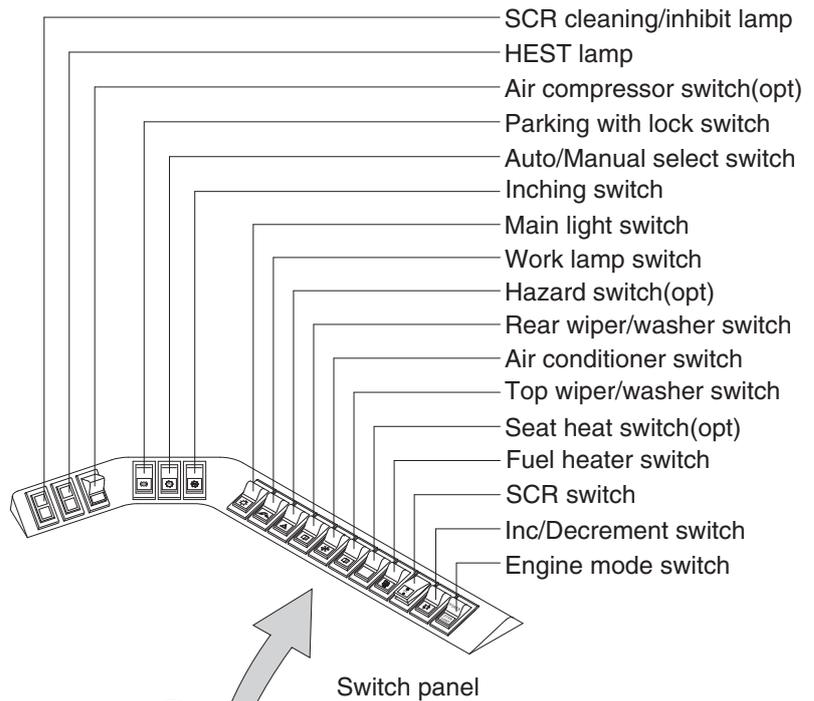
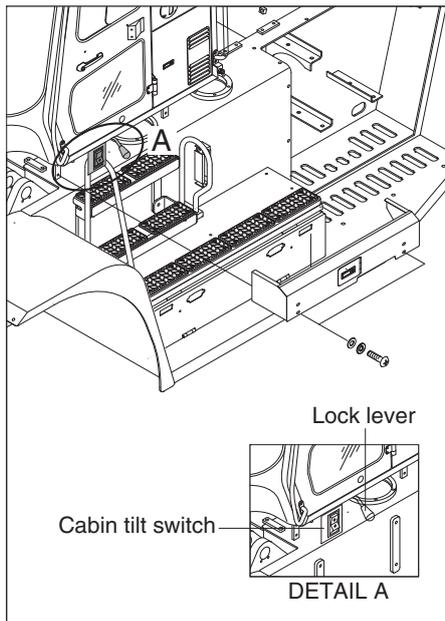
4) INITIALIZING THE INCHING SENSOR

- (1) Start engine after parking the machine on flat floor and blocking wheels.
- (2) Release parking brake and keep neutral gear shift.
- (3) Adjust the inching sensor linkage so that the regular voltage is supplied to inching sensor when operating the pedal.
 - ※ Regular voltage ; Before pedal operation ($1 \pm 0.1V$), After pedal operation ($3.5 \pm 0.1V$).
- (4) Stop the engine and then just KEY ON. (Release parking brake, keep neutral gear)
- (5) Connect the AEB STARTER to the T/M controller.
- (6) Push AEB STARTER over 3 seconds.
- (7) If display shows "▼IP", Step on the pedal fully.
- (8) If display shows "▲IP", release "OK"
- (9) After the successful completion, it displays "OK".
- (10) In case of abnormal running, it may display "STOP" with the appropriate error code.
- (11) After troubleshooting, start the machine again to repeat above.
 - ※ Above works are to be done with the parking brake released, so machine's wheels must be blocked for safety.

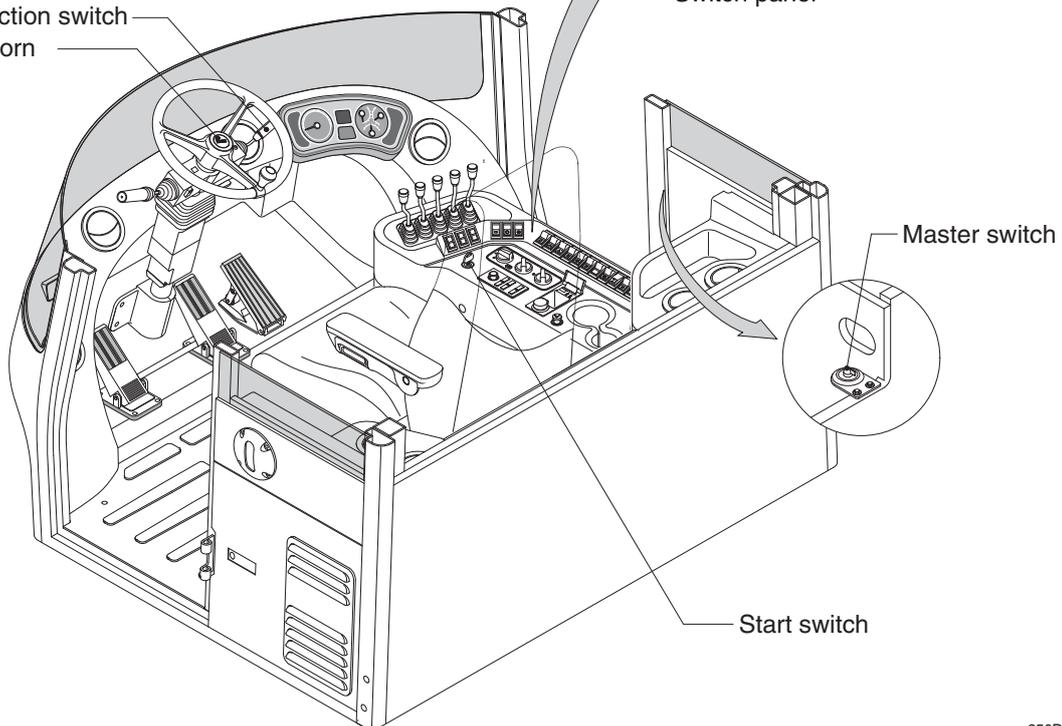
5) DISPLAY DURING INCHPEDAL CALIBRATION

Symbol	Meaning	Remarks
▼IP	Push down the pedal slowly until endposition is reached and hold this position	
▲IP	Release the pedal slowly until endposition is reached	
IP blink	A problem occurred, release the pedal slowly until endposition is reached	If the expected endposition could not be reached, release the pedal and try again
OK	Finished inchpedal calibration successful	
FN and Stop	Shift lever not in Neutral position	Calibrations is aborted
FS and Stop	Sensor supply voltage AU1 is out of the specified range	Calibrations is aborted
FO and Stop	Outputspeed_not_zero	Calibrations is aborted
SL and Stop	Sensor voltage below specified range	Calibrations is aborted
SU and Stop	Sensor voltage below specified range	Calibrations is aborted
IL and Stop	Sensor position for released pedal out of specified range	Calibrations is aborted
IU and Stop	Sensor position for released pedal out of specified range	Calibrations is aborted
TO and Stop	Time-out calibration, pedal not moved after calibration start	Calibrations is aborted
DL and Stop	Angle between pedal positions released and pressed to small	Calibrations is aborted
DU and Stop	Angle between pedal positions released and pressed to small	Calibrations is aborted
FI and Stop	Sensor signal 1 and 2 don't match together	Calibrations is aborted

6. SWITCHES AND LAMPS

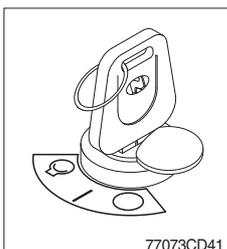


Multi function switch
Center horn



250D9CD05

1) START SWITCH



(1) There are three positions, OFF, ON and START.

- ○ (OFF) : None of electrical circuits activate.
- | (ON) : All the systems of truck operate.
- ◯ (START) : Use when starting the engine.

Release key immediately after starting.

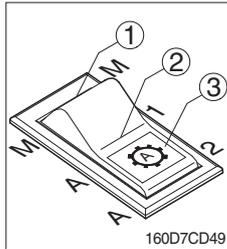
※ After engine start, electric circuit of start intercepted. Increase the durability of start motor after engine start, electric circuit of starting intercepted.

2) PARKING WITH LOCK SWITCH



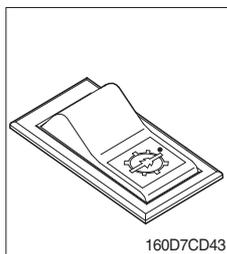
- (1) This switch is used to lock or release parking brake of the truck.
 - (2) If this switch is pressed, the parking brake is applied and the gauge panel warning lamp will come ON.
- ※ **When operating the gear selector lever, be sure to release the parking brake. If the truck is operated with the parking brake engaged, the brake will overheat and may cause the brake system to go out of order.**

3) AUTO/MANUAL SELECT SWITCH



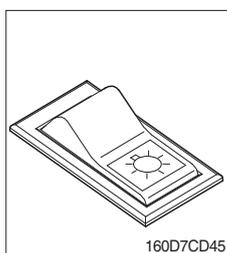
- (1) **Manual mode(①)**
Press the top of the switch for the manual mode of the autoshift function. The operator selects the desired speed and the desired direction in the manual mode with the gear selector lever.
- (2) **Automatic 1st mode(②)**
Place the switch in the middle position for the autoshift function changing from 1st to 3rd gear shift mode.
- (3) **Automatic 2nd mode(③)**
Press the bottom of the switch fully for the autoshift function changing from 2nd to 3rd gear shift mode.

4) INCHING SWITCH



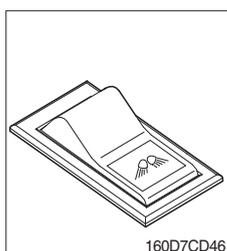
- (1) If this switch is pressed, inching operation is applied to inching pedal.
- (2) Also, inching lamp on the cluster is illuminated.

5) MAIN LIGHT SWITCH



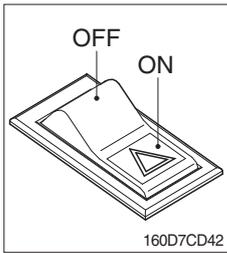
- (1) This switch is used to operate the clearance lamp and head light by two steps.
 - First step : Clearance lamp and cluster illumination lamp comes ON. Also, all of the indicator lamps of switches come ON.
 - Second step : Head light comes ON.

6) WORK LAMP SWITCH



- (1) This switch is used to operate the front and rear work lamps by two steps.
 - First step : Front work lamp comes ON.
 - Second step : Rear work lamp comes ON.

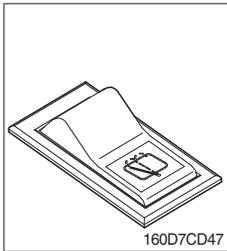
7) HAZARD SWITCH (option)



(1) Use for parking, or loading truck.

※ If the switch is left ON for a long time, the battery may be discharged.

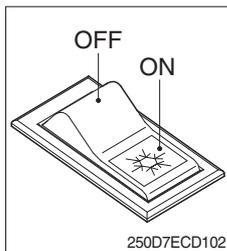
8) REAR WIPER AND WASHER SWITCH



(1) This switch is used to operate the rear wiper and washer by two steps.

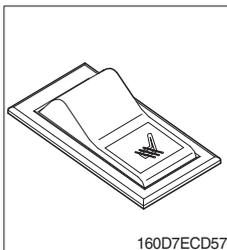
- First step : The rear wiper operates.
- Second step : The washer liquid is sprayed and the rear wiper is operated only while pressing. If release the switch, return to the first step position.

9) AIR CONDITIONER SWITCH



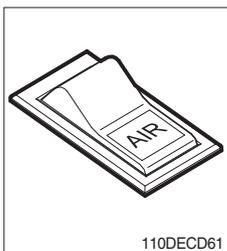
(1) This switch is used to turns ON or OFF the air conditioner .

10) SEAT HEAT SWITCH (option)



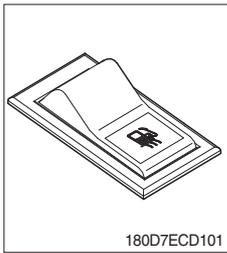
(1) This switch is used to heat the seat.

11) AIR COMPRESSOR SWITCH (option)



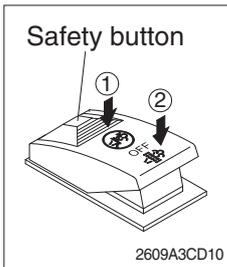
(1) This switch is used to operate air compressor.

12) FUEL HEATER SWITCH



(1) This switch is used for the fuel heater of the pre-heater assy.

13) SCR (Selective Catalytic Reduction) SWITCH



(1) This switch is used to select the cleaning function of the SCR.

(2) Inhibit position (①)

- ① The inhibit position disallows any automatic or manual SCR cleaning.
- ② This may be used by operator to prevent SCR cleaning when the machine is operating in a hazardous environment is concerned about high temperature.
- ③ It is strongly recommended that the this position is only activated when high temperatures may cause a hazardous condition.

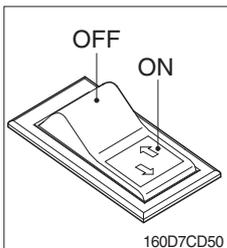
(3) OFF position

This position will initiate a automatic SCR cleaning when needed.

(4) Manual SCR cleaning position (②)

- ① This position will only initiate a manual SCR cleaning and the SCR cleaning lamp is illuminated.
- ② HEST lamp will be illuminated during the entire SCR cleaning.
- ※ Refer to the page 3-27 for details.
- ※ This switch can be move to the manual SCR cleaning position (②) only when the safety button is pulled to backward.
- ※ Also, this switch return to the OFF position when released the manual SCR cleaning position (②).

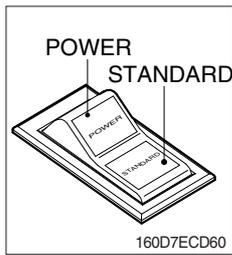
14) INC/DECREMENT SWITCH



(1) When engine running, the low rpm of engine increase or decrease by 25 rpm by operating this switch.

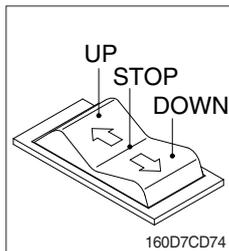
(2) Engine low rpm returns to normal value when engine restarted.

15) ENGINE MODE SWITCH



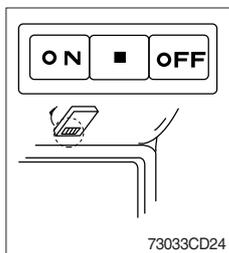
- (1) This switch offers two selectable operating mode.
The operator can adjust the machine's performance with this selection switch.
- (2) Function
 - ① STANDARD MODE : This mode provides maximum fuel efficiency for general loading.
 - ② POWER MODE : This mode provides maximum power output for heavy loading or hill climb.

16) CABIN TILT SWITCH



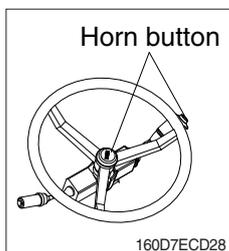
- (1) **Tilting UP cabin**
Press the top of the switch fully to tilt the cabin upward.
 - (2) **STOP the tilting operation (Default)**
Release the switch to stop the tilting operation.
 - (3) **Tilting DOWN cabin**
Press the bottom of the switch fully to tilt the cabin downward.
- ※ Refer to page 7-15 for cabin tilting procedure.

17) CAB LAMP SWITCH



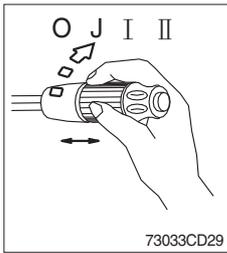
- (1) This switch turns ON the cab room lamp.

18) CENTER HORN



- (1) If you press the button on the top of the multifunction switch and the center of the steering wheel, the horn will sound.

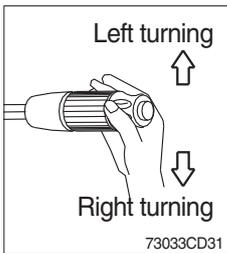
19) MULTI FUNCTION SWITCH



(1) Front wiper and washer switch

- ① When the switch is in J position, the wiper moves intermittently.
- ② When placed in I or II position, the wiper moves continuously.
- ③ If you push the grip of the lever, washer liquid will be sprayed and the wiper will be activated 2-3 times.

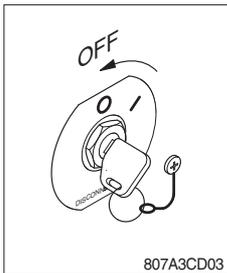
※ **Check the quantity of washer liquid in the tank. If the level of the washer liquid is LOW, add the washer liquid (In cold, winter days) or water. The capacity of the tank is 1 liter.**



(2) Turning switch

- ① This switch is used to warn or signal the turning direction of the truck to other vehicles or equipment.
- ② Push the lever up for turning left, pull the lever down for turning right.

20) MASTER SWITCH

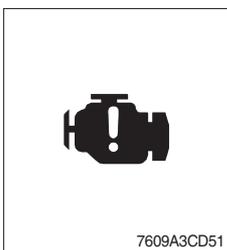


- (1) This switch is used to shut off the entire electrical system. When the machine is not operated for a long time, turn OFF the master switch for the safety purpose.

- (2) I : The battery remains connected to the electrical system.
O : The battery is disconnected to the electrical system.

※ **Never turn the master switch to OFF with the engine running. Engine and electrical system damage could result.**

21) ENGINE STOP WARNING LAMP

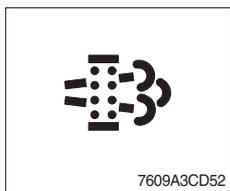


- ① If the lamp lights ON, stop the engine immediately and check the engine.

- ② Check the fault codes on the monitor.

※ **Please contact your Hyundai service center or local dealer.**

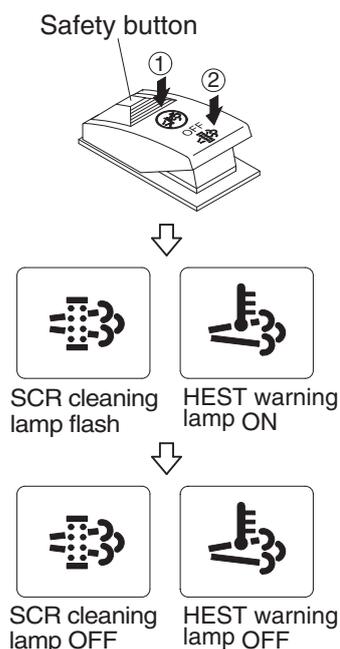
22) SCR (Selective Catalytic Reduction) CLEANING LAMP



- ① This lamp lights ON when the SCR cleaning is needed and lamp flashes when manual SCR cleaning is activated as table below.

Condition	Warning lamp				Remark
	SCR cleaning lamp 	DEF Low Lamp 	Engine Check Lamp 	Engine Stop Lamp 	
SCR needs to be cleaned	On	-	-	-	1. Change to a more challenging duty cycle. 2. Perform manual SCR cleaning.
SCR needs to be cleaned immediately	On	-	On	-	Manual SCR cleaning is required.
Stationary SCR cleaning status	Flash	-	-	-	-
DEF level initial warning	-	On	-	-	DEF level 10% Engine error code 3497
DEF level critical warning	-	Flash	-	-	DEF level 5% Engine error code 3498
DEF level initial warning	-	Flash	On	-	DEF level 2.5% Engine error code 1673, 25% derate
DEF level secondary derate warning	-	Flash	On	-	DEF level 0% Engine error code 3547,3714 50% derate, 30 min.
DEF level final derate warning	-	Flash	On	On	Engine error code 3712 Contact Hyundai service center or dealer.

※ Manual SCR cleaning method



※ Manual SCR cleaning applies if the machine is in a fireproof area and there is no plan to turn off the machine during the SCR cleaning.

① Stop and park the machine.

② Pull the safety button and push the switch to position ② to initiate the manual SCR cleaning.

※ Refer to the page 3-23 for the switch operation.

※ The engine speed may increase during SCR cleaning and it will take approximately 20~60 minutes depending on condition.

③ The SCR cleaning lamp flash and HEST warning lamp will light on during the manual SCR cleaning function is operating.

④ The SCR cleaning and/or HEST warning lamp will light OFF when the SCR cleaning function is completed.

23) SCR CLEANING INHIBIT LAMP



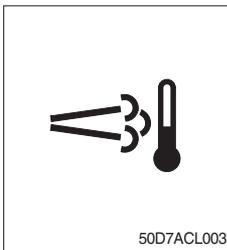
- ① This warning lamp indicates, when illuminated, the SCR cleaning switch is pushed inhibit position, therefore automatic and manual SCR cleaning can not occur.

24) DEF (Diesel Exhaust Fluid) LOW LAMP



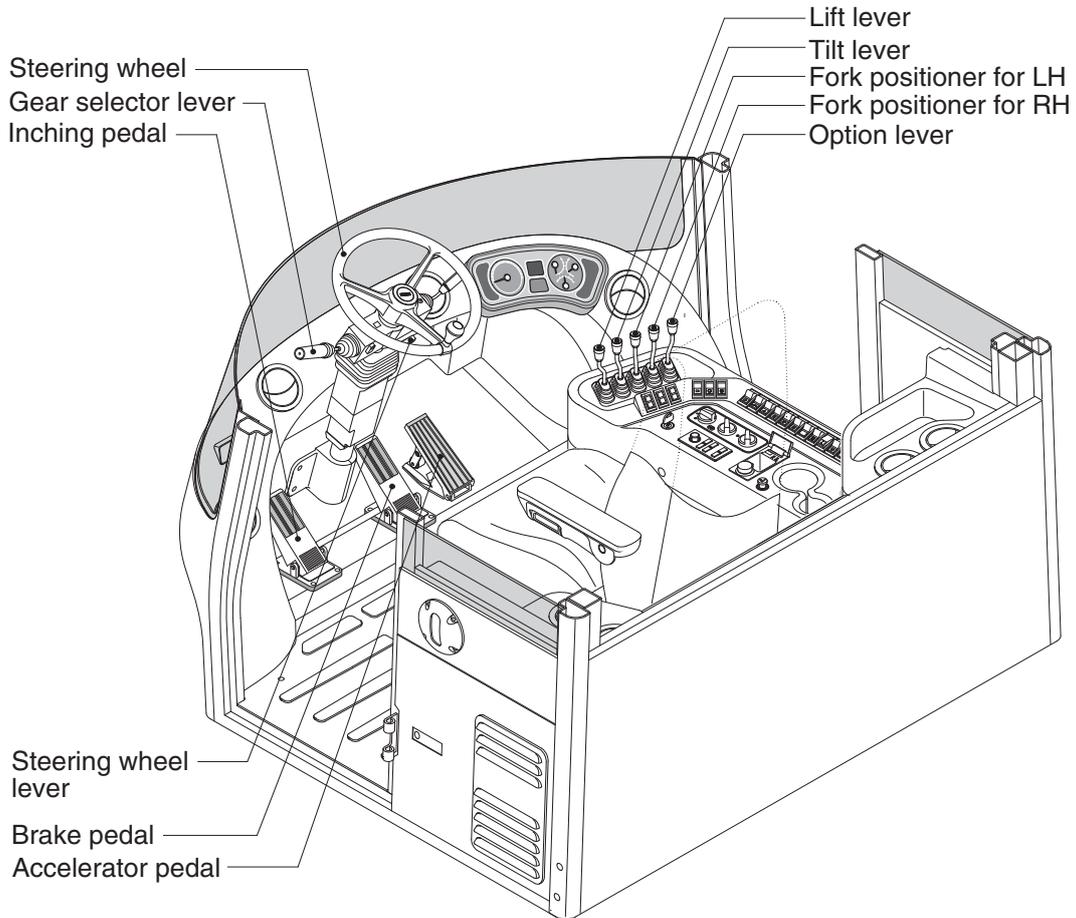
- ① This warning lamp indicates, when illuminated or flashing, that the diesel exhaust fluid level is low.
- ※ **Add the diesel exhaust fluid into DEF tank.**
- ※ **Refer to the page 3-26 for detail.**

25) HEST (High exhaust system temperature) WARNING LAMP



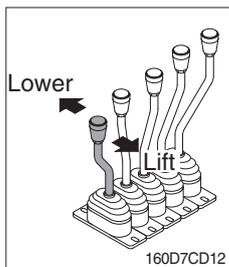
- ① This warning lamp indicates, when illuminated, that exhaust temperatures are high due to SCR cleaning.
 - ② The lamp will also illuminate during a manual SCR cleaning.
 - ③ When this lamp is illuminated, be sure the exhaust pipe outlet is not directed at any surface or material that can melt, burn, or explode.
- ▲ When this lamp is illuminated, the exhaust gas temperature could reach 800°C [1500°F], which is hot enough to ignite or melt common materials, and to burn people.**
- ※ **The lamp does not signify the need for any kind of equipment or engine service; It merely alerts the equipment operator to high exhaust temperatures. It will be common for the lamp to illuminate on and off during normal equipment operation as the engine completes regeneration.**

7. CONTROL DEVICE



250D9CD08

1) LIFT LEVER



(1) LIFT

PULL the lever BACK to LIFT the forks.

(2) LOWER

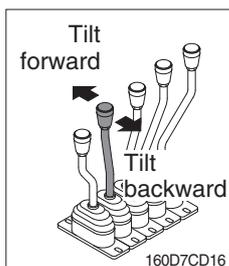
PUSH the lever FORWARD to LOWER the load.

(3) HOLDING

When the lever is released, the lifting or lowering action stops.

- ※ Lifting speed is controlled by accelerator pedal.
- Lowering speed is controlled by lever only.

2) TILT LEVER



(1) TILT FORWARD

PUSH the lever FORWARD to tilt mast FORWARD.

(2) TILT BACKWARD

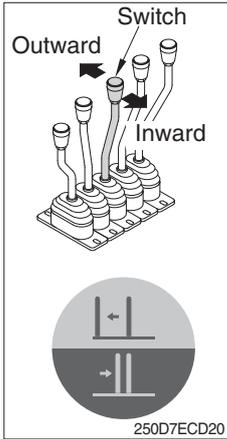
PULL the lever BACK to tilt mast BACKWARD.

(3) HOLDING

When the lever is released, tilting action stops.

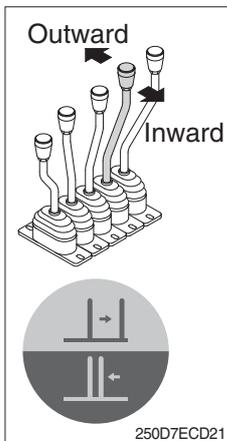
- ※ Forward and backward tilting speeds are controlled by tilt lever and accelerator pedal.

3) FORK POSITIONER



① LH FORK MOVEMENT

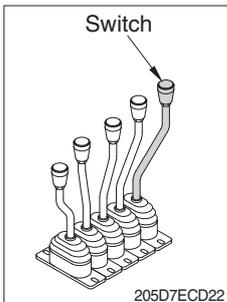
- Push the lever forward to move outward for the LH fork.
- Pull the lever backward to move inward for the LH fork.
- In case of switch operation, this lever becomes side shift which is actually performed by both fork movement.



② RH FORK MOVEMENT

- Push the lever forward to move outward for the RH fork.
- Pull the lever backward to move inward for the RH fork.

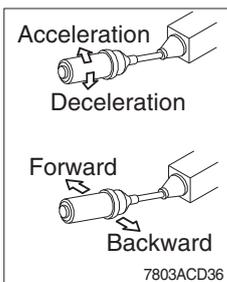
4) OPTION LEVER



OPTIONAL ATTACHMENT MOVEMENT

- Push and pull the lever for optional operation operates.
- In case of switch operation, this lever operates one more attachment.

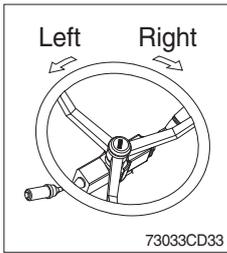
5) GEAR SELECTOR LEVER



- (1) This lever is used for gear selection, forward 3 stages and reverse 3 stages.
- (2) If you push the gear selector lever, the truck moves forward, but pulling the gear selector lever, the truck moves backward.
- (3) If you turn the gear selector lever forward, the truck increases the speed, but if you turn the gear selector lever backward, the truck reduces the speed.

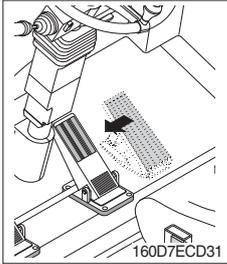
※ **Auto parking function : Parking operated automatically to increase the safety of vehicle when transmission gear is neutral and user leaves seat.**

6) STEERING WHEEL



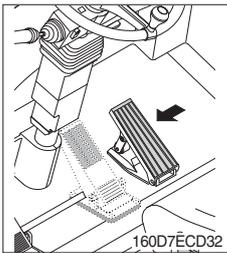
- (1) A steering cylinder in the center of the steering axle will operate the steering function.
- (2) Turning the steering wheel left, the truck moves to the left side and turning it right, the truck moves to the right side.

7) BRAKE PEDAL



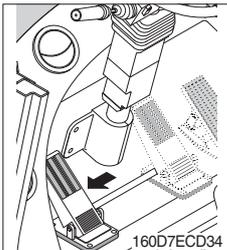
- (1) If the pedal is pushed, braking force is generated and bring the truck to a stop.
- ※ **Do not operate the truck with stepping on the brake pedal unnecessarily, or bring premature wear of brake disc.**

8) ACCELERATOR PEDAL



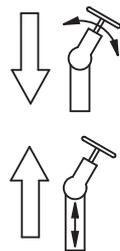
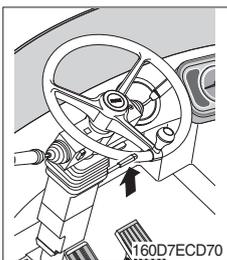
- (1) This pedal controls the engine speed. The engine speed will increase in proportion to the degree of force applied to this pedal.
- (2) Unless this pedal is pressed, the truck will run at low idling.

9) INCHING PEDAL



- (1) Inching pedal is used for fine control of forward and reverse movement when lifting up or putting down loads.
- ※ **Do not put your foot on the inching pedal or brake pedal unless using it.**

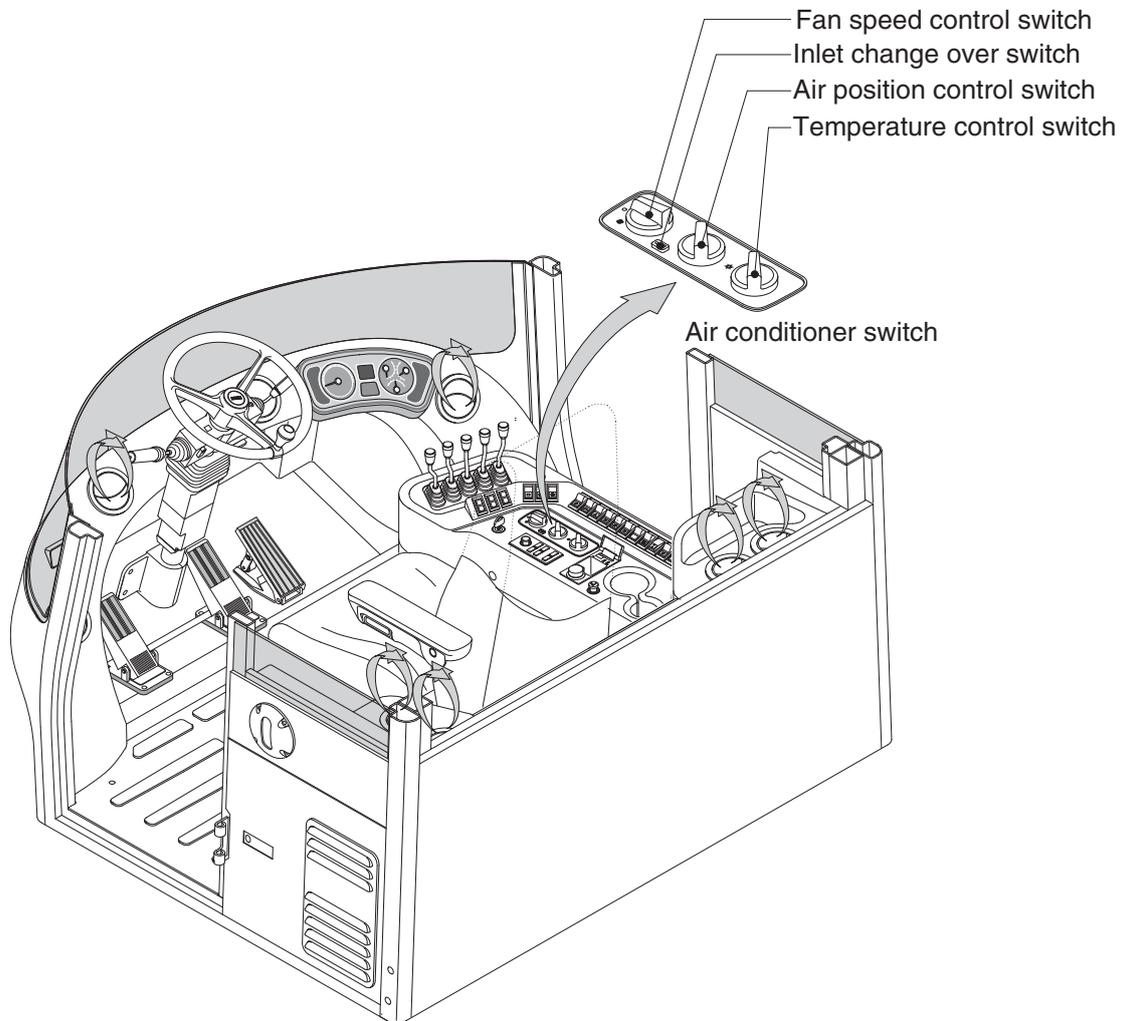
10) STEERING WHEEL LEVER



- (1) By pulling down the lever, the wheel is adjustable to tilt.
- (2) By pulling up the lever, the wheel is adjustable to telescope.

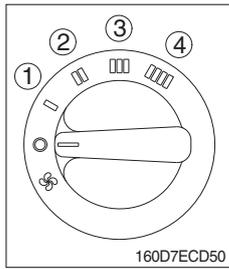
8. AIR CONDITIONER AND HEATER

Air conditioner and heater are equipped for pleasant operation against outside temperature and defrost on window glass.



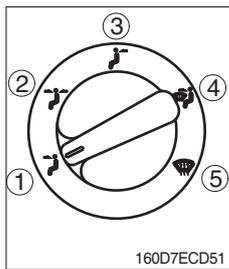
250D9CD90

1) FAN SPEED CONTROL SWITCH



(1) It is possible to control the fan speed to four steps.

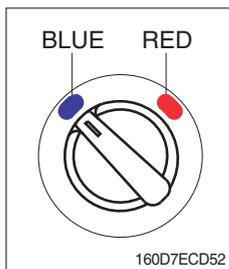
2) AIR POSITION CONTROL SWITCH



(1) This switch regulates the air position.

- ① Front
- ② Front & rear
- ③ Rear
- ④ Front & defrost
- ⑤ Defrost

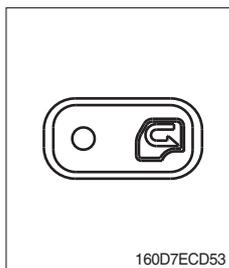
3) TEMPERATURE CONTROL SWITCH



(1) This switch regulates the temperature of air.

- Right side (red zone) : Heat up air temperature
- Left side (blue zone) : Cool down air temperature

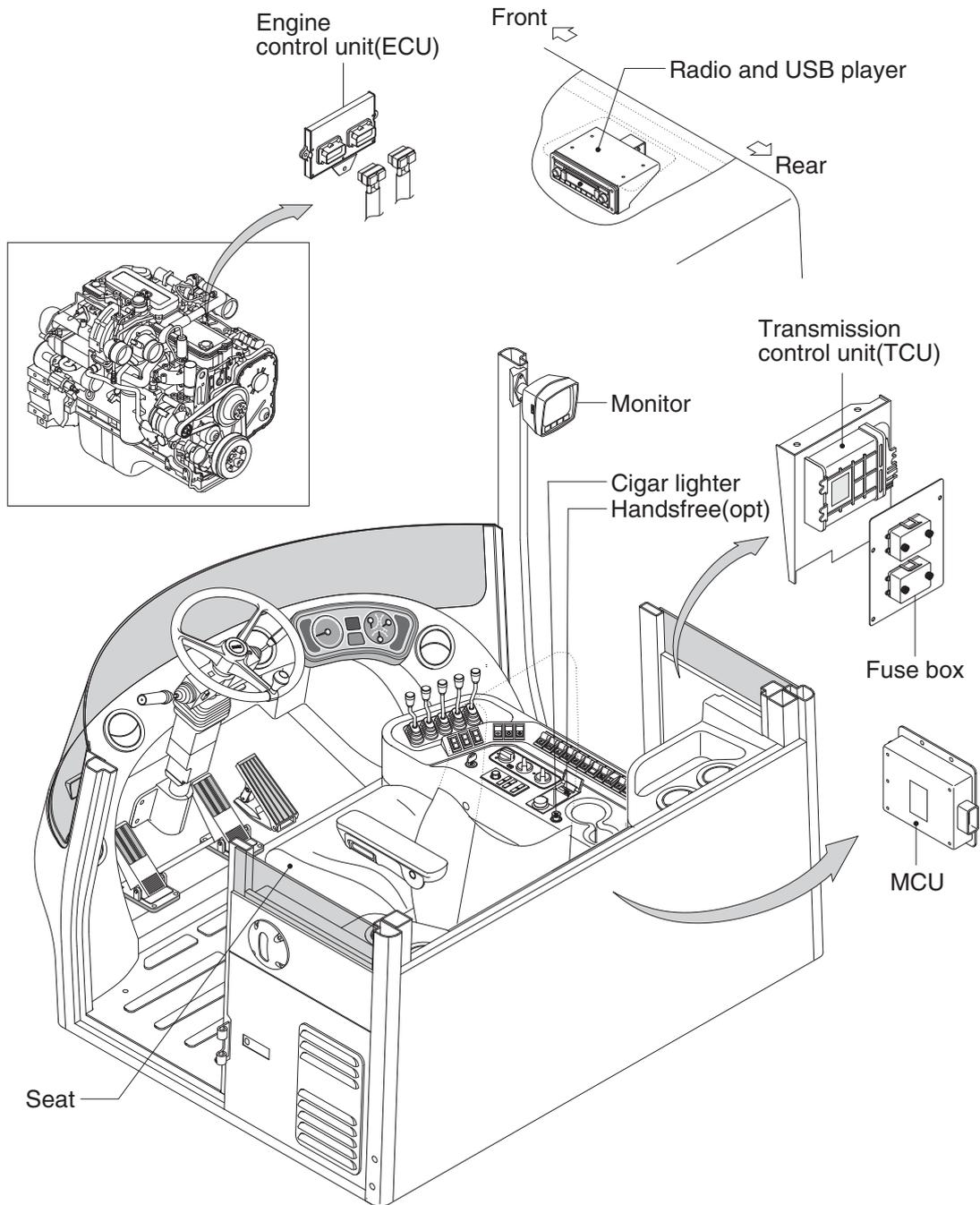
4) INLET CHANGE OVER SWITCH



(1) If this switch is pressed, air from the outside is inhaled

(2) If this switch is not pressed, air in the cab is recirculated.

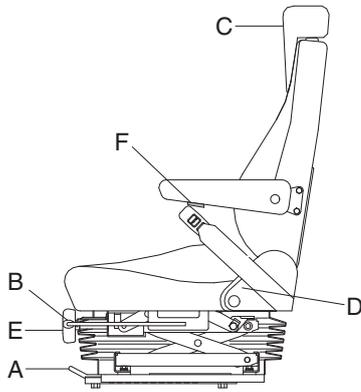
9. OTHERS



250D9CD09

1) SEAT

The seat is adjustable to fit the contours of the operator's body. It will reduce operator fatigue due to long work hours and enhance work efficiency.



180D7ECD50

(1) Forward/Backward adjustment

Pull lever (A) to adjust seat forward or backward.

(2) Upward/Downward adjustment

Push or pull the height adjust lever (B) to adjust seat upward or downward.

(3) Reclining adjustment

Pull lever (D) to adjust seat back rest.

(4) Arm rest adjustment

This can be adjusted by turning the handle (F) to right and left.

(5) Cushion adjustment (E)

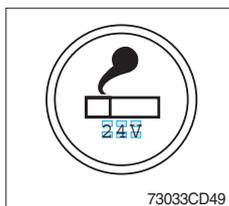
Adjusting handle to the operator's weight.

(6) Shoulder rest (C)

The shoulder rest can be adjust to upside.

※ Refer to page 5-8 for the details.

2) CIGAR LIGHTER



(1) This can be used when the engine starting switch is ON.

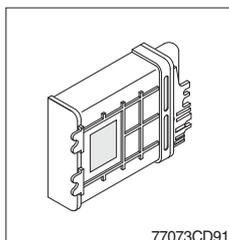
(2) The lighter can be used when it springs out in a short while after being pressed down.

※ Service socket

Use cigar lighter socket when you need emergency power.

Do not use the lighter exceeding 24V, 100W.

3) TRANSMISSION CONTROL UNIT (TCU)

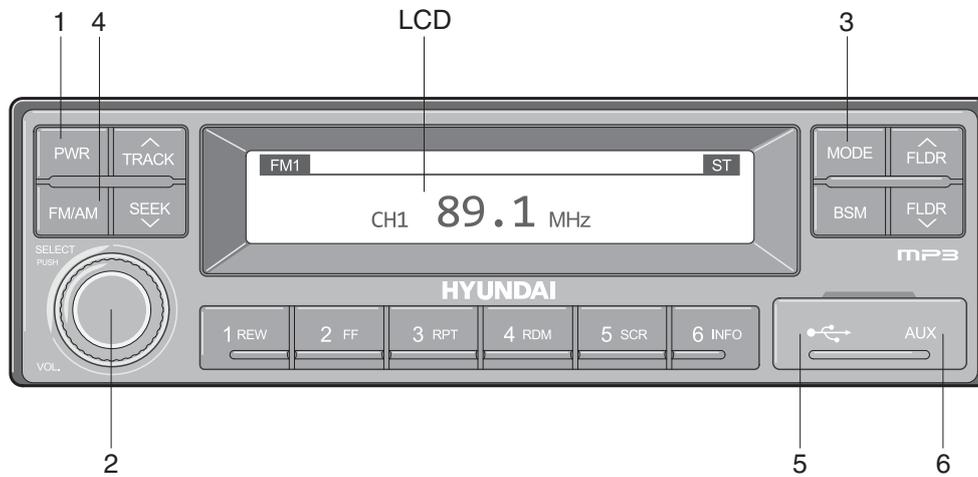


(1) The control unit is shifting the required speeds fully-automatically under consideration of the following criteria.

- Gear selector lever position
- Driving speed
- Load level

4) RADIO AND USB PLAYER

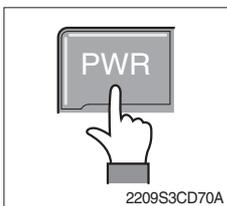
■ BASIC FUNCTIONS



2209S3CD70

- | | |
|-------------------------------|----------------------------------|
| 1 Power (PWR) button | 4 Radio (FM/AM) selection button |
| 2 Volume/Sound setting button | 5 USB slot |
| 3 Mode selection button | 6 AUX terminal |

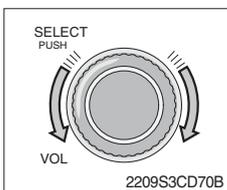
(1) Power (PWR) button



- ① Press the PWR button to turn on the audio. While the audio is operating, press the button to turn the power off.

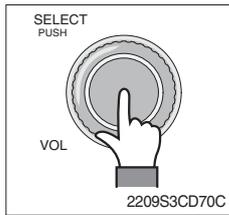
(2) Volume/Sound setting button

· Volume (VOL) button



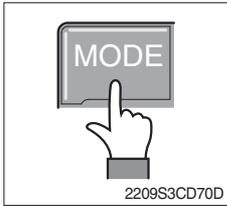
- ① Turn the VOL button clockwise to increase the volume and counter-clockwise to decrease the volume.

• Sound setting



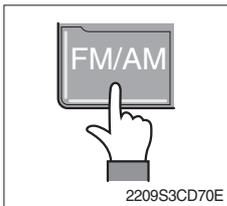
- ① Press the SELECT button to conduct sound setting.
Each press of the button will change the sound setting in the following order.
BASS → MIDDLE → TREBLE → BALANCE → EQ → BEEP
- ② After selecting the desired setting, turn the SELECT button clockwise/counter-clockwise to adjust the sound setting value.
- ③ **BASS adjustment**
Turn the SELECT button clockwise to increase the bass and counter-clockwise to decrease the bass. BASS can be adjusted from max +10/min -10. If there are no adjustments for 3 seconds, the changes will be saved and the previous mode will be restored.
- ④ **MIDDLE adjustment**
Turn the SELECT button clockwise to increase the middle and counter-clockwise to decrease the middle. MIDDLE can be adjusted from max +10/min -10. If there are no adjustments for 3 seconds, the changes will be saved and the previous mode will be restored.
- ⑤ **TREBLE adjustment**
Turn the SELECT button clockwise to increase the treble and counter-clockwise to decrease the treble. TREBLE can be adjusted from max +10/min -10. If there are no adjustments for 3 seconds, the changes will be saved and the previous mode will be restored.
- ⑥ **Left/Right BALANCE adjustment**
Turn the SELECT button clockwise to increase the right-side speaker volume and counter-clockwise to increase the left-side speaker volume. BALANCE can be adjusted from 10L/10R. If there are no adjustments for 3 seconds, the changes will be saved and the previous mode will be restored.
- ⑦ **EQ (EQUALIZER) adjustment**
Turn the SELECT button clockwise/counter-clockwise to select the desired EQ. EQ settings are as shown below.
Cls (classic) → Pop → Rock → Jazz → off
If there are no adjustments for 3 seconds, the changes will be saved and the previous mode will be restored.
※ **Upon selecting EQ, the BASS, MIDDLE and TREBLE values will be turned off.**
The BASS, MIDDLE, TREBLE values can be set only when EQ Off is selected.
- ⑧ **BEEP sound adjustment**
Turn the SELECT button clockwise/counter-clockwise to the beep sound ON/OFF. If there are no adjustments for 3 seconds, the changes will be saved and the previous mode will be restored.

(3) MODE selection button



- ① Press the MODE button to change to RADIO/USB/AUX/iPod modes. However, the mode can be selected only when the respective media is connected.
 - ② If iPod is connected to the audio, the mode will change in the following order.
RADIO → iPod → USB (handfree)
 - ③ If USB, AUX is connected to the audio, the mode will change in the following order.
RADIO → USB(front) → USB(handfree) → AUX
- ※ **USB and AUX mode will operate only when corresponding devices are connected.**
 - ※ **When connecting iPod, AUX and front USB cannot be connected.**
 - ※ **The iPod is connected to the USB in the machine handfree.**

(4) Radio (FM/AM) selection button



- ① Each press of the FM/AM button will change the radio mode in the following order.
FM1 → FM2 → FM3 → AM
- ② Preset memory of up to FM : 18 stations, AM : 6 stations

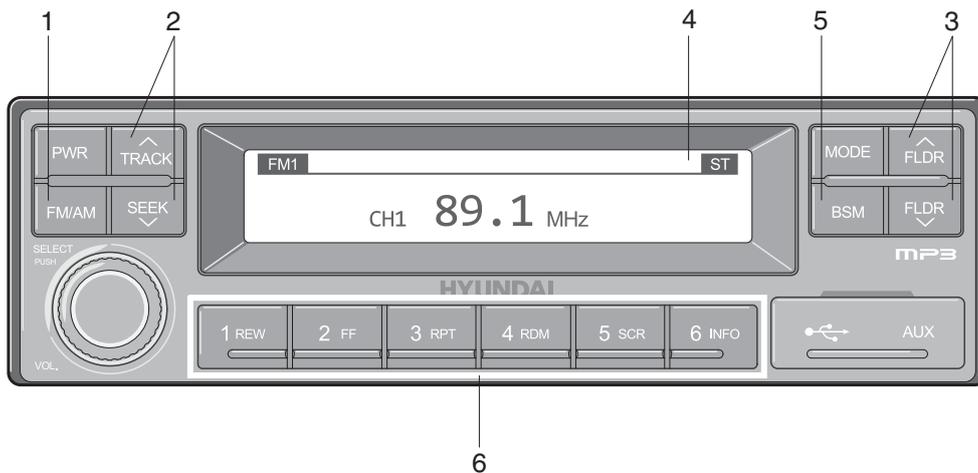
(5) USB slot

Connects USB to play USB music files.

(6) AUX terminal

Connects AUX cable to play AUX music files.

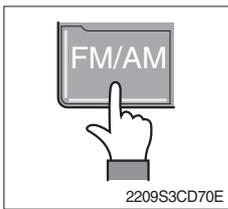
■ RADIO



2209S3CD71

- | | | | |
|---|---------------------------------------|---|--|
| 1 | Radio (FM/AM) selection button | 4 | LCD display |
| 2 | TRACK/SEEK button | 5 | BSM (Best Station Memory) button |
| 3 | Broadcast manual search (FLDR) button | 6 | Saving broadcast frequencies to PRESET numbers |

(1) Radio (FM/AM) selection button



2209S3CD70E

① Each press of the FM/AM button will change the radio mode in the following order.

FM1 → FM2 → FM3 → AM

② In addition, pressing the FM/AM button when the starting switch is in ON state will turn the power on and activate the radio.

③ **Setting regional Radio Frequency**

▶ North America Frequency

Press the FM/AM and Preset 1 button simultaneously to set frequency in accordance to the North America Frequency settings. "nA" will become displayed on the LCD for one second.

FM : 87.7 ~ 107.9 MHz (200 KHz)

AM : 530 ~ 1710 KHz (10 KHz)

▶ Local/Middle East/Asia Frequency

Press the FM/AM and Preset 2 button simultaneously to set frequency in accordance to the Local/Middle East/Asia Frequency settings. "InT" will become displayed on the LCD for one second.

FM: 87.5 ~ 108 MHz (100 KHz)

AM: 531 ~ 1602 KHz (9 KHz)

▶ Europe Frequency

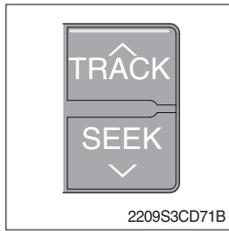
Press the FM/AM and Preset 3 button simultaneously to set frequency in accordance to the North America Frequency settings. "Eu" will become displayed on the LCD for one second.

FM: 87.5 ~ 108 MHz (50 KHz)

MW: 531 ~ 1602 KHz (9 KHz)

LW: 153 ~ 279 KHz (1 KHz)

(2) TRACK/SEEK button



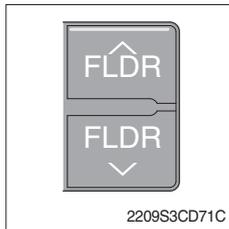
- ① As buttons used to automatically search broadcasts, pressing the button will automatically search and stop at a frequency with superior reception.

TRACK ^ : Searches frequencies higher than current frequency

SEEK v : Searches frequencies lower than current frequency

- ※ When frequencies cannot be properly found due to weak broadcast reception, try using manual FLDR button. (Refer to manual FLDR button explanation below)

(3) Broadcast manual search (FLDR) button



- ① As button used to search frequencies manually, a press of the SEEK step (refer to note below) will change the frequency.

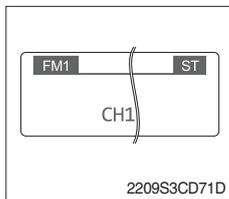
Pressing and holding the button will continue changing the frequency. Releasing the button will stop the search at the current frequency.

FLDR ^ : Searches frequencies higher than current frequency

FLDR v : Searches frequencies lower than current frequency

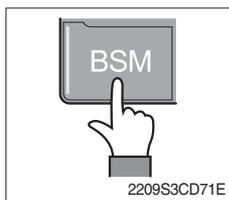
- ※ SEEK STEP : FM-100KHz, AM-9KHz

(4) LCD display



- ① The currently received broadcast frequency info and status are displayed.

(5) BSM (Best Station Memory) button

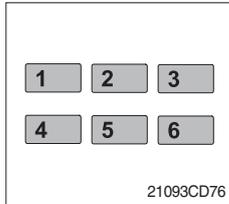


- ① Press and hold the BSM button to listen to the presets saved in FM BAND FM1, FM2, and FM3 or AM BAND AM for 5 seconds each.

When you find a station you wish to listen to, press the BSM button again to receive the selected broadcast.

- ② Shortly press the BSM button to automatically save frequencies with superior reception in presets (1REW~6INFO). The BSM feature will save AM frequencies in AM mode and FM frequencies in FM mode.

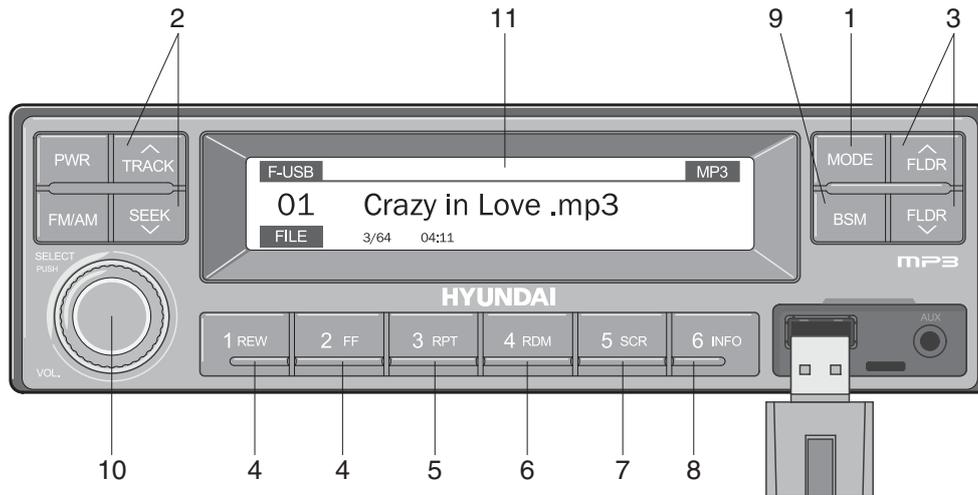
(6) Saving broadcast frequencies to PRESET numbers



Up to 18 FM broadcasts and 6 AM broadcasts can be saved.

- ① Use the auto/manual search buttons to find the desired frequency.
 - ② Select the preset button (1REW~ 6INFO) to which you wish to save the selected frequency. Press and hold the preset button.
 - ③ The frequency will be saved to the preset button to a sound of a beep. The saved frequency number will be displayed on the LCD DISPLAY. (However, the beep will not sound if the beep function has been turned off in sound setting.)
 - ④ After saving is complete, pressing the preset button will play the corresponding broadcast frequency.
- ※ No beep sound signifies that the preset has not been saved. In this case, try again from the first step. (However, the beep will not sound if the beep function has been turned off in sound setting.)

■ USB CONNECTION

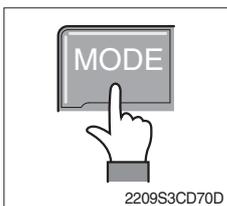


2209S3CD72

- | | | | |
|---|---------------------------|----|--|
| 1 | USB selection button | 7 | Scroll (SCR) button |
| 2 | TRACK UP/SEEK DOWN button | 8 | View music info (INFO) button |
| 3 | FLDR UP/DOWN button | 9 | Scan button (BSM) |
| 4 | FF/REW button | 10 | Finding and playing file (SELECT) button |
| 5 | RPT/FOLDER RPT button | 11 | LCD display |
| 6 | RDM/FOLDER RDM button | | |

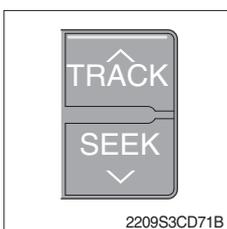
- Operates only when a USB is connected. Connecting a USB to the audio will automatically convert to USB mode.
- Connecting the USB when the starting switch is in ON state will turn the power on and automatically play the songs within the USB.

(1) USB selection button



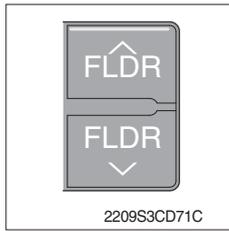
- ① While playing a different mode, press the MODE button to convert to USB mode. Connecting a USB to the audio will automatically convert to USB mode even if another mode is playing and automatically play the songs within the USB.
- ② If the USB is connected to both the front USB and handfree, then MODE is converted in the following order.
RADIO → USB(front) → USB(handfree)

(2) TRACK UP/SEEK DOWN button



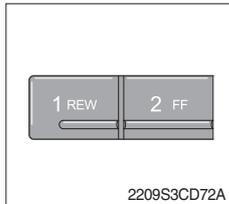
- ① While playing USB, press the TRACK ^ button to play the beginning of the next song.
Press the SEEK v button to return to the beginning of the current song. Press the button again to play the beginning of the previous song.

(3) FLDR UP/DOWN button



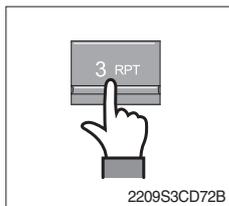
- ① If there are more than 2 folders in the USB, pressing the FLDR UP/DOWN button will move to the previous or next folder.
- ② If there are no folders in the USB, then pressing the button will move up/down within the folder in 10 file increments.

(4) FF/REW button



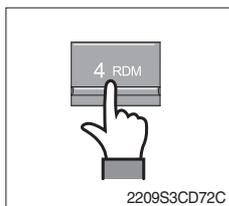
- ① While a USB is operating, press and hold the FF button to fast-forward the song. When fast-forward is complete, the next song will properly play from the beginning even if you continue holding the button. Press and hold the REW button to rewind the song. When rewind is complete, the current song will properly play from the beginning even if you continue holding the button. Shortly pressing the buttons will not operate the FF/REW.

(5) RPT/FOLDER RPT button



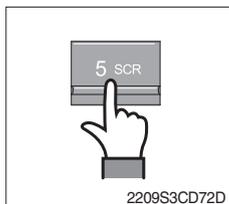
- ① While music is playing, shortly press the RPT button to repeat the currently playing song.
- ② (RPT function) Press and hold the RTP button to sequentially repeat all songs within the current folder. (FOLDER RPT, however, music files in the USB must be saved in folder format.)

(6) RDM/FOLDER RDM button



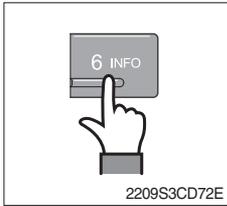
- ① While music is playing, shortly press the RDM button to randomly play the songs in the current folder. (RDM)
- ② While music is playing, press and hold the RDM button to randomly play the songs in the current folder. (FOLDER RDM, however, music files in the USB must be saved in folder format.)

(7) Scroll (SCR) button



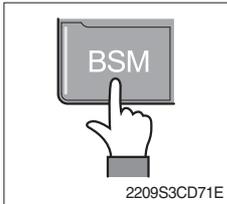
- ① Press the SCR button to turn ON/OFF the scroll function which scrolls the file name of the currently playing song on the LCD from right to left.

(8) View music info (INFO) button



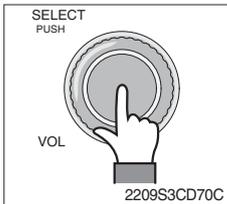
- ① Each time the INFO button is pressed, the info on the currently playing song will be displayed in the following order.
FILE NAME → TITLE → ARTIST → ALBUM → DIR

(9) Scan button (BSM)



- ① While music is playing, shortly press the BSM button to scan each song within the USB for 10 seconds in sequential order. (SCN)
- ② Press and hold the BSM button to scan each song within the current folder for 10 seconds in sequential order. (FOLDER SCN, however, music files in the USB must be saved in folder format.)

(10) Finding and playing file (SELECT) button



- ① While USB is playing, press and hold the SELECT button for over 3 seconds to enter FILE BROWSER mode and search for desired files.

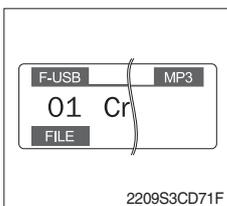
After entering FILE BROWSER mode, turn the SELECT button left/

- ② right to find the desired folder. After finding the folder, press the SELECT button to select the folder. Turn the SELECT button left/right to find the desired song and press the SELECT button to play.

If there are no adjustments for 3 seconds after pressing the

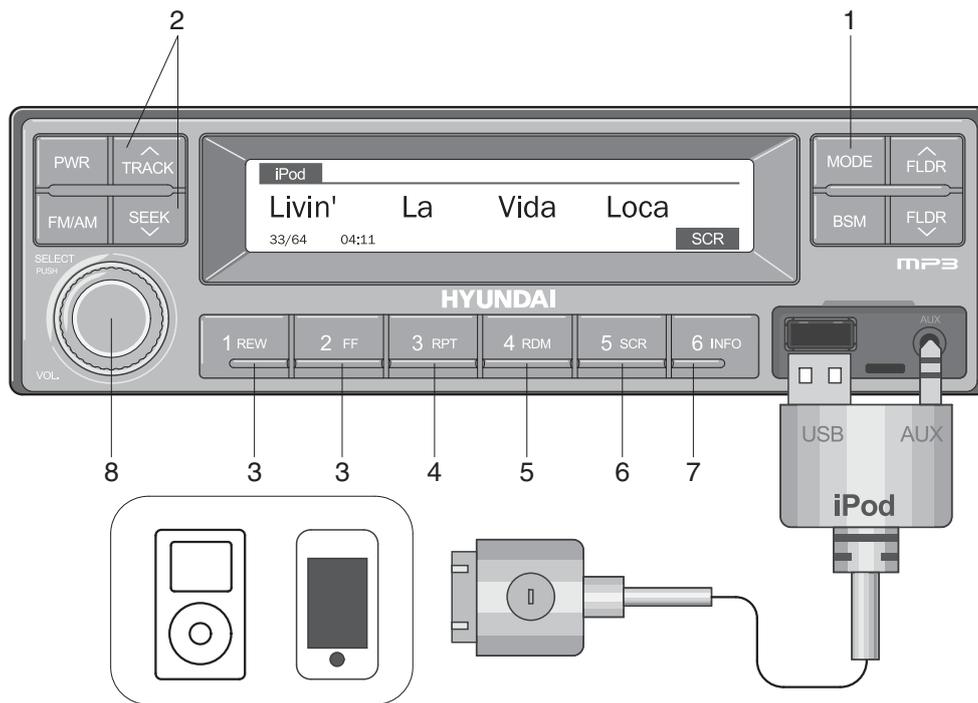
- ③ SELECT button, the function will be turned off and the USB play screen will be displayed.

(11) LCD display



- ① Displays the info of the currently playing song.
 - F-USB : Displays USB is connected to the Audio Front
 - R-USB : Displays USB is connected to the handfree
 - RPT : Displays that repeat function is turned on
 -  RPT : Displays that folder repeat function is turned on
 - RDM : Displays that random play is turned on
 -  RDM : Displays that folder random play is turned on
 - SCR : Displays that SCROLL is turned on

■ IPOD CONNECTION

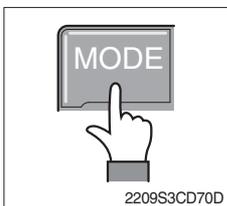


2209S3CD73

- | | |
|-----------------------------|--|
| 1 iPod selection button | 5 Random play (RDM) button |
| 2 TRACK UP/SEEK DOWN button | 6 Scroll (SCR) button |
| 3 FF/REW button | 7 View music info (INFO) button |
| 4 Repeat (RPT) button | 8 Finding and playing file (SELECT) button |

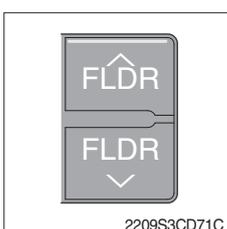
- Operates only when an iPod is connected. Connecting an iPod to the audio will automatically convert to iPod mode. Connecting the USB when the starting switch is in ON state will turn the power on and automatically play the songs within the iPod.
- The iPod cable is supplied separately.

(1) iPod selection button



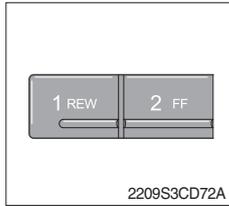
- ① While playing a different mode, press the MODE button to convert to iPod mode. Connecting an iPod to the audio will automatically convert to iPod mode even if another mode is playing and automatically play the songs within the iPod.

(2) TRACK UP/SEEK DOWN button



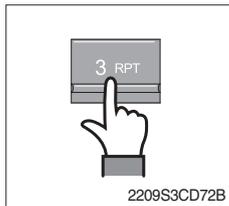
- ① While playing music, press the TRACK ^ button to play the beginning of the next song. Press the SEEK v button to return to the beginning of the current song. Press the button again to play the beginning of the previous song.

(3) FF/REW button



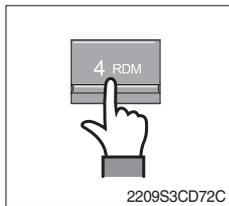
- ① While an iPod is operating, press and hold the FF button to fast-forward the song.
- ② When fast-forward is complete, the next song will properly play from the beginning even if you continue holding the button. Press and hold the REW button to rewind the song.
- ③ When rewind is complete, the current song will properly play from the beginning even if you continue holding the button.
- ④ Shortly pressing the buttons will not operate the FF/REW.

(4) Repeat (RPT) button



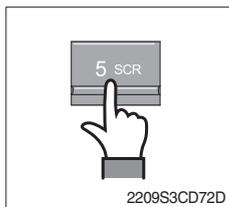
- ① While music is playing, press the RPT button to repeat the currently playing song.

(5) Random play (RDM) button



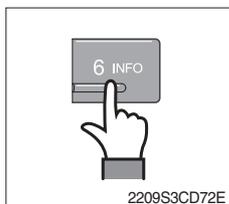
- ① While music is playing, press the RDM button to randomly play the songs.

(6) Scroll (SCR) button



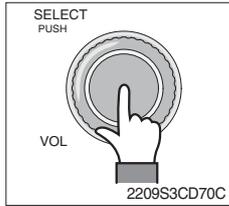
- ① Displays the file name of the currently playing song on the LCD. Here, the SCR button turns the file name SCROLL ON/OFF.

(7) View music info (INFO) button



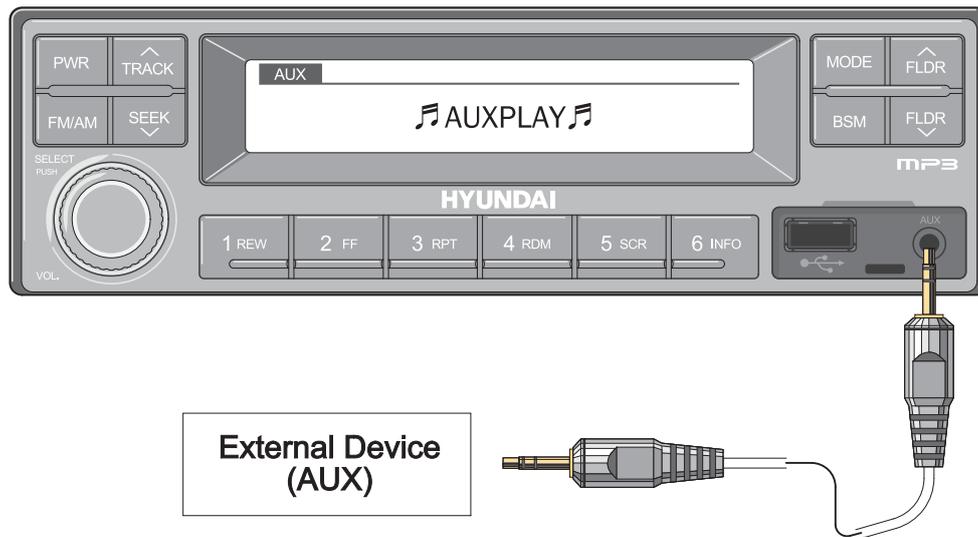
- ① Each time the INFO button is pressed, the info on the currently playing song will be displayed in order of ARTIST → ALBUM → TITLE.

(8) Finding and playing file (SELECT) button



- ① While iPod is playing, press and hold the SELECT button for over 3 seconds to enter CATEGORY mode and search for desired files.
- ② After entering CATEGORY mode, turn the SELECT button left/right to find the desired category.
- ③ Category will be displayed in the following order.
PLAYLISTS → ARTISTS → ALBUMS → GENRES → SONGS → COMPOSERS → AUDIOBOOKS → PODCASTS
- ④ After finding the category, press the SELECT button to select the category. Turn the SELECT button left/right to find the desired song and press the SELECT button to play.
- ⑤ If there are no adjustments for 3 seconds after pressing the SELECT button, the function will be turned off and the iPod play screen will be displayed.

■ AUX connection



2209S3CD74

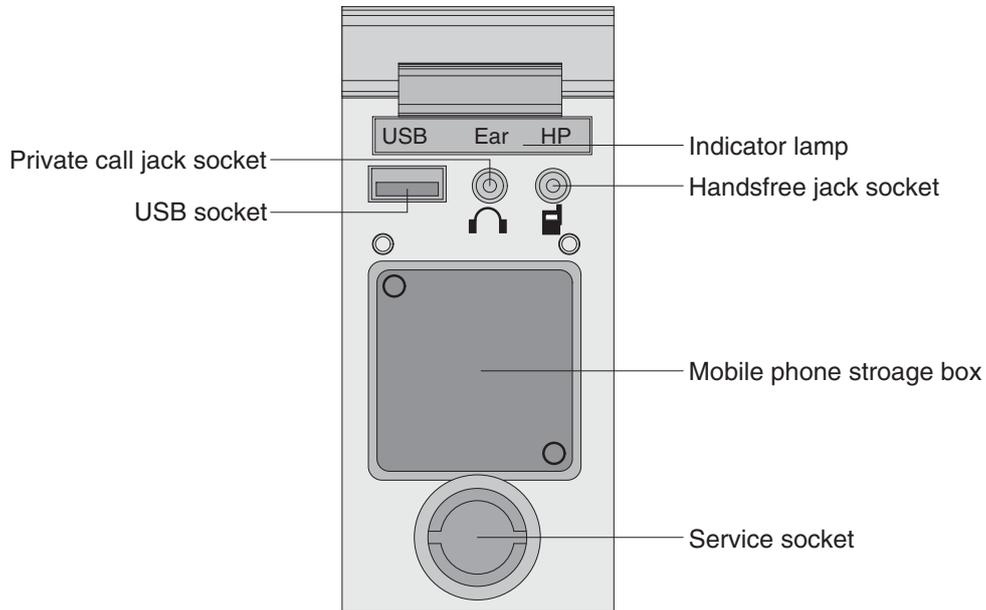
- Operates only when an external device is connected to AUX. Connecting an AUX device to the audio using the AUX cable will automatically convert to AUX mode.
- When an external device is connected, only the PWR, FM/AM, MODE, and VOL buttons can be operated.
- Settings can be made only through the external device connected to AUX.
- The AUX cable is supplied separately.

(1) Connecting an external device using the AUX cable

- ① While playing a different mode, press the MODE button to convert to AUX mode.
- ② If an external device is connected to the Audio through the AUX terminal, AUX mode will automatically be converted and play music from AUX. Connecting the AUX when the starting switch is in ON state will turn the power on and automatically play the songs within the AUX.

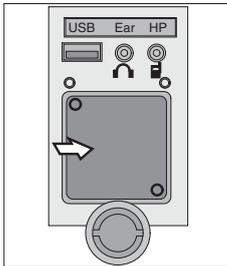
5) HANDSFREE

Allow you to dial a call or to have a conversation without holding your handset. Use the remote controller when making and answering a calls or ring off.



21093CD51

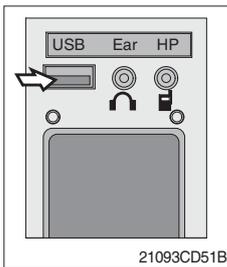
(1) Mobile phone storage box



21093CD51A

- ① Mobile phone can be stored when call by handsfree.

(2) USB socket



21093CD51B

- ① This socket is used to charging the mobile phone.

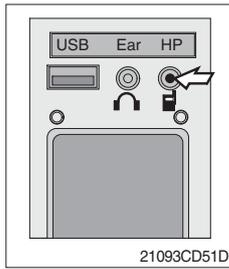
(3) Private call jack socket



21093CD51C

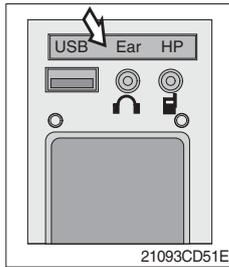
- ① This can be used protect you privacy calling by using ear phone.
- ② The mobile phone must be connected handsfree jack socket.

(4) Handsfree jack socket



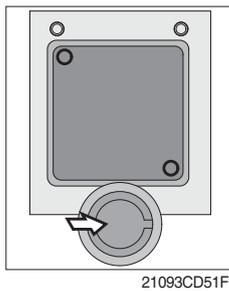
- ① Connect the jack cable when call by handsfree.
- ② Use the special adapter when jack cable is not interchangeable.
- ③ Check the jack type of mobile phone before use.

(5) Indicator lamp



- ① This lamp is turned ON when the handsfree mode selected.

(6) Service socket



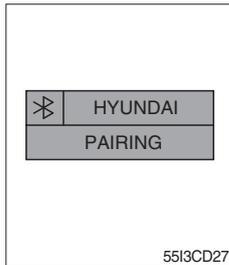
- ① Utilize the power of 12 V as your need and do not exceed power of 12 V, 30 W.

(7) Wireless handsfree

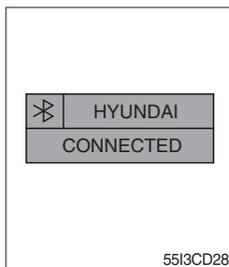


- ① Select the handsfree mode by pressing bluetooth button on the mobile phone.

Press the **CALL** button for more than 6 seconds for pairing (connection process of the mobile phone and handsfree), you can hear beep sounds three times.

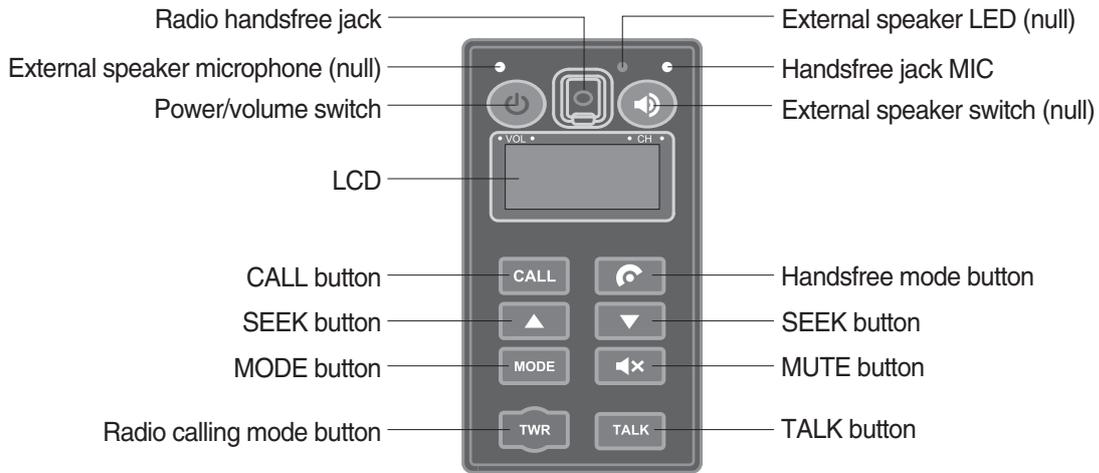


- ② The mobile phone finds bluetooth named "HYUNDAI".
Select "HYUNDAI" and set "connect with Bluetooth on the mobile phone".
· Default password : 0000



- ③ The Bluetooth pairing is made, the LCD screen shows "CONNECTED".
- ④ Once the Bluetooth pairing is made, they will be automatically connected after 20 seconds when start key ON.
- ⑤ When you want to deactivate the pairing, press and hold the **CALL** button for more than 3 seconds then you can hear beep sounds twice and the function will be deactivated.

6) REMOTE CONTROLLER



55I3CD31

(1) Power and volume switch



55I3CD31A

- ① This switch is used to turn the audio or handsfree ON or OFF.
 - ② This switch is turned to right, the handsfree volume is increased over 7 steps.
 - ③ If it is turned to left, volume will be decreased.
- ※ **This switch adjust the audio volume when selected audio mode.**

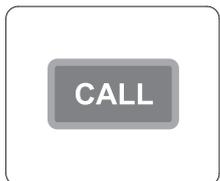
(2) Mode change button



55I3CD31B

- ① This button is to select the handsfree mode or audio mode.
 - Lamp ON : Handsfree mode ("TEL MUTE" displayed ON audio LCD)
 - Lamp OFF : Audio mode

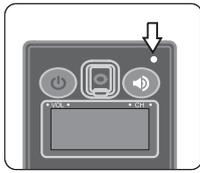
(3) Call button



55I3CD31C

- ① This button is used answer a call, last number radial, ring off.
 - ② For calling, press the button 0.5~1.5 seconds until the beep sounds.
- ※ **This can be used when the starting switch is ON.**

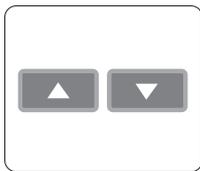
(4) Handsfree MIC



55I3CD31D

- ① This MIC transfers user voice to receiver of the call when making a call by handsfree.

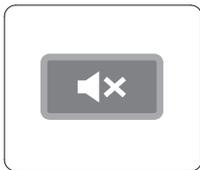
(5) Seek button



55I3CD31E

- ① If this button pressed, the radio automatically stops at the next frequency of broadcasting for your listening.
- ② This button enable to select the song of the MP3 from USB.
 - ▲ : Turn a station of higher frequency and the next song of the MP3.
 - ▼ : Turn a station of lower frequency and the previous song of the MP3.

(6) Mute button



55I3CD31F

- ① Short press this button to mute or cancel the mute (silence) while broadcasting.

(7) Mode button



55I3CD31G

- ① Press the mode button to select the desired mode.
 - ② Radio → MP3 → AUX
- ※ **The LCD displayed each mode.**

(8) Radio calling mode button



55I3CD31H

- ① Press this button, activated or deactivated the radio handsfree function.
- ② As long as you do not press this button, you can hear the other party.
- ③ The LED is turned ON when this button is activated.
The LED turned OFF when the audio mode or the mobile phone handsfree calling mode is activated.

※ **Radio handsfree**

You can make a call to external worker without holding the radio by hand. (The radio is not installed to the machine).

(9) Talk button



55I3CD31J

- ① The call is connected while pressing this button (when TALK button is activated).
- ※ **Unlike mobile phones, when you want to talk through the radio, you need to press the button (Push-to-talk method).**
While one is talking through the radio, the other party can only listen to him/her.

(10) Handsfree jack



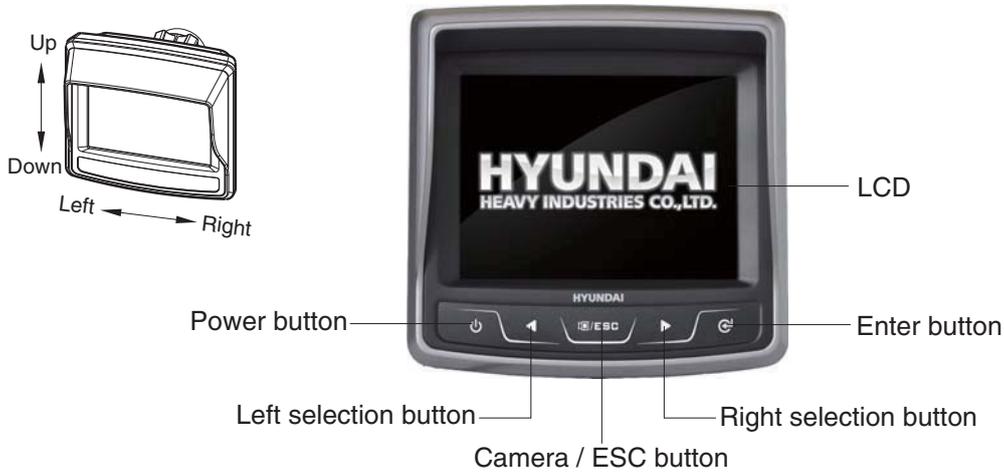
55I3CD31K

- ① Connect the jack cable when call by radio handsfree.

7) MONITOR

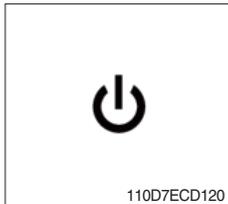
Adjusting the angle

- Upwards and downwards up to 7°, total 14°.
- Swivels left and right up to 15°, total 30°.



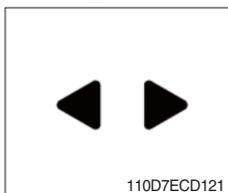
250D7ECD100

(1) Power button



- ① To turn the power off or on.
- ② To switch the monitor on or off, press and hold the power button for two second.

(2) Left / right selection button



- ① Select button allow you to select various monitor options and to input passwords.

(3) Camera / ESC button



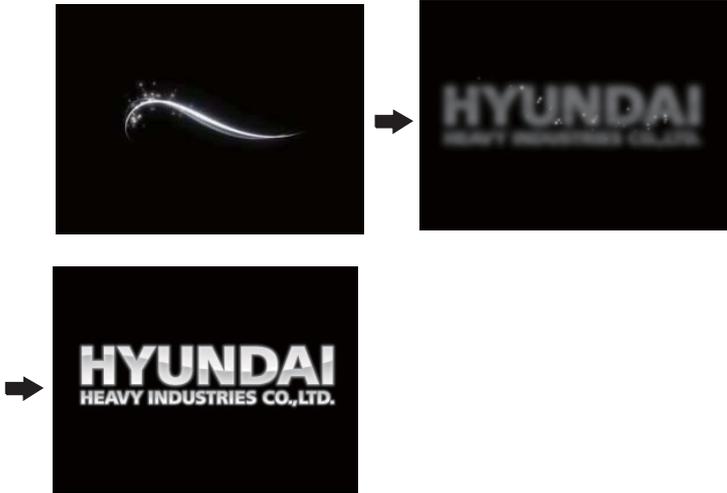
- ① To enter camera screen, press the Camera/ESC button at the menu selection screen.
- ② To return to the menu selection screen, press the Camera/ESC button on the camera screen.
- ③ To cancel menu selection or escape from the menu, press the Camera/ESC button.

(4) Enter button

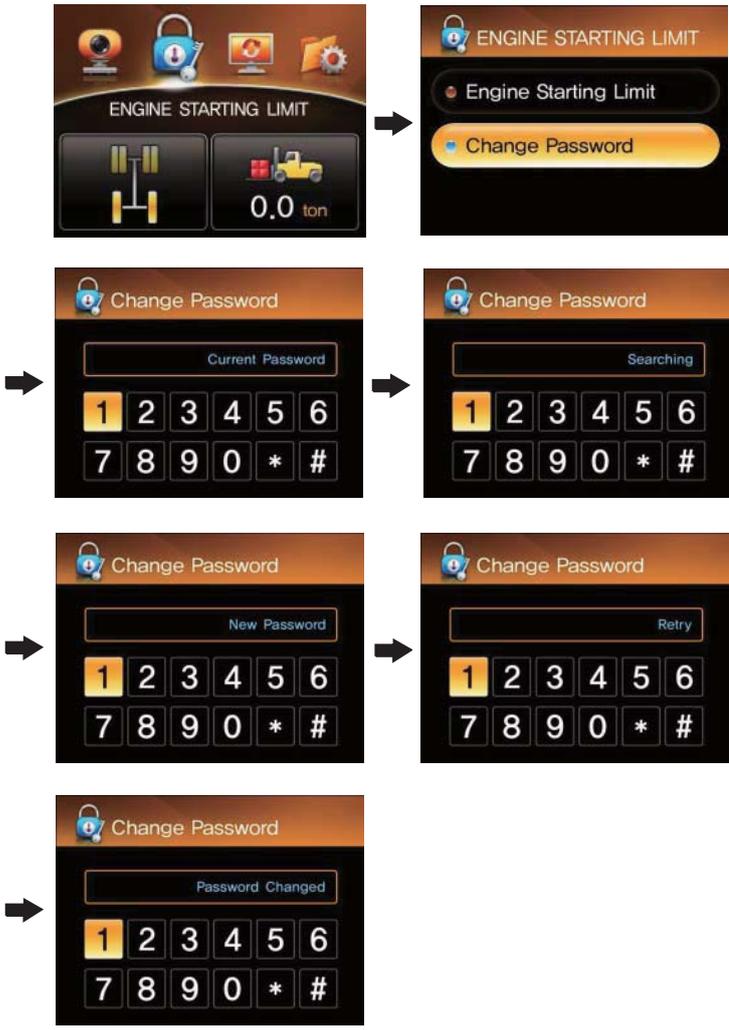


- ① To choose the option, press the enter button.

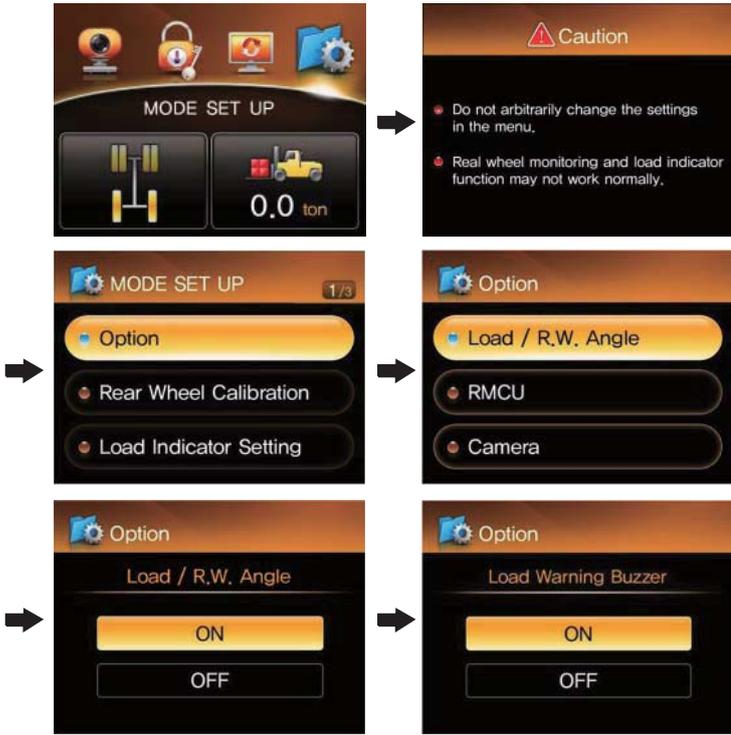
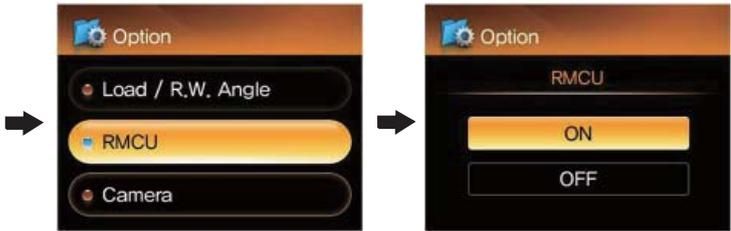
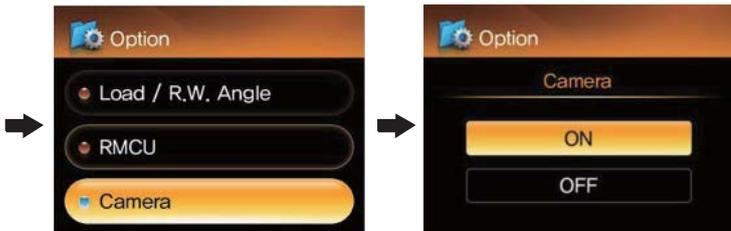
(5) LCD

No	Name	Description
1	<p>Starting animation</p> 	
2	<p>Main screen</p> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div data-bbox="320 927 635 965">Load/R.W angle OFF</div> <div data-bbox="687 927 995 965">Load/R.W angle ON</div> </div> 	

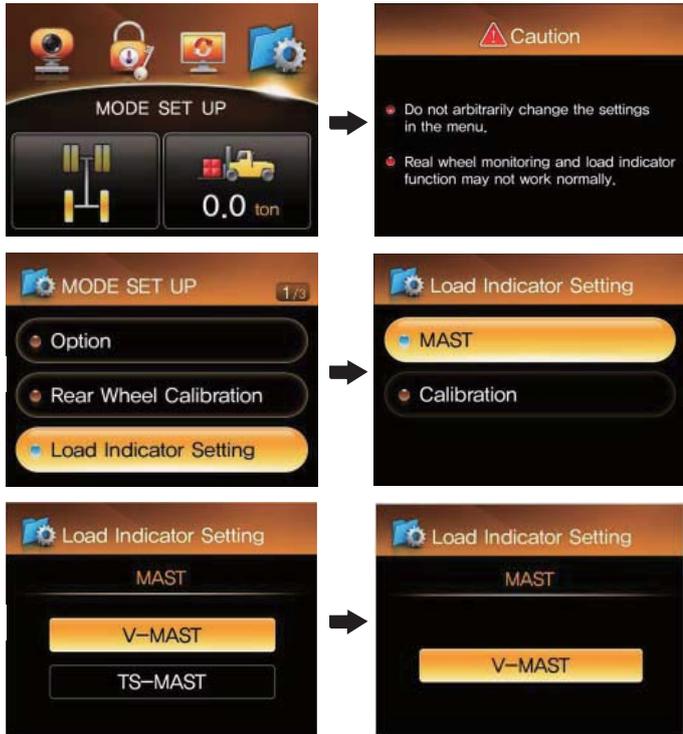
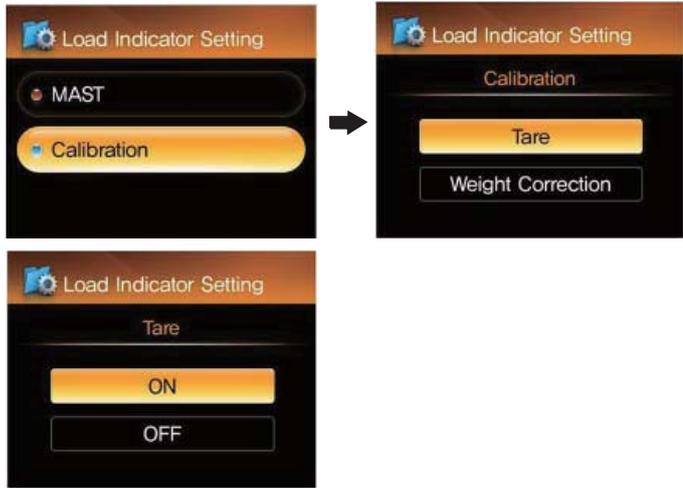
No	Name	Description
3	Camera selection 	<p>To enter camera screen, press the ESC or ESC button.</p> <p>To return to menu selection screen, press ESC button.</p> <p>If you turn "Reverse Mode" on, camera view be shown at reverse or neutral gear.</p> <ul style="list-style-type: none"> - Reverse : camera 1 - Neutral : camera 2
4	ESL (Engine Starting Limit) screen 	<p>The function to switch 'Engine Starting Limit' on , off and to set the period of engine starting limit.</p> <p>After input passwords, you must input '*#'. Change will take effect after you restart this monitor.</p>

No	Name	Description
5	<p>Changing password</p> 	<p>The password must be 5~10 digits long. After input password, you must input * .</p> <p>※ Default password : '0000000000'(digit '0', 10 times)</p>

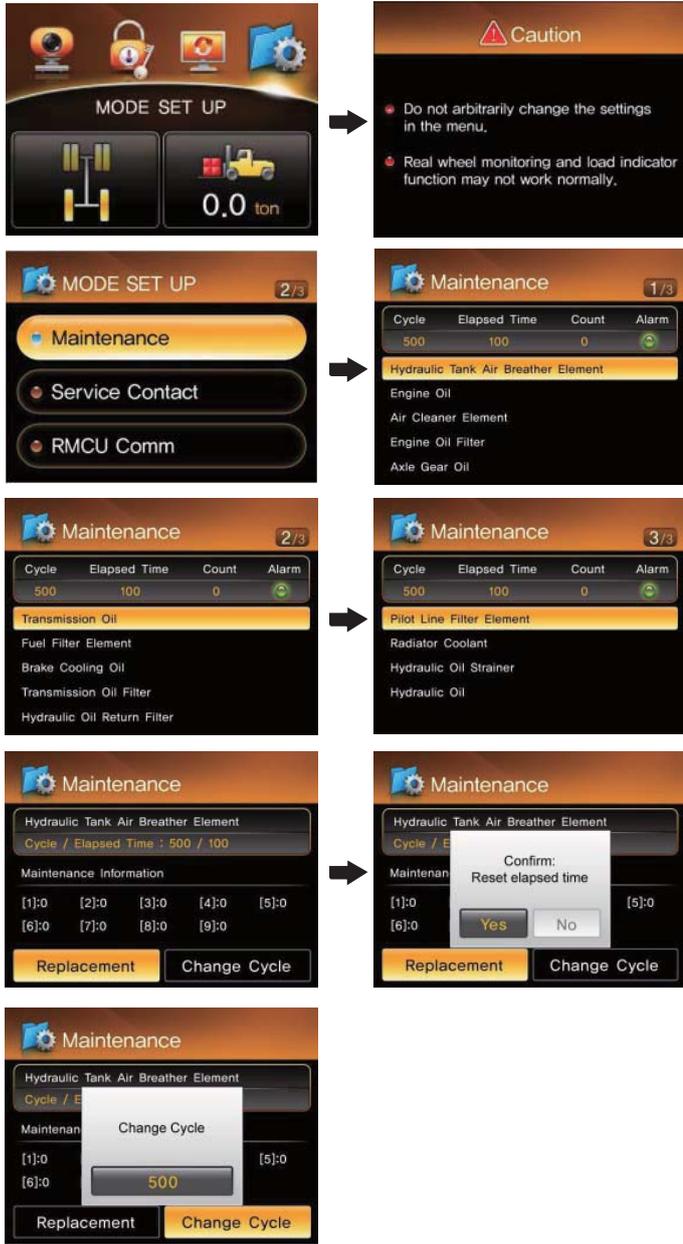
No	Name	Description
6	Display set up screen  	1) LCD brightness To adjust to display brightness, press ◀ or ▶ to decrease or increase. (8 step)
	 	2) Language selection Set a Korean or English.
	 	3) Unit setting Set a unit load indicator.

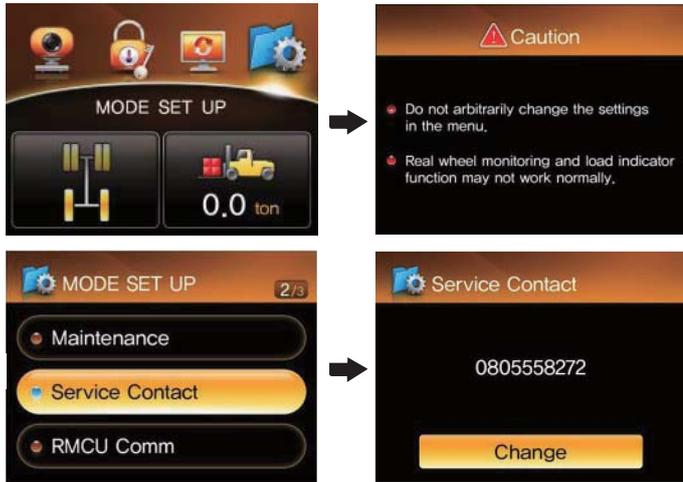
No	Name	Description
7	<p>Mode set up screen</p> 	<p>1)Option</p> <p>(1)Load/ R.W angle</p> <p>Display the conditions for load indicator. Applied to the main screen, check the page 3-57. When you choose 'Load Indicator ON', you can pick ON/OFF of over weight buzzer. If you choose 'Over weight buzzer OFF', buzzer doesn't sound. When you choose 'Load Indicator OFF', in case of over weight, buzzer does sound.</p>
		<p>(2)RMCU</p> <p>Display the conditions for RMCU Conditions for RMCU : Maintenance, Service Contact, RMCU Comm</p>
		<p>(3)Camera</p> <p>Display the conditions for 'Camera'</p>

No	Name	Description
7	<p>Mode set up screen</p>	<p>2)Rear wheel calibration</p> <p>The user revises a forklift truck steering angle. Display set to approve a condition.</p> <p>(1)Right set rear wheel calibration.</p> <ul style="list-style-type: none"> - To the left as possible to steer wheel (Steer wheel Left) - Press the  <p>(2)Center set rear wheel calibration.</p> <ul style="list-style-type: none"> - To the center as possible to steer wheel (Steer wheel center) - Press the  <p>(3)Left set rear wheel calibration.</p> <ul style="list-style-type: none"> - To the right as possible to steer wheel (Steer wheel Right) - Press the 

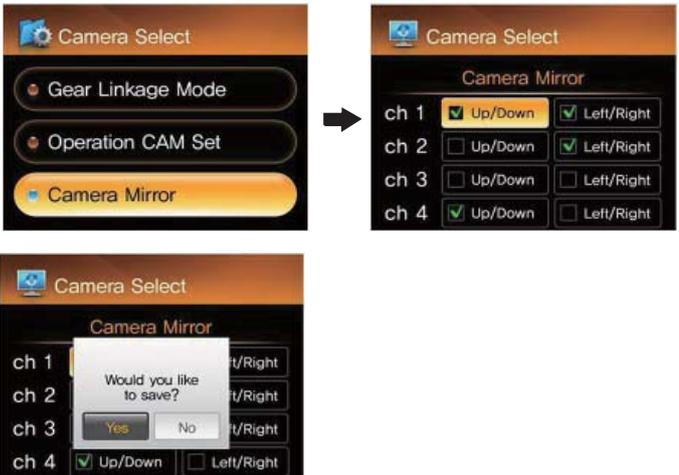
No	Name	Description
7	<p>Mode set up screen</p> 	<p>3) Load indicator setting</p> <p>(1) MAST Select</p> <p>Equipment model selection varies depending on the mast.</p>
		<p>(2) Calibration</p> <p>Correct a fork-lift load indicator</p> <p>After input passwords, you must input *.</p> <p>※ Define password is : "00008282"</p> <p>① Tare</p> <p>In the unloaded from the around waiting 5 seconds after lift 30 cm</p> <p>Tare ON</p>

No	Name	Description
7	<p>Mode set up screen</p>	<p>② Weight correction</p> <p>Input a password Loaded enter the weight. (Input ton) In the loaded from the around waiting 5 seconds after lift 30 cm Weight correction ON</p>

No	Name	Description
7	<p>Mode set up screen</p>  <p>The sequence of screenshots is as follows:</p> <ol style="list-style-type: none"> MODE SET UP screen with icons for camera, lock, monitor, and folder. Below are icons for a lift and a forklift with '0.0 ton'. MODE SET UP screen with '2/3' indicator. A 'Maintenance' button is highlighted. Maintenance screen with '1/3' indicator. A table shows: Cycle (500), Elapsed Time (100), Count (0), Alarm (green icon). Below is 'Hydraulic Tank Air Breather Element'. Maintenance screen with '2/3' indicator. A table shows: Cycle (500), Elapsed Time (100), Count (0), Alarm (green icon). Below is 'Transmission Oil'. Maintenance screen with '3/3' indicator. A table shows: Cycle (500), Elapsed Time (100), Count (0), Alarm (green icon). Below is 'Pilot Line Filter Element'. Maintenance screen showing 'Hydraulic Tank Air Breather Element' with 'Cycle / Elapsed Time : 500 / 100'. Below is a 'Maintenance Information' grid with 9 slots, all showing ':0'. 'Replacement' and 'Change Cycle' buttons are at the bottom. Maintenance screen with a 'Confirm: Reset elapsed time' dialog box. 'Yes' and 'No' buttons are visible. Maintenance screen with a 'Change Cycle' dialog box showing the value '500'. 	<p>4) Maintenance</p> <p>Change the replacement cycle of expandable supplies.</p> <p>Using ◀ ▶ button for changing the replacement cycle.</p>

No	Name	Description
7	<p>Mode set up screen</p> 	<p>5) Service Contact Check and change of contact information for customer service.</p>

No	Name	Description
7	<p>Mode set up screen</p>	<p>6) RMCU communication When successfully opened RMCU communication, except for the RMCU communication.</p>

No	Name	Description															
7	<p>Mode set up screen</p> 	<p>7) Camera select</p> <p>(1) Gear linkage mode</p> <p>If you turn “Reverse mode” on, camera view be shown at reverse or neutral gear on main.</p> <ul style="list-style-type: none"> - Reverse : camera 1 - Neutral : camera 2 															
		<p>(2) Operation CAM set</p> <p>Set the number of operation camera.</p>															
	 <table border="1" data-bbox="694 1384 997 1550"> <thead> <tr> <th colspan="3">Camera Mirror</th> </tr> </thead> <tbody> <tr> <td>ch 1</td> <td><input checked="" type="checkbox"/> Up/Down</td> <td><input checked="" type="checkbox"/> Left/Right</td> </tr> <tr> <td>ch 2</td> <td><input type="checkbox"/> Up/Down</td> <td><input checked="" type="checkbox"/> Left/Right</td> </tr> <tr> <td>ch 3</td> <td><input type="checkbox"/> Up/Down</td> <td><input type="checkbox"/> Left/Right</td> </tr> <tr> <td>ch 4</td> <td><input checked="" type="checkbox"/> Up/Down</td> <td><input type="checkbox"/> Left/Right</td> </tr> </tbody> </table>	Camera Mirror			ch 1	<input checked="" type="checkbox"/> Up/Down	<input checked="" type="checkbox"/> Left/Right	ch 2	<input type="checkbox"/> Up/Down	<input checked="" type="checkbox"/> Left/Right	ch 3	<input type="checkbox"/> Up/Down	<input type="checkbox"/> Left/Right	ch 4	<input checked="" type="checkbox"/> Up/Down	<input type="checkbox"/> Left/Right	<p>(3) Camera mirror</p> <p>Choose the camera mirror (Up / Down or Left / Right) by the location of the cameras.</p> <p>[Key-operating method]</p> <p>To set the camera mirror, press ◀ or ▶ to move the position and press  to select whether to mirror.</p> <p>To save the options or exit of this page, press ESC button.</p>
Camera Mirror																	
ch 1	<input checked="" type="checkbox"/> Up/Down	<input checked="" type="checkbox"/> Left/Right															
ch 2	<input type="checkbox"/> Up/Down	<input checked="" type="checkbox"/> Left/Right															
ch 3	<input type="checkbox"/> Up/Down	<input type="checkbox"/> Left/Right															
ch 4	<input checked="" type="checkbox"/> Up/Down	<input type="checkbox"/> Left/Right															

No	Name	Description
8	<p data-bbox="256 248 464 286">Ending animation</p> 