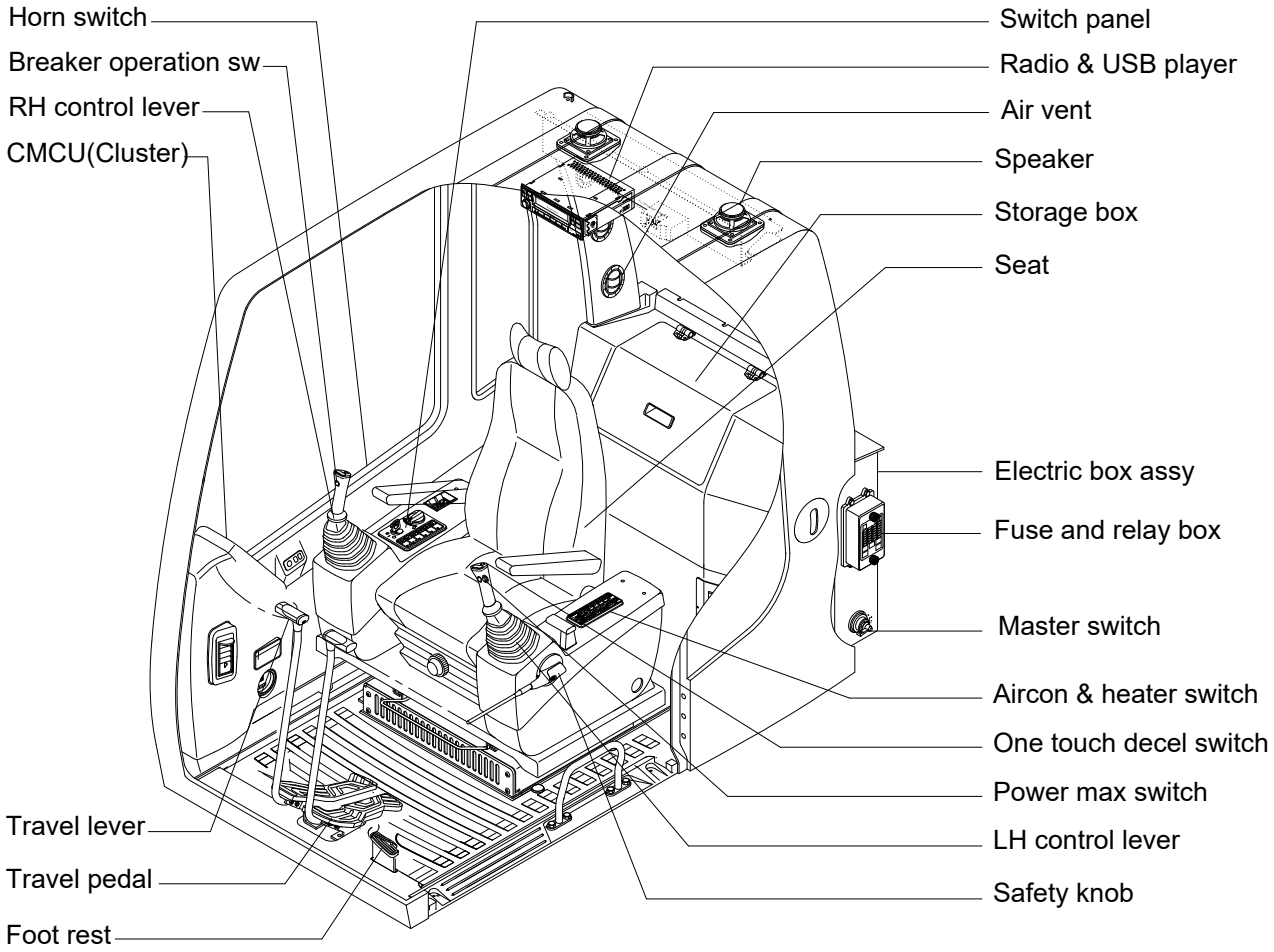
1. CAB DEVICES

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 machine to be monitored at a glance.

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



2. CLUSTER(CMCU)

1) MONITOR PANEL

The monitor panel consists of LCD and lamps as shown below, to warn the operator in case of abnormal machine operation or conditions for the appropriate operation and inspection.

- LCD : Indicate operating status of the machine.
- Warning lamp : Indicate abnormality of the machine(Red).
- Pilot lamp : Indicate operating status of the machine(Amber).

※ The monitor installed on this machine does not entirely guarantee the condition of the machine. Daily inspection should be performed according to chapter 6, Maintenance.

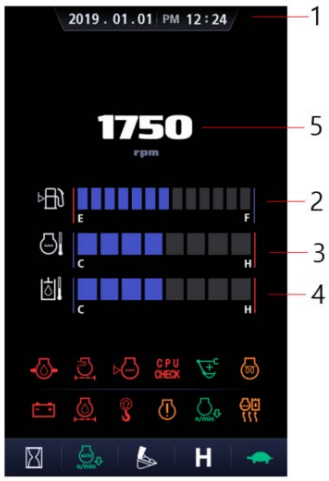
※ When the monitor provides a warning immediately check the problem, and perform the required action.

※ The warming lamp lights ON and the buzzer sounds when the machine has a problem. In this case, press the buzzer stop switch and buzzer stop, but the warming lamp lights until the problem is cleared.

2) LCD main operation display

Default screen (A Type)

Option screen(B Ttype)

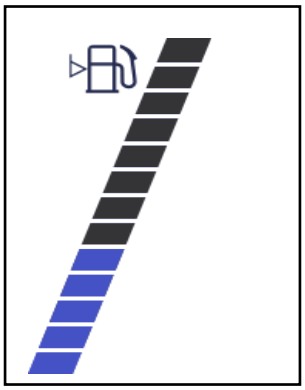


1 Time display
2 Fuellevel guage
3 Engine coolant temperature gauge
4 Hydraulic temerature gauge
5 Engine speed(rpm)

(1) Time display

① This displays the current time

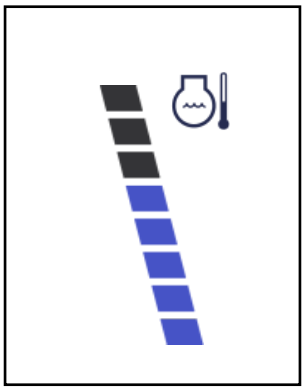
(2) Fuel level guage



① This gauge indicates the amount of fuel in the fuel tank.

② Fill the fuel when the 1st step or fuel icon blinks in red.

(3) Engine coolant temperature gauge



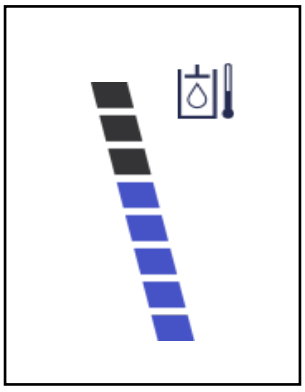
① This gauge indicates the temperature of coolant in 9 step guage

- 0 step: Below 30°C (86°F)
- 1 ~ 7step: 30–104°C (86–219°F)
- 8 step:Above 104°C (219°F)

② When the warning light flashes red, do not immediately extinguish the engine, keep running at intermediate speed,gradually cool and then turn off.

※ If the engine is shut down without sufficient cooling, the temperature of the engine will rise sharply, this can lead to problems with parts inside the engine.

(4) Hydraulic temerature gauge



① This gauge indicates the temperature of hydraulic oil in 9 step guage

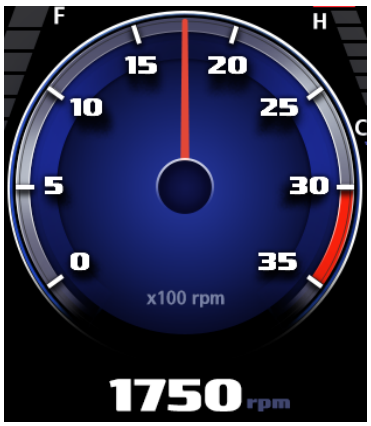
- 0 step: Below 30°C (86°F)
- 1 ~ 7step: 30–104°C (86–219°F)
- 8 step: Above 104°C (219°F)

② The gauge between 1st and 7th steps illuminates when operating.

③ Keep idling engine at low speed until the gauge between 1nd and 7th steps illuminates, before operation of machine.

④ When the gauge of 8th steps illuminates,reduce the load on the system. If the gauge stays in the8 steps, stop the machine and check the cause of the problem.

(5) Engine speed(rpm)

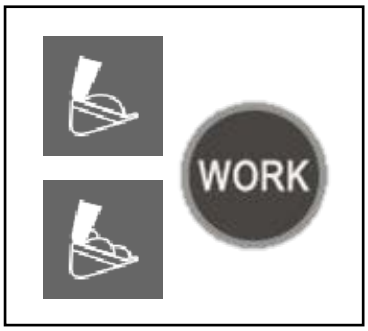


① This displays the round speed of engine

3) Operation screen

※ When the Powermode/workmode/usermode and each other switchare selected,the pilot lamps are displayed on the LCD.

(1) Work Mode Switch



This switch is to select the machine work mode, which shifts from general operation mode to optional attachment operation mode

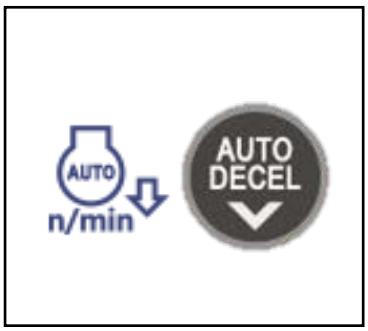
: General operation mode

: Heavy duty work mode

(2) User Mode Switch

This Switch select User Mode

(3) Auto Decel Switch

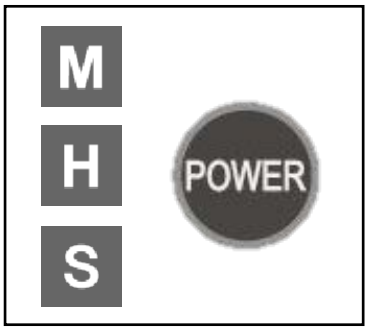


This switch is used to activate or cancel the auto idle function when all levers and pedals are in a nautral position,automatically reduces engine speed and saves fuel .

· Pilot lamp ON : Auto idle function is activated.

· Pilot lamp OFF : Auto idle function is cancelled.

(4) Power Mode Switch



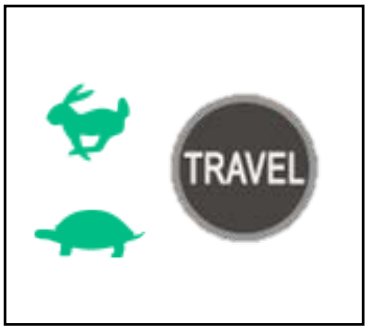
This switch is to select the machine power mode,and select power mode pilot lamp is display on the position.

· M : Max mode

· H : Heavy duty power work

· S : Standard power work mode

(5) **Travel Speed Switch**



① This switch is used to select the travel speed alternatively.

· : High speed

· : Low speed

(6) Buzzer Stop Switch

This switch is used to turn off the buzzer. The buzzer buzzes 2 seconds after the start switch is first turned on,stopping is a normal phenomenon

When something goes wrong with the equipment, the red light goes on and the buzzer goes off. It can be opened in this case the switch stops the buzze

(7) Menu Switch

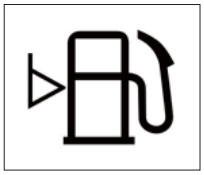
This switch used to select the main menu and subordinate menu on the LCD

(8) ESC 开关

This switch used to return to the previous menu or previous menu on the LCD

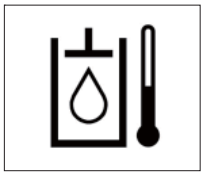
4) WARNING AND PILOT LAMPS

(1) Fuel level warning lamp



① This warning lamp pops up and the buzzer sounds when the level of fuel is below 31 ℓ (8.2 U.S. gal).
② Fill the fuel immediately when the lamp blinks.

(2) Hydraulic oil temperature warning lamp

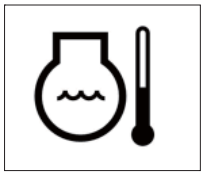


① The lamp is ON and the buzzer sounds when the hydraulic oil temperature is over the reference temperature (105°C).

② When this lamp is ON, check the oil cooling system.

③ Check the oil cooler and radiator.

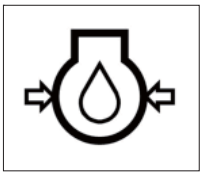
(3) Engine coolant temperature warning lamp



① The lamp is ON and the buzzer sounds when the cooling water temperature is over the reference temperature (105°C)

② Check the cooling water level if this warning lamp is ON.

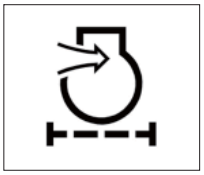
(4) Engine oil pressure warning lamp



① This warning lamp pops up and the buzzer sounds when the engine oil pressure is low.

② If the lamp blinks, shut OFF the engine immediately. Check oil level.

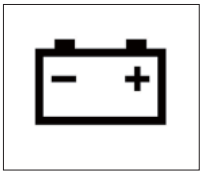
(5) Air cleaner warning lamp



① This warning lamp pops up and the buzzer sounds when the filter of air cleaner is clogged.

② Check the filter and clean or replace it.

(6) Battery charging warning lamp



① This warning lamp pops up and the buzzer sounds when the battery charging voltage is low.

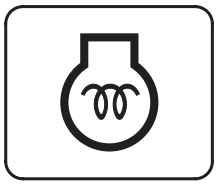
② Check the battery charging circuit when this lamp blinks.

(7) Check engine warning lamp

① This warning lamp pops up and the buzzer sounds when the communication between MCU and engine ECM on the engine is abnormal, or if the cluster received specific fault code from engine ECM.

② Check the communication line between them.
If the communication line is OK, then check the fault codes on the cluster.

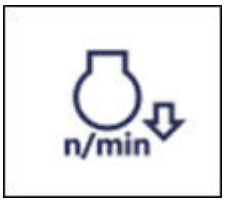
(8) Preheat pilot lamp



①Turning the start key switch ON position starts preheating in cold weather.

② Start the engine as this lamp is OFF.

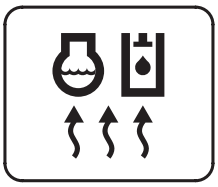
(9) AutoDecel lamp



① Pilot lamp ON : Auto idle function is activated.

② Pilot lamp OFF : Auto idle function is cancelled.

(10) Warming up pilot lamp



① This lamp is turned ON when the coolant temperature is below 30°C (86°F).

② The automatic warming up is cancelled when the engine coolant temperature is above 30°C, or when 10 minutes have passed since starting.

4) LCD

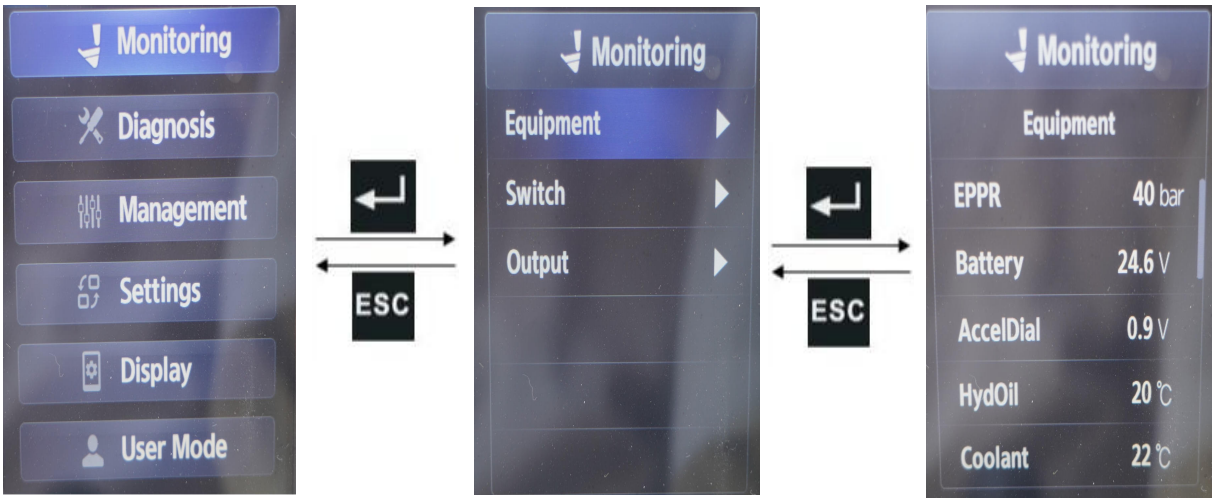
(1) Main function

NO	Main Menu	Sub Menu	Instructions
1	 Monitoring	Equipment Switch Output	Device information and status Switch state output state
2	 Diagnosis	Current Error Recorded Error	MCU, engine ECM fault record confirmation and delete
3	 Management	Equipment maintenance	Change the exchange cycle of oil and filter element Initialization of service time
4	 Settings	Time Setting Machine Security Dual Mode Camera	Set time Set startup limits and change passwords Mode changes Camera Settings
5	 Display	Operation Skin Brighteness Language	Select boot Mode Set screen brightness Language Settings
6	 User Mode	User Mode Setting	Set engine high speed idling speed automatic decompression speed EPPR valve input current value

(2) **Menu description**

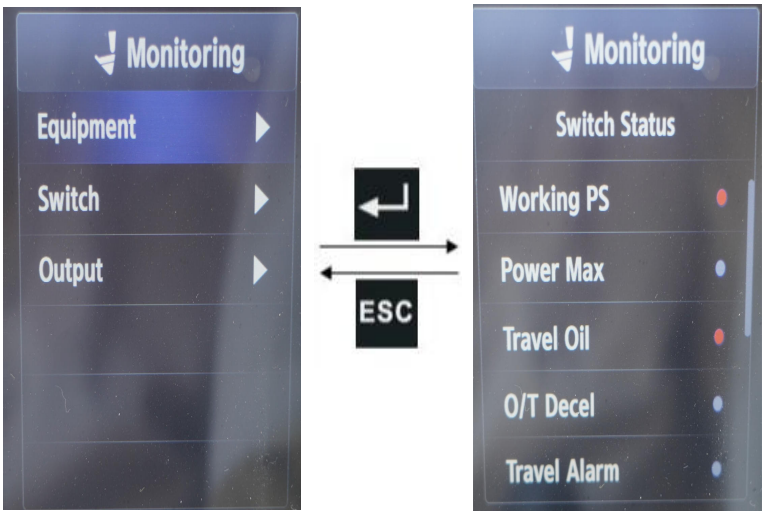
1. **Monitoring**

① Equipment



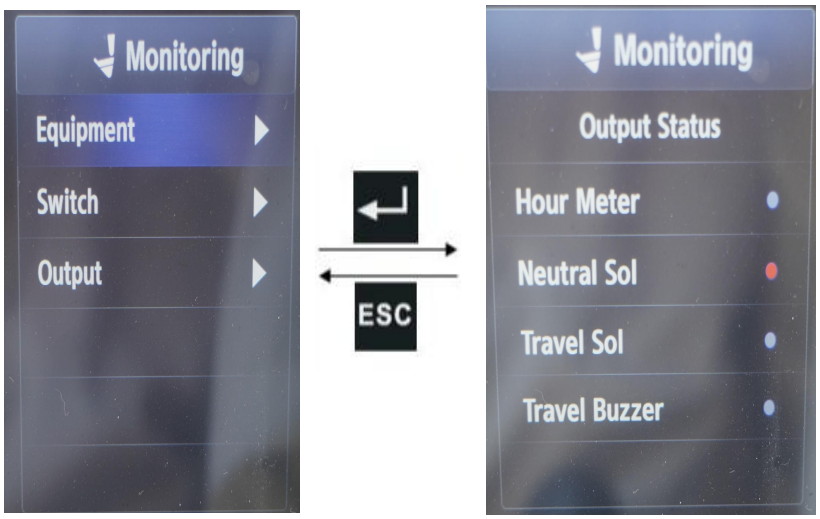
- Equipment status information.

② Switch



- Switch status information.

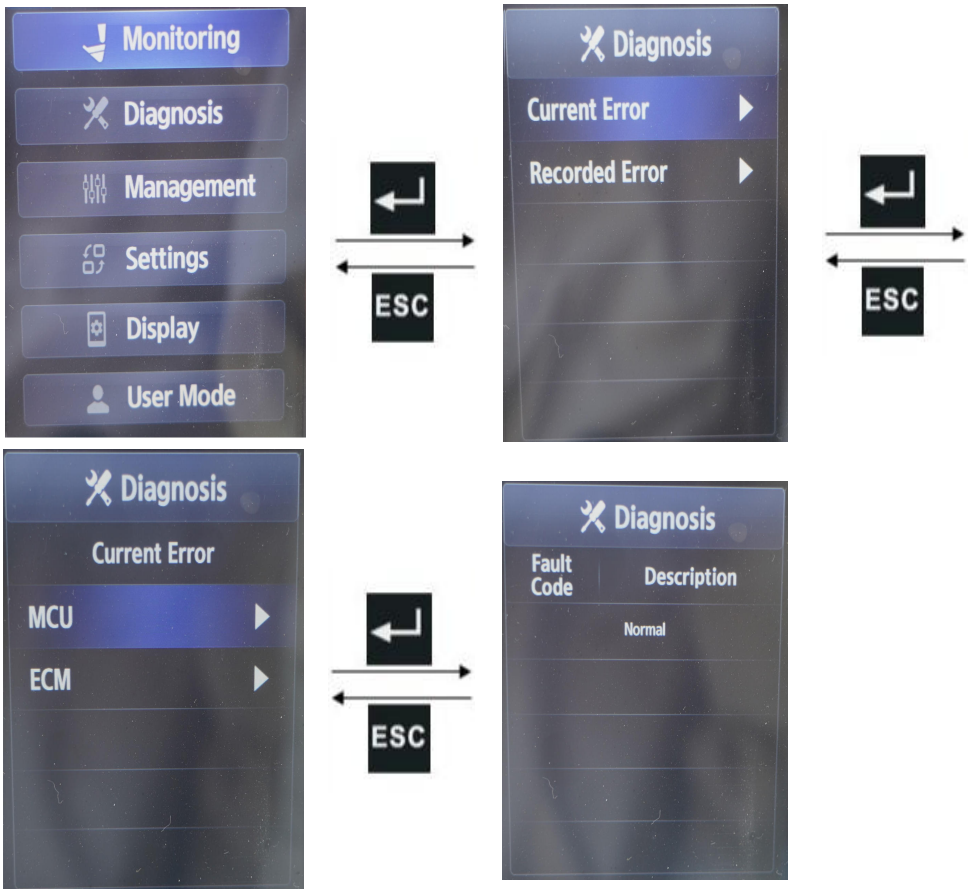
③ Output



- Output status information.

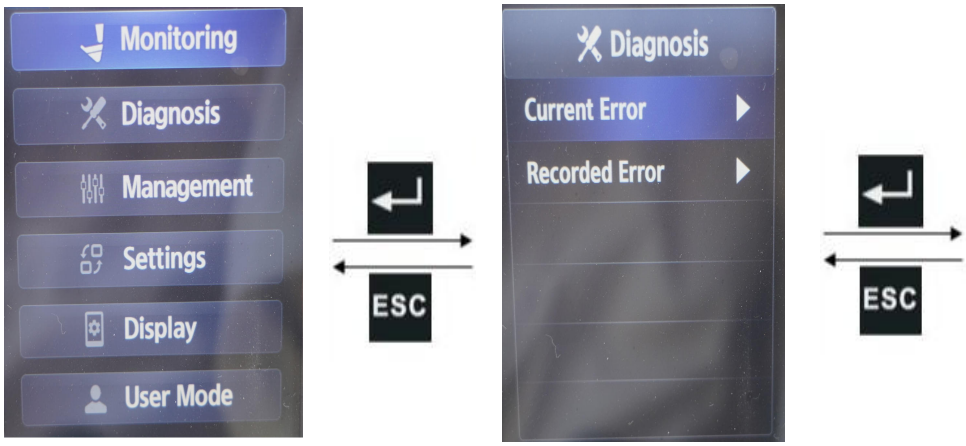
2. **Diagnosis**

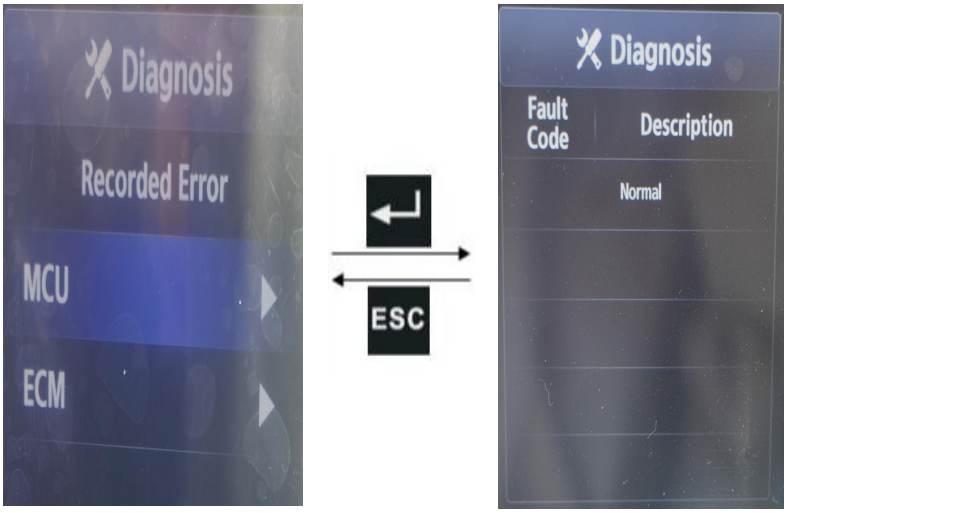
① Current Error



- You can check for current MCU or engine ECM failures.

② Recorded Error





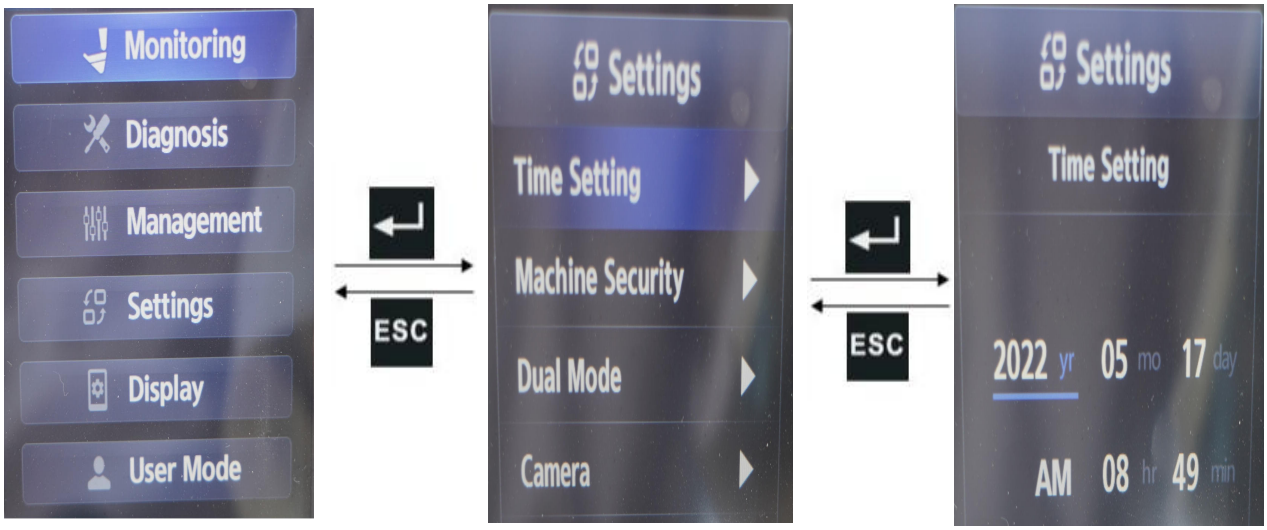
- You can check past MCU or engine ECM failures.

3. **Management**

- The exchange cycle and remaining time of consumables can be confirmed.
- Remaining time initialization: The remaining time can be initialized.
- Change the switching period: You can set the switching period.

4. **Settings**

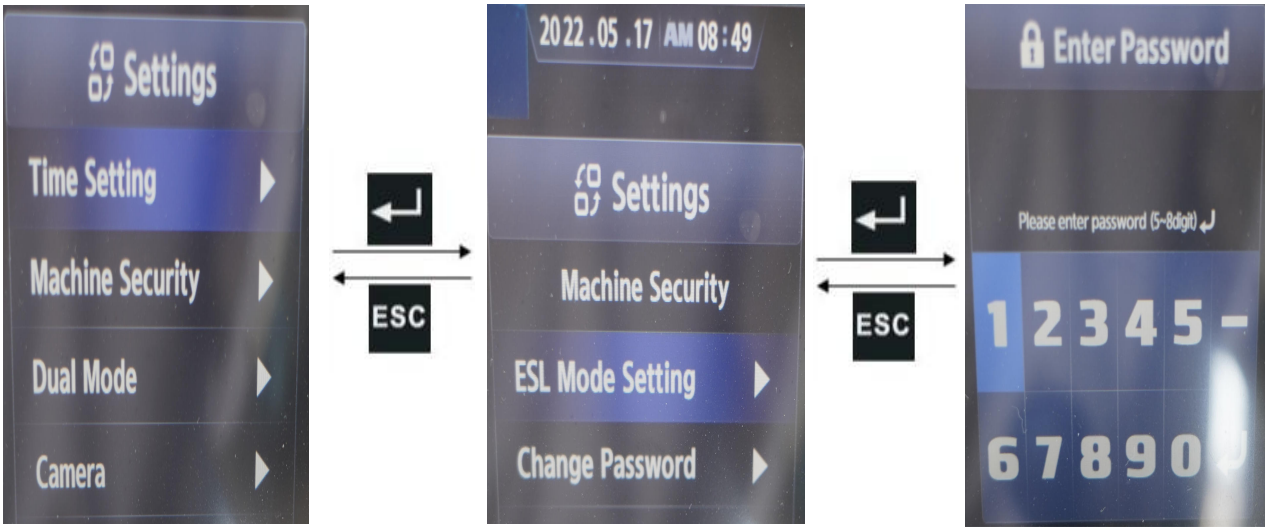
① Time Setting



- Year, month, day, hour, minute.

② Machine Security

a. **Set startup limits**

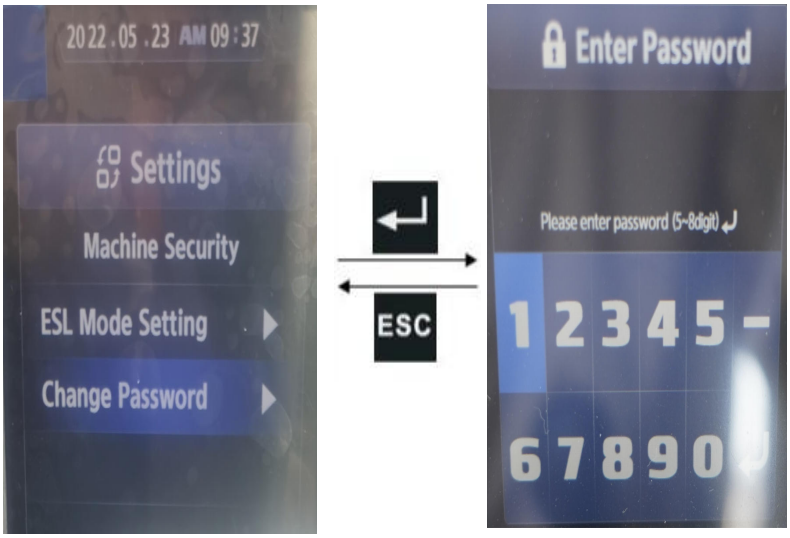


- Features to prevent theft and unauthorized device startup.

If you continue to select the start limit setting, ask for a password when the start switch is ON. :

- Disable setting does not use the function.
- When setting 'continue operation', the driver will ask for a password when starting the engine.
- The password is required when the driver starts the engine for the first time when the action is set after the specified time. No password is required for a restart during a cycle time. The maximum period can be set to 7 days.

b. **Change password**

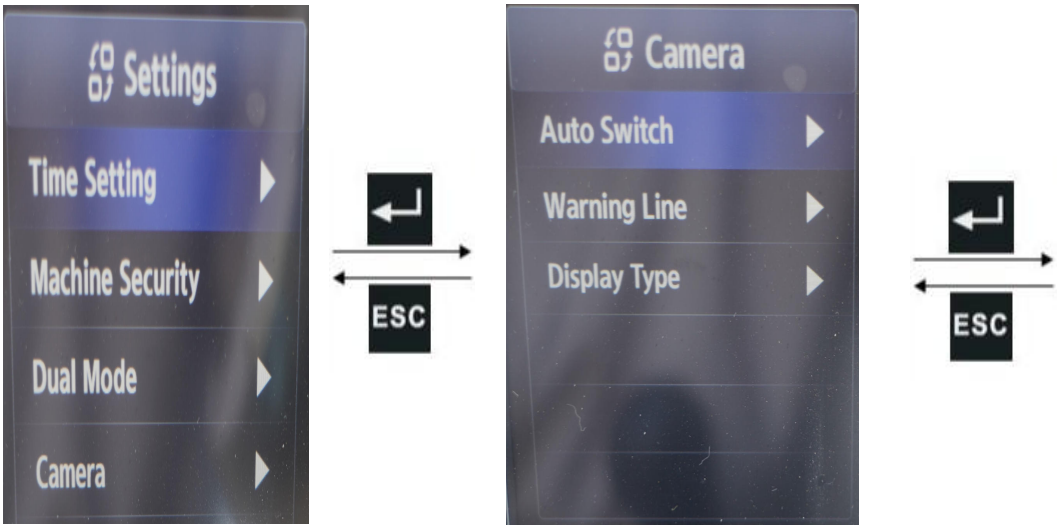


- The password is 5 to 8 digits. Enter the password and press ↵
- The initial password is 00000.

③ Dual Mode

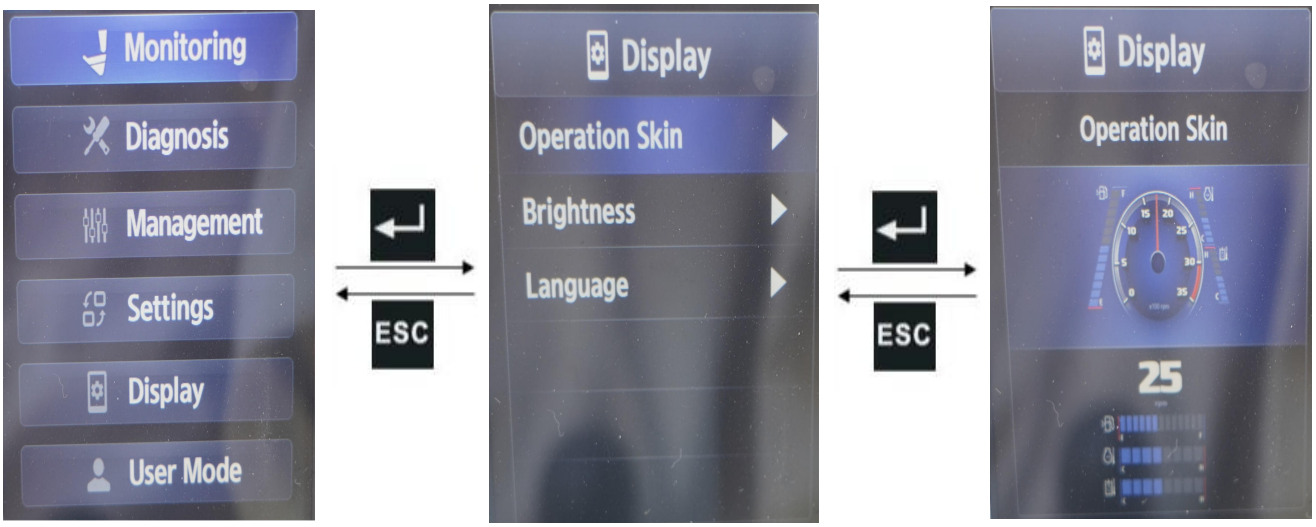
- You can change the mode of the device.

④ Camera



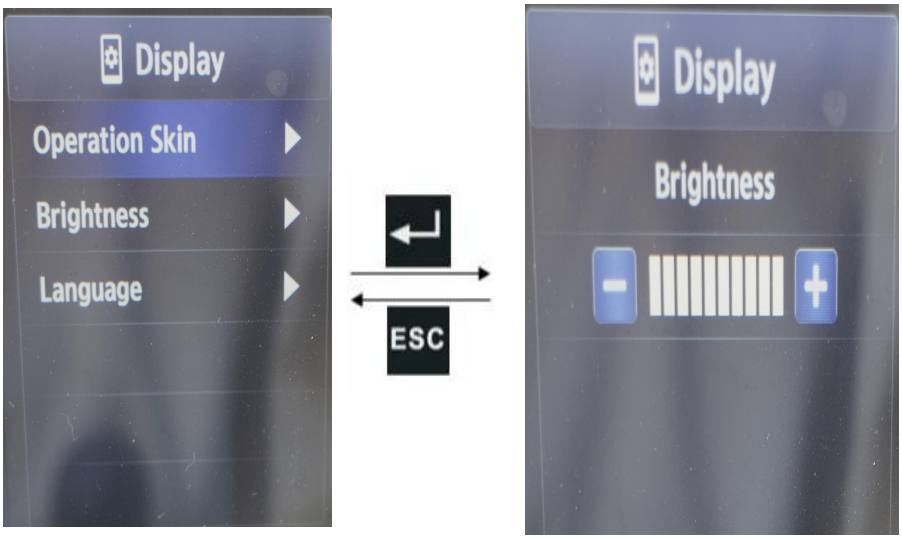
5. **Display**

① Operation Skin



- You can set the screen type. (Analog/digital)

② Brighteness



- You can set the screen brightness.

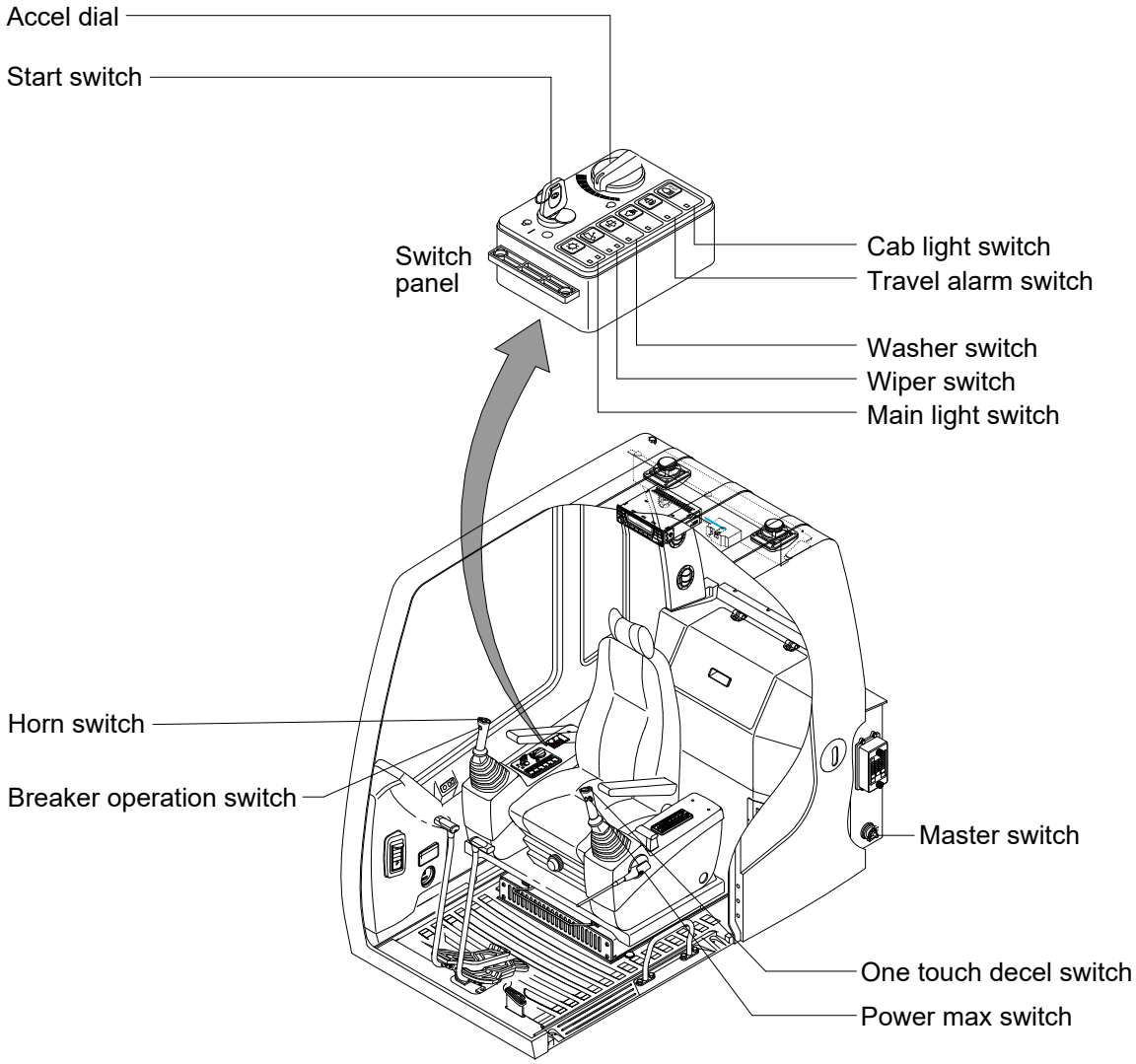
③ Language

- You can select the language you want to use and all tags will be changed to the chosen language.

6. **User Mode**

- You can set and store the values of engine high-speed idling RPM, autotorque reduction RPM and EPPR valve input current respectively in user mode (U).
- The menu is only accessible when user mode (U) is selected.

3. SWITCHES



1) STARTING SWITCH

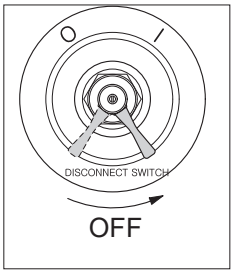
(1) There are three positions, OFF, ON and START.

- ◯ (OFF) : None of electrical circuits activate.
- | (ON) : All the systems of machine operate.
- ⏻ (START) : Use when starting the engine. Release key immediately after starting.

※ If you turn ON the starting switch in cold weather, the fuel warmer is automatically operated to heat the fuel by sensing the coolant temperature. Start the engine in 1~2 minutes after turning ON the starting switch. More time may take according to ambient temperature (opt).

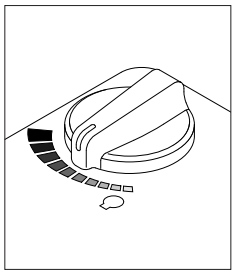
※ Key must be in the ON position with engine running maintain electrical and hydraulic function and prevent serious machine damage.

2) MASTER SWITCH



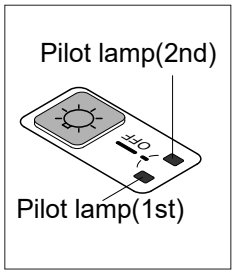
(1) This switch is used to shut off the entire electrical system.
(2) I : The battery remains connected to the electrical system.
O : The battery is disconnected to the electrical system.
※ **Never turn the master switch to O (OFF) with the engine running. Engine and electrical system damage could result.**

(3) ACCEL DIAL SWITCH



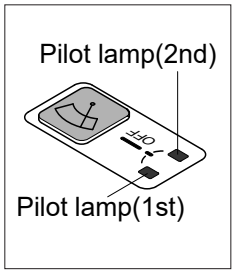
(1) There are 10 dial setting.
Setting 1 is low idle (Turtle) and setting 10 is high idle (Rabbit).
· By rotating the accel dial to right : Engine speed increases
· By rotating the accel dial to left : Engine speed decreases

(4) MAIN LIGHT SWITCH



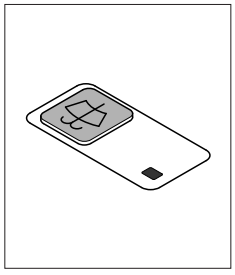
(1) This switch used to operate the head light and work light.
· Press the switch once to head light comes ON.
· Press the switch once more to work light comes ON.
· Press the switch again, return to a first step position.
· Press the switch more than one second to turn off lights.

(5) WIPER SWITCH



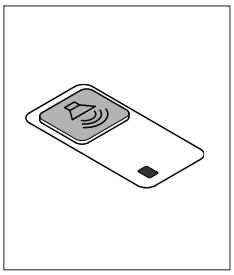
(1) This switch used to operate wiper.
· Press the switch once to intermittently operate wiper.
· Press the switch once more to operate wiper low speed.
· Press the switch again return to a first step position.
· Press the switch more than one second to turn off wiper.

(6) WASHER SWITCH



(1) The washer liquid is sprayed and the wiper is operated only while pressing this switch.
(2) The indicator lamp is turned ON when operating this switch.

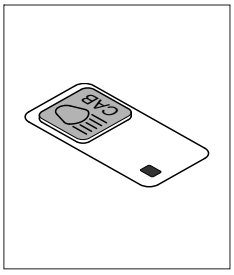
7) TRAVEL ALARM SWITCH



(1) This switch is to activate travel alarm function surrounding when the machine travels.

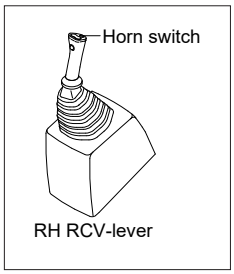
- ON : The travel alarm function is activated.
- OFF : The travel alarm function is not activated.

8) CAB LIGHT SWITCH (OPTION)



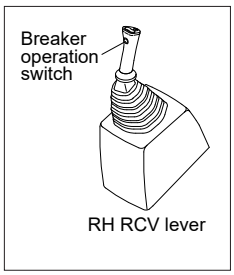
(1) This switch turns ON the cab light on the cab.

9) HORN SWITCH



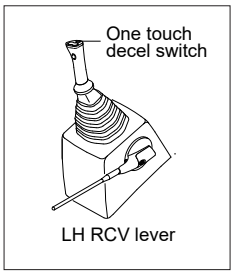
(1) This switch is at the top of right side control lever. On pressing, the horn sounds.

10) BREAKER OPERATION SWITCH



(1) On pressing this switch, the breaker operates only when the breaker selection switch on the switch panel is selected.

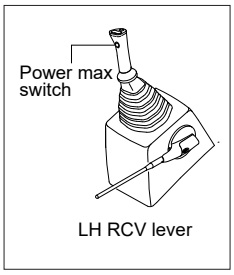
11) ONE TOUCH DECEL SWITCH



(1) This switch is used to actuate the deceleration function quickly.

(2) The engine speed is increased to previous setting value by pressing the switch again.

12) POWER MAX SWITCH

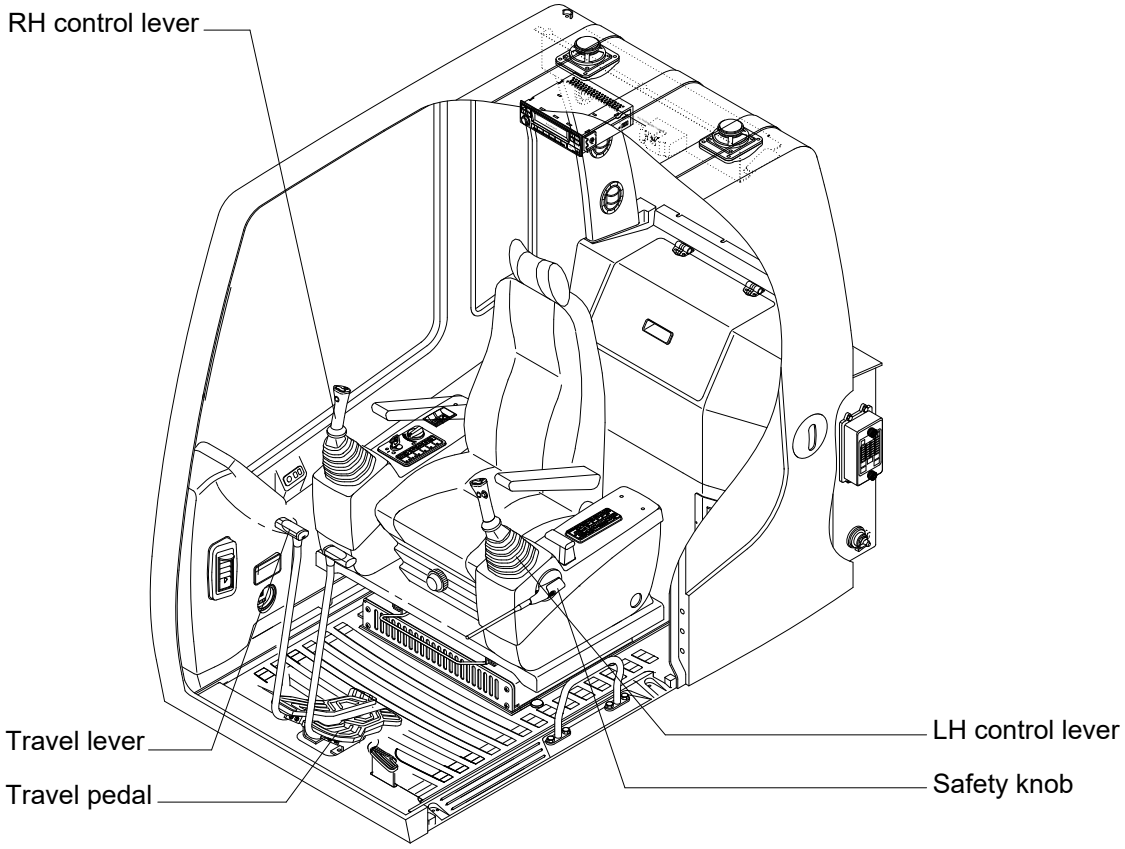


(1) This switch activate power max function.
When this switch is kept pressed, hydraulic power of work equipment will increased approx 110 percent during 8 seconds.

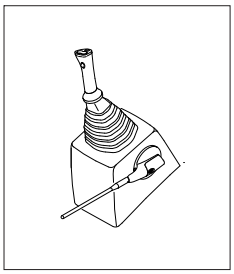
(2) After 8 seconds, function is cancelled automatically even switch is keep pressed.

※ **Don not use for craning purposes.**

4. LEVERS AND PEDALS

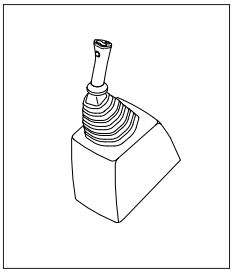


1) LH CONTROL LEVER



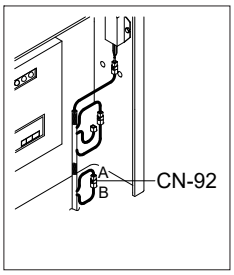
(1) This joystick is used to control the swing and the arm.
(2) Refer to operation of working device in chapter 4 for details.

2) RH CONTROL LEVER



(1) This joystick is used to control the boom and the bucket.
(2) Refer to operation of working device in chapter 4 for details.

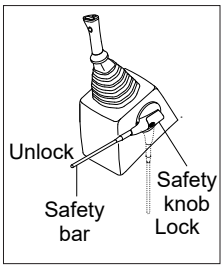
3) EMERGENCY ENGINE STARTING CONNECTOR



(1) If the MCU is removed, the engine does not start.
(2) Before starting the engine, connect the connector CN-92 A with B.

※ **Do not connect these connectors when the MCU is not removed.**

4) SAFETY KNOB



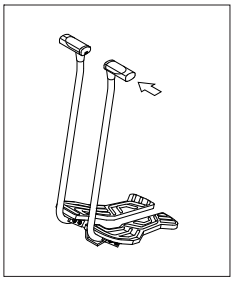
(1) All control levers and pedals are disabled from operation by locating the safety knob to the LOCK position as shown.

※ **Be sure to turn the safety knob to the LOCK position when entering or leaving the operators seat/cabin.**

(2) The machine is operational by turning the safety knob to the unlock position.

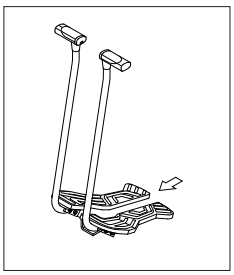
※ **Do not use the safety bar for handle when getting on or off the machine.**

5) TRAVEL LEVER



(1) This lever is mounted on travel pedal and used for traveling by hand. The operation principle is same as the travel pedal.
(2) Refer to traveling of machine in chapter 4 for details.

6) TRAVEL PEDAL

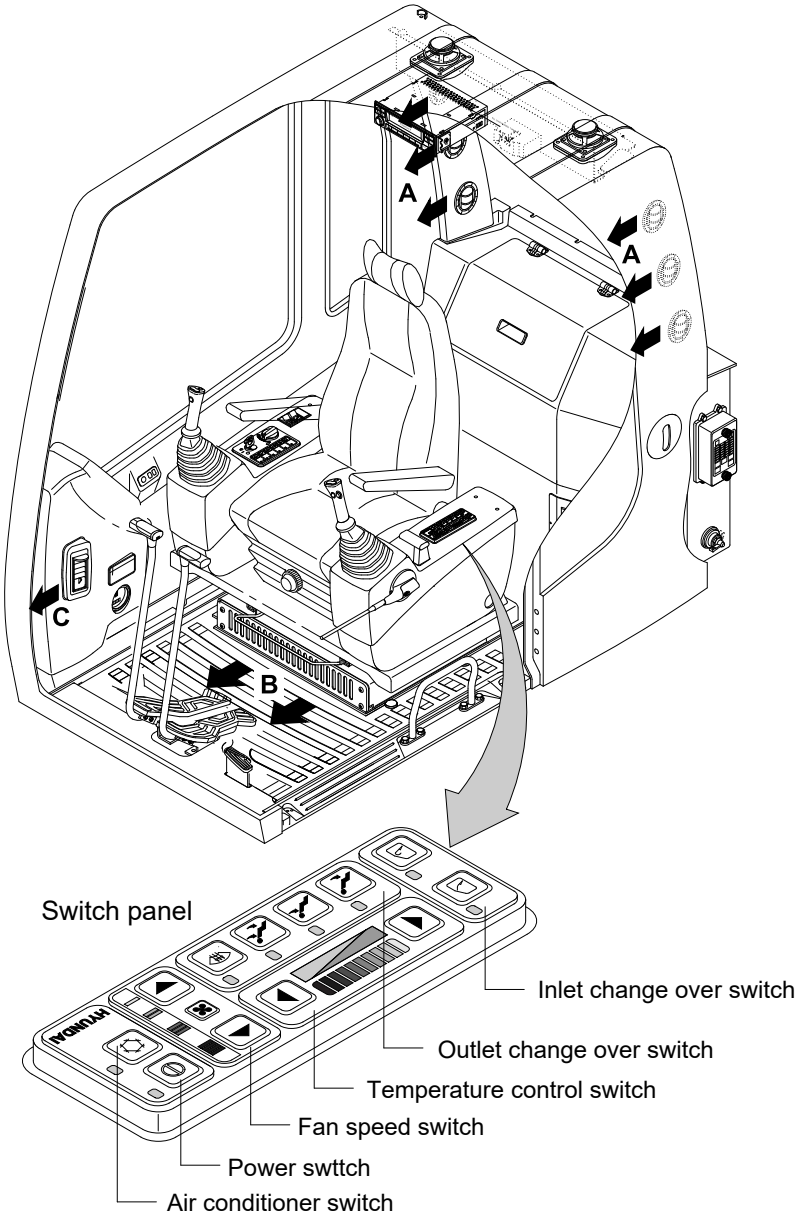


(1) This pedal is used to move the machine forward or backward.
(2) If left side pedal is pressed, left track will move.
If right side pedal is pressed, right track will move.
(3) Refer to **traveling of machine** in chapter 4 for details.

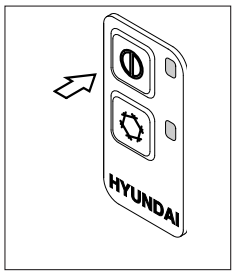
5. AIR CONDITIONER AND HEATER

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

· Location of air flow ducts



1) POWER SWITCH

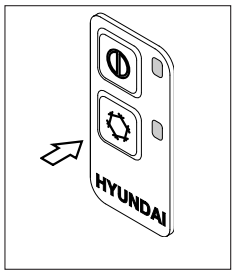


(1) This switch makes the system and the LED simultaneously ON or OFF.

※ Default setting values

Function	Air conditioner	Fan speed	Temperature	Outlet	Inlet
Max warm	OFF	1	Max cool	Face	Recirculation

2) AIR CONDITIONER SWITCH(Compressor switch)

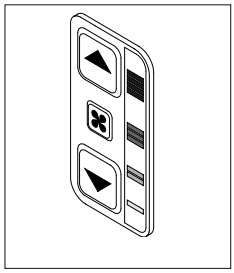


(1) Operating this switch turns the compressor and the LED simultaneously on or off.

(2) In accordance with the evaporator temperature, compressor turns on or off automatically without changing LED stare.

※ Air conditioner operates to remove vapor and drains water through a drain hose. Water can be sprayed into the cab in case that the vacuum valve of drain hose has a problem.
In this case, exchange the vacuum valve.

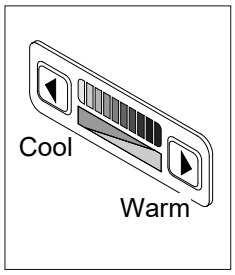
3) FAN SPEED SWITCH



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

(2) The first step or the fourth step gives 5 times beeps.

4) TEMPERATURE CONTROL SWITCH



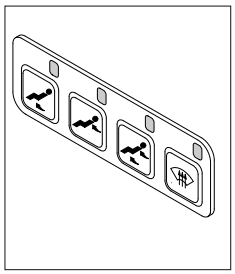
(1) There are 9 steps to control temperature from max cool to max warm controlled up and down by 1 step.

(2) Max cool and max warm arouse 5 times beeps.

(3) For the max warm or the max cool it's better to be configured as following table.

Temperature	Air conditioner	Fan speed	Outlet	Inlet
Max cool	ON	4	Face	Recirculation
Max warm	OFF	3	Foot	Fresh

5) OUTLET CHANGE OVER SWITCH



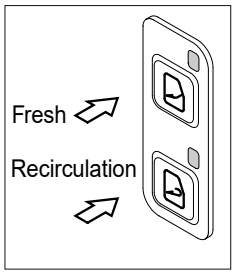
(1) There are four steps of air flow.

Switch position		Mode			
					
Outlet	A		○	○	
	B	○		○	○
	C				○

(2) When defroster switch operating, INLET switch turns to FRESH mode and air conditioner switch turns ON.

(3) In case of heating range (5~Max warm), air conditioner won't turns ON.

6) INLET CHANGE OVER SWITCH



(1) It is possible to change the air-inlet method.

① Fresh
Inhaling air from the outside to pressurize cab inside.

※ Check out the fresh air filter periodically to keep a good efficiency.

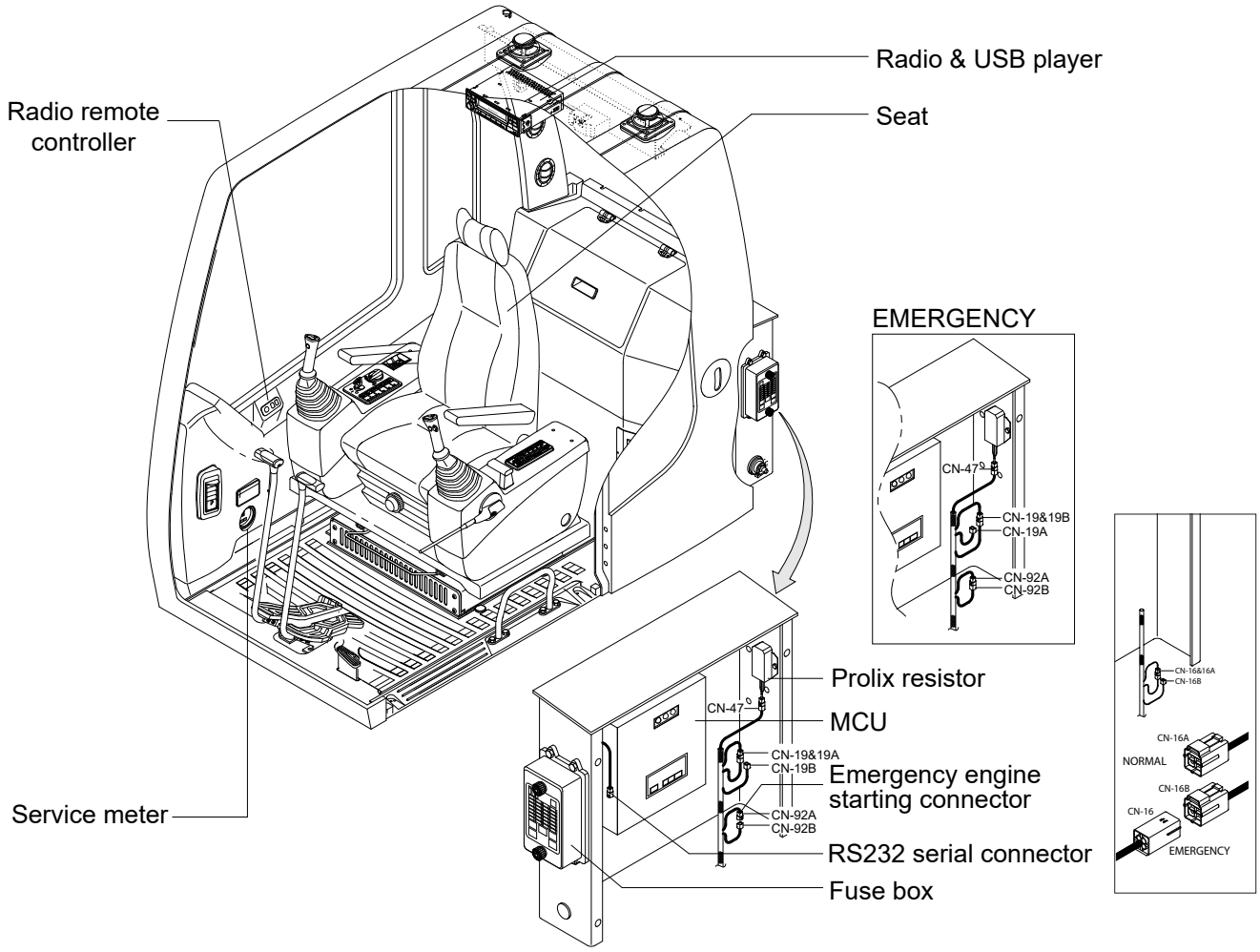
② Recirculation
It recycles the heated or cooled air to increase the energy efficiency.
Change air occasionally when using recirculation for a long time.

※ Check out the recirculation filter periodically to keep a good

※ efficiency.

(2) Recirculation function operates when the system is OFF but it can be changed whenever needed.

6. OTHERS

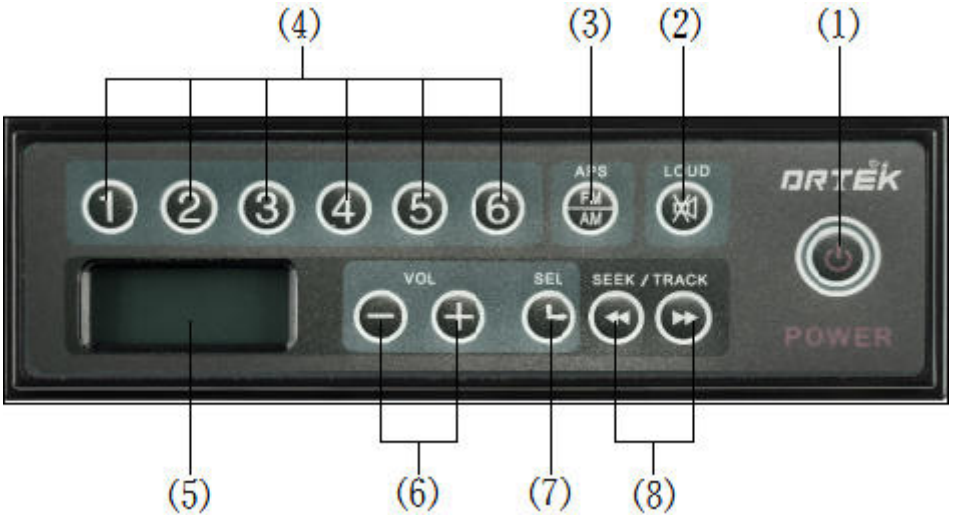

Radio & USB player
Seat
Radio remote controller
Service meter
EMERGENCY
CN-47
CN-19&19B
CN-19A
CN-92A
CN-92B
Prolix resistor
MCU
Emergency engine starting connector
RS232 serial connector
Fuse box
CN-16&16A
CN-16B
CN-16A
NORMAL
CN-16B
CN-16
EMERGENCY

1) RADIO AND USB PLAYER

◆FM / AM digital tuning radio function
◆It can be set up to work in Europe, Australia, the United States and Russia
◆24 storage stations (12 FM, 12 AM))
◆Automatic station search, manual station search, automatic station storage and memory station storage functions
◆Power off memory storage station (optional)
◆Beep key tone function

◆Mute function, loud and other loudness functions
◆Electronic volume, tre, BAS, BAL functions
◆Clock function (no clock can be selected)
◆Aux auxiliary input function (optional)
◆LCD display

Panel



(1)Power	(2)Mut/Loudness
(3)APS/Band	(4)Memory radio
(5)LCD	(6)VOL＋/－
(7) Sound effect / clock setting	(8) Radio search

FUNCTION KEYS

（1） Power

◇ Short press this key to start up, and long press this key to shut down in the power on state.

（2） Mut/Loudness

◇Short press, mute on / off

◇Long press, loudness on / off

（3） APS/Band

◇Short press to switch the band between FM1 / FM2 / AM1 / AM2

◇Long press to automatically search stations from the low end of the frequency in the current band, and the searched stations are stored in the preset stations in turn

（4） Memory radio

◇When receiving, short press to select the corresponding preset radio station. Long press and hold to save the listening frequency to the corresponding preset station.

（5） / Radio search

◇When listening to the radio station, it is used to search the station forward and backward.

（6） Sound effect / clock setting

◇Short press the display clock and press this key within 5 seconds to enter the sound effect setting.

◇When the clock is displayed, press and hold this key to enter the clock adjustment.

◇If the key is not pressed within 5 seconds, return to the playback information display.

（7） VOL+/-

◇Press the Vol + / - key to increase or decrease the volume.

OPERATIONS

1、RADIO

BAND

Short press the < APS > key to switch between bands FM1 / FM2 / AM1 / AM2.

AUTO SEEK

Short press the ◄◄/►► key to search the station forward / backward. If a station is found, the search will stop and play.

MANUAL SEEK

Press and hold the ◂◂ / ▸▸ key to enter the manual station search state. Press and hold the key, the frequency will jump forward / backward quickly. When you release the key, the frequency will stop jumping. At this time, you can still press the ◂◂ / ▸▸ key briefly to adjust the frequency. If the key is not pressed within 2 seconds, the last searched station will be played.

AUTO PRESET STORES

Long press the < APS > key to automatically search stations from the lowest frequency in the current band, and the searched stations are successively stored in the preset stations.

PLAY PRESET STATIONS

Short press one of the number keys 1, 2, 3, 4, 5 and 6 to select the corresponding preset radio station.

STORE CURRENT AUDITION STATION

During playback, long press one of the number keys 1, 2, 3, 4, 5 and 6 to store the current listening frequency into the corresponding preset radio station.

2、SOUND EFFECTS

Softly touch <SEL> to change VOL -> BAS -> TRE -> BAL 。
Volume：When LCD show “VOL”then press <VOL＋/－> to adjust。
Bass ：When LCD show“BAS”then press <VOL＋/－> to adjust。
Treble ：When LCD show“TRE”then press <VOL＋/－> to adjust。
Balance：When LCD show“BAL”then press <VOL＋/－> to adjust。

3、CLOCK

ADJUST CLOCK

Preset and held <SEL> for few seconds to enter clock adjust mode , then press <VOL+/-> to adjust hours up/dow , after that softly touch <SEL> change to minutes mode , then press <VOL+/-> to adjust minutes up/down , finally softly touch <SEL> again to back original mode
When adjust hours or minutes , if preset and held <SEL> then option to 12 or 24 hour display

SPECIFICATIONS

FM
Usual senstivity 10 dB
S/N ratio 60 dB
AM
Usual senstivity 30 dB
S/N ratio 60 dB
Others
Power supply 12V / 24V
Max output 10×2 / 25×2 W

Area	Band	Frequency range	Step
Europe	FM	87.5~108MHz	50KHz
	AM	522~1620KHz	9KHz
Australia	FM	87.5~108MHz	100KHz
	AM	522~1710KHz	9KHz
America	FM	87.5~108MHz	100KHz
	AM	530~1620KHz	10KHz
Russia	FM1	65.0~74.0MHz	30KHz
	FM2	87.5~108MHz	50KHz
	AM	522~1620KHz	9KHz

Radio operating area settings
Setting conditions: set in standby mode (bat on ACC on power off)
Setup process：

Set the key operation sequence of the radio working area		Area
	No. key ①	Europe
	No. key ②	Australia
	No. key ③	America
	No. key ④	Russia
The region setting operation must be completed within 5 seconds from pressing the FM / am key		

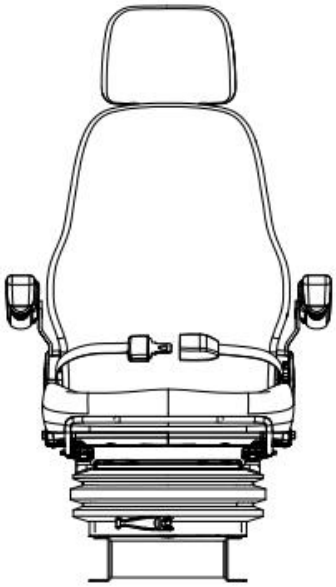
After the above settings are completed, press the power key to start the radio and enter the set area for operation.
Note: if there are any improvement measures for the machine, the technical specifications and design will be changed. This change is not prompted in advance.

Attention:

★ To avoid traffic accidents, please put the volume in an appropriate position.
★ In case of hot or cold weather, please keep the machine in the car. The ideal
★ temperature can ensure the good performance of the machine.
The machine is easy to be damaged after being drenched with water. When you want to wash the car, please be careful not to spray water on the machine.
★ When the machine works at high power output for a long time, the temperature of its casing may increase to about 70 ℃. Although it is not a defect, it is best not to touch the casing.
★ The company will provide warranty for non-human damage to the machine. Non professional maintenance personnel of the company shall not disassemble the machine for adjustment and maintenance without authorization, otherwise the company will not provide warranty.

2) SEAT

1) Technical characteristics



1、Maximum suspension stroke of vibration reduction is 90mm.

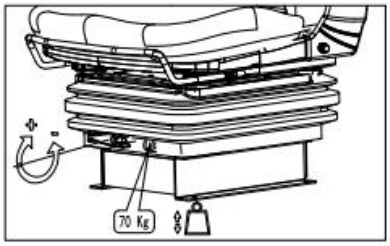
2、Stepless adjustment according to the body weight between 50-130kg.

3、The adjustable range of backrest Angle is 136.5°.

4、the adjustable range of front and rear seats is 165mm.

5、Seat headrest height adjustment 120mm.

2) Shock absorber weight adjustment instructions

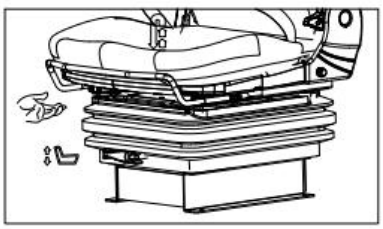


1、rotating weight adjustment handle.

2、clockwise (+) rotating the handle increases the weight adjustment scale value, counterclockwise rotating the handle decreases the weight adjustment scale value.

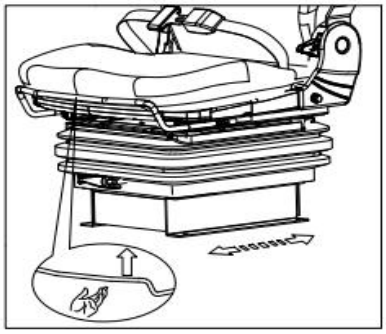
3、After reaching the personal comfortable weight scale release the weight adjustment handle.

3) Seat height adjustment instructions



1、Seat height adjustment is divided into three settings, the lowest position is one setting.

2、fixed the seat, slowly lift the seat up, hear the click sound, reach the second setting; Continue to lift, hear the click again, reach the third setting continue to lift the seat to the sound highest position, release, seat automatically back to first setting.

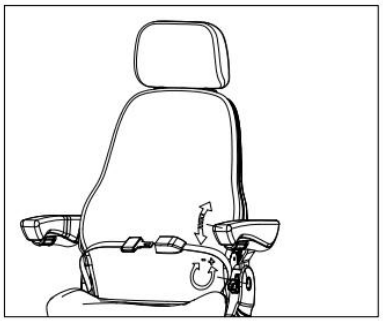


4) Seat front and rear adjustment instructions

1、Move the seat slideway to adjust the handle.

2、Drag the seat forward or backward to slide back and forth.

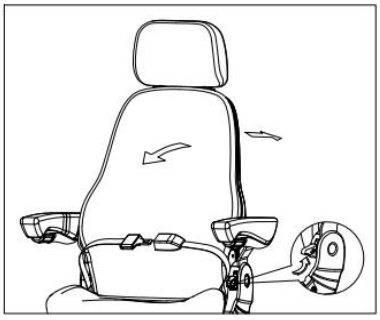
3、After adjusting to a proper position, release the adjusting handle of the guide rail.



5) Handrail adjustment instructions

1、Rotate the handwheel at the bottom of the handrail to adjust the Angle of the handrail; When adjusting, the hand cannot press above, need to lift up handrail slightly adjust again.

2、When the handwheel rotates outward (+), the front end of the handrail rises; When the handwheel rotates inward (I), the front end of the handrail is lowered.

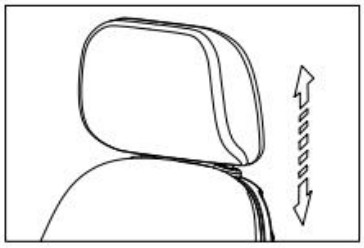


6) Backrest Angle adjustment instructions

1、 Pull the backrest adjustment handle on the left side of the seat.

2、 After pulling the handle, lean forward or backward to adjust the backrest Angle.

3、After reaching the Angle of personal comfort, release the adjusting handle of backrest.



7) Seat headrest adjustment instructions

1、To raise, hand directly hold the headrest up.

2、downward, hand directly grasp the head pillow pressure can be.

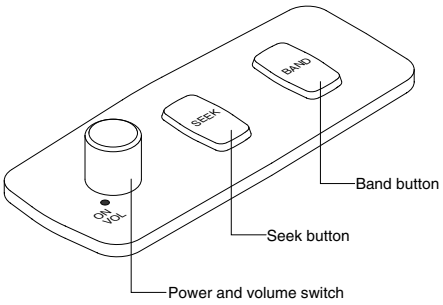
8) Matters needing attention

1、When adjusting the seat before and after adjusting the Angle of the backrest, the adjusting handle plate should be in place and the lock should be completely removed before adjustment.

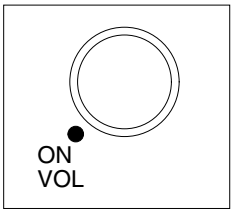
2、 After adjustment, the return position of each handle should be in place to ensure reliable locking mechanism.

3、When the weight adjustment scale reaches the red warning line, it is forbidden to adjust downward again!

3) RADIO REMOTE CONTROLLER



(1) Power and volume switch

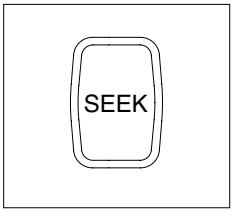


① This switch is turned to right, power will be turned ON and the sound is increased.

② If it is turned to left, volume will be decreased and power will be turned OFF.

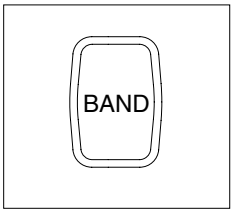
※ **This switch does not operate when turning ON the cassette radio power.**

(2) Seek button



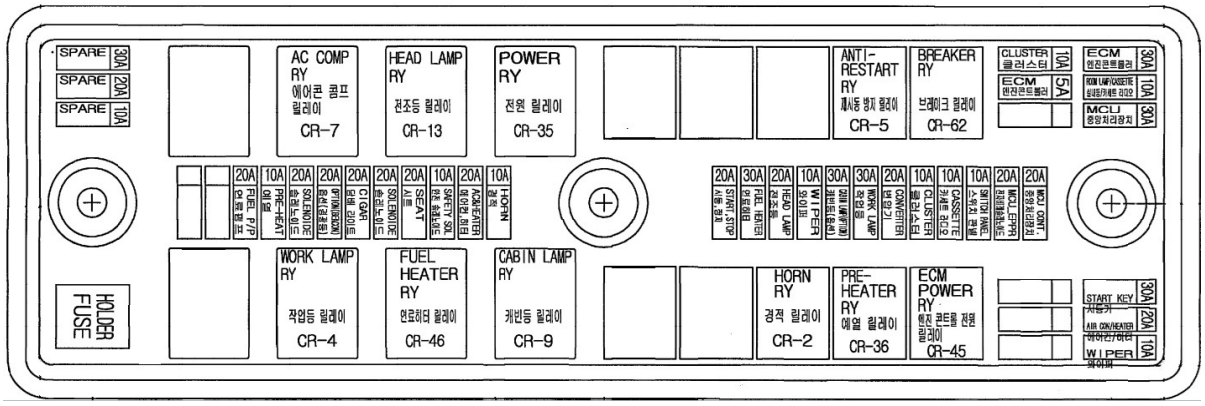
① If this seek button is pressed, the radio automatically stops at the next frequency of broadcasting for your listening.

(3) Band button



① You can listen to broadcasting on AM or FM band by pressing this band selection button.

4) FUSE BOX



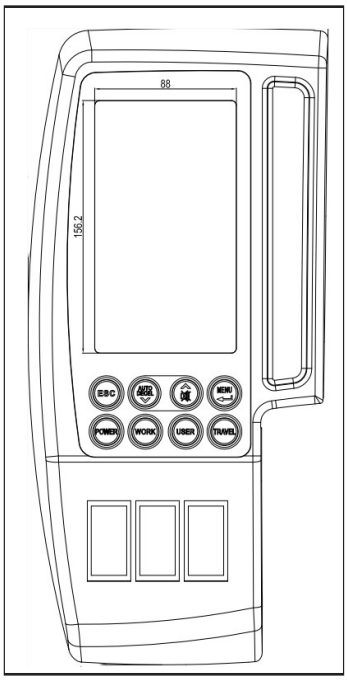
(1) The fuses protect the electrical parts and wiring from burning out.

(2) The fuse box cover indicates the capacity of each fuse and circuit it protects.

※ **Replace a fuse with another of the same capacity.**

⚠ **Before replacing a fuse, be sure to turn OFF the starting switch.**

5) CMCU(cluster&machine control unit integration)

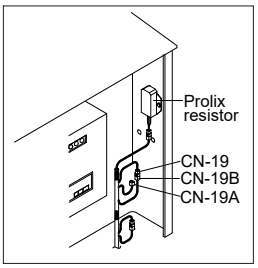


(1) Cluster and MCU integrated configuration, with all MCU functions.

(2) To match the pump absorption torque with the engine torque, MCU varies EPPR valve output pressure, which control pump discharge amount whenever feedbacked engine speed drops under the reference rpm of each mode set.

※ **Refer to the page 3-2 for cluster function.**

6) PROLIX RESISTOR



(1) This resistor is used to continuous working in case of malfunction of the MCU.

※ Never connect connector CN-19 with connector CN-19B when MCU is in normal operation.

· Normal : CN-19 connect with connector CN-19A

· Emergency : CN-19 connect with connector CN-19B

7) SERVICE METER

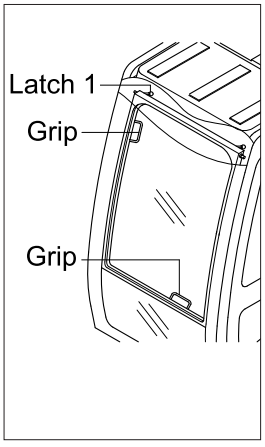
(1) This meter shows the total operation hours of the machine.

(2) Always ensure the operating condition of the meter during the machine operation. Inspect and service the machine based on hours as indicated in chapter 6, maintenance.

8) USB接口

(1) Connect other auxiliary equipment as required

9) UPPER WINDSHIELD



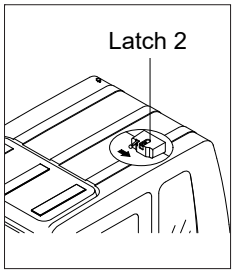
(1) Perform the following procedure in order to open the upper windshield.

① Release both latches(1) in order to release the upper windshield.

② Hold both grips that are located at the bottom of the windshield frame and at the top of the windshield frame push the windshield upward.

③ Hold both grips that are provided on the windshield frame and back into the storage position until auto lock latch(2) is engaged, move the levers of both latches(1) into the locked position. Push the levers toward the rear of the cab in order to hold the windshield in storage position.

⚠ When working, without having locked the windshield by the auto lock (by pushing the windshield to the rear untill it's completely fixed), please be careful as it can cause personal injury if the windshield is not fixed or falls off.

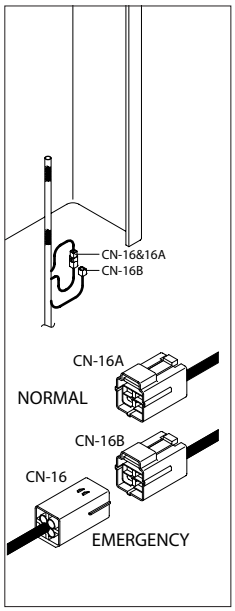


(2) Perform the following procedure in order to close the upper windshield.

① Move the lever of the auto lock latch(2) in the direction of the arrow in order to release the auto lock latch.

② Reverse step ① through step ③ in order to close the upper windshield.

10) EMERGENCY ENGINE SPEED CONTROL CONNECTOR



(1) When the CAN communication between the ECM and the MCU is abnormal due to malfunction of the MCU, change CN-16 connection from CN-16A to CN-16B and then control the engine speed by rotating accel dial switch.

※ **Never connect connector CN-16 with CN-16B when MCU is in normal operation.**