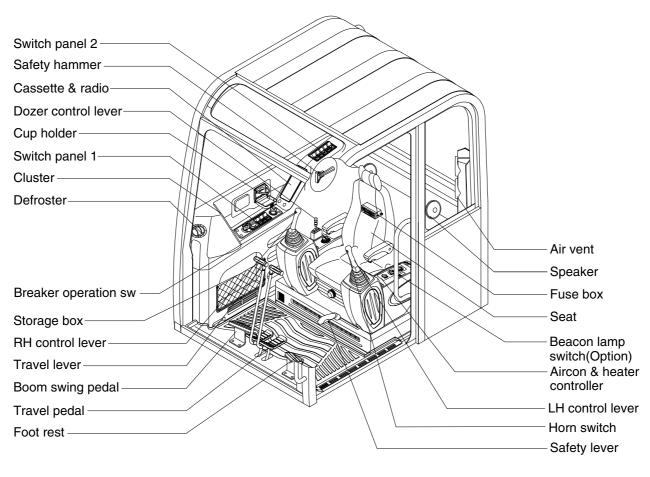
1. CAB DEVICES

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.



R557A3CD01A

2. CLUSTER

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

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

	HYUNDAI	Fuel gauge
		Fuel low level warning lamp
Engine coolant temp gauge		Engine RPM gauge
Overheat warning lamp	15 20	-Service meter
	10 20 10 100rpm 25	Buzzer stop switch
	E ⁵ 30-	-Battery charging warning lamp
Engine oil filter warning lamp	F 0 35 7	—M mode switch
Air cleaner warning lamp	BBBBB	Head light high beam pilot lamp
	Enuura	Ram lock pilot lamp
Hyd oil temp warning lamp		Engine oil pressure warning lamp
Engine fault warning lamp	9 - B B - C	Preheat pilot lamp
Brake oil pressure warning lamp		——Parking lock pilot lamp
		——Travel speed pilot lamp(High)
M mode pilot lamp	H 18:88	Travel speed pilot lamp(Low)
Hour adjust switch		Null(See RH multifunction sw)
		Minute adjust switch

R557A3CD02A

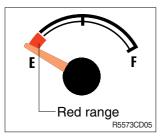
* The warning lamp lights ON and the buzzer sounds when the machine has a problem. In this case, press the buzzer stop switch and buzzer stop, but the warning lamp lights until the problem is cleared.

1) GAUGES AND DISPLAYS

(1) Service meter



(2) Fuel gauge

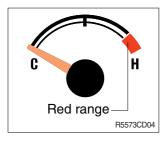


- $(\ensuremath{\underline{1}})$ This meter shows the total operation hours of the machine.
- ② Always ensure the operating condition of the meter during the machine operation.

Inspect and service the machine based on hours as indicated in chapter 6, **maintenance**.

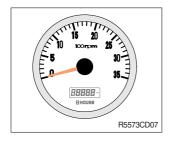
- 1 This gauge indicates the amount of fuel in the fuel tank.
- 2 Fill the fuel when the red range or warning lamp \blacksquare ON.
- If the gauge indicate the red range or warning lamp ON. Even though the machine is on the normal condition, check the electric device as that can be caused by the poor connection of electricity or sensor.

(3) Engine coolant temperature gauge



- ① This indicates the temperature of coolant.
 - Red range : Above 105°C (221°F)
- ② When the red range pointed or warning lamp ON, engine do not abruptly stop but run it at medium speed to allow it to cool gradually, then stop it.
 - Check the radiator and engine.
- * If the engine is stopped without cooled down running, the temperature of engine parts will rise suddenly, this could cause severe engine trouble.

(4) Engine rpm gauge



① This gauge displays the number of engine revolutions per minute.

(5) Clock



- 1 This displays the current time.
- O Refer to the hour/minute adjust switch for adjusting time.

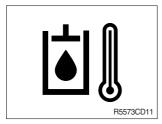
2) WARNING AND PILOT LAMPS

(1) Fuel low level warning lamp



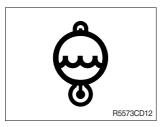
- ① This lamp blinks and the buzzer sounds when the level of fuel is below 13 *l* (3.4U.S. gal).
- ② Fill the fuel immediately when the lamp blinks.

(2) Hydraulic oil temperature warning lamp



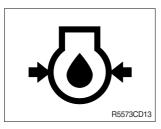
- 1 This warning lamp operates and the buzzer sounds when the temperature of hydraulic oil is over 105°C (221°F) .
- ② Check the hydraulic oil level when the lamp blinks.
- ③ Check for debris between oil cooler and radiator.

(3) Overheat warning lamp



 This lamp blinks and the buzzer sounds when the temperature of coolant is over the normal temperature 110°C (230°F).
 Check the cooling system when the lamp blinks.

(4) Engine oil pressure warning lamp



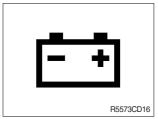
- ① This lamp blinks and the buzzer sounds after starting the engine because of the low oil pressure.
- ② If the lamp blinks during engine operation, shut OFF engine immediately. Check oil level.

(5) Air cleaner warning lamp



- ① This lamp blinks 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



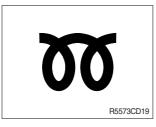
- This lamp blinks and the buzzer sounds when the starting switch is ON, it is turned OFF after starting the engine.
- ② Check the battery charging circuit when this lamp blinks during engine operation.

(7) Engine fault warning lamp



- ① This lamp is ON and the buzzer sounds when the ECM on the engine is abnormal.
- 2 Check the ECM of the engine.
- * Please contact Hyundai service center in your area.

(8) Preheat pilot lamp



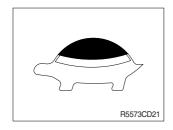
- ① When engine preheating switch is turned ON, pilot lamp cames ON.
- O Refer to the preheating switch for details.

(9) Travel speed pilot lamp(High)



When this lamp turned ON, the machine travel high speed.
 Refer to the travel speed select switch for details.

(10) Travel speed pilot lamp(Low)



When this lamp turned ON, the machine travel low speed.
 Refer to the travel speed select switch for details.

(11) M mode pilot lamp



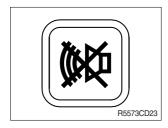
① This lamp is ON when the M mode switch is pressed.

3) SWITCHES

(1) Travel speed control switch



(2) Buzzer stop switch



(3) M mode switch

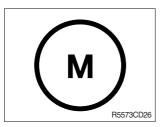


(4) Hour adjust switch



- 1) This switch is used to adjust hour.
- ② The switch is pressed, hour is increased.

(5) Minute adjust switch



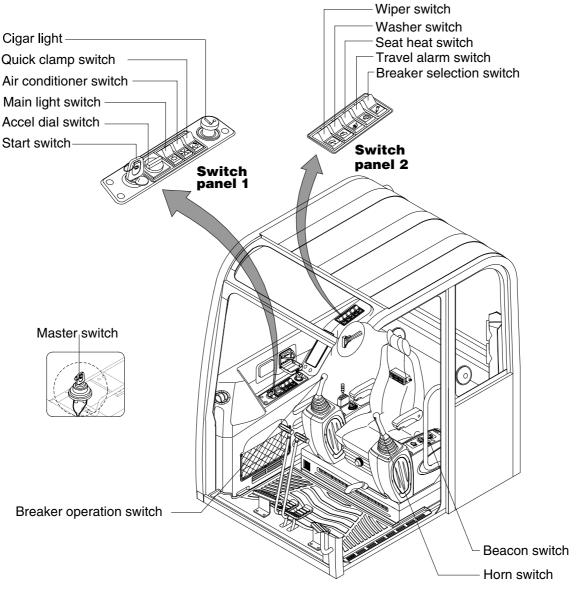
- ① This switch is used to adjust minute.
- ② The switch is pressed, minute is increased.

- This switch is to control the travel speed which is changed to high speed(Rabbit mark) by pressing the switch and low speed(Turtle mark) by pressing it again.
- ① When the starting switch is turned ON first, normally the alarm buzzer sounds for 6 seconds during lamp check operation.
- ② The red lamp lights ON and the buzzer sounds when the machine has a problem.

In this case, press this switch and buzzer stops, but the red lamp lights until the problem is cleared.

- ① This switch is used to maximum power.
- O When this switch is pressed, the M mode pilot lamp is ON or OFF.

3. SWITCHES



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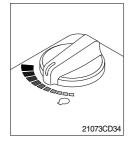
1) STARTING SWITCH



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

- \cdot (OFF) : None of electrical circuits activate.
- (ON) : All the systems of machine operate.
- $\cdot \bigcirc$ (START) : Use when starting the engine. Release key immediately after starting.
- * Key must be in the ON position with engine running to maintain electrical and hydraulic function and prevent serious machine damage.

2) ACCEL DIAL



3) MAIN LIGHT SWITCH



- (1) There are 10 dial setting.
- (2) Setting 1 is low idle and setting 10 is high idle.
 - \cdot By rotating the accel dial to right : Engine speed increased.
 - \cdot By rotating the accel dial to left : Engine speed decreased.
- (1) This switch use to operates the head light and work light by two step.
 - First step : Head light and cluster illumination lamp comes ON.
 - Second step : Work light comes ON. Also, the below indicator lamp comes ON.

4) AIRCON SWITCH



- (1) This switch use to operates the air conditioner.
- (2) Refer to the air conditioner and heater for detail operation.

5) WIPER SWITCH



(1) The switch use to operates the wiper. The wiper operates.

6) WASHER SWITCH



- (1) This switch use to operates the washer.
 - The washer liquid is sprayed and the wiper is operated only while pressing this switch. If release the switch, return to the first position.

7) TRAVEL ALARM SWITCH(Option)



- (1) This switch is the signal to alarm surroundings when the machine travels to forward and backward.
- (2) On pressing this switch, the alarm operates only when the machine is traveling.

8) BREAKER SELECTION SWITCH(Option)



- (1) This switch is used to operates breaker.
- * The breaker operates only when this switch is pressed.

9) BEACON SWITCH(Option)



- (1) This switch turns ON the rotary light on the cab.
- (2) The below indicator lamp is turned ON when operation this switch.

10) QUICK CLAMP SWITCH(Option)



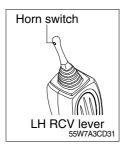
- (1) This switch is used to engage or disengage the moving hook on quick clamp.
- * Refer to the page 8-6 for details.

11) MASTER SWITCH



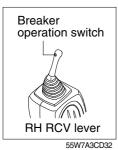
- (1) This switch is used to shut off the entire electrical system.
- (2) I : The battery remains connected to the electrical system.O : The battery is disconnected to the electrical system.
- * Never turn the master switch to O(OFF) with the engine running. It could result in engine and electrical system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

12) HORN SWITCH



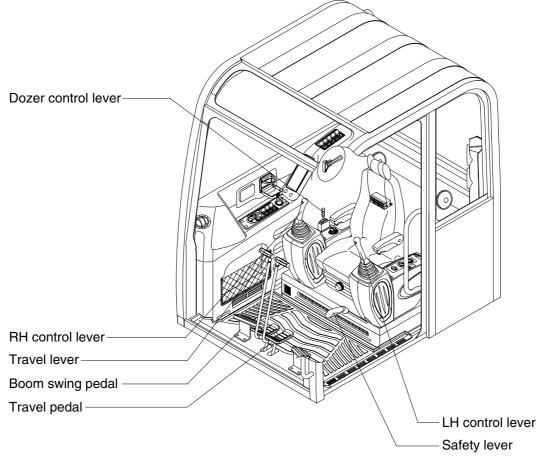
(1) This switch is at the top of left side control lever. On pressing, the horn sounds.

13) BREAKER OPERATION SWITCH



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

4. LEVERS AND PEDALS



R557A3CD33A

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) SAFETY LEVER



- (1) LH, RH control levers and dozer control lever are disabled from operation by locating the lever to lock position as shown.
- * Be sure to raise the lever to LOCK position when leaving from operator's seat.
- (2) By pushing lever to UNLOCK position, machine is operational.
- * Do not use the safety lever for handle when getting on or off the machine.
- ▲ The machine is able to travel even when the safety lever is in the LOCK position.

4) TRAVEL LEVER



5) TRAVEL PEDAL



- (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 the machine in chapter 4 for details.
- (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.

6) SEAT AND CONSOLE BOX ADJUST LEVER



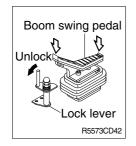
- (1) This lever is used to move the seat and console box to fit the contours of the operator's body.
- (2) Pull the lever to adjust forward or backward over 90mm(3.5").

7) DOZER CONTROL LEVER



- (1) This lever is used to operate the dozer blade.
- (2) If the lever is pushed forward, the dozer blade will be going down. If the lever is pulled back, the dozer blade will be going up.

8) BOOM SWING PEDAL

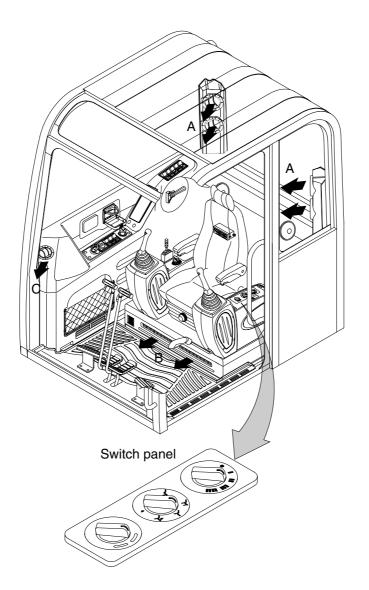


- (1) This pedal is used to swing the boom to the right and left direction.
- (2) Move the lock lever to unlock position by foot.
- (3) The pedal is pressed to front side, boom will move to the left direction. The pedal is pressed to rear side, boom will move to the right direction.
- * Move the lock lever to LOCK position When leaving from operator's seat.

5. AIR CONDITIONER AND HEATER

Air conditioner and heater are equipped for pleasant operation against outside temperature.

· Location of air flow ducts



R557A3CD45

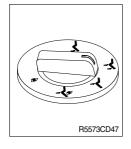
1) FAN SWITCH



It is possible to control the fan to four steps.

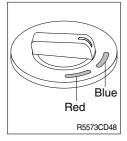
- · : Low
- · I Medium-Low
- III : Medium-High
- 💵 : High

2) OUTLET CHANGE OVER SWITCH



		Mode			-	_
Switch position		r.	<i></i>	た	₩ <u></u>	
	А		•	•		
Outlet	В	•		•	•	
	С				•	•

3) TEMPERATURE CONTROL SWITCH



(1) Cooling(Air conditioner switch : ON)

- ① Turned ON the air conditioner switch on the switch panel.
- ② Turn the control switch into **blue range** to decrease output air temperature.

(2) Heating(Air conditioner switch : OFF)

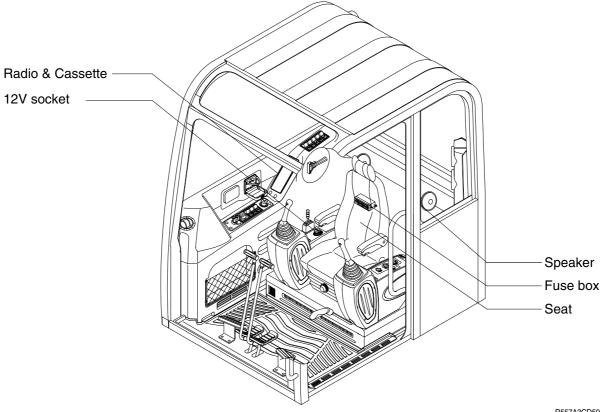
- ① Turned OFF the air conditioner switch on the switch panel.
- 0 Turn the control switch into red range to increase temperature.

4) OUTLET CONTROL LOUVER

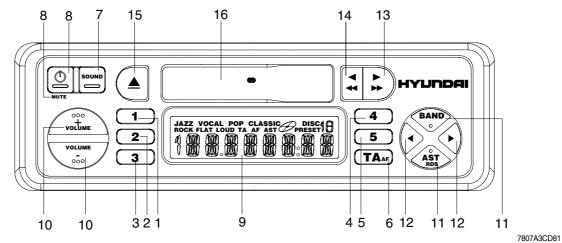


The direction of air can be controlled. It can be closed or opened.

6. OTHERS



R557A3CD50



1) RADIO AND CASSETTE

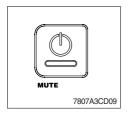
FRONT PANEL PRESENTATION

1 (1) ······· Preset button 1
2 2 ······· Preset button 2
3 3 ······· Preset button 3
4 4 ······ Preset button 4
5 5 ······· Preset button 5
6 (TA AF) ······· Short press : TA on/off
Long press : AF on/off
7 SOUND Select sound/audio styles
8 🔿 Short press : power on
Long press : power off
MUTE Short press : To mute or cancel mute.
9 ······ Display
10 ······ Volume knob : Press up/down to
adjust the volume ; adjust selected
audio mode

11 RDS Long press : RDS on/off
BAND Short press : To select band
AST Short press : Autostore
12 I I I I I I I I I I I I I I I I I I I
Short press : Auto search up/down
Long press : Manual search up/down
Cassette mode : No function
13 💺 ········ Fast forward
14 🔩 ········· Fast rewind
15 🔺 ······· Eject cassette
16 ····· Cassette opening

AUDIO

(1) Power and mute button



① POWER ON/OFF

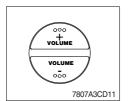
Press to switch on the set. Press for more than 2 seconds to switch off the set.

② MUTE(Silence)

Short press () key to mute or cancel the mute(silence).

* The silence period may be interrupted by ALARM announcement or traffic announcement messages(If TA is switched on).

(2) Volume button



Press the volume button up/down to adjust the volume.
 Please make sure you can still hear the traffic(horns, sirens..).

(3) Sound button



1) SOUND

Whether you listen to Jazz, Vocal, Pop, Classic or Rock music, the SOUND button is the perfect setting for your choice.

 Press SOUND then the sound button to select BASS-Treb for your own sound style, or adjust the settings with the volume up/down buttons to select one of the pre define sound styles:

γ - BASE -TRE	: Your own settings of bass and treble.
---------------	---

	- FLAT	: Original
	- JAZZ	: Jazz music
	- VOCAL	: Speech
	- POP	: Pop music
	- CLASSIC	: Classical music
J	- ROCK	: Rock music

2 AUDIO SETTING

- · Press SOUND to select desired audio mode.
- $\cdot\,$ Adjust the settings with the volume up/down buttons :

	\cap	- Sound style	: BASS-TRE, FLAT, JAZZ, VOCAL, POP, CLASSIC, ROCK
		DACC	
		- BASS	: Low notes
		- TREBLE	: High notes
		- BALANCE	: Left-right
4	1	- FADER	: Rear-front
	\cup	- LOUD	: OFF, LOW, MID, HIGH

Press the volume button to adjust the selected audio mode.
 After 5 seconds the display goes back to the last mode of operation.

Adjustment of Bass and Treble settings is only possible when BASS-TRE is selected as the sound style.

■ RADIO

(1) Wave band / Automatic search button



() WAVEBAND

· Press BAND to select the desired band:



② AUTOMATIC SEARCH

Use search tuning to automatically search for a station.

- Press

 to tune a station of a lower frequency or
 to a higher frequency.
- · To search for another station, press the key again.

③ MANUAL TUNING(If you know the frequency of the required station)

· To switch to manual tuning :

Long press the search button \blacktriangleleft or \blacktriangleright for more than 2 seconds will switch the tuning to manual tuning.

- When keys are released, a time-out start to count. After 5 seconds time-out, display 'Auto' for one second and return to automatic search.

(2) Preselected button



Preselected stations

① Manually storing stations in a preset

Five stations per band can be stored and recalled using the preset keys(1 to 5).

Tune in to the desired station.

. Press the desired preset key(1 to 5) for more than 2 seconds to . store the current tuned station.

When storing an FM station, the current program station name and the AF mode are stored on the preset(Some stations use alternating program service name).

② Recalling a preset

Press the desired preset key(1 to 5) to recall the stored station.

③ Automatically storing stations(AUTO-STORE)

You can automatically store 5 strongest FM stations on the FM AST band or 5 strongest MW(AM) stations on the MW(AM) AST band. When you use Auto store, the new stations replace any stations previously stored in the FM AST band or the MW(AM) AST band.

- Press AST to activate autostore.
- $\cdot \,$ The set gives a beep and then mutes.
- When it has finished, you hear a beep followed by the station stored on preset 1.
- · Sometimes it may not be possible to find 5 stations.

RADIO DATA SYSTEM(RDS) ON FM



More and more stations broadcasts RDS informations in order to offer you many advantages including:

(1) Program service name(PS)

Allows the radio to display the name of the station instead of its frequency.

(2) Automatic returning(AF)

The set remains tuned to the current station by continually searching the best alternative frequency for best reception.

You can switch AF off.

- Activate/Deactivate AF

This set continuously search for other alternative frequencies for the tuned radio station and automatically selects the best frequency for reception. Long press (TA_{AF}) for more than 2 second to activate/ deactivate AF.

(3) Alarm messages(PTY ALARM)

This set automatically receives emergency messages made by the broadcaster.

 During the messages the display shows 'ALARM' and the stationname alternately.

(4) Traffic announcements(TA)

You can activate the TA modes to give priority so as to hear traffic announcements related to these subjects(even if you play a cassettes/CD or mute the set).

- Activate/Deactivate TA
- · Short press BAND to select an FM band.
- · Press (TA_{AF}) to activate/deactivate TA.
- If you activate TA mode
- You will hear the traffic announcements when broadcast by station(even if you play a cassette/CD or mute the set).
- If the tuned station does not enable the reception of traffic announcements, the display shows 'NO TA'. The radio automatically searches and appropriate station.

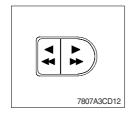
- Interrupting traffic announcement mode

If you do not wish to continue listening to a particular traffic announcement

- Short press **TA** *i* key to interrupt traffic announcement without switching off the mode
- · The set will return to the previous operating mode.
- * You can switch off RDS features if not required.
- · Long press RDS key to switch off RDS.
- All RDS related features e.g., TA, etc...will be deactivated when RDS is switch off.

■ CASSETTE PLAYER

(1) Winding/Rewinding button



- * Only use good quality cassettes.
- * To avoid possible tape damage always take out the cassette after use. Protect your cassettes. Put them back in their boxes immediately after use.
- * Never expose cassettes to heat or direct sunlight.

1) Play back

Slide the cassette, with the open side to the right into the cassette opening. Playback starts.

The direction of playback is shown by indicator \blacktriangleright .

② Stopping playback(▲)

- $\cdot\,$ To stop playback, Press the \triangleq button fully home.
- $\cdot\,$ The unit will switch over to radio reception.
- · The cassette is partially ejected.

③ Reverse(before the end of the tape)

Press the \blacktriangleleft and \blacktriangleright buttons at the same time halfway in.

④ Fast rewind / Fast forward(\blacktriangleleft or \blacktriangleright)

The direction of fast winding depends on the direction of play indicated on the display.

Display during playback	Action	Key to press
•	Fast forward	►
▶	Fast rewind	
◀	Fast forward	
•	Fast rewind	₩

During fast forward or rewind the radio resumes. If you continue fast winding until the end of the tape, play back restarts automatically.

(5) To stop fast winding

To stop fast winding before the end of the tape, press the key which is not pressed (\blacktriangleleft or \blacktriangleright). Playback is then resumed.

6 End of the tape

At the end of the tape, playback continues in the revers direction.

⑦ Maintenance

After extended use of the cassette player, dust, contamination or grime can accumulate on the playback head.

This results in diminishing high-note reproduction. This can be remedied using a cleaning cassette(one or twice a month) and playing it through like an ordinary cassette.

RADIO SETTING



(1) AMERICA

 $\mathsf{Press} \textcircled{0}$, No. 1 and No. 4 buttons at the same time. Set up completes displaying " <code>AMERICA</code>".

(2) SOUTH AMERICA

Press O , No. 2 and No. 5 buttons at the same time. Set up completes displaying " SOUTH".

(3) ASIA

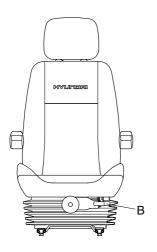
 $\mathsf{Press} \textcircled{0}$, No. 1 and No. 5 buttons at the same time. Set up completes displaying " ASIA".

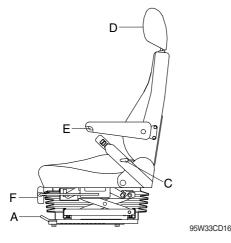
(4) EUROPE

Press power, No. 2 and No. 4 buttons at the same time. Set up completes displaying " EUROPE".

2) 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.





(1) Forward/Backward adjustment(A)

- ① Pull lever A to adjust seat forward or backward.
- ② The seat can be moved forward and backward over 170mm(6.7") in 9 steps.

(2) Upward/Downward adjustment(B)

- ① Pull or push lever B to adjust seat upward or downward.
- ② Forward or backward side adjustment only can be made, tilting to one side, by moving lever B respectively.
- (3) Reclining adjustment(C)

Pull lever C to adjust seat back rest.

(4) Arm rest adjustment(E)

This can be adjusted by rotating the dial or knob E to right and left.

(5) Head rest adjustment (D)

This is adjustable vertically and inclinedly to fit operator's requirements.

- (6) Cushion adjustment (F) Adjust the handle to the operator's weight.
- A Always check the condition of the seat belt and mounting hardware before operating the machine.
- A Replace the seat belt at least once every three years, regardless of appearance.

3) 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 12V, 120W.

4) 12V SOCKET(Option)



(1) Utilize the power of 12V as your need and do not exceed power of 12V, 120W.

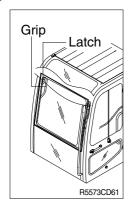
5) FUSE BOX

WORK LAMP	20A	START KEY	30A
FUEL FILLER P/P	20A	CASSETTE ROOM LAMP	10A
CIGAR LIGHT	20A	CLUSTER	10A
SAFETY SOL	10A	ENGINE CONTROLLER	30A
SOLENOID	20A	CASSETTE RADIO	10A
ALT START	20A	CLUSTER	10A
TRAVEL	10A	WIPER	20A
ROTARY LAMP	20A	AIR-CON HEATER	20A
PRE-HEAT	20A	AIRCON FAN	20A
FEED P/P	10A	HEAD LAMP	20A
FUSE HOLDER		SPARE	10A
		SPARE	20A

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- (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.
- A Before replacing a fuse, be sure to turn OFF the starting switch.

6) UPPER WINDSHIELD



- (1) Perform the following procedure in order to open the upper windshield.
- ① Release both latches in order to release the upper windshield.
- ② Hold both grips that are located at both side 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 is engaged.
- (2) Perform the following procedure in order to close the upper windshield. Reverse step ① through step ③ in order to close the upper windshield.