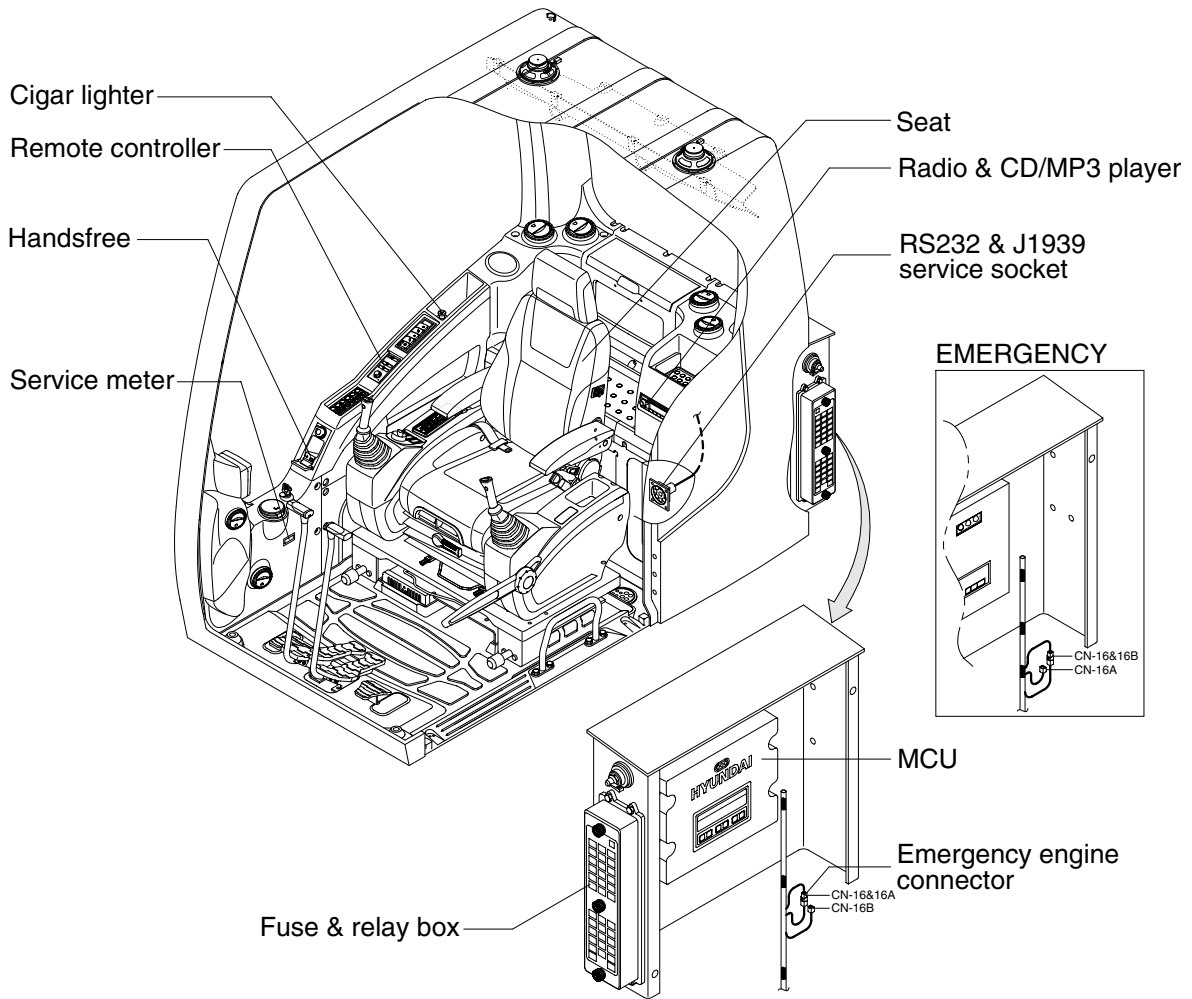
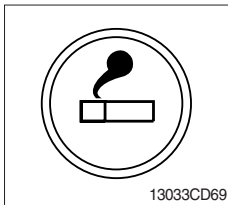


## 6. OTHERS



21093CD50

### 1) 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.

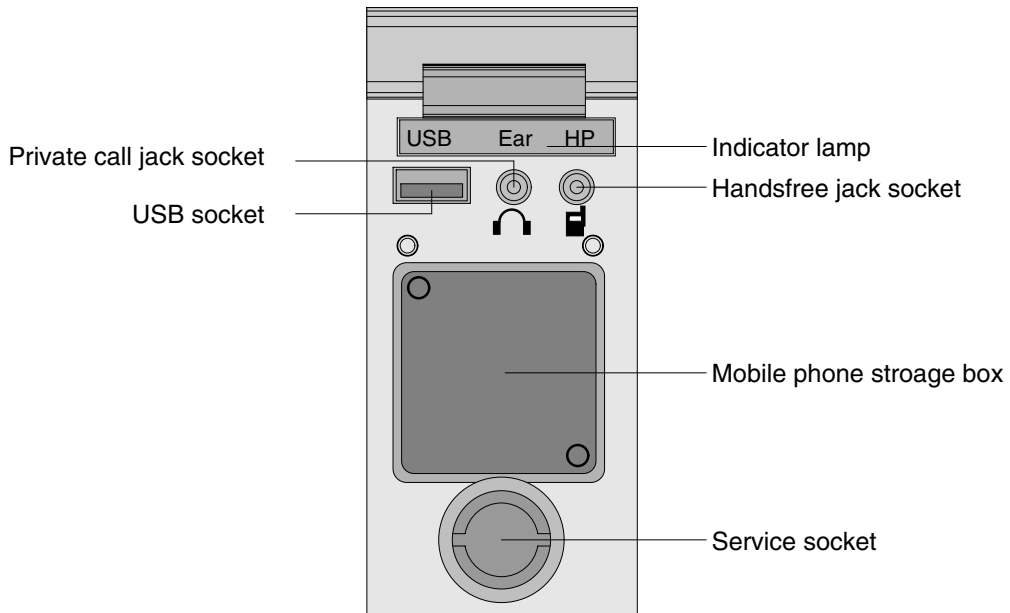
※ **Service socket**

**Use cigar lighter socket when you need emergency power.**

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

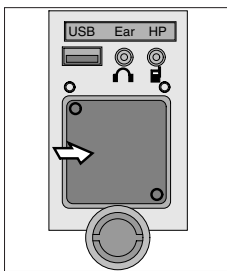
## 2) HANDSFREE

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

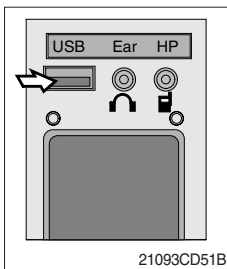
### (1) Mobile phone storage box



21093CD51A

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

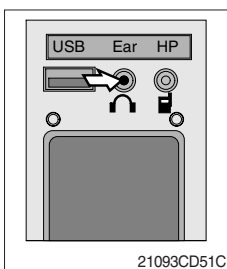
### (2) USB socket



21093CD51B

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

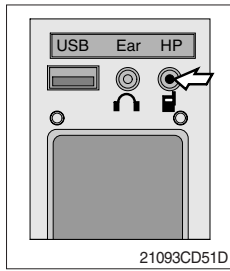
### (3) Private call jack socket



21093CD51C

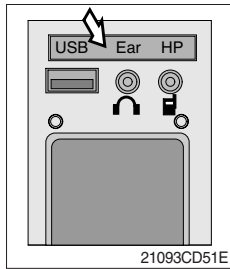
- ① This can be used protect you privacy calling by using ear phone.
- ② The mobile phone must be connected handsfree jack socket.

#### (4) Handsfree jack socket



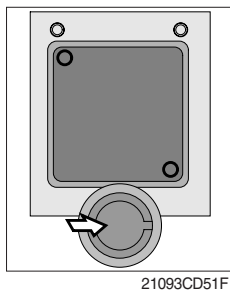
- ① Connect the jack cable when call by handsfree.
- ② Use the special adapter when jack cable is not interchangeable.
- ③ Check the jack type of mobile phone before use.

#### (5) Indicator lamp



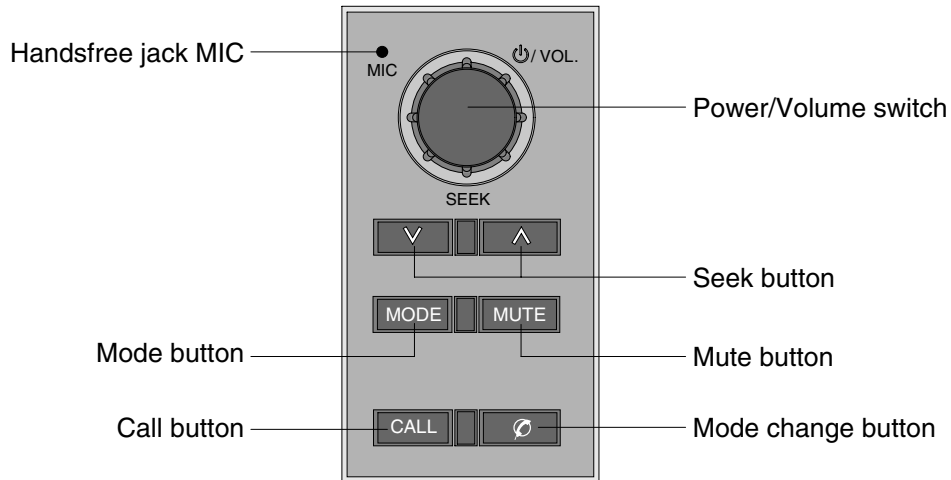
- ① This lamp is turned ON when the handsfree mode selected.

#### (6) Service socket



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

### 3) REMOTE CONTROLLER



21093CD52

#### (1) Power and volume switch



21093CD52A

- 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.**

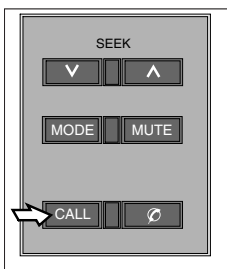
#### (2) Mode change button



21093CD52B

- 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

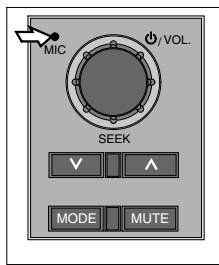
#### (3) Call button



21093CD52C

- ① This button is used answer a call, last number redial, ring off.
  - ② For calling, press the button over 0.5sec within 3 seconds until the beep sounds.
- ※ **This can be used when the starting switch is ON.**

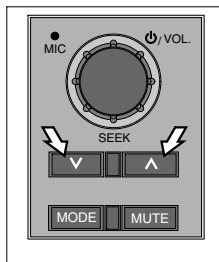
#### (4) Handsfree MIC





21093CD52D

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

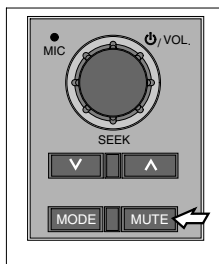
#### (5) Seek button



21093CD52E

- ① If this button pressed, the radio automatically stops at the next frequency of broadcasting for your listening.
- ② Press  to turn a station of a higher frequency or  to a lower frequency.

#### (6) Mute button



21093CD52G

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

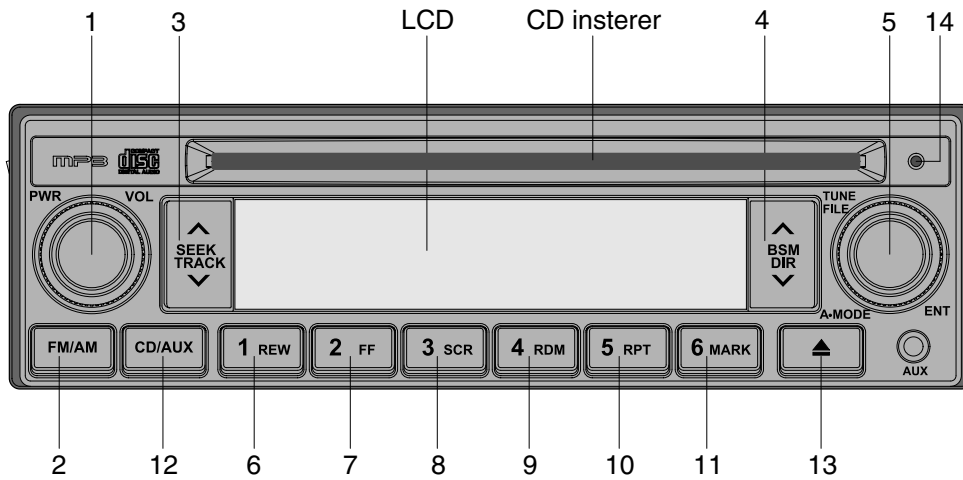
#### (7) Mode button



21093CD52F














- ① Press the mode button to select the desired mode.
  - ② FM1 → FM2 → AM → CD → MP3 → FM1
- ※ **The LCD displayed each mode.**

#### 4) RADIO AND CD/MP3 PLAYER



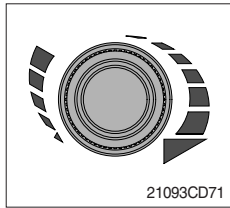
21093CD70

#### ■ FRONT PANEL PRESENTATION

- |   |   |
|---|---|
| <p>1  ..... Power and volume switch<br/> PWR ..... Press to power on/off<br/> VOL ..... Turn right/left to adjust the volume</p> <p>2  ..... AM/FM button (radio)</p> <p>3  ..... Seek mode (radio)<br/> Auto search up/down<br/> ..... Track mode(CD)<br/> Short press : Next/previous track<br/> Long press : Fast forward or rewind<br/> Memory file search up/down (MP3)</p> <p>4  ..... BSM mode (radio)<br/> 6 best station automatic memory<br/> ..... DIR mode (MP3)<br/> Select the desired folder (MP3)<br/> Long press : Fast forward or rewind</p> <p>5  ..... Manual frequency search (radio)<br/> Turn right/left to adjust the frequency<br/> FILE ..... Search for desired file (CD/MP3)<br/> Turn right/left to adjust the track no<br/> A · MODE ... Select bass/middle/treble (radio)<br/> ENT ..... Select the desired track (CD/MP3)</p> | <p>6  ..... Preset memory button 1<br/> REW ..... Fast rewind (CD)</p> <p>7  ..... Preset memory button 2<br/> FF ..... Fast forward (CD)</p> <p>8  ..... Preset memory button 3<br/> SCR ..... Scroll button (CD-MP3)</p> <p>9  ..... Preset memory button 4<br/> RDM ..... CD random playback on/off</p> <p>10  ..... Preset memory button 5<br/> RPT ..... CD repeat track on/off</p> <p>11  ..... Preset memory button 6<br/> MARK ..... Long press : MP3 file memory/deletion<br/> Short press : Memory file playback</p> <p>12  ..... CD playback button<br/> Press to CD insert</p> <p>13  ..... Disc eject (CD)</p> <p>14 ..... CD indicator lamp</p> |
|---|---|

## ■ RADIO

### (1) Power and volume switch



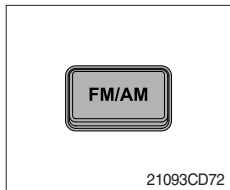
① **Power ON/OFF**

This switch is used to turn the audio ON or OFF.

② **Volume**

This switch turned to right or left, the sound is increased or decreased.

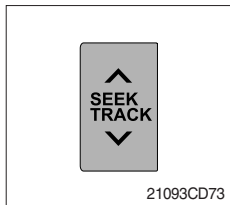
### (2) FM/AM button





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

② The bands are changed in the following order.  
FM1 → FM2 → AM → FM1

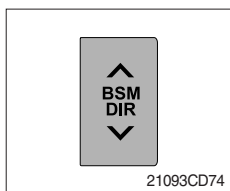
### (3) Seek button



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

② Press  to turn a station of a higher frequency or  to a lower frequency.

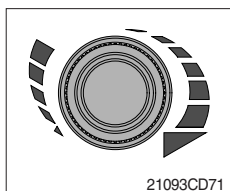
### (4) BSM (best station memory) button



① You can automatically memory 6 strongest FM stations on the FM BSM band or 6 strongest AM stations on the AM BSM band.

- Press BSM to active best station memory.
- The set gives a beep and then mutes.
- When it has finished, you heard a beep followed by the station memoried on preset 1.
- Sometimes it may not be possible to find 6 stations.

### (5) Manual tuning/audio mode button



① It is possible to change manual tuning while broadcasting.  
· Turned to right or left, the frequency is increased or decreased.

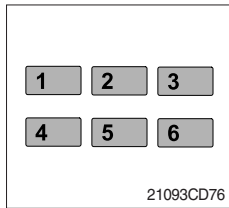
② **Audio mode** (Bass/Middle/Treble)

- Press this button to select desired audio mode.
- Adjust the settings with the volume button right/left.
  - BASS : Press the button once
  - MIDDLE : Press the button twice
  - TREBLE : Press the button three times

③ If it is pressed four times, BALANCE will be selected.

- Turned to clockwise, the LH speaker volume is decreased and counterclockwise, the RH speaker volume is decreased.

## (6) Preset memory button



### ① Manually storing stations in a preset

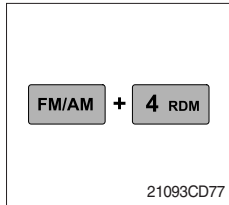
Six stations per band can be stored and recalled using the preset keys (1 to 6).

- Tune in to the desired station.
- Press the desired preset key (1 to 6) for more than 0.8 seconds to store the current tuned station.

### ② Recalling a preset

Press the desired preset key (1 to 6) to recall the stored station.

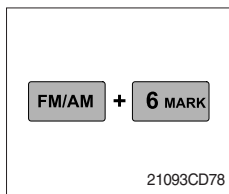
## (7) Frequency band setting



- ① America : Press **FM/AM** and **4 RDM** button at the same time. "nA" will be displayed on the LCD for one second.

AM : Frequency changes in 10kHz between 530 to 1710kHz.

FM : Frequency changes in 0.2MHz between 87.7 to 107.9MHz.

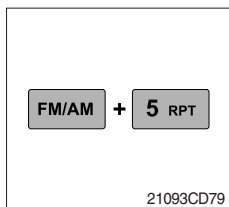


- ① EUROPE : Press **FM/AM** and **6 MARK** button at the same time. "Eu" will be displayed on the LCD for one second.

LW : Frequency changes in 9kHz between 153 to 279kHz.

MW : Frequency changes in 9kHz between 531 to 1620kHz.

FM : Frequency changes in 0.05MHz between 87.5 to 108.0MHz.



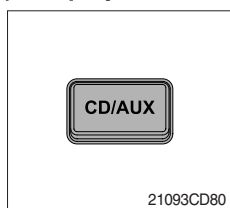
- ① General : Press **FM/AM** and **5 RPT** button at the same time. "inT" will be displayed on the LCD for one second.

AM : Frequency changes in 9kHz between 531 to 1602kHz.

FM : Frequency changes in 0.1MHz between 87.5 to 108.0MHz.

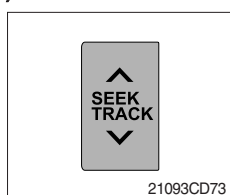
## ■ CD/MP3 PLAYER

### (1) CD playback button



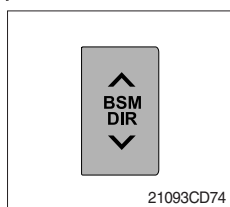
- ① It is possible to change CD playback during broadcasting.
- ② If there was no CD on audio, "NO DISC" displays on LCD during 5 seconds.

### (2) Track button



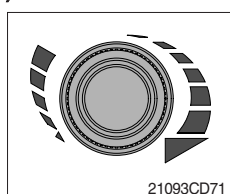
- ① **CD player**
  - Short press : Select the next/previous track
  - Long press : Select the fast forward or rewind
- ② **MP3 player**
  - Memory file search up/down

### (3) DiR mode button (MP3)



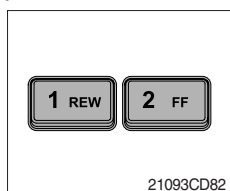
- ① You can find the desired mp3 folder up/down.
- ② If you find desired folder, press the file search button to playback the first file in the folder.
  - ※ **If a file is not selected until 5 seconds after search folder, the function will be terminated.**

### (4) File search button



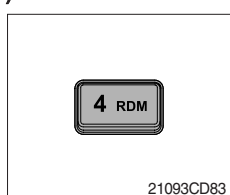
- ① It is possible to search the desired CD track or mp3 file.
  - Turned to clockwise, the CD track or mp3 file number is increased.
  - If it is turned to counterclockwise, CD track or mp3 file number is decreased.
- ※ **If a file or track is not selected until 5 seconds, function will be terminated.**

### (5) Fast rewind/Fast forward button (CD)



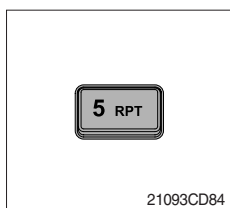
- ① Continually press these button to quickly move rewind or forward through the disc.
  - ※ **The CD player sound level is lower while press this button.**
- ② Normal playback resumes when you release the button.

### (6) Random track button (CD)



- ① Press this button to activate random track playback.
  - ※ **The LCD displays "RDM".**
- ② It is canceled press one more this button.

### (7) Repeat track button (CD)



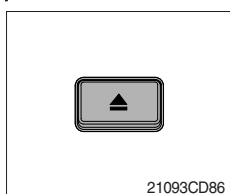
- ① Press this button to activate repeat current track playback.  
※ **The LCD displays "RPT".**
- ② It is canceled press one more this button.

### (8) Mark button (MP3)



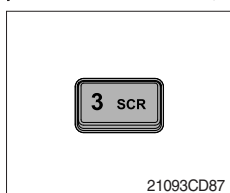
- ① Memory
  - Press over 0.8 second, the current file memorized with a beep (max 100 tune memory).※ **The LCD displays "M" and "Marked number" for 3 seconds.**
- ② **Memory file playback**
  - Press within 0.8 second, the marked file playback.
- ③ **Deletion**
  - Press over 0.8 second, the marked file will be deleted with a beep.

### (9) CD EJECT BUTTON



- ① Press this button to eject the disc.  
※ **If there is no disc in the audio, the LCD displays "NO disc" for 5 seconds.**

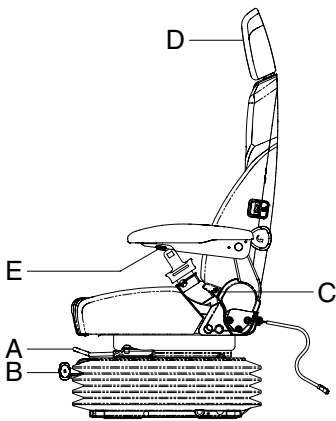
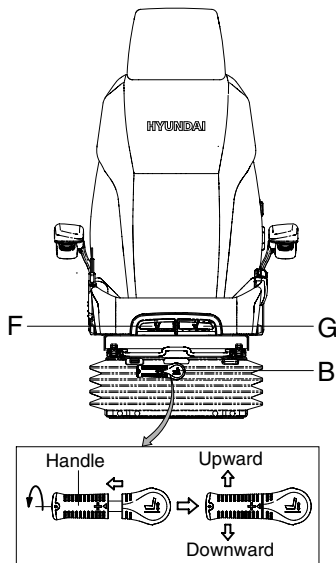
### (10) SCR BUTTON (MP3)



- ① This button to confirm the long file name on LCD.

## 5) 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.



21093CD55

### (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 140 mm (5.5") in 13 steps.

### (2) Height/weight adjustment (B)

- ① Turn the handle to adjust seat upward or downward
  - Turn to clockwise, the seat is moved to upward and the weight is increased.
  - If it is turned to counterclockwise, the seat is moved to downward and the weight is decreased.

### ② Method of changing direction (up/down)

- First, pull the handle to outside.
- Second, rotate 180° and release the handle.

### (3) Reclining adjustment (C)

Pull lever C to adjust seat back rest.

### (4) Arm rest adjustment (E)

This can be adjusted by pushing the button E to right and left.

### (5) Head rest adjustment (D)

This is adjustable vertically to fit operator's requirements over 60 mm (2.4").

### (6) Seat cushion tilt adjustment (F)

Pull lever F to adjust seat cushion tilting angle.

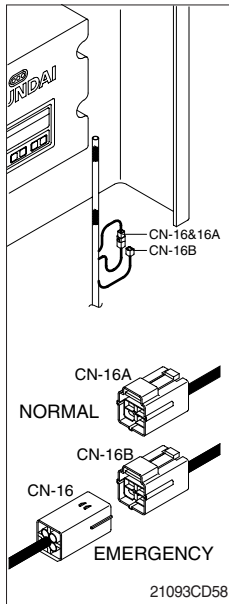
### (7) Seat cushion length adjustment (G)

▲ Pull lever G to adjust seat cushion forward or backward.

▲ Always check the condition of the seat belt and mounting hardware before operating the machine. Replace the seat belt at least once every three years, regardless of appearance.



## 8) EMERGENCY ENGINE STARTING CONNECTOR



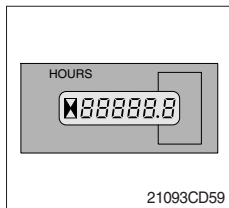
### (1) Emergency starting

- ① If the MCU is removed, the engine does not start.
- ② Before starting the engine, connect the connector CN-16 with 16B.

### (2) Emergency speed control

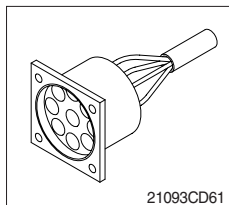
- ① When the CAN communication between the ECM and the MCU is abnormal due to malfunction of the MCU, change CN-16 connection from CN-16A to CN-16B and then control the engine speed by rotating accel dial switch.
- ※ **Never connect connector CN-16 with CN-16B when MCU is in normal operation.**

## 9) SERVICE METER



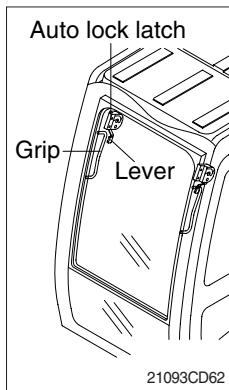
- (1) This meter shows the total operation hours of the machine.
- (2) Always ensure the operating condition of the meter during the machine operation. Inspect and service the machine based on hours as indicated in chapter 6, maintenance.

## 10) RS232 & J1939 SERVICE SOCKET

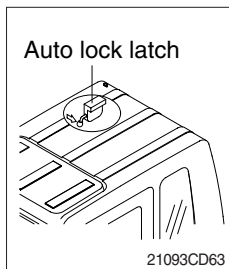


- (1) MCU communicates the machine data with Laptop computer through RS232 service socket.
- (2) ECM communicates the engine data with cummins INSITE adapter through J1939 service socket.
  - ① ECM fault code check
  - ② ECM program change
  - ③ Engine data monitoring & test

## 11) UPPER WINDSHIELD



- (1) Perform the following procedure in order to open the upper windshield.
- ① Pull both levers with hold both grips that are located at the top of the windshield frame and push the windshield upward.
  - ② Hold both grips and back into the lock position until auto lock latch is engaged, then release the lever locked position.



- (2) Perform the following procedure in order to close the upper windshield.
- ① Pull the lever of the auto lock latch in order to release the auto lock latch.
  - ② Reverse above step ① and ② in order to close the upper windshield.