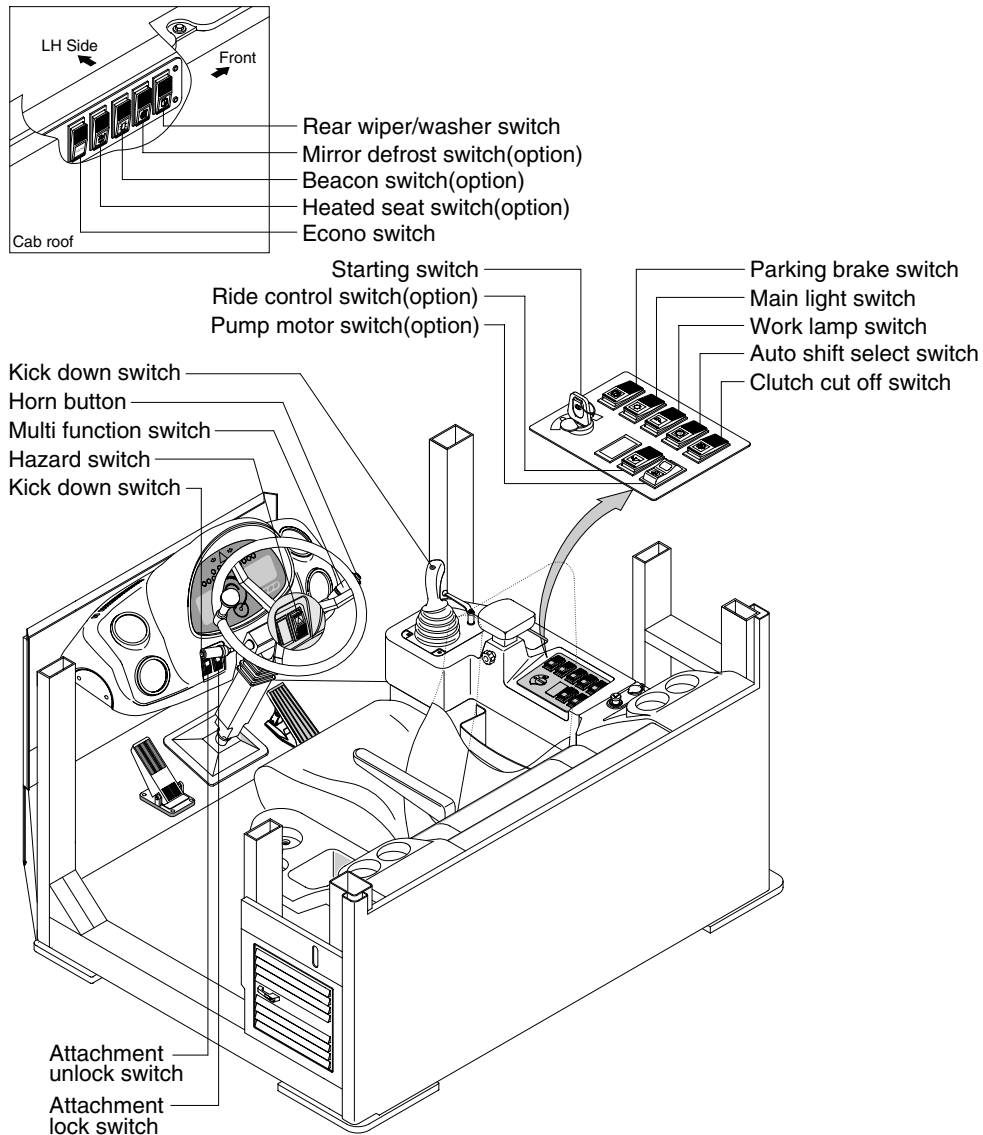
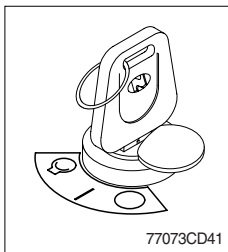


### 3. SWITCHES



7577A3CD29

#### 1) STARTING SWITCH



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

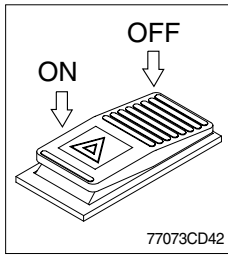
- ○ (OFF) : None of electrical circuits activate.
- | (ON) : All the systems of machine operate.
- Ⓚ (START) : Use when starting the engine.

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.

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

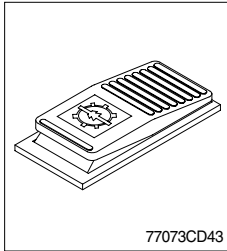
## 2) HAZARD SWITCH



(1) Use for parking, or roading machine.

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

## 3) CLUTCH CUT OFF SWITCH



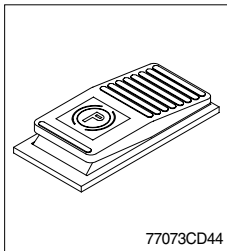
(1) This switch is pressed, it will cut off the clutch when brake operates.

- ※ **Be careful not to use this switch when driving on a slope.**

(2) When the switch failure occurs, it will be able to operate a clutch off function from LCD.

- ※ **Refer to page 3-9.**

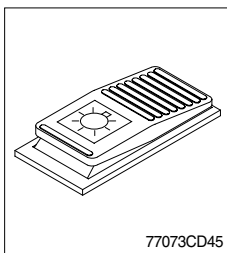
## 4) PARKING BRAKE SWITCH



(1) This switch is pressed, the parking brake will start to operate and the gauge panel warning lamp will come ON.

- ※ **When operating the gear selector lever, be sure to release the parking brake. If the machine is operated with the parking brake engaged, the brake will overheat and may cause the brake system to go out of order.**

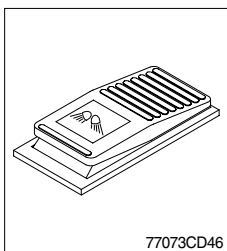
## 5) MAIN LIGHT SWITCH



(1) This switch is used to operate the clearance lamp and head light by two steps.

- **First step** : Clearance lamp and cluster illumination lamp come ON. Also, all indicator lamps of switches come ON.
- **Second step** : Head light comes ON.

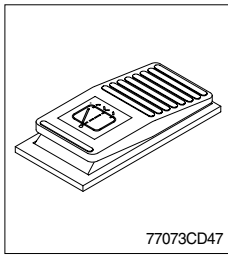
## 6) WORK LAMP SWITCH



(1) This switch is used to operate the front and rear work lamps by two steps.

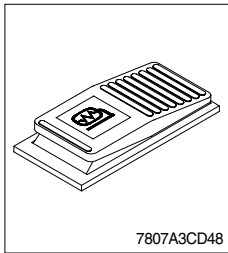
- **First step** : Front work lamp located on the cab comes ON.
- **Second step** : Rear work lamp located on the cowl comes ON.

## 7) REAR WIPER AND WASHER SWITCH



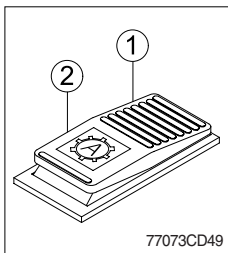
- (1) The switch use to operates the rear wiper and washer by two step.
- **First step** : The rear wiper operates.
  - **Second step** : The washer liquid is sprayed and the rear wiper is operated only while pressing. If release the switch, return to the first step position.

## 8) MIRROR DEFROST SWITCH(Option)



- (1) If the mirror defrost switch is pressed in condition of key ON, it operates for 15 minutes. After 15 minutes, the defrost function stops automatically.
- (2) One more pressing the switch in operation also stops defrost function.

## 9) AUTO SHIFT SELECT SWITCH



### (1) Manual mode(①)

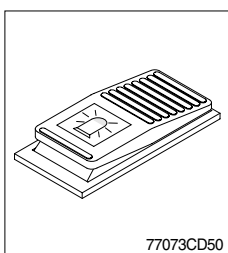
Press the top of the switch for the manual mode of the autoshift function. The operator selects the desired speed and the desired direction in the manual mode with the gear selector lever.

### (2) Automatic mode(②)

Press the bottom of the switch for the autoshift function in the automatic mode. Press the bottom of the switch prior to shifting the transmission into forward or reverse in order to activate the autoshift function.

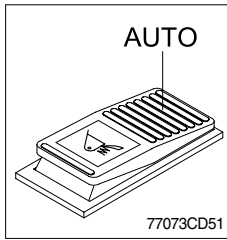
- ※ Highest gear is controlled by the position of the gear selector lever.
- ※ The operator can select two kinds of automatic modes.  
(1st ↔ 4th, 2nd ↔ 4th)
- ※ When the switch failure occurs, it will be able to operate a auto select function from LCD.
- ※ Refer to page 3-9.

## 10) BEACON SWITCH (Option)



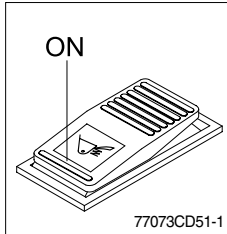
- (1) This switch turns ON the rotary light on the cab.

## 11) RIDE CONTROL SWITCH (Option)



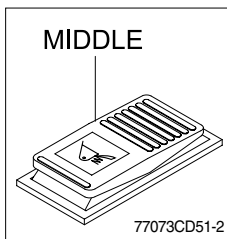
### (1) AUTO position

Push in the top of the ride control switch in order to turn on the automatic ride control. The automatic ride control automatically turns on when the travel speed exceeds a preset speed of approximately 9.5km/h. The automatic ride control automatically shuts off during low speed travel (Below 8km/h).



### (2) ON position

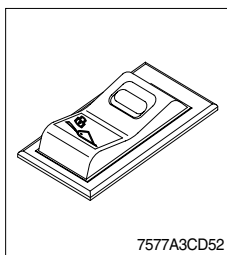
Push in the bottom of the ride control switch in order to turn on the system for ride control regardless speed. The ride control will smooth the ride of the machine during travel.



### (3) MIDDLE position

Push the ride control switch to the middle position in order to turn off the system for the ride control.

## 12) ATTACHMENT LOCK SWITCH (Option)



(1) This switch is used to engage the quick coupler pins.

(2) If this switch is pressed for 5 seconds, the quick coupler pins move in the engaged position.

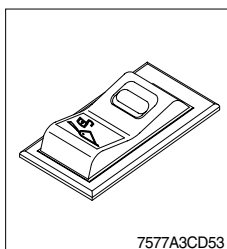
If the switch is released, the quick coupler pins will remain in the engaged position.

### ※ Check for engagement as follows.

① Put down pressure on the attachment.

② Back up the machine and make sure that there is no movement between the quick coupler and attachment.

## 13) ATTACHMENT UNLOCK SWITCH (Option)

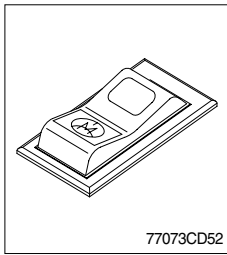


(1) This switch is used to disengage the quick coupler pins.

(2) If this switch is pressed for 5 seconds, the quick coupler pins move in the disengaged position.

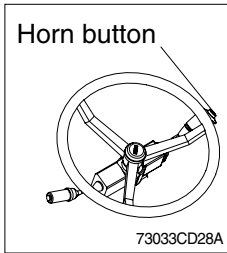
If the switch is released, the quick coupler pins will remain in the disengaged position.

#### 14) PUMP MOTOR SWITCH (option)



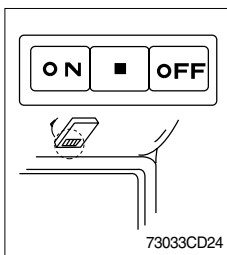
- (1) The emergency steering system can be manually tested. Push the pump motor switch in order to determine if the emergency steering and the emergency steering lamp are functional.
- (2) When the switch is pushed, the emergency steering pump motor will run. The emergency steering lamp will light. If the emergency steering lamp does not light, do not operate the machine.

#### 15) HORN BUTTON



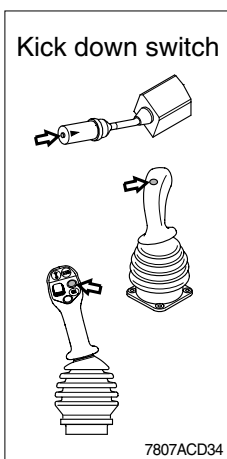
- (1) If you press the button on the top of the multifunction switch, the horn will sound.

#### 16) CAB LAMP SWITCH



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

#### 17) KICK DOWN SWITCH



##### (1) Manual mode

It is effective 2nd speed to 1st speed only and recover to 2nd speed quickly when push the switch one more time.

##### (2) Automatic mode

###### ① Mode 1(Down/Up)

It shifts down quickly from current gear to one step lower speed by pushing the switch and recover to current speed quickly when push the switch one more time.

###### ② Mode 2(Down)

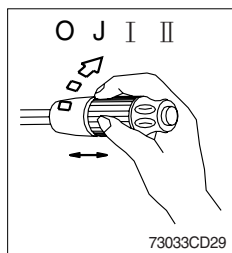
It shifts down from current gear to one step lower speed when push the switch every time.

The kick down function is released in only 1st speed.

※ Refer to page 3-9.

※ The normal autoshift function continues after the kick down switch is released.

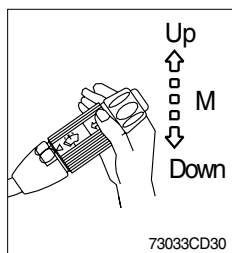
## 18) MULTI FUNCTION SWITCH



### (1) Front wiper and washer switch

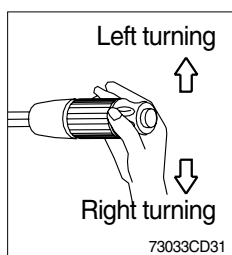
- ① When the switch is in J position, the wiper moves intermittently.
- ② When placed in I or II position, the wiper moves continuously.
- ③ If you push the grip of the lever, washer liquid will be sprayed and the wiper will be activated 2-3 times.

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



### (2) Dimmer switch

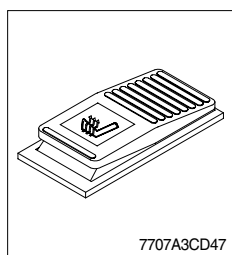
- ① This switch is used to turn the head lights direction.
- ② Switch positions
  - Up : To flash for passing
  - Middle : Head lights low beam ON
  - Down : Head lights high beam ON
- ③ If you release the switch when it's in up position, the switch will return to middle.



### (3) Turning switch

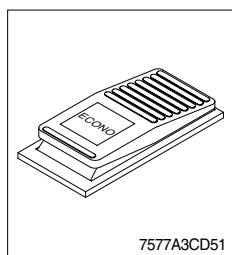
- ① This switch is used to warn or signal the turning direction of the machine to other vehicles or equipment.
- ② Push the lever up for turning left, pull the lever down for turning right.

## 19) HEATED SEAT SWITCH(Option)



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

## 20) ECONO SWITCH



- (1) This switch can adjust the machine's engine performance to match the condition requirements.
- (2) Push in the bottom of the switch in order to turn on the ECO-mode.
  - ECO-mode : This mode provides maximum fuel efficiency for general loading.
- (3) Push in the top of the switch in order to turn on the normal mode.
  - Normal mode : This mode provides maximum power output for hand digging operation or hill climb.