

SECTION 7

EQUIPMENT

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Engine Immobiliser System

The engine immobiliser system is anti-theft equipment that inhibits the engine's fuel injection and disables starting if someone tries to start the engine with an ignition key other than that which is registered for the car.

The engine immobiliser system comprises an ignition key, key ring aerial, immobiliser ECU and engine ECU. It has the following functions:

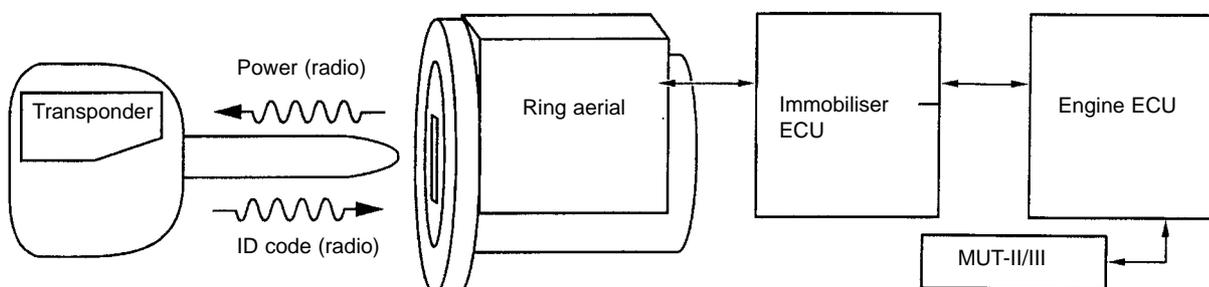
- (1) When the ignition key is switched on, a transponder (miniature transmitter) that is built into the ignition key radios to the ring aerial an ID code that is unique to the ignition key.
- (2) The immobiliser ECU for the ID code that has been sent is compared with the previously registered ID code and will control the engine ECU only if it matches.
- (3) It is maintenance-free because the power of the transponder is supplied by the immobiliser ECU. Two ignition keys are provided, and up to eight keys can be registered to the car if required. At least 1 trillion combinations can be registered to the ID code, and this can be changed partially whenever the ignition key is switched on. This improves security and prevents theft resulting from replication.

Note

When the immobiliser ECU is changed or when an ignition key is replaced or a new one purchased, the ID code of each key needs to be re-registered using MUT-II/III as follows.

- All keys need to be re-registered if the immobiliser ECU is lost.
- If an ignition key is lost, all the keys other than the lost key need to be re-registered in order to eliminate the registration of the lost key.
- If a key is added, it is necessary to re-register all keys that are to be used for the car including the additional key.

Construction Diagram



Exterior lights

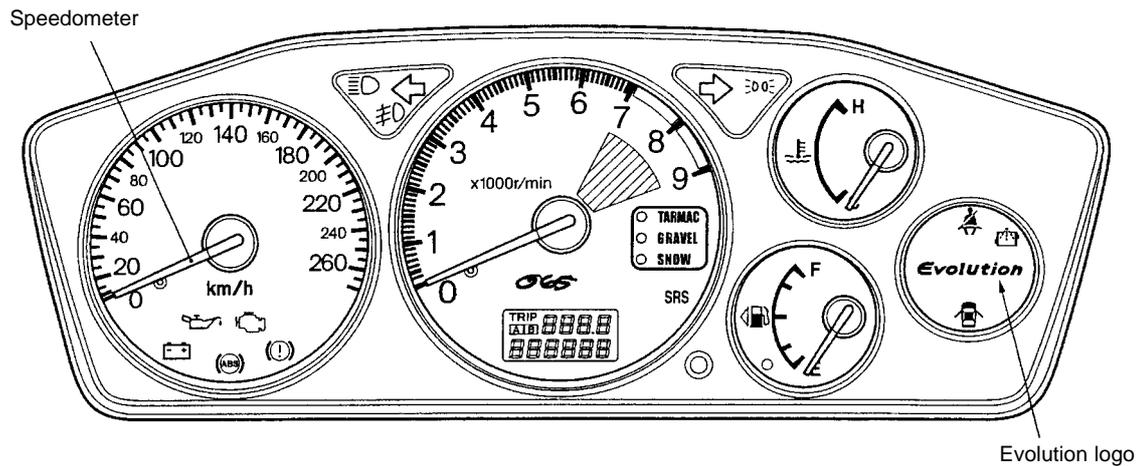
- The appearance of the headlights has been improved by darkening the entire inside of the light except for the reflector.
- The appearance of the rear combination lights has been improved by making the outer lenses clear (the colour of the turn signal light is amber) and by darkening the entire inside of the light except for the reflector.

Combination Meter

The combination meter has been changed as follows.

- The maximum scale of the speedometer is now 270k.p.h.. The tachometer operates at about 180k.p.h. in the same way as the original.
- The Evolution logo has been adopted.

Construction Diagram



Smart Wiring System (SWS)

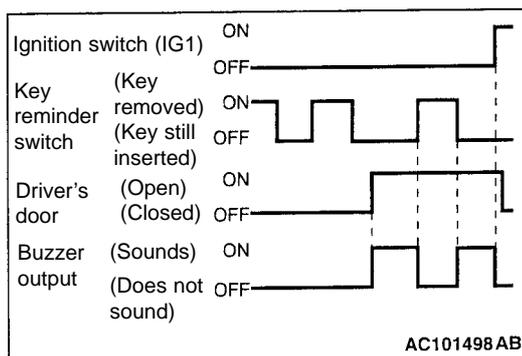
General Information

The SWS version has changed (changed from the original Ver. 0 to Ver. 3)

Functions and controls of SWS ECUs

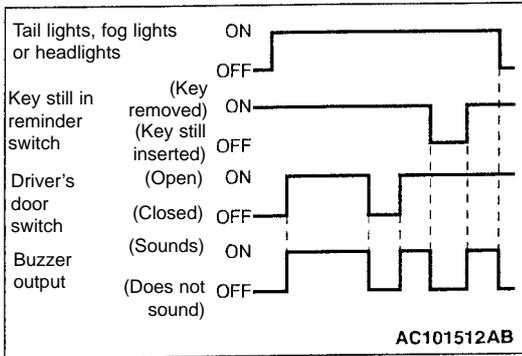
The following functions are controlled by the SWS ECUs

No.	Function	Control ECU
1	Ignition key still inserted reminder function	ETACS-ECU, column switch
2	Light still ON reminder function	ETACS-ECU
3	Door not properly closed reminder function	ETACS-ECU, column switch
4	Turn signal light operation sound function	ETACS-ECU
5	Multi centre display operation sound function	ETACS-ECU, multi centre display
6	Central door lock control function	ETACS-ECU
7	Multi mode keyless entry function	ETACS-ECU, electric window main switch, sunroof motor assembly
8	Keyless entry hazard feedback function	ETACS-ECU
9	Electric window timer function	ETACS-ECU, electric window main switch
10	Sunroof timer function	ETACS-ECU, sunroof motor assembly
11	Windscreen wiper and washer control function	ETACS-ECU, front ECU, column switch
12	Rear wiper and washer control function	ETACS-ECU, column switch
13	Electric retractable door mirror control function	ETACS-ECU
14	Ignition key cylinder illumination light control function	ETACS-ECU
15	Headlight auto-cut control function	ETACS-ECU, front ECU, column switch
16	Fog light control function	ETACS-ECU, front ECU, column switch
17	Flasher timer control function	ETACS-ECU, column switch
18	Dimmer type interior light function	ETACS-ECU
19	Interior light auto-cut function	ETACS-ECU
20	Security alarm function	ETACS-ECU
21	Adjustment function	ETACS-ECU, column switch, electric window main switch, sunroof motor assembly



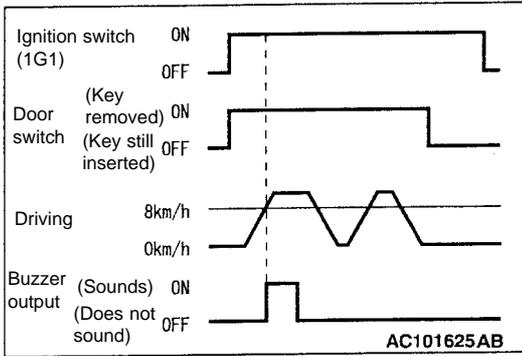
Ignition key still inserted reminder function

If the driver's door is opened when the ignition key is still in the ignition key cylinder (Ignition switch OFF), the buzzer will sound intermittently to warn that the ignition key is still inserted.



Light still ON reminder function

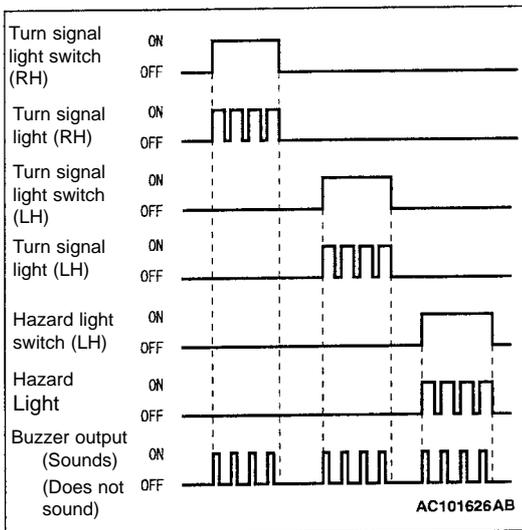
If the ignition key is still in when the driver's door is opened and a tail light, fog light or headlight is ON, a buzzer will sound continuously to warn that a light is on. However, the buzzer will not sound if the tail light, fog light or headlight is turned off by the auto-cut function



Door not properly closed reminder function (Initial setting: Function ON)

If the speed exceeds 8 k.p.h. when the door is not properly closed, the "door not properly closed reminder function" light will flash four times and a buzzer will sound four times to warn the driver that the door is not properly closed.

Note
The "door not properly closed reminder function" ON/OFF can be adjusted by the adjustment function. (Refer to Page 7-17)



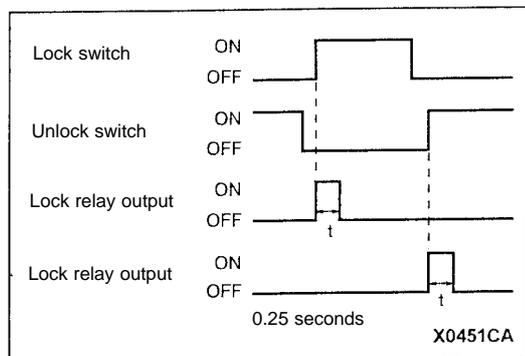
Turn signal light operation sound function

The ETACS-ECU buzzer sounds in synchronization with the flashing of the turn signal light and hazard light.

Note
The turn signal light operation noise function ON/OFF can be adjusted by the adjustment function.

Multi centre display operation noise function

A buzzer sounds when there is a signal from the multi centre display.



Central door lock control function

When the driver's door is locked (the lock switch is turned ON after the unlock switch in the driver's door actuator is turned OFF), the ETACS-ECU will activate the lock relay output for 0.25 seconds and lock all the doors. Next, when the driver's door is unlocked (after the unlock switch in the driver's door actuator is turned ON, the lock switch is turned OFF), the ETACS-ECU will activate the lock relay output for 0.25 seconds and unlock all the doors.

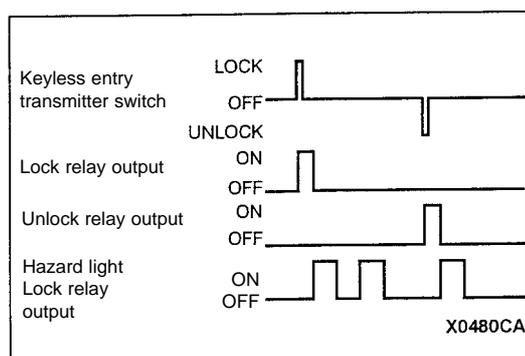
Multi mode keyless entry function (Initial Setting: Close activation only ON)

Locking, unlocking, electric windows, sunroof and door mirror can all be operated by a keyless entry transmitter.

Please refer to the May 2005 New Model Instruction Manual (No. 1036K00) regarding activation.

Note

Electric window and sunroof activation ON or OFF can be adjusted by the adjustment function. (Refer to Page 7-17)



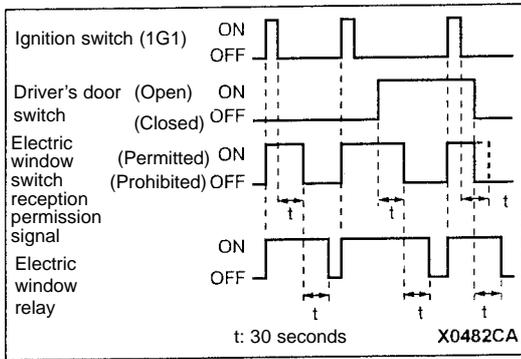
Keyless entry hazard feedback function (Initial setting: Both the lock and unlock functions ON)

A hazard feedback function has been installed to enable easy confirmation of lock and unlock activation even in the daytime. When the lock signal is entered from the keyless entry transmitter to the ETACS-ECU,

all doors will be locked and the hazard light will reduce by 2, and when the unlock signal is entered, all doors will be unlocked and the hazard light will reduce by 1.

Note

This function can be disabled by the adjustment function. (Refer to Page 7-17)

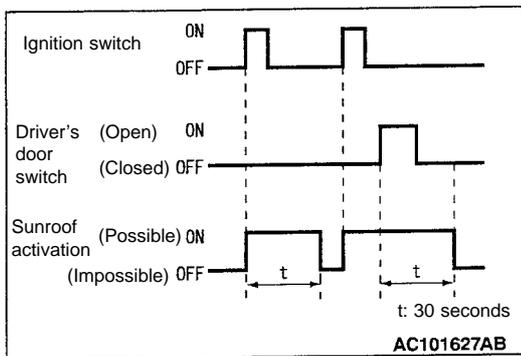


Electric window timer function (Initial Setting: 30 seconds)

When the ignition switch is turned to the ON position, the ETACS-ECU will turn on the electric window relay and electric window switch reception permission signal (SWS signal sent from the ETACS-ECU). The electric window switch reception permission signal will remain on for about 30 seconds even after the ignition switch is turned off, and the door window can be opened and closed by the electric window switch. The electric window will go off about 30 seconds after the reception permission signal goes off. If the driver's door is opened while the timer is in operation, the reception permission signal will be turned on for about 30 seconds. However, the reception permission signal will be turned off if the driver's door is closed. The electric window relay will go off about 30 seconds after the reception permission signal goes off.

Note

The electric window timer activation time can be adjusted by the adjustment function. (Refer to Page 7-17)

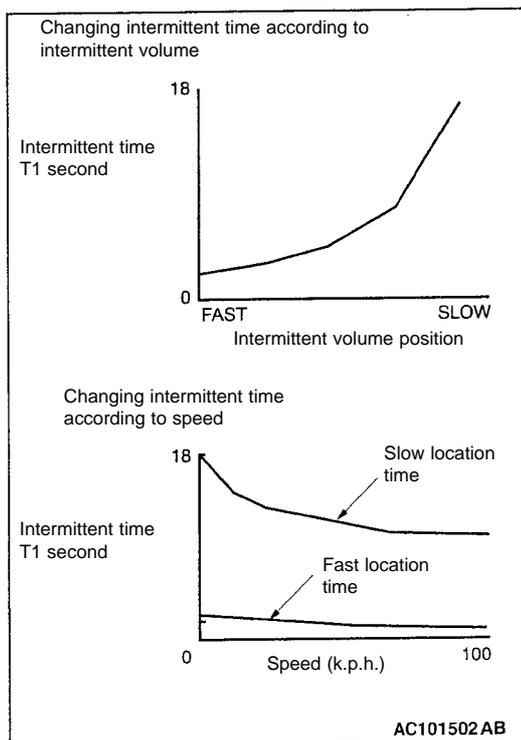


Sunroof timer function (Initial Setting: 30 seconds)

The sunroof can be moved by the sunroof switch for about 30 seconds after switching off the ignition switch.

Please refer to the sunroof section in Group 4 for activation.

The sunroof timer activation time can be adjusted by the adjustment function. (Refer to Page 7-17)



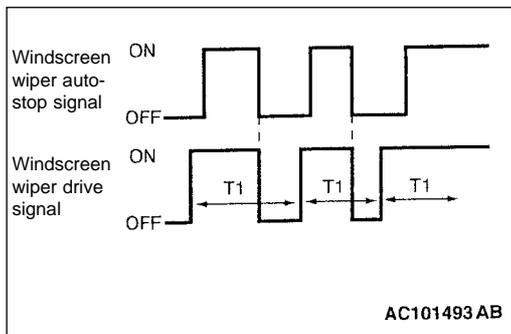
Windscreen wiper and washer control function

- Intermittent control (variable speed response) (Initial setting: Function ON)

1. The ETACS-ECU calculates the intermittent time T1 from the speed that is calculated from the windscreen intermittent wiper volume of the column switch and the speed signal (engine CVT-ECU), and sends it to the front ECU as SWS data.

Note

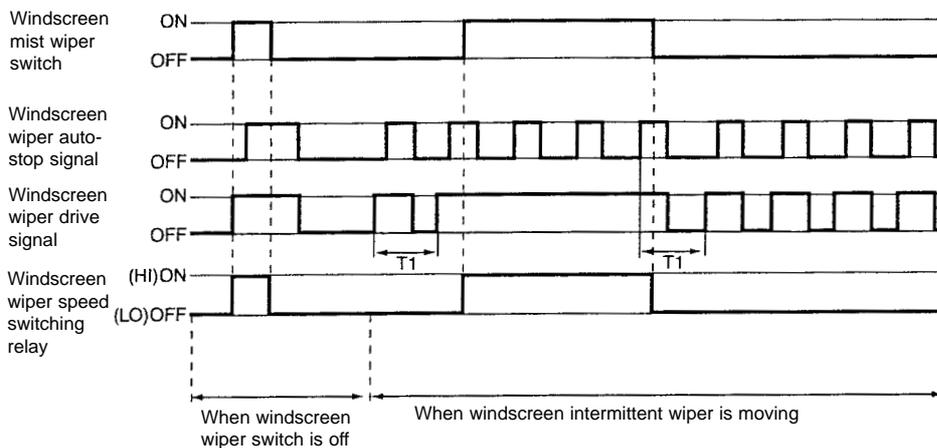
The speed response function can be disabled by the adjustment function. (Refer to Page 7-17)



2. The front ECU decides the intermittent time T1 according to the incoming SWS data signal, and turns on the wipers drive signal. The wipers stop signal will go off when the wiper is in the stop position, and the wipers drive signal will be turned off. After intermittent time T1 seconds have elapsed from when the wipers drive signal is turned on, the wipers drive signal will be turned on again and the above operation repeated.

• Mist wiper control

If the wipers mist wiper switch of the column switch is turned on when the ignition switch is in the ACC or ON position, the front ECU will turn on the wipers drive signal. The wiper speed switching relay will be turned on (HI) at the same time and the wipers will move at a higher speed while the wipers mist wiper switch is on. If the wipers wiper has been moving intermittently up to the point when the wipers mist switch is turned on, it will move in the same way as described above while the wipers mist wiper switch is on. After the wipers mist wiper switch goes off, it will switch again to intermittent movement T1 seconds after the wipers auto-stop signal was last turned on.

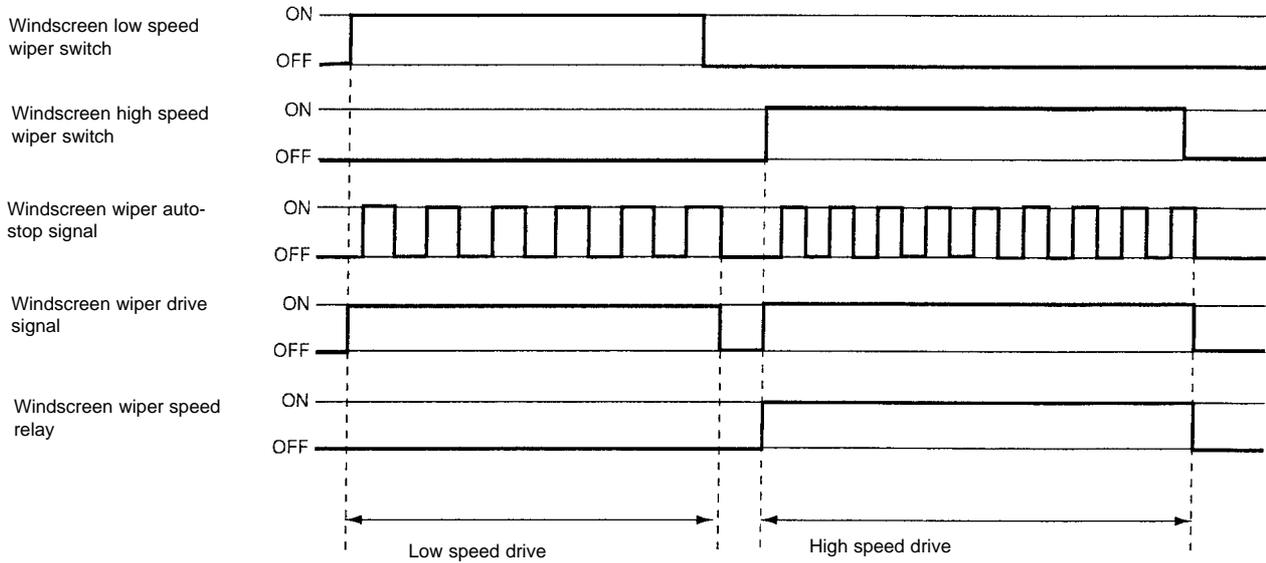


T1: The intermittent wiper intermittent time

• Low speed wiper, high speed wiper control

If the windscreen low speed wiper switch of the column switch is turned on when the ignition switch is in the ACC or ON position, the front ECU will turn on the windscreen wiper drive signal, turn off (LO) the windscreen wiper speed relay, and move the windscreen wiper at low speed.

Next, when the windscreen high speed wiper switch is turned on, the windscreen wiper drive signal will be turned on, the windscreen wiper speed relay will be turned on (HI), and the windscreen wiper will be moved at low speed.

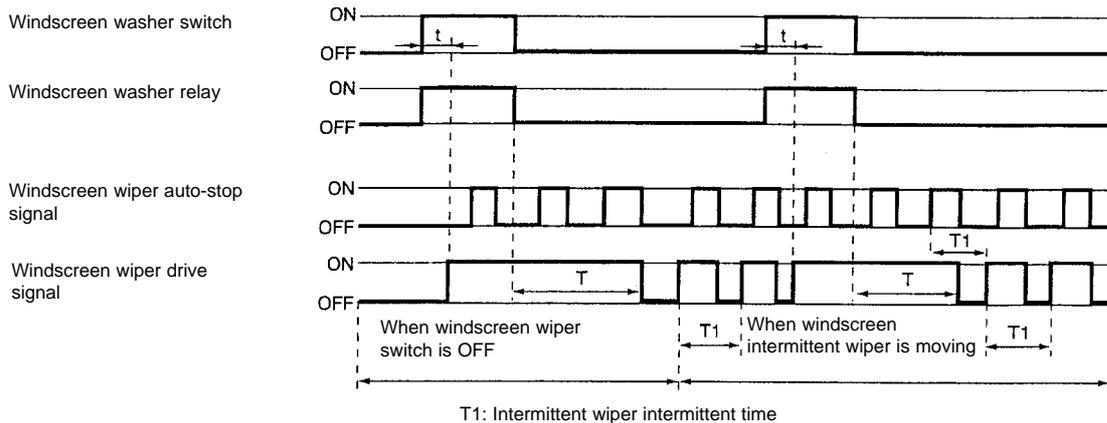


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• Washer switch

If the windscreen washer switch of the column switch is turned on when the ignition switch is in the ACC or ON position, the front ECU will turn on the windscreen washer relay. 0.3 seconds later, the windscreen wiper drive signal will be turned on (the wiper drive signal output time varies according to conditions. Please refer to the following table for details) until 3 seconds after the windscreen washer switch goes off, and will move the windscreen wiper continuously.

If the windscreen wiper is moving intermittently when the windscreen washer switch is turned on, intermittent movement will be continued after continuous movement has finished.



T1: Intermittent wiper intermittent time

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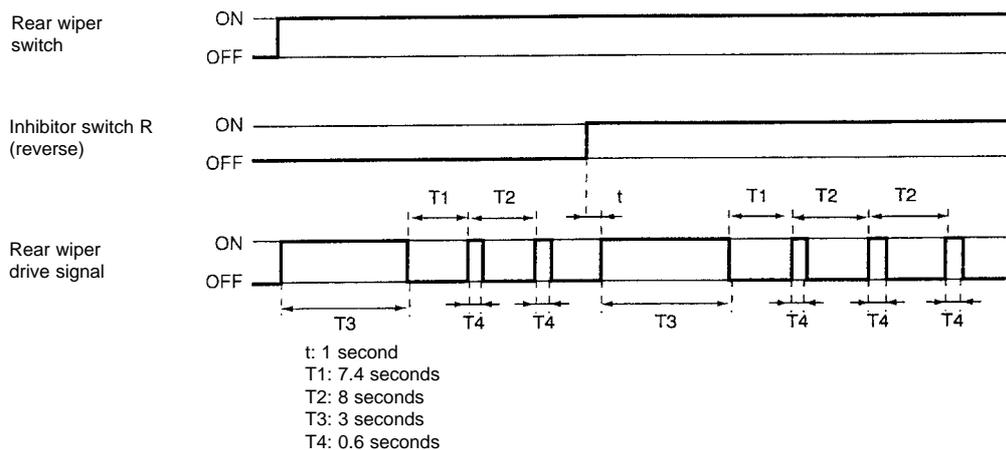
	When wiper switch is OFF				When wiper switch is INT				When wiper switch is LO or HI
t	Up to 0.3 sec.	0.3 to 0.5 sec.	0.5 to 0.7 sec.	0.7 sec. or more	Up to 0.2 sec.	0.3 to 0.5 sec.	0.5 to 0.7 sec.	0.7 sec. or more	-
T	0 sec.	1 sec.	2 sec.	3 sec.	0 sec.	1 sec.	2 sec.	3 sec.	3 sec.

Rear wiper and washer control function (Initial Setting: 8 seconds; continuous movement OFF)

1. If the rear wiper switch of the column switch is turned on when the ignition switch is in the ACC or ON position, the ETACS-ECU will carry out intermittent movement in 8 second cycles from 7.4 seconds after the rear wiper drive signal has been on for 3 seconds (moves approximately twice).
If the selector bar is in the R (reverse) position when the rear wiper is moving, the inhibitor switch R will go on and, 1 second later, the ETACS-ECU will turn on the rear wiper drive signal for 3 seconds (moves approximately twice) and, 7.4 seconds after enhancing the rear visibility, there will be a return to intermittent movement in 8 second cycles.
2. By special switch operation (twice continuous control), the rear wiper can be moved continuously regardless of the intermittent time that has been set.

Note

The rear wiper intermittent time can be adjusted by the adjustment function. (Refer to Page 7-17)

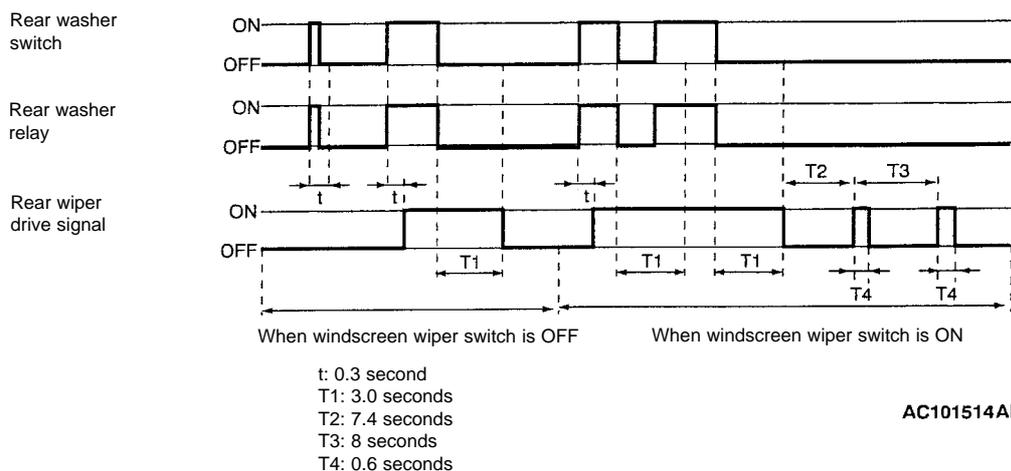


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Washer control

The ETACS-ECU will turn on the rear washer relay if the rear washer switch of the column switch is turned on when the ignition switch is in the ACC or ON position. 0.3 seconds later, the rear wiper drive signal will be turned on until 3 seconds after the rear washer switch goes off, and the rear wiper will be moved.

If the rear wiper is moving when the rear washer switch is turned on, continuous intermittent movement in 8 second cycles will continue after 7.4 seconds from the time the rear wiper drive signal goes off.



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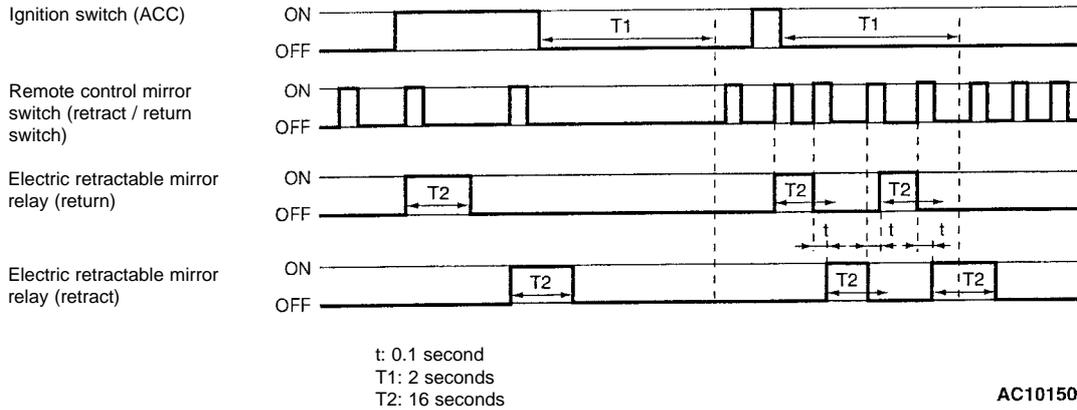
Electric retractable door mirror control function

• Electric retractable mirror timer function

If the retract / return switch of the electric remote control switch is turned on when the ignition switch is in the ACC or ON position, the electric retractable mirror relay (retract or return) will be on for 16 seconds, and retract or return will be operated. They will continue to be operable for about 10 seconds even after the ignition switch is OFF. If the retract / return switch of the electric remote control switch in the retract or return drive goes on, there will be a delay of about 0.1 second, and then the opposite relay will be turned ON.

Note

When carrying out manual retraction, in order to decide whether the door mirror is in the retract or return position by remembering the relay that made the previous ON, sometimes it will not operate even if the next retract or return switch is pressed.



• Automatic return function (Initial Setting: speed response expansion)

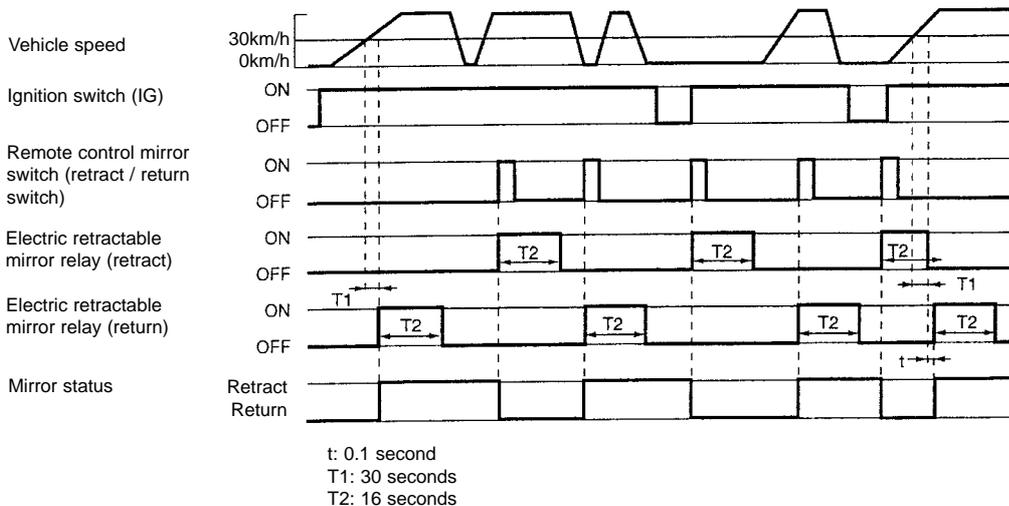
Note

There is no automatic return when carrying out manual retraction in order to decide whether the door mirror is in the retract or return position by remembering the relay that made the previous ON.

1. Speed response expansion

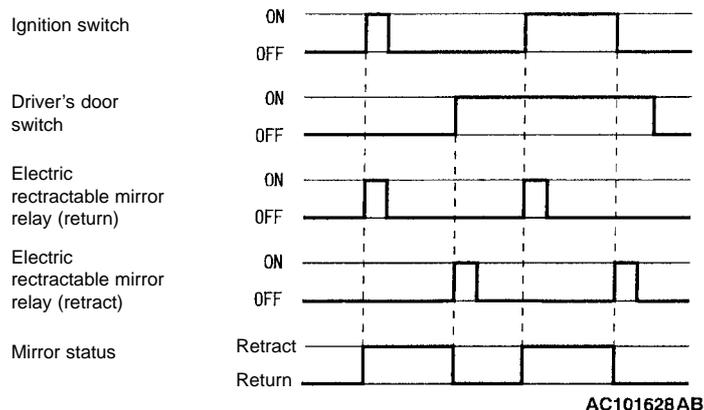
If the ignition switch is on and the mirror is in retract condition when the vehicle speed reaches 30 k.p.h. (for at least 2 seconds continuously), ETACS-ECU turns on the retractable mirror relay (return) for 16 seconds and the door mirror is returned. However, there is no automatic return if the retract / return switch of the remote control mirror switch is operated after turning the ignition switch from OFF to ON.

Even during mirror retraction operation, when the vehicle speed exceeds 30 k.p.h. (for least 2 seconds continuously), it will be delayed by 0.1 second as with the electric retractable mirror timer function and the retractable mirror relay (return) will be turned on.



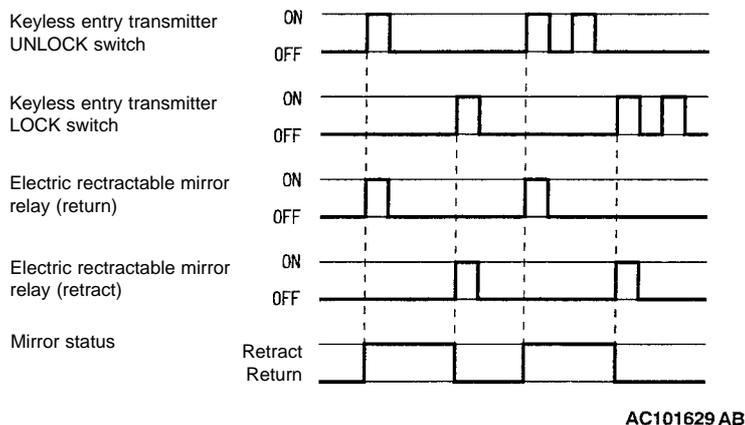
2. Ignition synchronized retract and return function

It returns by switching on the ignition switch, and retracts when the ignition switch is in the OFF (LOCK) position and the driver's door is opened.



3. Keyless entry synchronized retract and return function

It retracts by synchronous LOCK operation of the keyless entry transmitter and returns by synchronous UNLOCK operation of the keyless entry transmitter.



Note

Functions 1 to 3 can be selected or cancelled by the adjustment function. (Refer to Page 7-17)

Ignition key cylinder illumination light control function

The ignition key cylinder illumination light stays on when the ignition switch is off and the driver's door is open or for 30 seconds after the door is closed. It also stays on for 30 seconds after removing the ignition switch. In all cases, the light is turned off when the ignition switch is turned on.



Headlight auto-cut function (Initial setting: Function ON (no auto-cut when the ignition switch is in the LOCK (OFF) position and the tail lights have been put on))

If the lighting switch (tail light switch or the headlight switch) is on, the headlights (including the tail light etc.) will automatically go off in the following conditions to prevent the battery from discharging.

1. The lighting switch will automatically be turned off if the ignition key is turned from ON to OFF with the lighting switch turned ON, and this condition will continue for 3 minutes. If the driver's door is opened during these 3 minutes, the light will go off after 1 second. (The light still on reminder warning buzzer will sound during the one second until the light goes off. However, if the driver's door is opened with the ignition key inserted, the key inserted reminder warning buzzer will sound first.).
2. The headlights will go off automatically after 3 seconds if the headlight switch is turned ON with the ignition switch and lighting switch OFF.
3. The tail lights will not go off automatically if the tail light switch is turned ON with the ignition switch and lighting switch OFF.

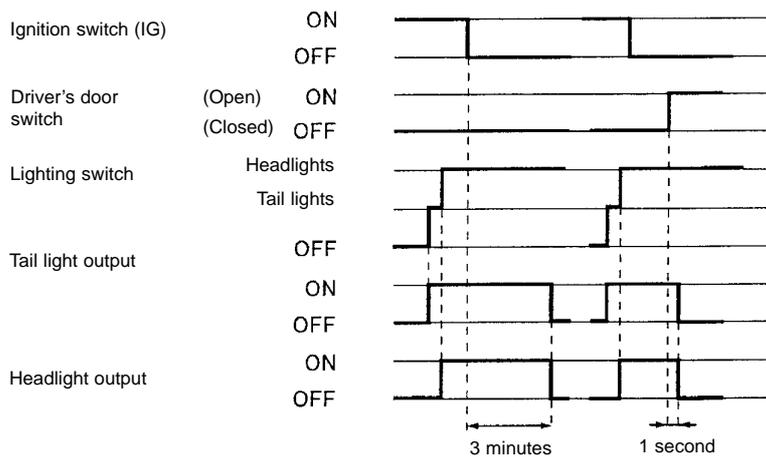
Note

They can be set to go off automatically by the adjustment function. (Refer to Page 7-17)

After this function has been activated, the headlights are turned on again by turning ON the lighting switch after it has been turned OFF once or by turning ON the ignition switch. They will be turned off again when the conditions of (2) are fulfilled after turning on again.

Note

This function can be disabled by the adjustment function. (Refer to Page 7-19)

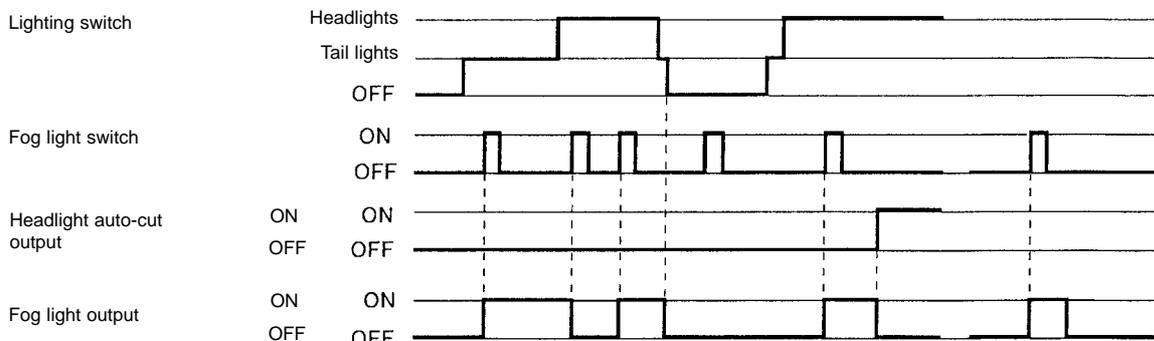


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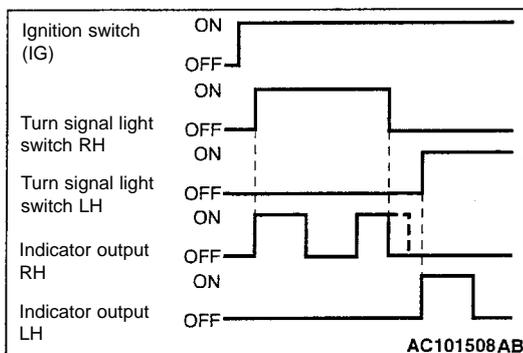
Fog light function

By turning the fog light switch ON when the tail lights or headlights have been turned on (tail light switch or headlight switch ON), the fog light relay goes ON and the fog lights are turned on.

If the tail lights and headlights are turned off by turning OFF the lighting switch while the fog lights are on, the fog lights will also go off at the same time, preventing the fog lights being left on. Also, if the tail light is turned off by the auto-light function, the fog lights will go off at the same time. However, the fog lights will not go on again when the tail lights are turned on again.

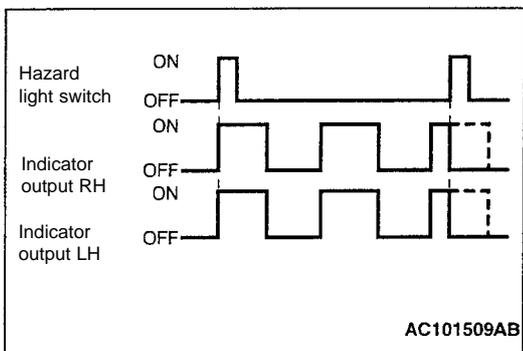


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Flasher timer function

• Indicator light
The indicator light output (flashing signal) is turned ON when the ignition switch is ON and the indicator light switch is ON (LH or RH). If either the front indicator light bulb or the rear indicator light bulb has burned out, the flashing speed increases in order to indicate that the bulb has burnt out.



• Hazard light
It checks the signal that changes hazard light input switch from OFF to ON, and reverses the flashing status according to this signal. (It makes the hazard light flash if is not flashing and switches it off if it is flashing.)

- Note
1. The hazard light switch is now a push return switch.
 2. The hazard light flashing speed will not change even if the bulb has burnt out.

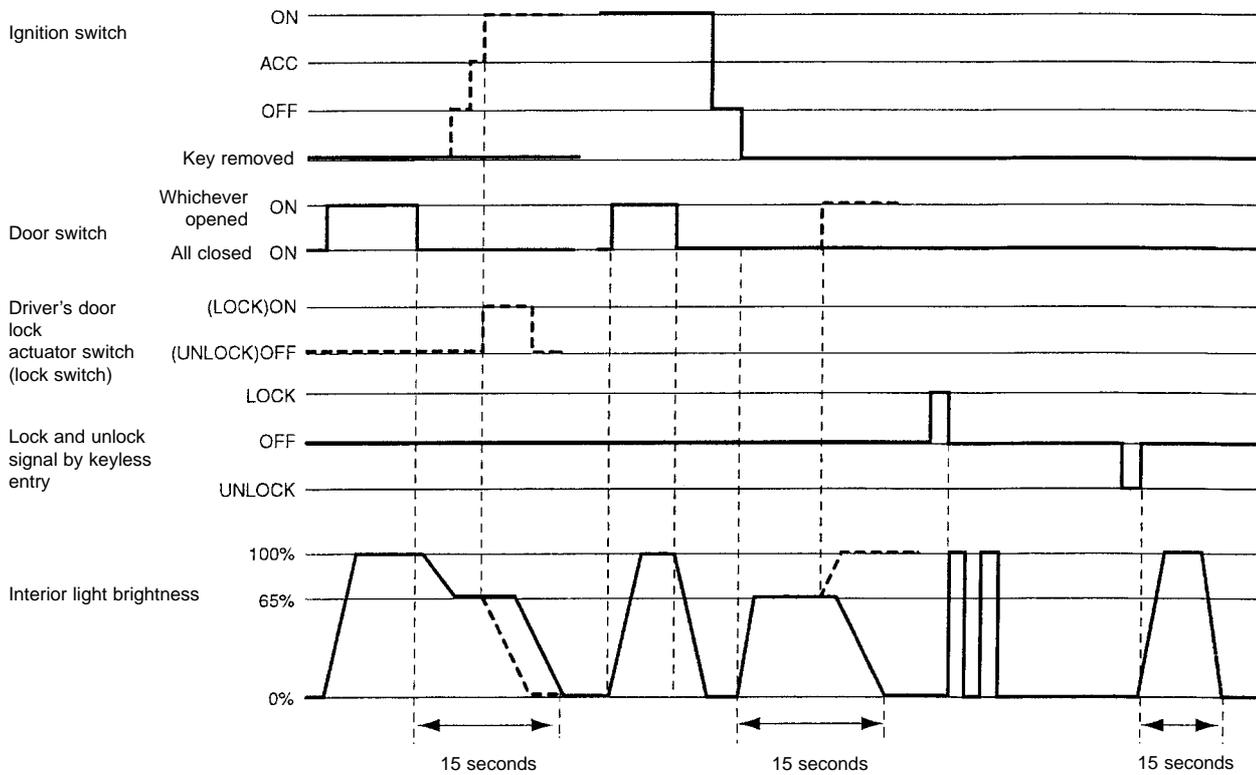
Dimmer type interior light function (Initial Setting: 15 seconds)

When the interior light switch is in the door position, the ETACS-ECU controls the turning on of the interior light as follows:

1. When a door is opened to get in or out of the vehicle (when the ignition switch is OFF), the light respectively goes on when opened (100%), dims when closed (75%) and goes off after 15 seconds.
However, if the ignition switch is turned on or if the door is locked while the timer is illuminated, the light will go off at that point.
2. When the ignition switch is ON, the light respectively goes on when opened (100%), and off when closed.
3. When the ignition key is removed with all doors closed
When the ignition key is removed with all doors closed, the light goes on (65%) and off after 15 seconds. The light goes off when the door is locked or when the ignition key is inserted again while the light is on.
4. Keyless entry interior light feedback
For easy confirmation of the keyless entry operation, the interior light flashes twice when the door is locked. It also goes off after being on for 15 seconds (100%) when the door is unlocked.

Note

The delay time until the interior light goes on can be adjusted by the adjustment function. (Refer to Page 7-17)



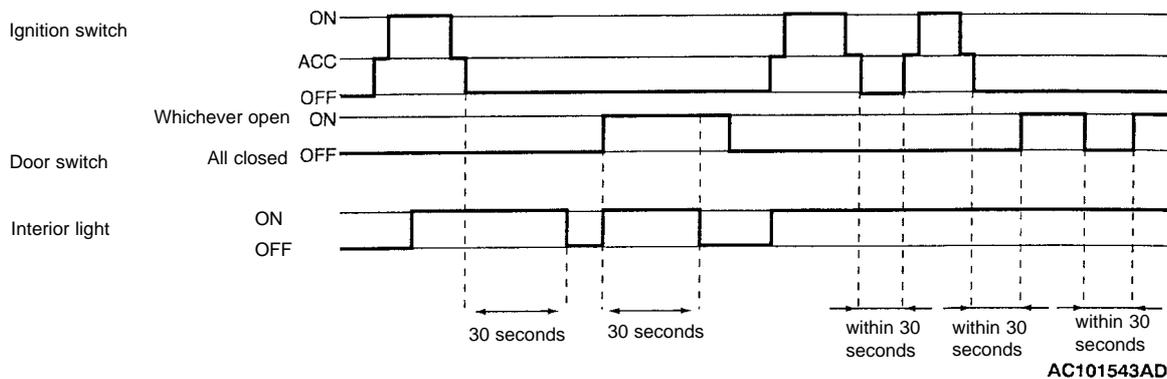
Interior light auto-cut function (Initial Setting: Automatic switch off - 15 seconds)

If they have been left on, interior lights (interior light, map light, luggage interior light and ignition key cylinder illumination light) that have interior light fuses, will turn off automatically in the following conditions, and battery leakage will be avoided.

- The interior light will go off automatically if it remains on 30 minutes after the ignition switch is turned off.
- The interior light will go off automatically if any door switch remains open continuously for 30 minutes.
- The interior light will revert to being switched on if, after being switched off automatically, the door is opened or closed, the key entry transmitter switch is used or if the ignition switch is put in the ACC position.

Note

1. The time up to when the interior light is turned on can be adjusted by the adjustment function. (Refer to Page 7-17)
2. Even after reverting, it will go off automatically 30 minutes after the interior light auto-cut conditions are fulfilled.

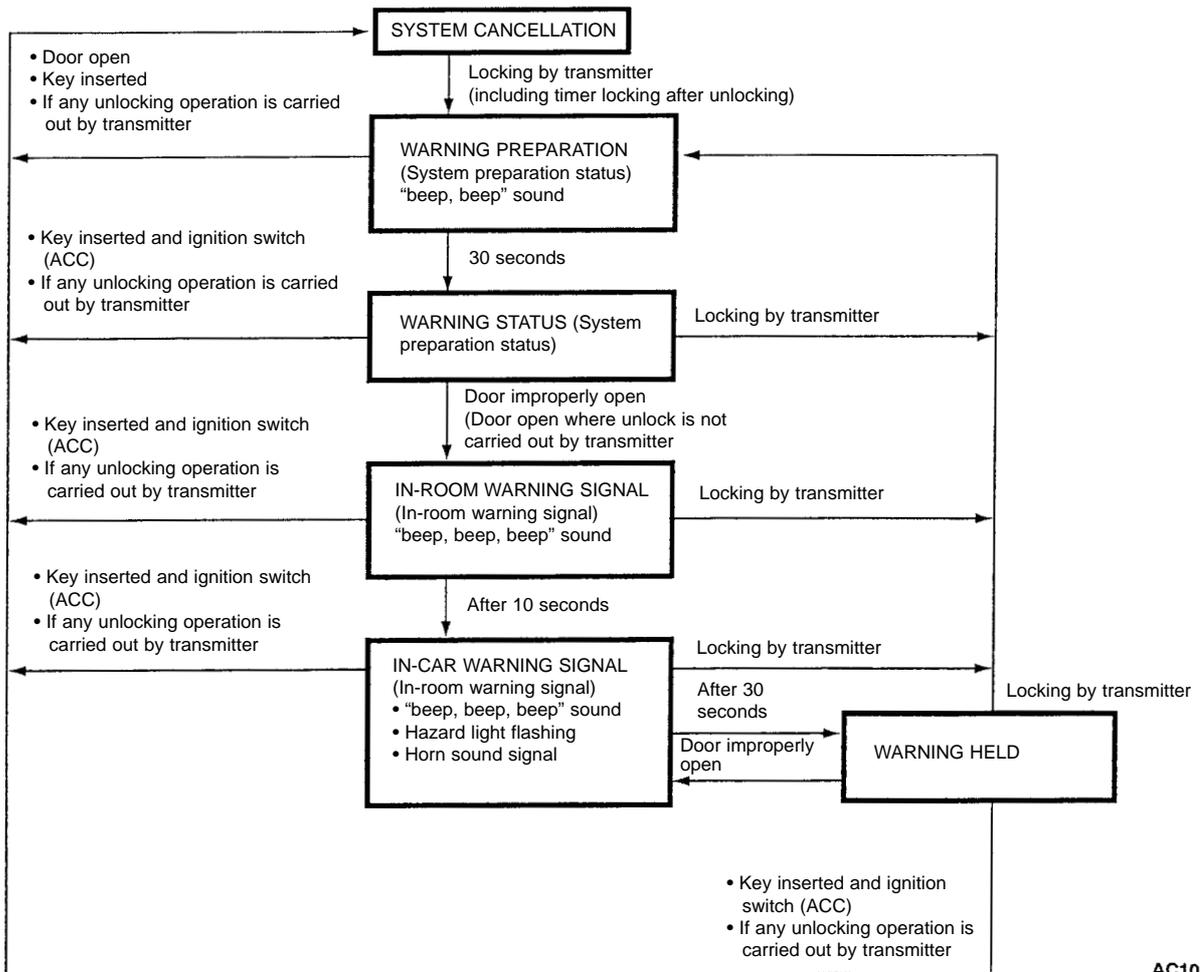


Security alarm function (Initial Setting: Function OFF)

When locking the door with the transmitter (but not when locking by key), a “beep, beep” sound is emitted as an initial warning. It changes to warning status after 20 seconds, and an interior warning signal is given by a “beep, beep, beep” sound if there is a warning status caused by a door being improperly open (or a door being unlocked by the transmitter or the tailgate or bonnet is open). After 10 seconds, the hazard lights flash and the horn sounds intermittently in addition to the “beep, beep, beep” sound.

Note

It is possible to adjust whether or not there is a security alarm function and warning output by the adjustment function. (Refer to Page 7-18)



Adjustment Functions (User Mode)

Security alarm function ON / OFF and warning signal output can be adjusted by the adjustment mode entry conditions according to each switch operation.

Information that is being adjusted will be remembered even if the battery is disconnected.

Adjustment mode entry conditions

1. Each switch sets the following conditions.
 - Driver's door switch: ON (Driver's door open)
 - Key reminder switch: ON (Ignition key removed)
 - Lighting switch: OFF
2. When the windscreen washer switch is turned ON continuously for 10 seconds or more (by pulling the wiper lever forward), the ETACS-ECU internal buzzer will sound once and the adjustment mode will be entered. While in this condition (wiper lever pulled forward), the settings can be changed when the transmitter unlock switch is pressed.

Security alarm function adjustment

1. The security alarm ON / OFF and the alarm time change in the following sequence. (after (c), return to (a) and repeat the sequence from (a))
 - Security alarm function OFF (initial condition): Buzzer sounds once
 - Security alarm function ON (warning signal: hazard and horn): Buzzer sounds 3 times
 - Security alarm function ON (warning signal: hazard only): Buzzer sounds 5 times

Adjustment mode entry cancellation conditions

1. The adjustment mode is cancelled when each of the following conditions has been met.
 - Driver's door switch: OFF (Driver's door open)
 - Key reminder switch: OFF (Ignition key removed)
 - Lighting switch: OFF
 - Windscreen washer switch: OFF
 - The keyless entry transmitter unlock switch is not pressed for 30 seconds

Note

1. Although wiper / washer switch and transmitter operations are carried out in adjustment mode entry conditions, the wiper / washer and keyless entry do not function.
2. These adjustment functions are also contained in the Instruction Manual so that users can carry out adjustment themselves.
3. Please set these functions by properly confirming the users' own requirements. As far as possible, please let the users set them themselves so that they understand the functions.

Security Alarm Sticker

1. A security alarm sticker is enclosed with the Instruction Manual.
2. Please explain to customers that they can personally attach the security alarm sticker to the rear quarter glass from outside the vehicle.
Please tell them not to attach it to places such as the windscreen and front door window where it will obstruct visibility.

Note

There is a danger of it becoming detached if it is attached to opening window.

Adjustment Functions (Supplier Mode)

The following functions can be adjusted by MUT-II / III. Information that is being adjusted will be remembered even if the battery is disconnected.

- Door not properly closed reminder function
When driving with a door still open, this function will give a warning signal that a door is not properly closed by sounding a buzzer and making the "door not properly closed reminder" light inside the combination meter flash.

- Turn signal light operation sound function
This function gives a buzzer sound signal in synchronization with a hazard light and turn signal light.
- Keyless entry hazard feedback function
This function can confirm whether a vehicle is locked or unlocked even when away from the vehicle by making a hazard light flash when locking or unlocking with the keyless entry transmitter.
- Multi mode keyless entry system electric window and sunroof function
This function activates the electric window and sunroof by operating the keyless entry transmitter even when away from the vehicle.
- Time lock time after keyless entry unlock
When a door does not open after unlocking by operating the keyless entry transmitter, this function locks the door automatically after a fixed time.
- Electric window and sunroof timer function time
This function enables operation of the electric window and sunroof timer for a fixed time even after the ignition switch has been turned to the OFF (LOCK) position.
- Electric window lock driver's seat operation
After pressing the electric window lock switch, which is inside the main electric window switch, this function enables operation of the electric windows other than the driver's seat electric window by electric window switch.
- Vehicle speed response wiper function
When the windscreen wiper switch is in the intermittent position, this function changes the intermittent time according to the vehicle speed with the intermittent adjusting knob
- Rear wiper intermittent time
The rear wiper switch functions intermittently when the rear wiper switch is turned ON. Also, this function makes the rear wiper operate continuously according to the continuous operation of the rear wiper switch.
- Electric retractable door mirror automatic return function
This function opens the door mirror automatically when driving with the door mirror retracted. It can also carry out retraction and return of the door mirror by other means.
- Headlight auto-cut function
This function turns the ignition switch into the OFF (LOCK) position when the lighting switch is in the TAIL, AUTO or HEAD position, and turns off the headlight automatically in order to avoid leaving the headlight on when opening the driver's door.
- Interior light delayed switch-off time
When the doors are closed and the ignition switch is in the OFF (LOCK) position, this function automatically switches off the interior lights after a fixed time.
- Interior light auto-cut function
When the ignition switch is in the OFF (LOCK) position, this function makes interior lights such as interior lights flash for a minimum fixed time, and automatically turns them off.
- It is possible to switch between security alarm function valid / invalid.
- Performance adjustment during electric window key-off timer
This function enables operation of electric windows other than the driver's seat electric window while the electric window timer is functioning.

ITEM NO.	ITEM MUT DISPLAY	ITEM	ADJUSTMENT CONTENT MUT DISPLAY	ADJUSTMENT CONTENT
2	HD AUTO-CUT	Headlight auto-cut adjustment	FUNCTION ON (A display)	Function ON: Goes ON automatically when the ignition switch is in the LOCK (OFF)
			FUNCTION ON (D display)	position and the tail light has been turned on Function ON: Goes OFF automatically when the ignition switch is in the LOCK (OFF) position and the tail light has been turned on (initial setting)
			FUNCTION OFF	Function OFF
4	VEHICLE SPEED RESPONSE WIPER	Vehicle speed response wiper function	FUNCTION ON	Function ON (initial setting)

5	DOOR MIRROR	Electric retractable door mirror automatic return function	FUNCTION OFF	Function OFF
			VEHICLE SPEED RESPONSE FUNCTION ON	Vehicle speed response function (initial setting)
			IG SYNC FUNCTION ON	Ignition synchronization
			KEYLESS SYNC FUNCTION ON	Keyless entry synchronization
6 ¹	KEYLESS (HORN)	Keyless entry system horn answerback	FUNCTION OFF	Function OFF
			LOCK SOUND	Sound signal on each lock
			LOCK TWICE SOUND	Sound signal when continuous lock operates twice with one second
8 ¹	KEYLESS (HORN)	Keyless entry system horn answerback at night	NORMAL	Functions according to keyless entry horn answerback adjustment function setting
			AT NIGHT	Functions according to keyless entry horn answerback adjustment function setting, but sound signal prevented at night
9	KEYLESS (HAZARD)	Keyless entry system hazard answerback function	LOCK, UNLOCK, LIGHT ON	Function ON with both lock and unlock (initial setting)
			LIGHT ON ONLY WHEN LOCKED	Function ON only when locked
			LIGHT ON ONLY WHEN UNLOCKED	Function ON only when unlocked
			FUNCTION OFF	Function OFF
10	KEYLESS (P/W)	Multimode keyless entry system power window and sunroof function	OPEN, CLOSED ON	Closed and Open operation ON (Open operation is only for power window)
			CLOSED OPERATION ONLY	Closed operation only ON (initial setting)
			FUNCTION OFF	Function OFF
11	SECURITY ALARM	Security alarm	HORN, HAZARD	Function ON: Horn and hazard
			HAZARD ONLY	Function ON: Hazard only
			FUNCTION OFF	Function OFF: (initial setting)
15	TURN SIGNAL BUZZER	Turn signal buzzer activation sound function	FUNCTION OFF	Function ON
			FUNCTION ON	Function OFF: (initial setting)
16	ROOM LIGHT OFF T	Room light delayed switch-off time	60 SEC.	60 seconds
			30 SEC.	30 seconds
			15 SEC.	15 seconds (initial setting)
			7.5 SEC.	7.5 seconds
			DELAYED SWITCH-OFF OFF	0 seconds (no delay)
18	KEY OFF TIMER TIME	Power window and sunroof timer function time	TIMER FUNCTION OFF	Timer function OFF
			30 SEC.	30 seconds (initial setting)
			3 MIN.	3 minutes
			10 MIN.	10 minutes

19	PW/KEY OFF TIMER	Operation adjustment while power window key off timer is on *2	NORMAL OPERATION	Normal operation even while timer is on
			MAIN S/W OPERATION	While timer is on, operation of each power window (except the driver's seat power window) from the power window main switch is prohibited
24	KEYLESS TIMER LOCK T	Timer lock time after unlocking the keyless entry system	30 SEC.	30 seconds (initial setting)
			60 SEC.	1 minute
			120 SEC.	2 minutes
			180 SEC.	3 minutes
26	DOOR NOT PROPERLY CLOSED BUZZER	"Door not properly closed" alarm function	FUNCTION ON	Function ON (initial setting)
			FUNCTION OFF	Function OFF
27	WIPER SYNC HD	Wiper synchronization auto-light function	ONLY AT TIME OF AUTO- LIGHT	Function ON (initial setting)
			FUNCTION OFF	Function OFF (initial setting)
28	REAR WIPER INT TIME	Rear wiper interval time	8 sec.	8 seconds (no continuous operation)
			4 sec. (CONTINUOUS ON)	4 seconds (continuous operation)
			8 sec. (CONTINUOUS ON)	8 seconds (continuous operation)
			16 sec. (CONTINUOUS ON)	16 seconds (continuous operation)
			CONTINUOUS OPERATION	Continuous operation (intermittent OFF)
30	ROOM LIGHT AUTO-CUT	Interior light auto- cut function	3 MIN.	Automatic switch-off ON: 3 minutes
			30 MIN.	Automatic switch-off ON: 30 minutes
			60 MIN.	Automatic switch-off ON: 60 minutes
			FUNCTION OFF	Automatic switch-off OFF (initial setting)
31	P/W LOCK MODE	Power window driver's seat operation	ALL SEATS OPERATION ENABLED	Power windows for all seats can be operated at the time of LOCK
			DRIVER'S SEAT ONLY OPERATION ENABLED	Power window operation prohibited at the time of LOCK apart from driver's seat power window

Note

1. *1 can only be adjusted when the Smart Entry System has been installed. Adjustment function items will be displayed by operating the Smart Entry System once after it has been installed. Also, the adjustment function items will be completely deleted when activation of all functions has been carried out. However, new adjustment function items will be shown by activating the Smart Entry System.

2. Please refer to the Development Manual for details of *2
Initialization of all functions (Resetting initial conditions)

It is a function that can return all factory-installed adjustment functions. If items No. 6 and No. 8 are displayed, display will be removed by carrying out initialization of all functions. After initialization of all functions, adjustment function items that are reactivated by the Smart Entry System will be shown.