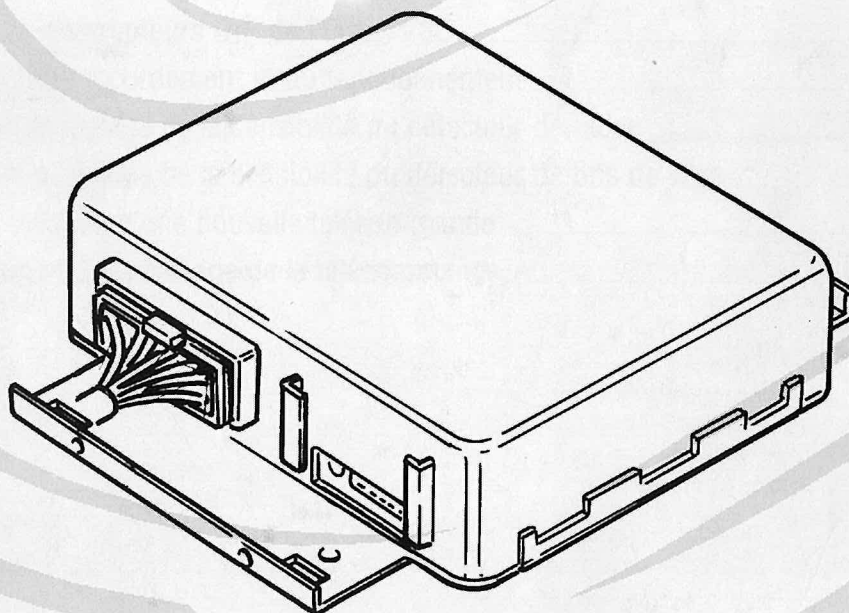




**Einstellanleitung
für das Sicherungssystem TVSS IIIB**

**Setting Guide
for the Vehicle Security System TVSS IIIB**

**Guide de réglage
pour le système de sécurité du véhicule TVSS IIIB**



TOYOTA MOTOR CORPORATION

T3LSET-

TO SET THE DIP SWITCHES OF TVSS ECU



EN

- 1) Set the dip switches of the TVSS ECU before installation of the protection bracket as follows:

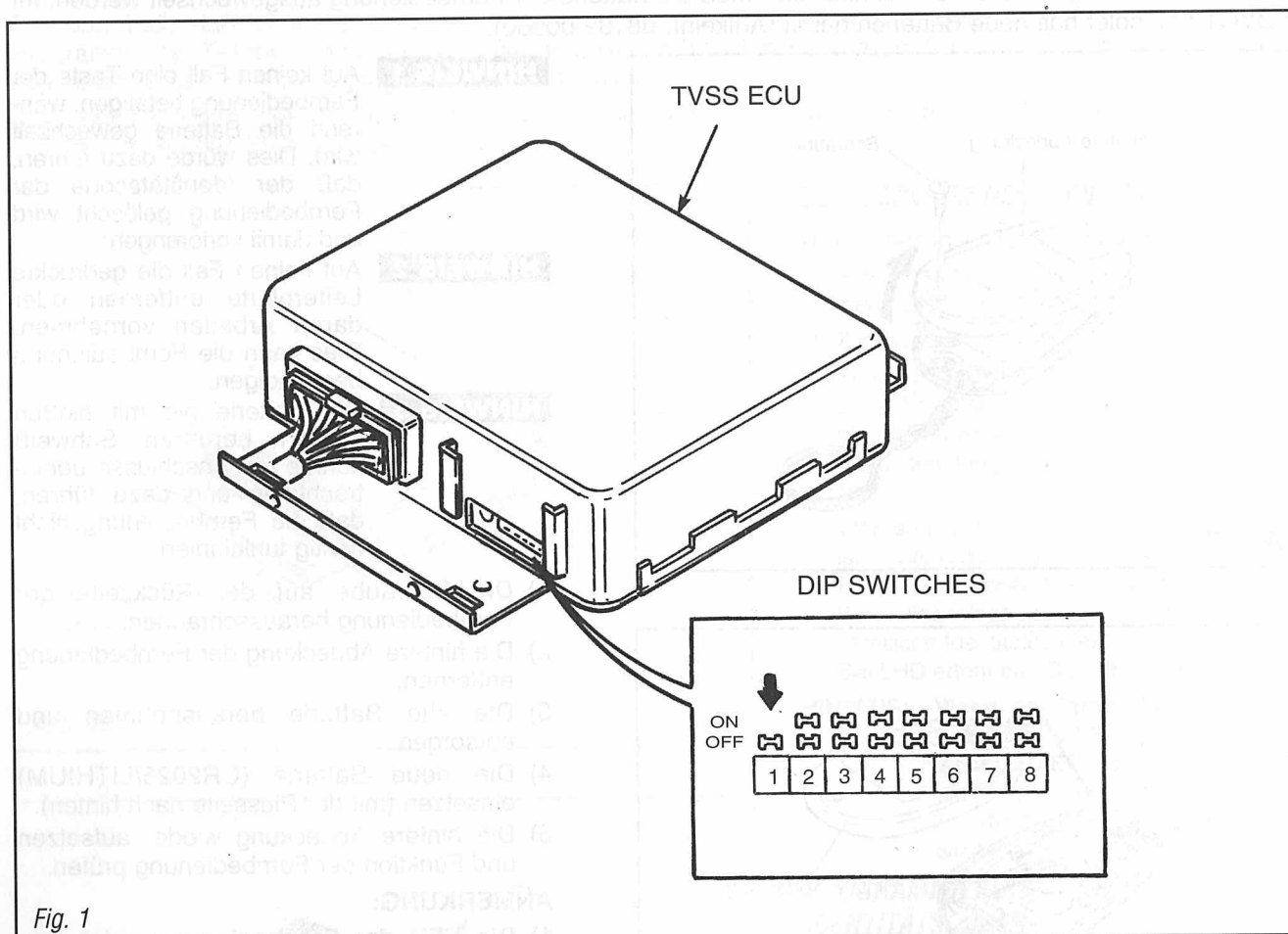


Fig. 1

DIP SWITCH	FUNCTION	POSITION	EXPLANATION
1	Test Mode	OFF	This dip switch will normally be OFF. Only when you wish to test the security system should it be set to ON. See p. 18 and 19.
2	Turn Indicator Lights (Answer back)	OFF ON	Turn indicator lights will not flash while arming/disarming Turn indicator lights will flash while arming/disarming
3	Starter Cut Control	OFF ON	All LHD countries except the Netherlands For the Netherlands
4&5	Valet/Passive Arming	Dip switch 4 Dip switch 5	
		OFF ON ON OFF	Passive/Valet Mode selectable by Remote Control Passive/Valet Mode selectable by Remote Control Always Passive Mode (for Belgium) Always Valet Mode
6	Panic Mode	OFF ON	No Panic Mode available Panic Mode available
7	Alarm Reset Control	OFF ON	Alarm reset only possible by Remote Control Alarm reset also possible by ignition key (OFF → ACC → OFF → ACC)
8	Alarm Sound Control	OFF ON	Intermediate sound (all countries except Switzerland) Continuous sound for Switzerland

CONNECTION AND FUNCTION TEST



EN

Verify the connection and functioning of TVSS before mounting the TVSS ECU and completing the reassembly of the removed parts and covers.

Follow all procedures below :

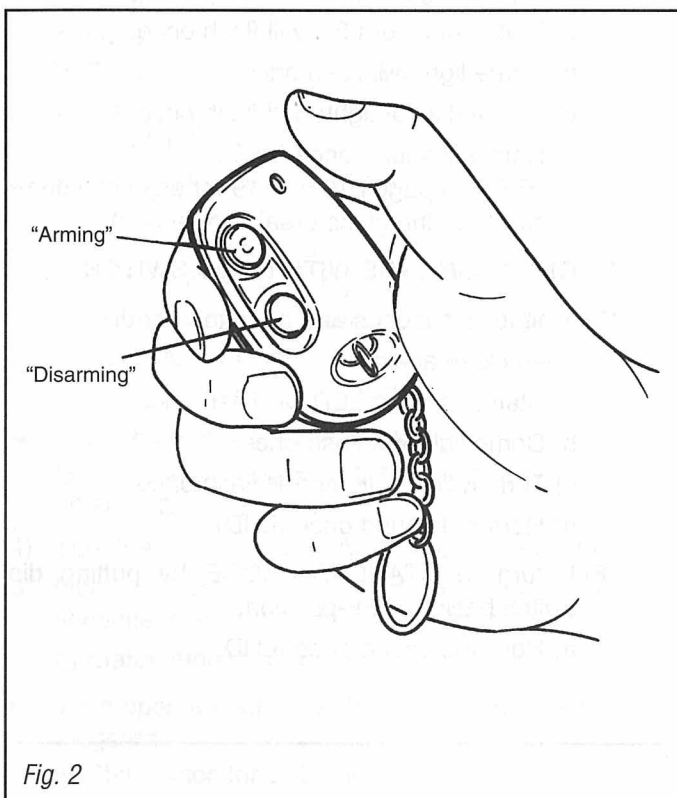


Fig. 2

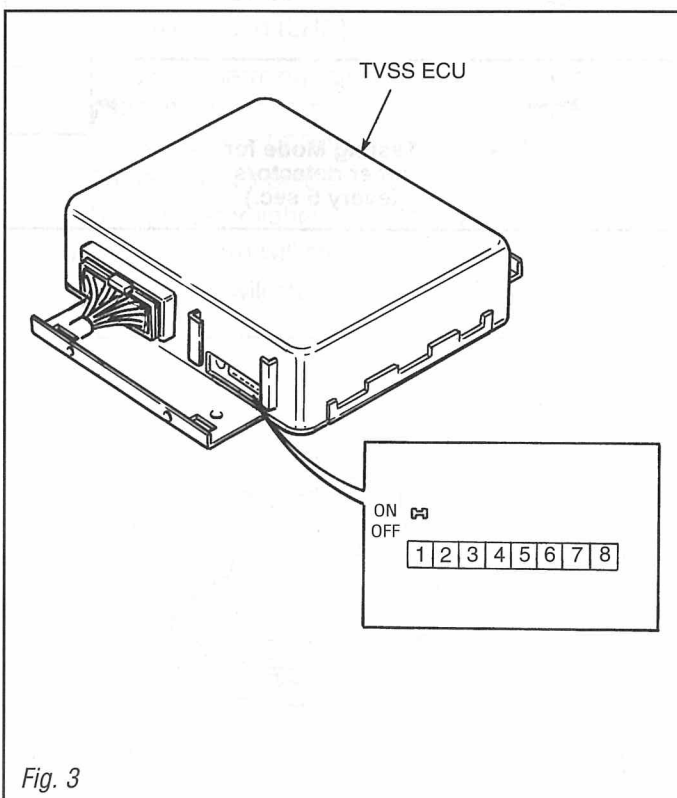


Fig. 3

TESTING MODE

- 1) Check all connectors and all terminal connections of the fitting kit wiring harnesses (main) and (engine).
- 2) Reconnect the negative and positive battery cable correctly.
- 3) Push the "disarming" button of the remote control transmitter. (See figure 2).
 - a) Doors will unlock (only for power door lock).
 - b) Turn indicator lights will flash twice (only if DIP switch "2" is on).
- 4) Open all windows, turn the ignition key off and set the dome light switch into the "DOOR" position.
- 5) Pull up the dip switch "1" of the TVSS ECU to change into the "TESTING MODE". (See figure 3).
 - a) Horn will sound once (LHD).
- 6) Close all doors, luggage and hood completely.
- 7) Wait for 15 seconds after doing step 5), in order to get ready for the radar sensor check. (For the next 30 seconds, check the radar sensor only).

■ **ONLY FOR TVSS WITH RADAR SENSOR**

- 8) Put your hand through the opening of the window to trigger the radar sensor. If OK, the sequence is as follows:
 - a) Status monitor LED will flash once.
 - b) Dome light will flash once.
 - c) Turn indicator lights will flash once.
 - d) Horn will sound once (LHD).
 (Refer to pages 18 & 19 for adjusting sensitivity of the radar sensor).
- 9) After 30 seconds the power supply to the radar sensor will stop.

■ **FOR ALL SYSTEMS**
(after 45sec. from step 5)

- 10) Push the "Arming" button of the remote to check the arming mode. If OK, the sequence is as follows:
 - a) Status monitor LED will flash once.
 - b) Dome light will flash once.
 - c) Turn indicator lights will flash once.
 - d) Doors will lock (only for power door lock).
 - e) Horn will sound once (LHD).
- 11) Wait for 5 seconds and push the "Disarming" button to check the disarming mode.
 - a) Status monitor LED will flash once.
 - b) Dome light will flash once.
 - c) Turn indicator lights will flash once.
 - d) Doors will unlock (only for power door lock).
 - e) Horn will sound once (LHD).

EN

12) Wait for 5 seconds and open the driver's door.

Then close again.

- a) Status monitor LED will flash once.
- b) Dome light will flash once.
- c) Turn indicator lights will flash once.
- d) Horn will sound once (LHD).

13) Check each remaining door and luggage, (repeating step 12).

14) Wait for 5 seconds and turn the ignition key to the "ACC".

- a) Status monitor LED will flash once.
- b) Dome light will flash once.
- c) Turn indicator lights will flash once.
- d) Siren (if fitted) will sound for 1 second.
- e) Horn will sound once (LHD).

■ ONLY FOR TVSS WITH GLASS BREAKAGE SENSOR

15) Close all windows and turn the ignition key off again.

16) Wait for 5 seconds from step 14) and tap the driver's window glass with something as a screwdriver to trigger the glass breakage sensor.

(Do not tap the window glass too hard, because the glass might break).

- a) Status monitor LED will flash once.
- b) Dome light will flash once.
- c) Turn indicator lights will flash once.
- d) Horn will sound once (LHD).

(Refer to pages 18 and 19 for adjusting sensitivity of the glass breakage sensor).

■ ONLY FOR TVSS WITH HOOD SWITCH

17) Wait for 5 seconds and open the hood.

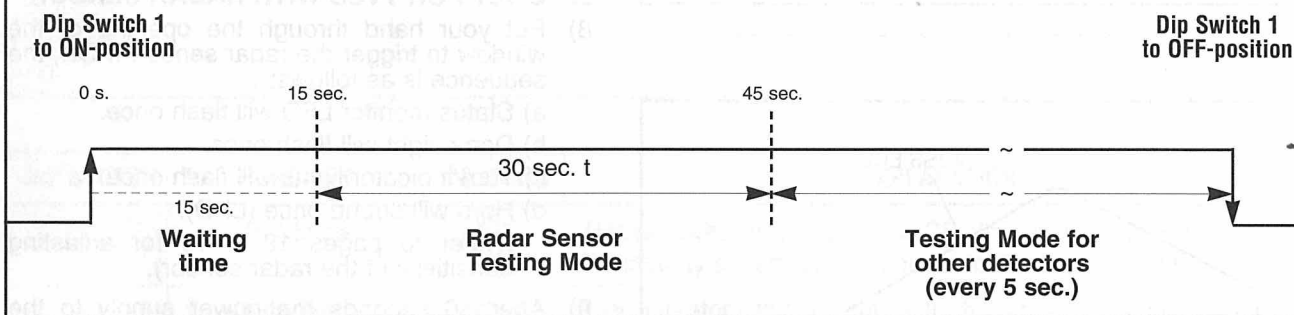
Then close again.

- a) Status monitor LED will flash once.
- b) Dome light will flash once.
- c) Turn indicator lights will flash once.
- d) Horn will sound once (LHD).

18) Return to STANDARD MODE by putting dip switch back to OFF-position.

- a) Horn will sound once (LHD).

TESTING MODE



STANDARD MODE

- 1) Set the dip switch "1" to "OFF" position to return to the "STANDARD MODE".
 - a) Horn will sound once (LHD).
- 2) Push the "Arming" button of the remote to arm the system.
 - a) Status monitor LED will start to flash continuously.
 - b) Doors will lock (only for power door lock).
 - c) Turn indicator lights will flash once (only for DIP switch "2" is on).
- 3) Push the "Disarming" button of the remote to disarm the system.
 - a) Status monitor LED will stop flashing.
 - b) Doors will unlock (only for power door lock).
 - c) Dome light will be switched on for 5 seconds.
 - d) Turn indicator lights will flash twice (only if DIP switch "2" is on).

TEST FOR PASSIVE ARMING

Only if DIP switches "4 & 5" are "ON & ON" or "OFF & OFF" or "ON & OFF".

- 4) Turn the ignition key to "ACC" and then to "OFF".
- 5) Open and close a door once and wait for 20 seconds to start the "Passive Arming".
 - a) Status monitor LED will start to flash.
- 6) Then open a door, after 15 seconds the alarm is triggered.
 - a) Status monitor LED will be switched on.
 - b) Dome light will be switched on.
 - c) Turn indicator lights will flash.
 - d) Siren (if fitted) will sound.
 - e) Horn will sound (LHD).
- 7) Push the "Disarming" button of the remote to stop the alarm.
 - a) Status monitor LED will be switched off.
 - b) Dome light will be switched off.
 - c) Turn indicator lights will stop flashing.
 - d) Siren (if fitted) will stop sounding.
 - e) Horn (LHD) will stop sounding.

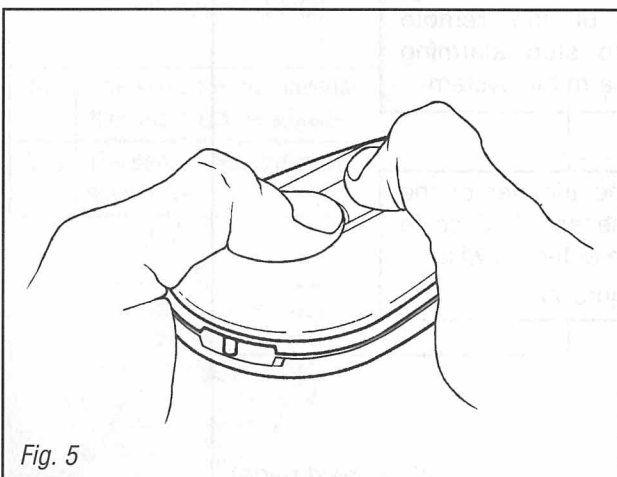


Fig. 5

TEST FOR VALET MODE

Only if DIP switches "4 & 5" are "ON & ON" or "OFF & OFF".

- 8) Turn the ignition key to "ACC" and push both the "Arming" and "Disarming" button of the remote simultaneously to change to "Valet Mode" (see figure 5).
 - a) Status monitor LED will flash once.

Only if DIP switches "4 & 5" are "ON & ON", "OFF & OFF" or "ON & OFF".
- 9) Turn the ignition key to "OFF" to verify the "Valet Mode".
 - a) Status monitor will flash rapidly for 1 second.

To return to passive arming:

Only if DIP switches "4 & 5" are "ON & ON" or "OFF & OFF".

- 10) Turn the ignition key to "ACC" position.
 - a) Status Monitor LED will flash rapidly for 1 second.
- 11) Push both the "Arming" and "Disarming" button of the remote control simultaneously to change to "Passive Mode" (see figure 5).
 - a) Status Monitor LED will flash twice.
- 12) Turn the ignition key to "OFF" position and remove the key.

PANIC MODE TEST

Only if DIP switch "6" is on.

- 13) Push either the "Arming" or "Disarming" button of the remote for 2 seconds to start the "Panic Mode".
 - a) Status monitor will be turned on for 28 seconds.
 - b) Dome light will be switched on for 28 seconds.
 - c) Turn indicator lights will flash for 28 seconds.
 - d) Siren will sound for 28 seconds (only for TVSS with siren).
 - e) Horn will sound for 28 seconds (LHD).
- 14) Push either the "Arming" or "Disarming" button of the remote again to stop the "Panic Mode".

ALARM RESET BY KEY TEST

Only if DIP switch "7" is on.

- 15) Push the "Arming" button of the remote once to arm the system.
- 16) Open a door and the alarm will be triggered.
- 17) Turn the ignition key as follows: "OFF → ACC → OFF → ACC" to stop the alarm.
- 18) Push the "Disarming" button of the remote to disarm the system, and then close the door.

Connection and function tests are over.

RADAR SENSOR SENSITIVITY CHECK AND ADJUSTMENT



EN

Verify and adjust the radar sensor sensitivity before completing the installation of TVSS and the reassembly of the removed parts and covers. Follow all procedures below:

PREPARATION

- 1) Check all connectors and terminal connections of the fitting kit wire harnesses (main) and (engine).
- 2) Reconnect the negative and positive battery cables correctly.
- 3) Open all windows and turn the ignition key to OFF position.
- 4) Verify that the trimmer of the radar sensor is at the correct scale position (see Installation Instructions manual of the vehicle).

VERIFICATION AND ADJUSTMENT

- 1) Push the "Arming" button of the remote to arm the system.

- 2) Wait for 15 seconds to get ready for the radar sensor.

- 3) Place your hand very close to the driver's window area. Then wave your hand sideways across about 30 cm span several times. (The purpose of this is to simulate a person's movement passing close to the vehicle). (See figure 6).

- 4) Is the alarm triggered ?
 - Status monitor LED will be turned on.
 - Dome light will be turned on.
 - Turn indicator lights will flash.
 - Siren (if fitted) will sound.
 - Horn will sound (LHD).

Yes	The sensor is too sensitive and must be adjusted.
No	The sensor is not too sensitive.

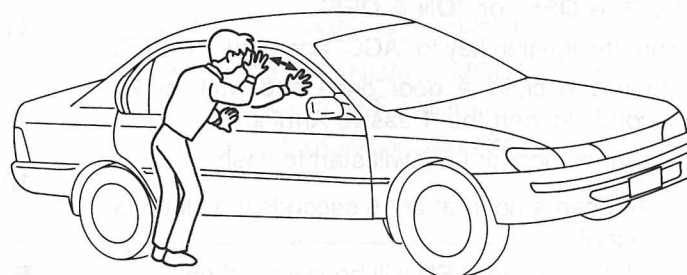


Fig. 6

- 8) Push the "Disarming" button of the remote once to stop alarming and disarm the system.

- 9) Turn the trimmer of the radar sensor ONE scale position anti-clockwise. (see figure 7)

No (Continue to next page)

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- 5) Put your hand through the driver's window and then wave your hand sideways across about 30 cm span several times (See figure 8).

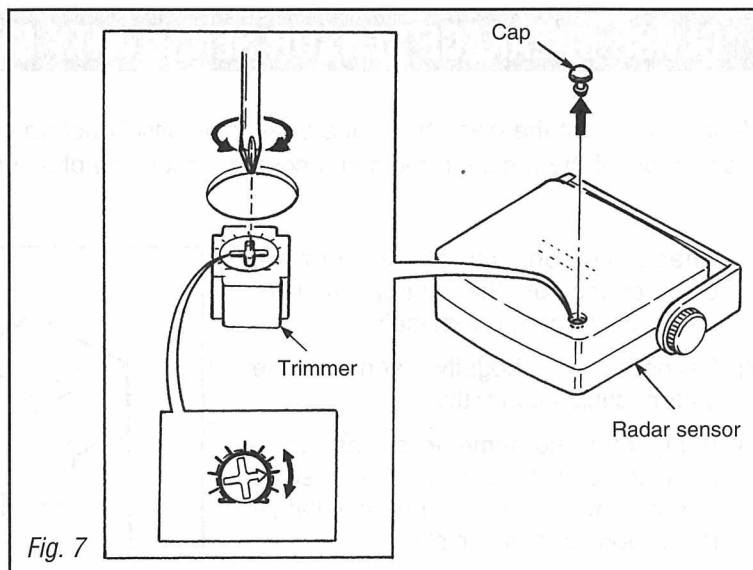


Fig. 7

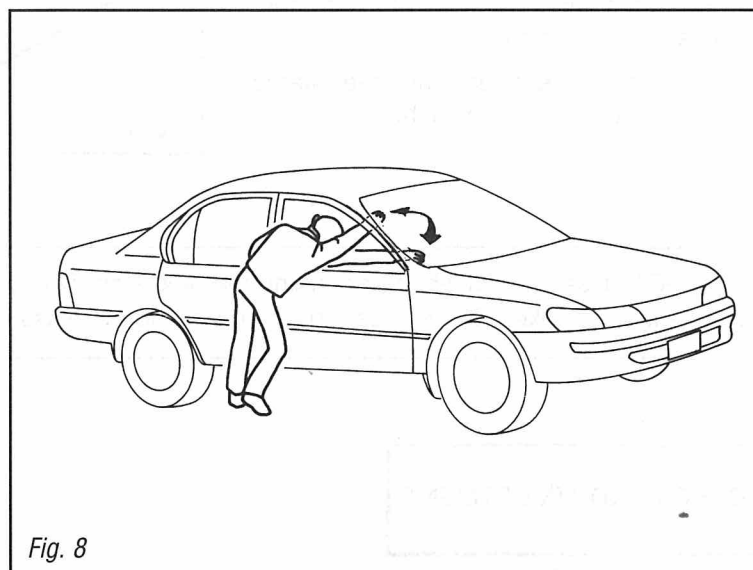


Fig. 8

- 6) Is the alarm triggered ?
- Status monitor LED will be turned on.
 - Dome light will be turned on.
 - Turn indicator lights will flash.
 - Siren (if fitted) will sound.
 - Horn will sound (LHD).

No	The sensor is too insensitive and must be adjusted.
Yes	The sensor has optimum sensitivity.

Yes

- 7) Verification and adjustment are over.
Push the "Disarming" button of the remote once to stop the alarm and disarm the system.

No

10)	Is current scale position "Max." ?
Yes	The sensor may be broken. Please check the sensor.
No	Push the "Disarming" button of the remote once to stop the alarm and disarm the system. Turn the trimmer of the radar sensor clockwise for one scale position. (See figure 7).

GLASS BREAKAGE SENSOR SENSITIVITY CHECK AND ADJUSTMENT



Verify and adjust the glass breakage sensor sensitivity before completing the installation of the TVSS and the reassembly of the removed parts and covers. Follow the procedures below:

- 1) Check all connectors and terminal connections of the fitting kit wire harness (main) and (engine).
- 2) Reconnect the negative and positive battery cables correctly.
- 3) Verify that the trimmer of the glass breakage sensor is at the correct scale position according to the installation instructions of this vehicle.
- 4) Close all windows, all doors, boot and bonnet.
- 5) Press the Arming button of the remote to arm the system.
- 6) Wait for 2 seconds until the status monitor LED starts to flash.

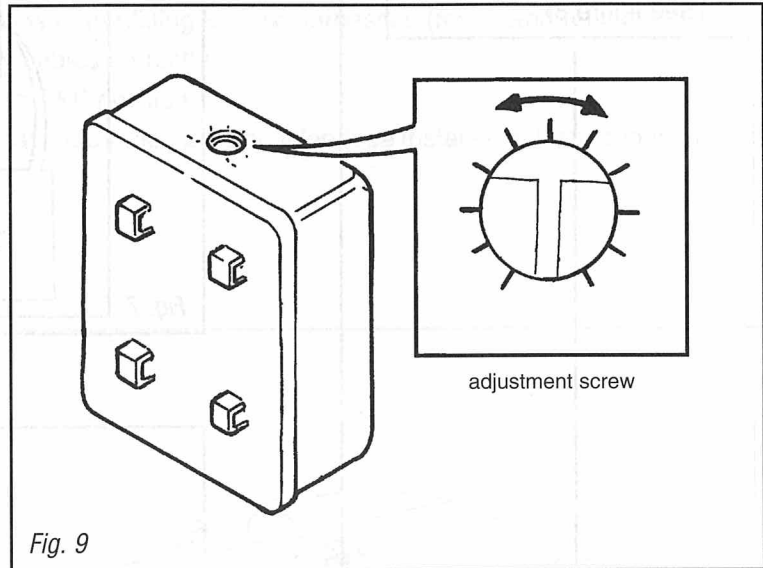


Fig. 9

CAUTION: Use caution when performing the next step. Do not tap the window glass too hard, because the glass may be broken. Be very careful when tapping the glass on a very cold day.

CHECK AND ADJUSTMENT

- 1) Tap on the centre of the driver's window glass with moderate force, by using something as the tip of a screwdriver.

- 2) Is the alarm triggered ?

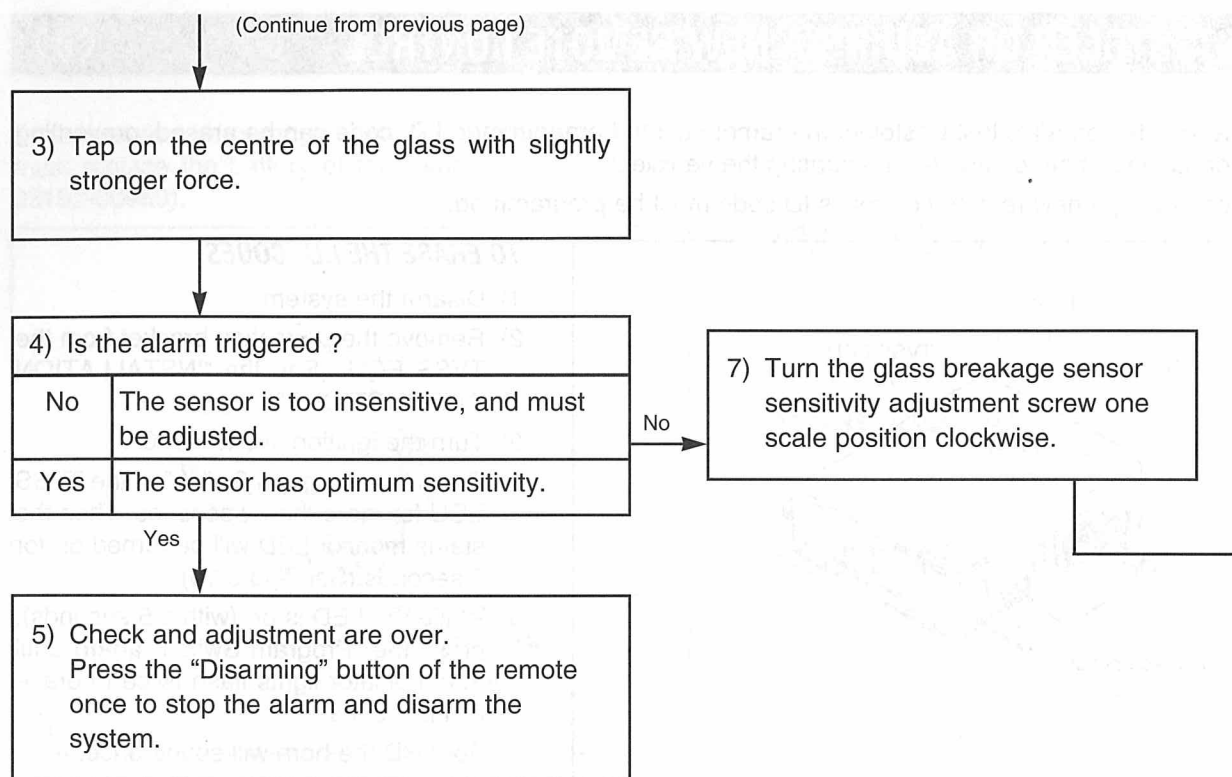
- Status monitor LED will be on.
- Dome light will be turned on.
- Turn indicator lights will flash.
- Siren (if equipped) will sound.
- Horn will sound (LHD).

Yes	The sensor is too sensitive, and must be adjusted.
No	The sensor is not too sensitive.

- 6) Turn the glass breakage sensor sensitivity adjustment screw one position counterclockwise.

No
(Continue to next page)

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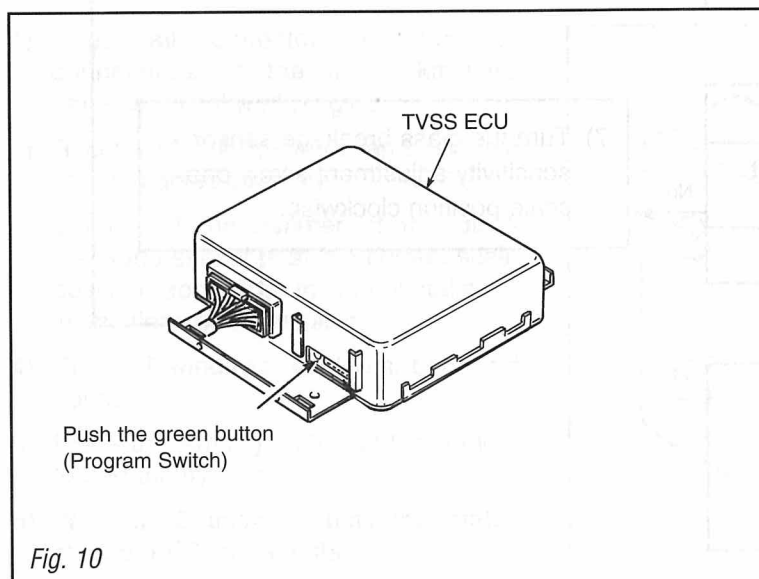


LOST, STOLEN OR ADDING A NEW REMOTE CONTROL



In case a remote control is lost or stolen, the remote control programmed I.D. code can be erased, preventing the lost or stolen remote control from operating the vehicle.

Also when adding a new remote control its ID code must be programmed.



TO ERASE THE I.D. CODES

- 1) Disarm the system.
- 2) Remove the protection bracket from the TVSS ECU. (See the "INSTALLATION INSTRUCTIONS").
- 3) Turn the ignition key to "ACC".
- 4) Press the "Program Switch" of the TVSS ECU for more than 2 seconds. Then the status monitor LED will be turned on for 5 seconds (See figure 10).
- 5) While the LED is on (within 5 seconds), press the "Program Switch" **again** until turn indicator lights flash twice to erase all I.D. codes.

For LHD the horn will sound once.

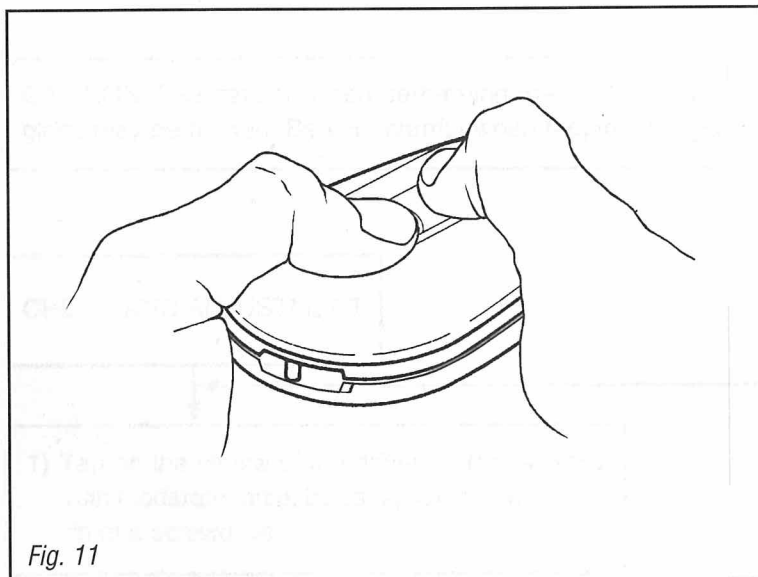
NOTE: If turning the ignition key off, the LED will flash continuously until programming a remote control I.D. code.

TO PROGRAM A NEW I.D. CODE

Up to 4 remote controls can be programmed.

- 1) Disarm the system.
- 2) Remove the protection bracket from the TVSS ECU. (See the "INSTALLATION INSTRUCTIONS").
- 3) Turn the ignition key to the "ACC" position.
- 4) Press the "Program Switch" of the TVSS ECU for more than 2 seconds. Then the status monitor LED will be turned on for 5 seconds.
- 5) While the LED is on (within 5 seconds) press both the "Arming" and "Disarming" buttons of the remote control until the turn indicator lights flash once.
For LHD the horn will sound once.
- 6) To program another remote control I.D. code, repeat steps 3), 4) and 5).

NOTE: If the total of the programmed I.D. code number is more than 4, only the last 4 I.D. codes can operate the system.



REMOTE CONTROL BATTERY REPLACEMENT



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If the remote control range becomes shorter or its LED has become weak or dim or refuses to work at all, you must replace the battery of the remote control. Batteries are available from your TOYOTA dealer (part no. 08192-00960).

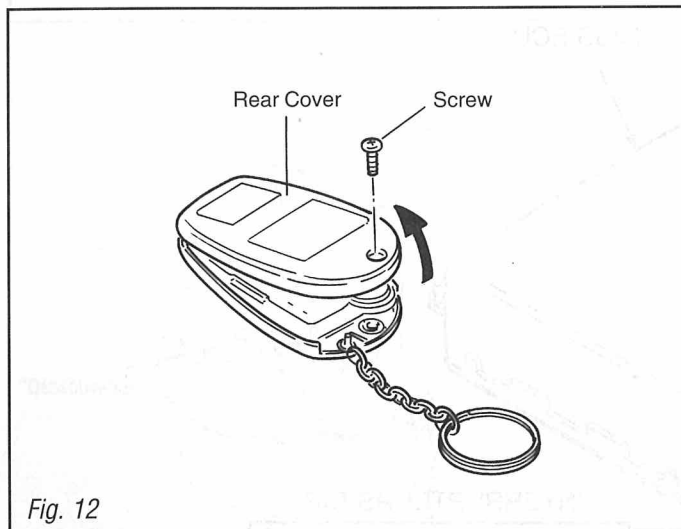


Fig. 12

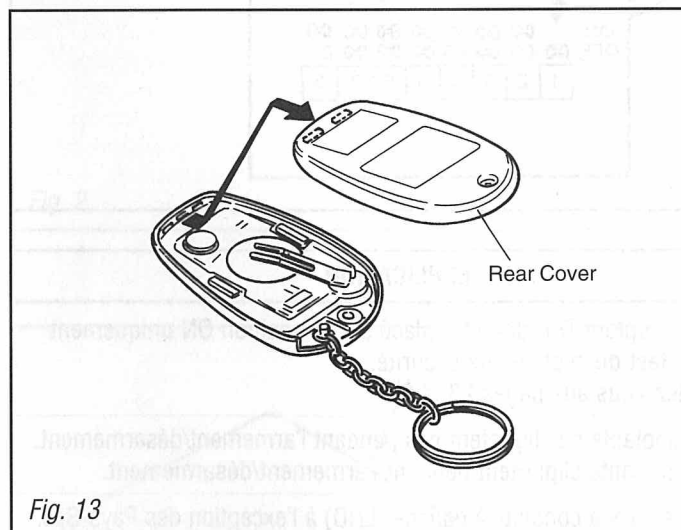


Fig. 13

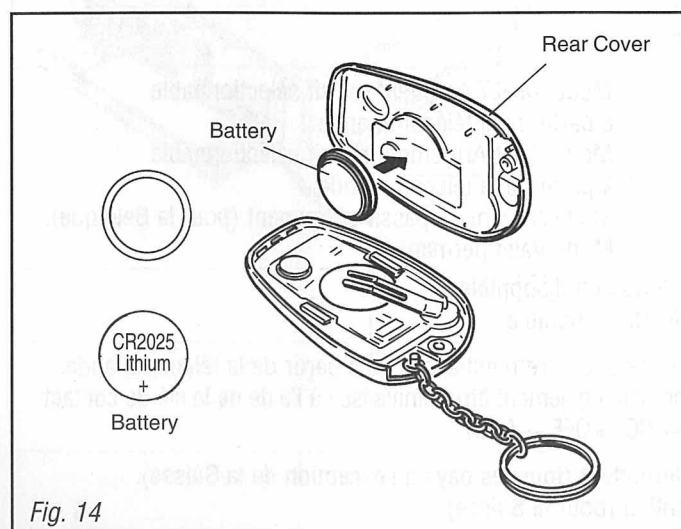


Fig. 14

CAUTION 1 Never press any remote button while replacing the battery to prevent the last rolling I.D. code of the remote control from being lost.

CAUTION 2 Do not remove or tamper with the printed circuit board. Damage may occur to the remote control.

CAUTION 3 Avoid touching the battery with bare fingers, as body moisture may affect contacts and prevent the unit from working properly.

- 1) Undo the screw at the back of the remote control.
- 2) Remove the rear cover.
- 3) Take out the old battery.
- 4) Insert the new battery (CR2025/LITHIUM) with the positive (+) side facing to the rear cover.
- 5) Refit the rear cover and check that the remote control operates.

NOTE: 1) The LED on the remote control will indicate the status of the remote control's battery. The LED will dim BEFORE the remote control becomes inoperational.

2) Changing the remote control's battery will not erase the remote control's code from the main control unit.

3) We recommend replacing the battery every year to ensure that the remote control works properly. Under normal conditions, batteries have a life of about one year. The battery fitted at the factory may have a shorter life. There is no need to remove the remote control printed circuit board while replacing the battery.

4) Should the remote control become inoperative after the battery replacement, the remote control needs resetting. The procedure is to press either button twice, while standing near the TVSS ECU, immediately after the battery replacement.