SUZUKI

INSTALLER AND USER INSTRUCTIONS
INSTALLATIONS-UND BEDIENUNGSANLEITUNG
MANUEL INSTALLATEUR ET UTILISATEUR
MANUALE DI INSTALLAZIONE ED USO
MANUAL PARA INSTALADOR Y USUARIO
ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ ΚΑΙ ΧΡΗΣΗΣ
TELEPÍTÉSI ÉS KEZELÉSI UTASÍTÁSOK
INSTRUKCJA MONTAŻU I OBSŁUGI
INSTALLERINGS- OG BRUGERVEJLEDNING
INSTRUCTIES VOOR DE INSTALLATEUR EN DE GEBRUIKER
ИНСТРУКЦИЯ ПО УСТАНОВКЕ И ЭКСПЛУАТАЦИИ
INSTALLASJONS- OG BRUKERVEILEDNING
NÁVOD NA INSTALACI A POUŽITÍ
ASENTAJAN JA KÄYTTÄJÄN OHJEET
ІНСТРУКЦІЯ З МОНТАЖУ ТА ЕКСПЛУАТАЦІЇ
NÁVOD NA INŠTALÁCIU A POUŽITIE
INSTALLATIONS- OCH ANVÄNDARINSTRUKTIONER
INSTRUCȚIUNI DE INSTALARE ŞI UTILIZARE
KORISNIČKI PRIRUČNIK S UPUTAMA ZA POSTAVLJANJE
KURUCU VE KULLANICI TALİMATLARI
NAVODILA ZA MONTAŽO IN UPORABO
INSTRUÇÕES PARA O INSTALADOR E UTILIZADOR

GB	Description:	**Front parking system**	Part number:	**990E0-54P56-000**
	Applications:	▪ **VITARA (LY)**	Fitting time:	**1h**
D	Beschreibung:	**ParkAssistent vorn**	Teile Nr:	**990E0-54P56-000**
	Verwendung:	▪ **VITARA (LY)**	Montagezeit:	**1h**
F	Désignation:	**Système d'aide au stationnement avant**	N° de code:	**990E0-54P56-000**
	Utilisations:	▪ **VITARA (LY)**	Temps de montage:	**1h**
I	Descrizione:	**Sensori di parcheggio anteriori**	Numero di codice:	**990E0-54P56-000**
	Applicazioni:	▪ **VITARA (LY)**	Tempo d'installazione:	**1h**
E	Descripción:	**Sensores de aparcamiento delanteros**	Código:	**990E0-54P56-000**
	Aplicación:	▪ **VITARA (LY)**	Tiempo de instalación:	**1h**
GR	Περιγραφή:	**Εμπρόσθιοι αισθητήρες στάθμευσης**	αρ. κωδικού:	**990E0-54P56-000**
	Εφαρμογές:	▪ **VITARA (LY)**	Χρόνος εγκατάστασης:	**1h**

HU	Leírás:	**ELSŐ PARKOLÁSI ÉRZÉKELŐK**	Cikkszám:	**990E0-54P56-000**
	Alkalmazások:	▪ **VITARA (LY)**	Összeszerelési idő:	**1h**
PL	Opis:	**PRZEDNIE CZUJNIKI PARKOWANIA**	Numer części:	**990E0-54P56-000**
	Zastosowanie:	▪ **VITARA (LY)**	Czas montażu:	**1h**
DK	Beskrivelse:	**FRONTMONTEREDE PARKERINGSFØLERE**	Reservedelnummer:	**990E0-54P56-000**
	Anvendelsesområder:	▪ **VITARA (LY)**	Montagetid:	**1h**
NL	Beschrijving:	**PARKEERSENSOREN VOORZIJDE**	Onderdeelnummer:	**990E0-54P56-000**
	Toepassingen:	▪ **VITARA (LY)**	Montagetijd:	**1h**
RU	Описание:	**Система парковки передним ходом**	Номер детали:	**990E0-54P56-000**
	Применяется:	▪ **VITARA (LY)**	Время настройки:	**1h**
NO	Beskrivelse:	**Front parkeringssystem**	Delenr.:	**990E0-54P56-000**
	Anvendelser:	▪ **VITARA (LY)**	Monteringstid:	**1h**
CZ	Popis:	**Přední parkovací systém**	Číslo dílu:	**990E0-54P56-000**
	Použití:	▪ **VITARA (LY)**	Doba montáže:	**1h**
FI	Kuvaus:	**Etupysäköintijärjestelmä**	Osanumero:	**990E0-54P56-000**
	Sovellukset:	▪ **VITARA (LY)**	Asennusaika:	**1h**
UA	Опис:	**Система переднього паркування**	Номер деталі:	**990E0-54P56-000**
	Застосування:	▪ **VITARA (LY)**	Час монтажу:	**1h**
SK	Popis:	**Predný parkovací asistent**	Číslo dielu:	**990E0-54P56-000**
	Použitie:	▪ **VITARA (LY)**	Doba montáže:	**1h**
SE	Beskrivning:	**Parkeringssystem fram**	Reservdelsnummer:	**990E0-54P56-000**
	Användningsområden:	▪ **VITARA (LY)**	Monteringstid:	**1h**
RO	Descriere:	**Sistem de parcare cu fața**	Cod articol:	**990E0-54P56-000**
	Aplicații:	▪ **VITARA (LY)**	Timp de montare:	**1h**
HR	Opis:	**Sustav za pomoć pri parkiranju unaprijed**	Broj dijela:	**990E0-54P56-000**
	Namijenjen za:	▪ **VITARA (LY)**	Vrijeme potrebno za postavljanje:	**1h**
TR	Tanım:	**Ön park sistemi**	Parça numarası:	**990E0-54P56-000**
	Uygulamalar:	▪ **VITARA (LY)**	Montaj süresi:	**1h**
SL	Opis:	**Prednji sistem za parkiranje**	Številka dela:	**990E0-54P56-000**
	Aplikacija:	▪ **VITARA (LY)**	Čas za namestitev:	**1h**
PT	Descrição:	**Sistema de estacionamento dianteiro**	Número da peça:	**990E0-54P56-000**
	Aplicações:	▪ **VITARA (LY)**	Tempo de instalação:	**1h**

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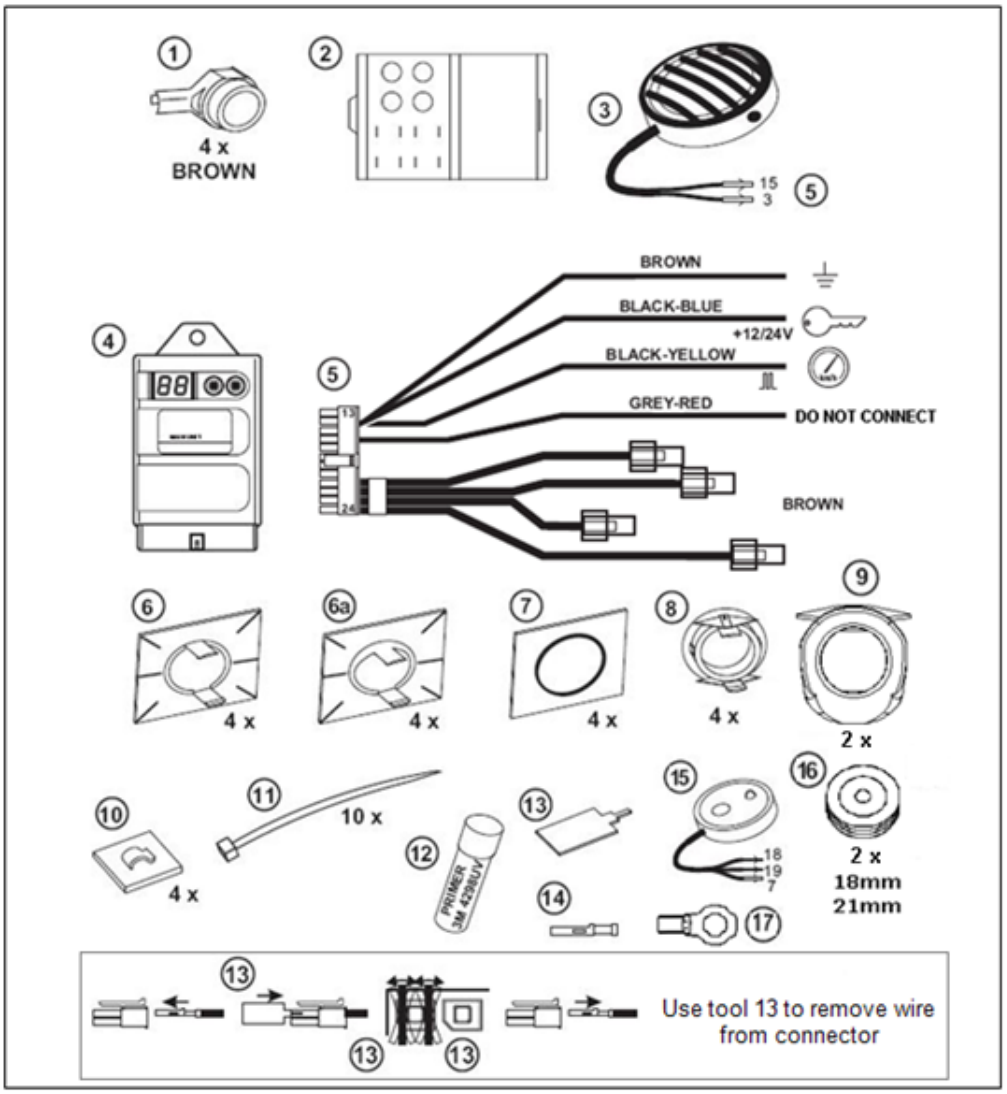
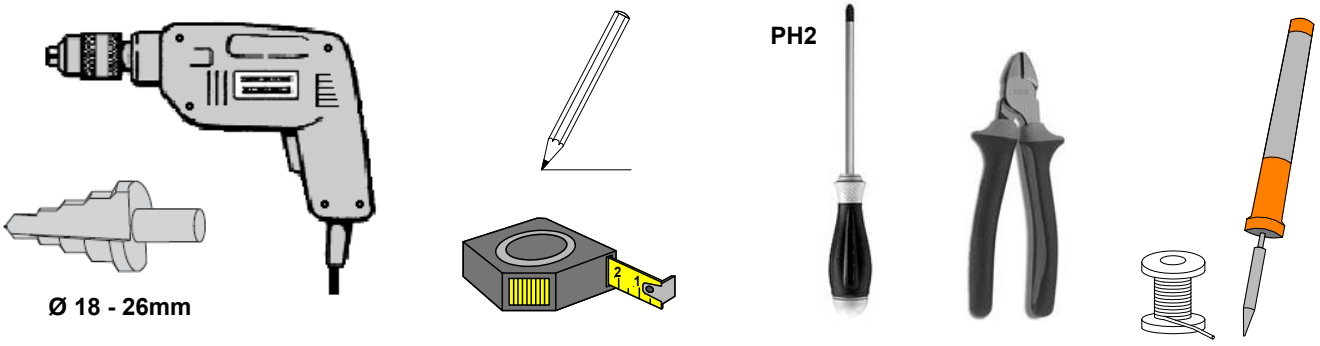
1. SET CONTENTS



2. TOOLS



3. BEFORE INSTALLATION

1. Before you start, park the vehicle on a level surface, pull the parking brake and remove ignition key from lock cylinder.
2. Be careful not to damage any vehicle part.
3. Make sure all the parts are included in the kit as shown in “Set Contents”.

CAUTION	
Please read the present manual and follow its instructions carefully. The signal words ⚠WARNING, CAUTION and NOTE have been used to emphasize special information: pay special attention to them.	
⚠ WARNING	Indicates a potentially hazardous situation which could result in death or injury.
CAUTION	Indicates a potentially hazardous situation which could result in vehicle damage.
NOTE	Indicates special information to make maintenance easier or instructions clearer.

CAUTION
▪ Disconnect the negative pole of the battery before connecting any wire.
▪ All connections must be soldered.
▪ Installation and connections should be done by qualified personnel only.

- CAUTION -
PRINT PAGES 4 & 5 FOR YOUR CUSTOMER

⚠ WARNING

a. Remember to always look around the vehicle while parking.
b. The parking system is designed only as a parking aid, it should not be considered to replace care and attentiveness while manoeuvring. Always check the environment and keep a slow speed to avoid unexpected hazards.
c. In case of heavy rain or snow the parking system might give an audible alert even if no obstacles are present: this does not necessarily indicate that the parking system is defective.

⚠ WARNING

Presence of human beings, animals or small obstacles (smaller than 35cm) or objects/materials with low reflectance, might not be detected by the parking system.

4. SYSTEM OPERATION

Automatic activation of sensors (odometer signal)

The parking system is automatically activated when ignition is turned ON ➔ the LED lights up to confirm activation.
The sensors stay ON until the vehicle speed remains under approximately 15 km/h. When speed exceeds 15 km/h, the parking aid is automatically disabled and the LED turns OFF.

To deactivate the sensors (ex. when in queue), press the button on the LED receptacle as follows:

- Short-press (approx. 1 second) ➔ sensors are disabled until the button is pressed again.
- Long-press (hold for approx. 5 seconds until you hear a beep) ➔ sensors remain disabled until ignition is turned OFF and ON again.

Detection of obstacles is signalled by the buzzer with an audible proximity warning when driving forward. The beeping frequency will warn the driver about the presence of any obstacle in front of the vehicle: the faster the beeping the closer the obstacle.

The buzzer emits a continuous tone when the vehicle is approx. 35-55cm from the obstacle (user selectable setting).

5. TROUBLESHOOTING GUIDE

5.1 LOW POWER SUPPLY SIGNAL

If, when the control unit is turned ON, the battery level is too low to guarantee the accuracy of the system, the buzzer will almost immediately give out a deep warning tone for 5 sec. and the LED will start blinking rapidly. This will indicate that ALL the sensors are inoperative because of the low power supply and the driver will know that he will have to do without them.

5.2 FAULTY SENSORS

If, when the control unit is turned ON, one of the sensors turns out to be inoperative or not connected, an audio signal will sound for 3 sec.
If more than one sensor is inoperative, the number of the faulty sensors will be alternatively displayed on the main control unit.

SENSOR 1 => inoperative

SENSOR 4 => inoperative

NOTE

One single faulty sensor alters the correct functioning of the whole parking system.

5.3 OTHERS

POSSIBLE CAUSE	SOLUTION
Ice on sensors.	Clean the sensors.
Back part of sensors in contact with frame.	Create a separation between the sensors and the vehicle.

NOTE

In case of heavy rain or snow the parking system might give an audible alert even if no obstacles are present: this does not necessarily indicate that the parking system is defective.

NOTE

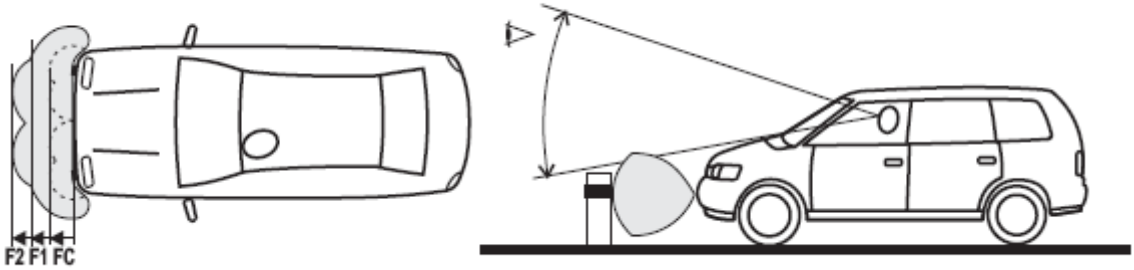
If, once activation is confirmed, the buzzer keeps beeping and no obstacle is in front of the vehicle, the parking system is defective: contact your SUZUKI dealer.

6. DETECTION ZONES

Detection zones are indicated as "**F1**" and **"F2"** and the detection zone closest to the obstacle "**FC**". The stage-by-stage sound alert will vary according to the detection zone.

The **STOP zone** is the minimum distance detected between an obstacle and the sensor. In this case the warning tone is solid.

ZONE	DISTANCE
FC	35 cm
F1	60 cm
F2	85 cm



7. WARRANTY CONDITIONS

This product is guaranteed to be free from manufacturing defects for a period of 24 months from the purchase date validated by the receipt or invoice (in compliance with Warranty Directive 1999/44/CE (L.D. N° 24 dated 02/02/2002); if these documents are not available, warranty will start from the manufacturing date stated on and inside the product itself.

Warranty only covers the repairing or replacement of the parts showing manufacturing defects; direct labour, transport and any other charges are excluded. The warranty does not apply in case of malfunctioning caused by: negligence, improper installation, tampering and improper use of the system and its application is entirely at the manufacturer's discretion. In case of any warranty request please contact your SUZUKI dealer.

The above is the only guarantee prescription and the buyer shall not have the right to ask for cancellation of the contract, compensation for damage and/or price reduction.

8. TECHNICAL SPECIFICATIONS

Supply voltage	9 => 30 Vdc
Current consumption - system ON	200mA max.
Operating temperature range	-30°C => +70°C
Ultrasonic frequency	40 kHz

9. WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

The present device does not fall within the scope of Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) as specified in art. 2.1 of L.D. no. 151 of 25/07/2005.

10. PROGRAMMING

CAUTION
Only expert users should modify the settings to avoid malfunctions of the parking system.

The display will indicate:

FS: Factory Settings => Factory default adjustments.

CS: Custom Settings => User-chosen adjustments.

To enter in programming mode, proceed as follows:

Press one of the two buttons on the control unit and keep it pressed for at least 2 seconds:
the system will activate and enter in programming mode.

Press the LEFT button to go back to the previous parameter.

Press the RIGHT button to move up to the next parameter.

When the parameter you want to modify is displayed, press one of the buttons and keep it pressed
until the display starts to blink: at this point the parameter can be modified.

Press the LEFT button to decrease the parameter value.

Press the RIGHT button to increase the parameter value.

Press one of the two buttons on the control unit and keep it pressed for at least 2 seconds to register the value.
The display will stop blinking and the selected parameter will be displayed.

If no button is pressed within10 seconds, the system will exit the programming mode.

NOTE
To reset factory settings (FS), simultaneously press the 2 buttons on the control unit and keep them pressed for more than 2 seconds.

11. SETTING OF PARAMETERS

CAUTION
The system is factory configured, modify default settings only if strictly necessary!

Par.	Parameters	Selectable Settings	Factory Settings
01	Volume of buzzer	0, 1, 2 (**Ref.1**)	2
02	Detection range - Central sensors	50 - 95 cm	90
03	Detection range - Outer sensors	50 - 95 cm	50
06	STOP zone - Central sensors	35 - 50 cm	50
07	STOP zone - Outer sensors	35 - 50 cm	35
11	Number of speed signal pulses	1 - 99	2
12	Delay of sensors deactivation	0 or 10 - 60 sec. (**Ref.2**)	00
15	Service display (testing)	0, 1, 3 (**Ref.3**)	0
16	Continuous detection - zones F1 and F2	0, 1 **(Ref.4)**	1
17	Sensitivity	1, 2, 3 **(Ref.5)**	1

Ref.1: 0 = OFF
1 = Low
2 = High

Ref.2: By setting “00” => the system is activated every time ignition is turned ON.
To disable => press the button on the LED receptacle.
To turn it back ON => press the same button again.

Ref.3: 0 = OFF
1 = Distance from closest obstacle.
3 = Vehicle approx. speed (km/h, refer to parameter 11 to program).

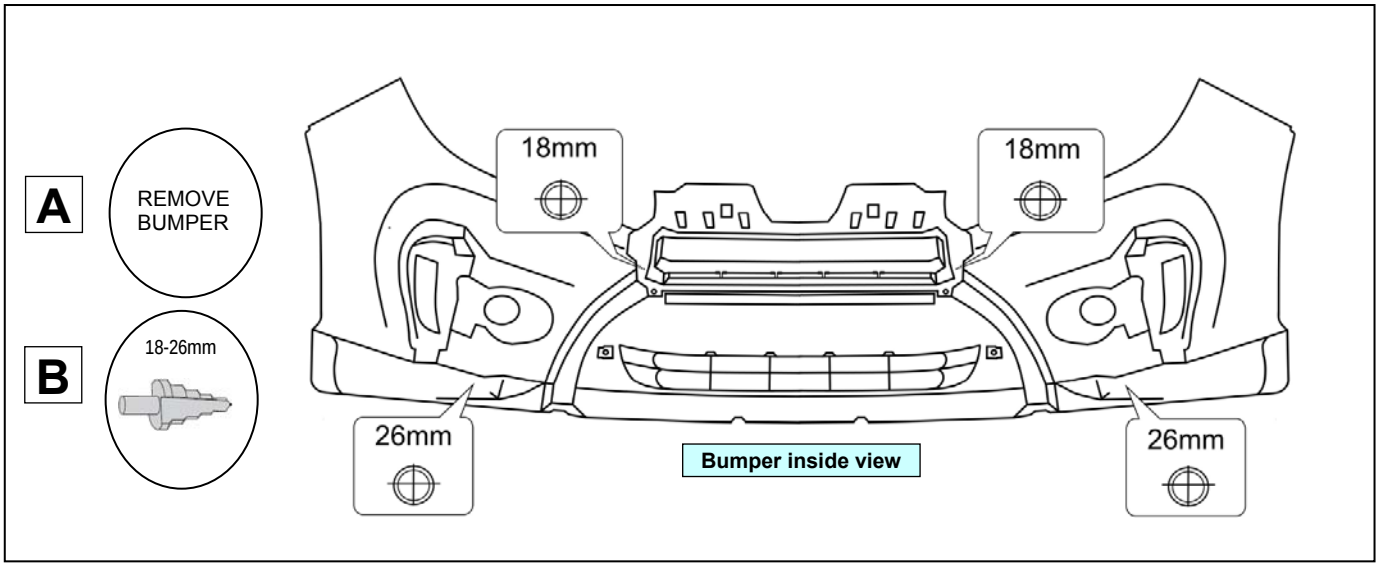
Ref.4: 0 = OFF
1 = ON

Ref.5: 1 = Low
2 = Medium
3 = High

12. TESTING

a. To enter in programming mode, press and hold for at least 2 seconds one of the two buttons on the control unit (4).
b. Select parameter “15” (see “Setting of parameters”).
c. Press and hold one of the two buttons and select the test: “1” to test sensors or “3” to detect speed.
d. Press and hold one of the two buttons; the display will show “--”.
e. Test the sensors; the system will indicate the actual distance.
f. Reset parameter to “00”.
g. When testing is completed, press and hold one of the two buttons until the previously selected parameter (15) is displayed.
h. The system will automatically exit programming mode 10 seconds after the button has been pressed.

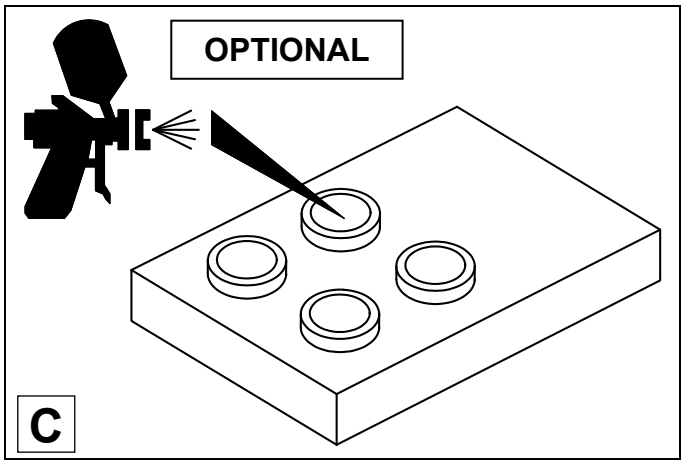
13. INSTALLATION - VITARA (LY)



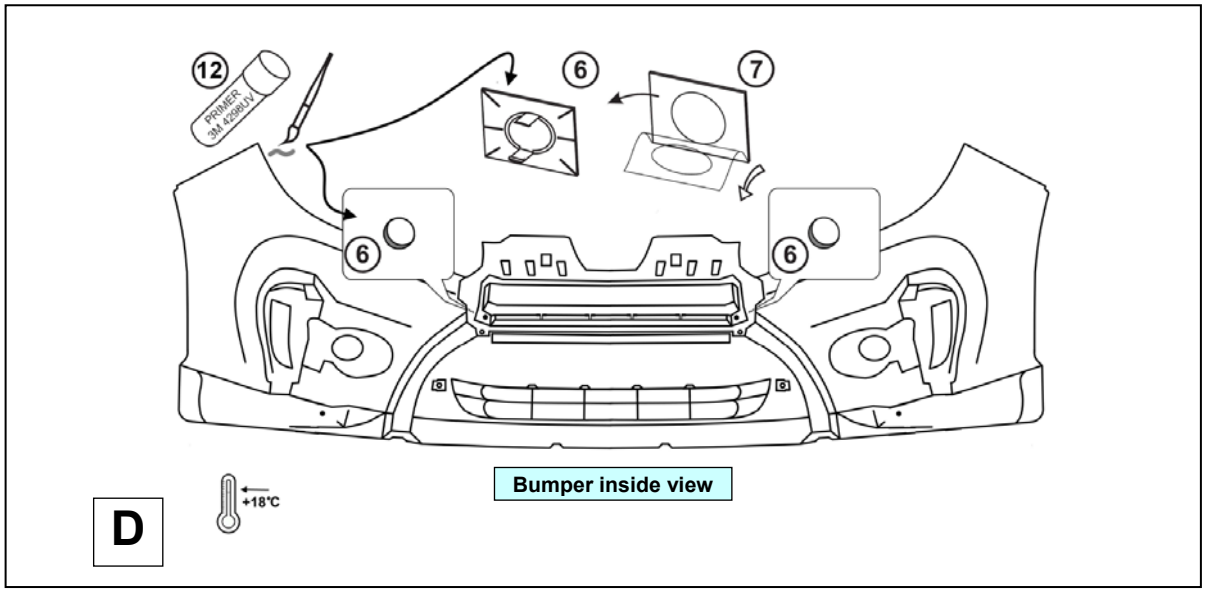
CAUTION

Drill through the factory markings on the inside of the bumper with the following drill bits:

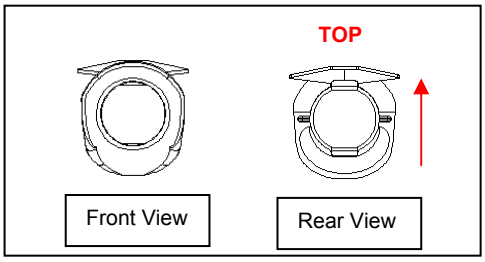
- Central Sensors: 18mm
- Outer Sensors: 26mm

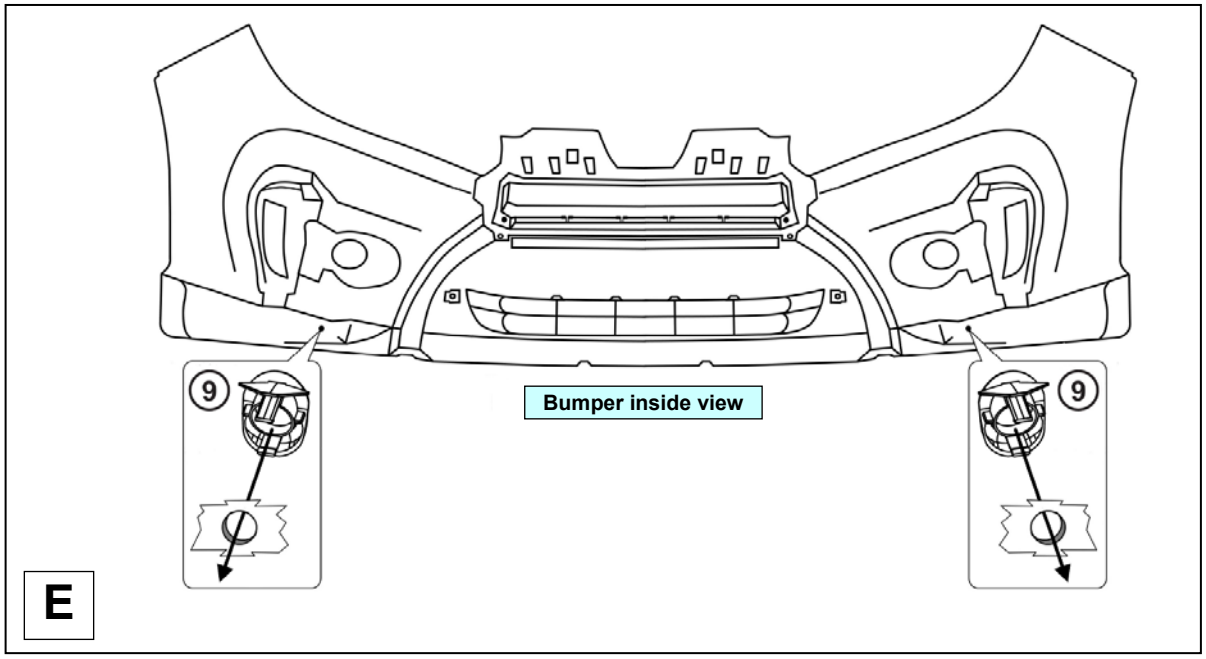


NOTE
Brackets (6): Clean thoroughly the plastic brackets and around the holes, apply “PRIMER” (12), let dry for at least 1 minute and then proceed as illustrated below.



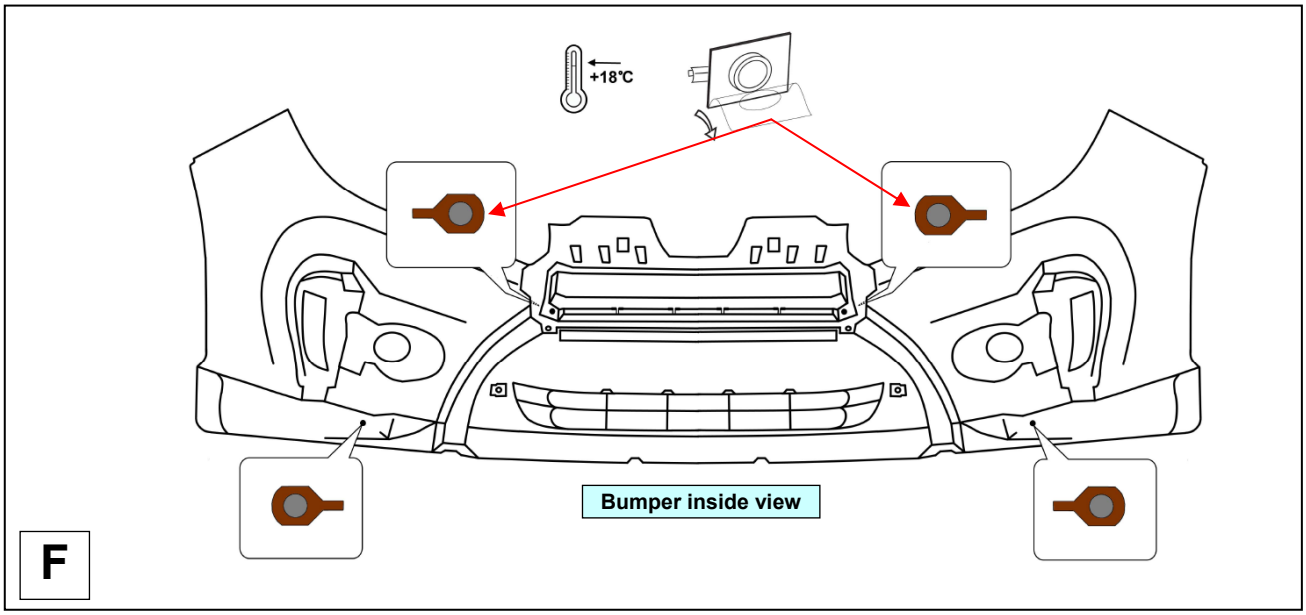
NOTE
Brackets (9): Snap-in type brackets which do not require adhesive pads. Snap the brackets in the holes from the OUTSIDE of the bumper in the appropriate direction as illustrated below.





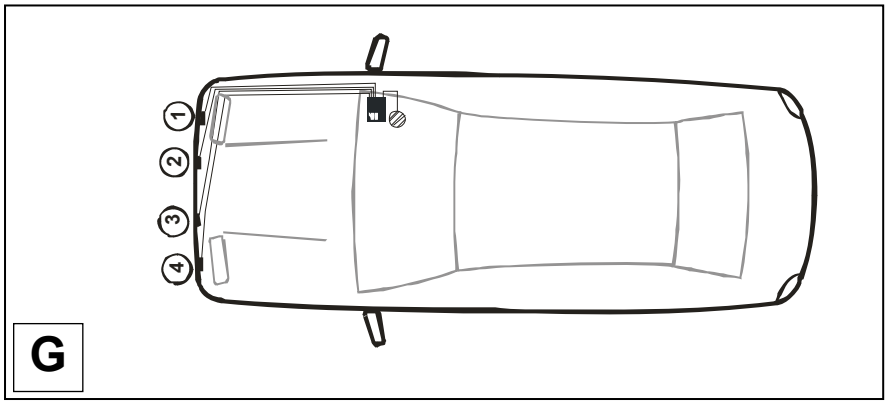
CAUTION

Insert the sensors in brackets (6) and (9) in the appropriate direction as illustrated below.



IMPORTANT

- Sensor 1: shortest cable
- Sensor 4: longest cable



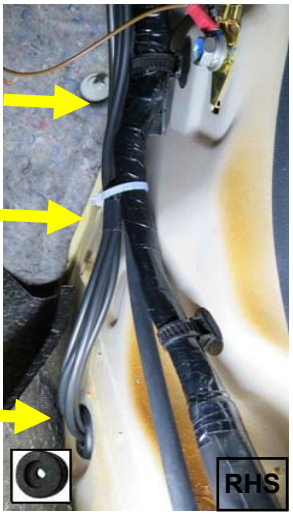
NOTE

Check length of cables before proceeding with final positioning of accessories.

CABLE ROUTING

NOTE

Route wiring through the door sill to the right front inner wheelhouse.



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Inside grommet: 21mm

Outer grommet: 18mm

Inner wheelhouse RHS

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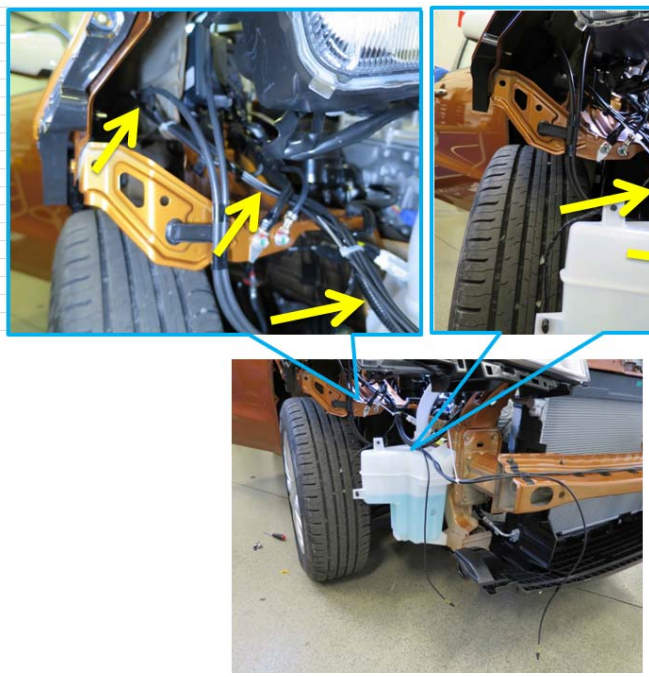

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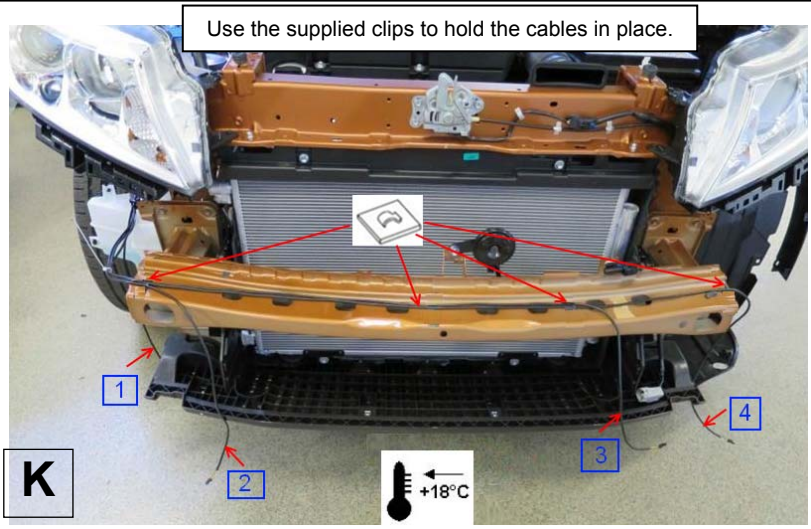

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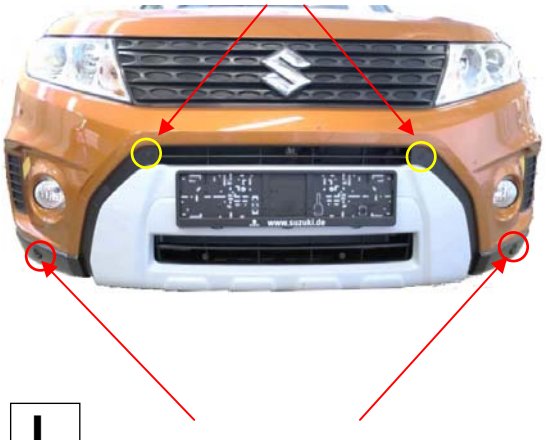

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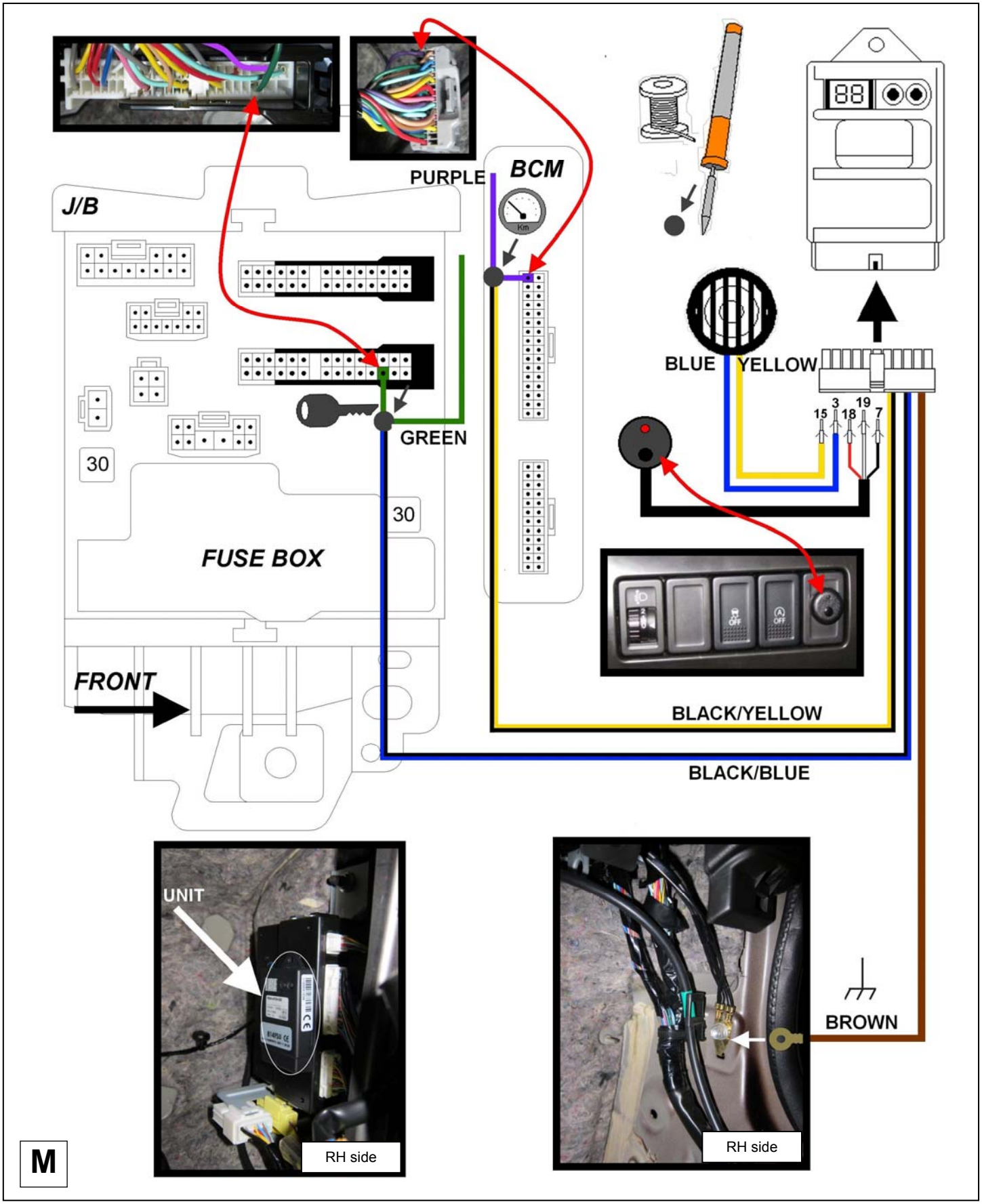
CONTROL UNIT - BUZZER and PUSH-BUTTON WITH LED INDICATOR



NOTE
BUZZER and PUSH-BUTTON with LED indicator can be positioned according to customer request. Make sure the button can be readily seen and easily reached.