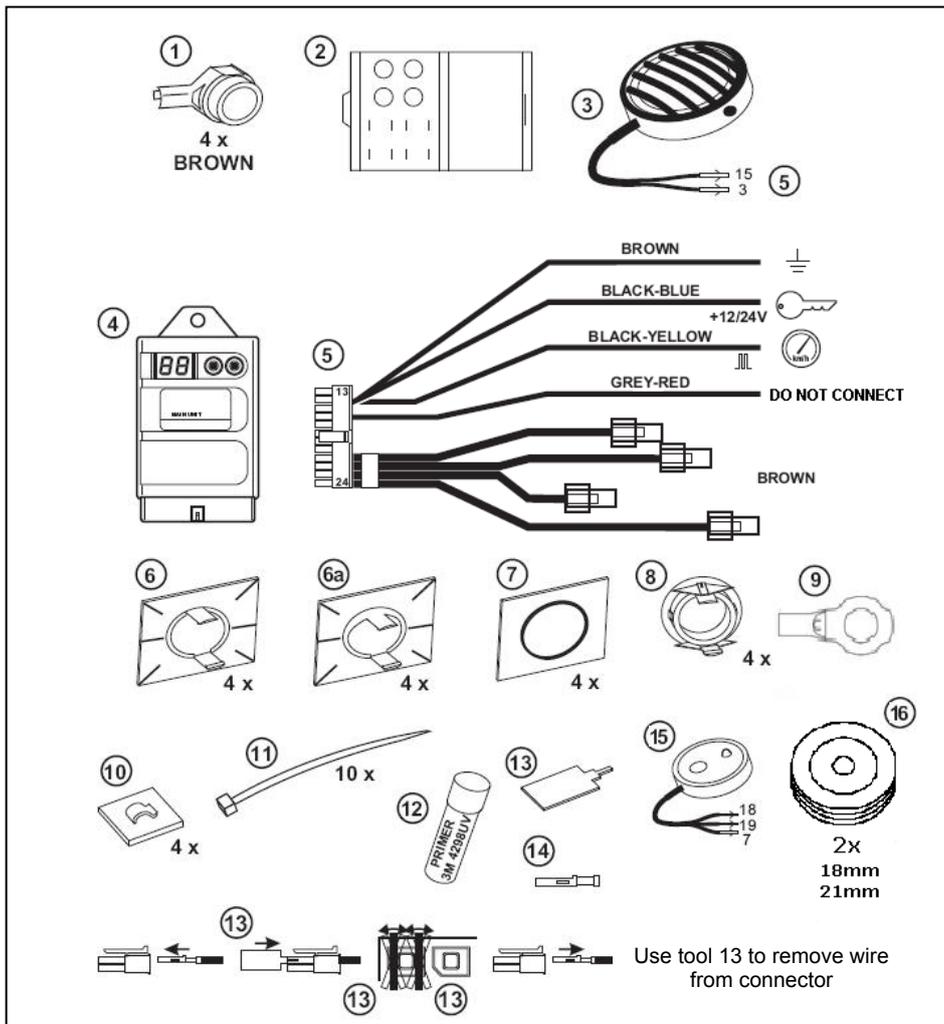


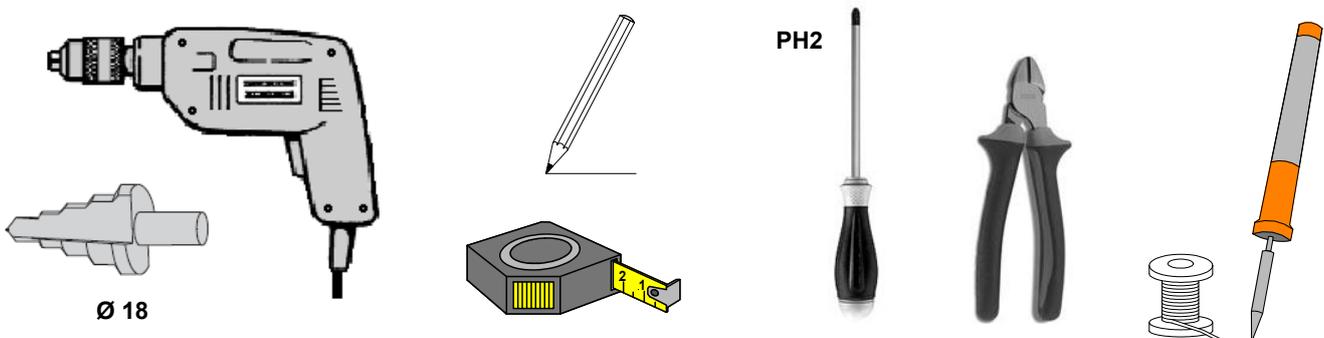
**INSTALLER AND USER INSTRUCTIONS****INSTALLATIONS-UND BEDIENUNGSANLEITUNG****MANUEL INSTALLATEUR ET UTILISATEUR****MANUALE DI INSTALLAZIONE ED USO****MANUAL PARA INSTALADOR Y USUARIO****ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ ΚΑΙ ΧΡΗΣΗΣ**

GB	Description:	Front parking system	Part number:	990E0-68L55-000
	Applications:	<ul style="list-style-type: none">▪ SWIFT AZG & AZH▪ SWIFT SPORT AZG416	Fitting time:	1h
D	Beschreibung:	ParkAssistent vorn	Teile Nr:	990E0-68L55-000
	Verwendung:	<ul style="list-style-type: none">▪ SWIFT AZG & AZH▪ SWIFT SPORT AZG416	Montagezeit:	1h
F	Désignation:	Capteurs de parking avant	N° de code:	990E0-68L55-000
	Utilisations:	<ul style="list-style-type: none">▪ SWIFT AZG & AZH▪ SWIFT SPORT AZG416	Temps de montage:	1h
I	Descrizione:	Sensori di parcheggio anteriori	Numero di codice:	990E0-68L55-000
	Applicazioni:	<ul style="list-style-type: none">▪ SWIFT AZG & AZH▪ SWIFT SPORT AZG416	Tempo d'installazione:	1h
E	Descripción:	Sensores de aparcamiento delanteros	Código:	990E0-68L55-000
	Aplicación:	<ul style="list-style-type: none">▪ SWIFT AZG & AZH▪ SWIFT SPORT AZG416	Tiempo de instalación:	1h
GR	Περιγραφή:	Εμπρόσθιοι αισθητήρες στάθμευσης	αρ. κωδικού:	990E0-68L55-000
	Εφαρμογές:	<ul style="list-style-type: none">▪ SWIFT AZG & AZH▪ SWIFT SPORT AZG416	Χρόνος εγκατάστασης:	1h

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.
2. Be careful not to damage any vehicle part.
3. Make sure all the parts are included in the kit as shown in the "Set Contents" section.
4. **Follow the instructions relative to the vehicle model.**

CAUTION

Please read this manual and follow its instructions carefully. To emphasize special information, the safety symbol  and signal words WARNING, CAUTION and NOTE have been used. Pay special attention to the sections marked by 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.
REMARK	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 3 & 4 BELOW FOR YOUR CUSTOMER**

⚠ WARNING

- Remember to always look around the vehicle while parking.
- The parking system is designed only as a parking aid, it should not be considered to replace care and attentiveness while manoeuvring. Always check your wing mirrors and rear view mirrors while reversing and keep a slow speed to avoid unexpected hazards.
- 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 → LED lights up to confirm activation. Sensors stay ON until the vehicle speed stays under approximately 12 km/h. When speed exceeds 12 km/h, the front sensors are 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 (about 1 second) → sensors are disabled until the button is pressed again.
- Long-press (hold for about 5 seconds until you hear a beep) → sensors remain disabled until ignition is turned OFF and ON again.

Detection of obstacles is signaled 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.

N.B. 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 to inform that ALL the sensors are inoperative because of the low power supply.

The driver will therefore know that he will have to do without the parking sensors.

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

REMARK

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

REMARK

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.

REMARK

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.

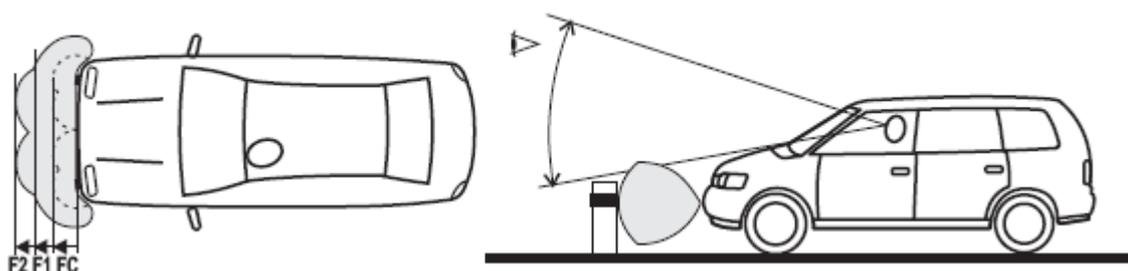
6. DETECTION ZONES

Detection zones are indicated as “F” (Front) “F1” and “F2”. The stage-by-stage sound alert will vary according to the detection zone.

Detection zones closest to the obstacle are indicated as “FC”.

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 the Warranty Directive 1999/44/CE (L.D. N° 24 dated 02/02/2002); if these documents are not available, warranty will start from 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 with system ON	200mA max.
Operating temperature range	-30°C / +70°C
Ultrasonic frequency	40 Khz

9. PROGRAMMING

CAUTION

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

The display will indicate:



FS: Factory Setting, default settings for **Swift "AZG&AZH"** and **Swift Sport "AZG416"**.



CS: Custom Setting, user-chosen adjustment.

Below is an example showing how to activate the programming procedure:

Press one of the two push-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 push-button to select the previous parameter.



Press the RIGHT push-button to proceed to the next parameter.



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



Press the LEFT push-button to decrease parameter value.



Press the RIGHT push-button to increase parameter value.



Press one of the two push-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 within 10 seconds, the system will exit programming mode.



REMARK

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

10. SETTING OF PARAMETERS

CAUTION

The system is factory configured for **Swift "AZG&AZH"** and **Swift Sport "AZG416"**. Modify default settings only if strictly necessary!

Par.	Parameter Description	Range	Default Settings
01	Volume of buzzer	0, 1, 2 (Ref.1)	2
02	Detection range - inner sensors	50 - 95 cm	90
03	Detection range - corner sensors	50 - 95 cm	65
06	STOP zone - inner sensors	35 - 50 cm	50
07	STOP zone - corner sensors	35 - 50 cm	35
11	Number of speed signal pulses	1 - 99	2
12	Delay of front 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 to detect obstacles	1, 2, 3 (Ref.5)	2

Ref.1: 0 = deactivated, 1 = low, 2 = high

Ref.2: by setting "00", the system is activated every time ignition is turned ON; to disable the system, press the button on the LED receptacle. Press again to turn it back ON.

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

11. TESTING

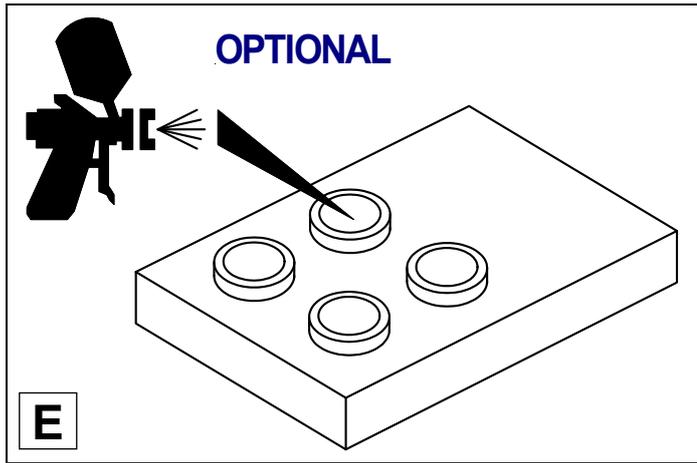
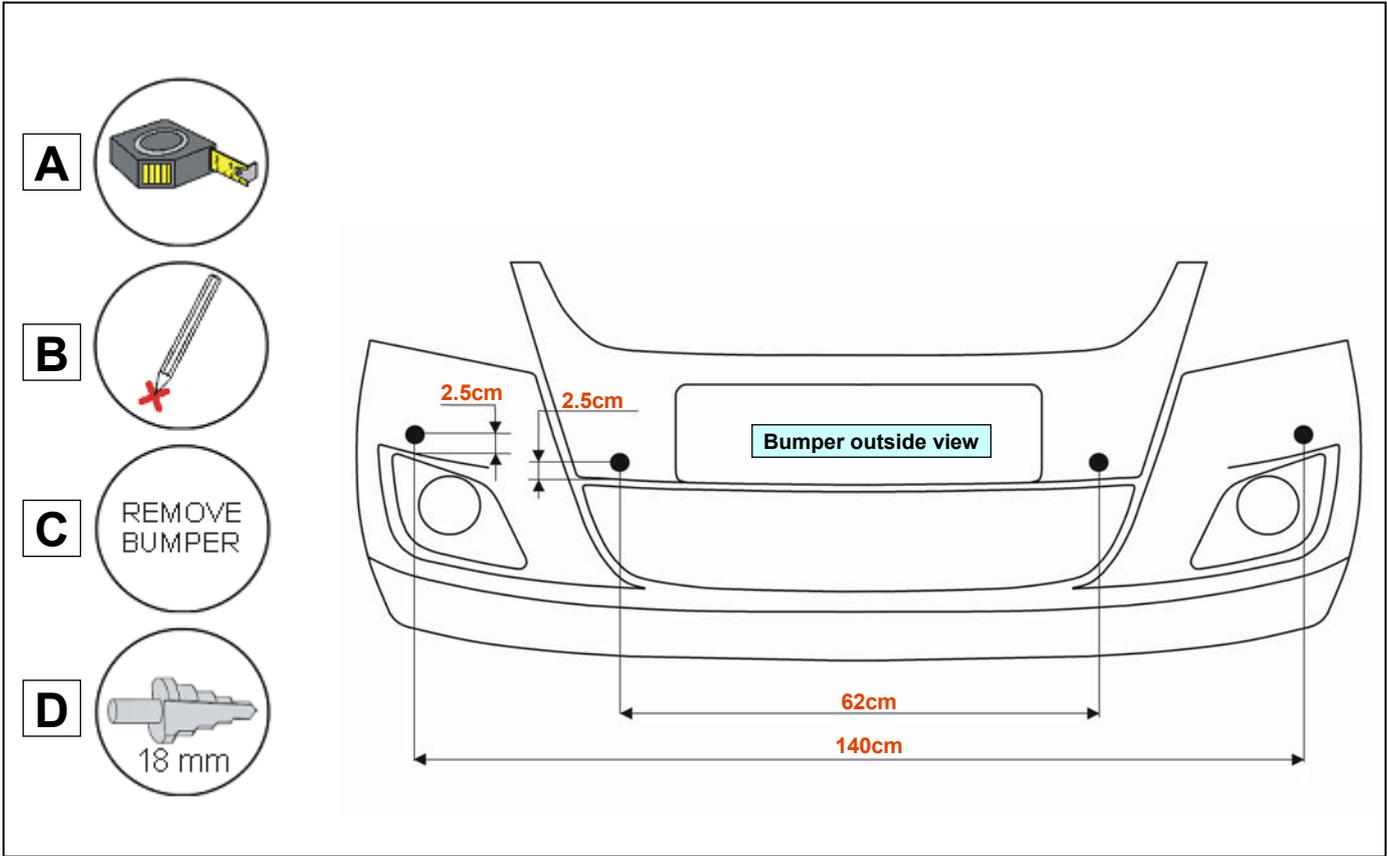
- a. Enter in programming mode by pressing and holding for at least 2 sec. one of the two push-buttons on the control unit (4).
- b. Select parameter "15" (see "Setting of parameters").
- c. Press and hold one of the two push-buttons and select test: "1" to test sensors or "3" to detect speed.
- d. Press and keep pressed one of the two push-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 complete, press one of the two push-buttons and keep it pressed until the previously selected parameter (15) is displayed.
- h. The system will automatically exit programming mode 10 seconds after the push-button has been pressed.

12. 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.

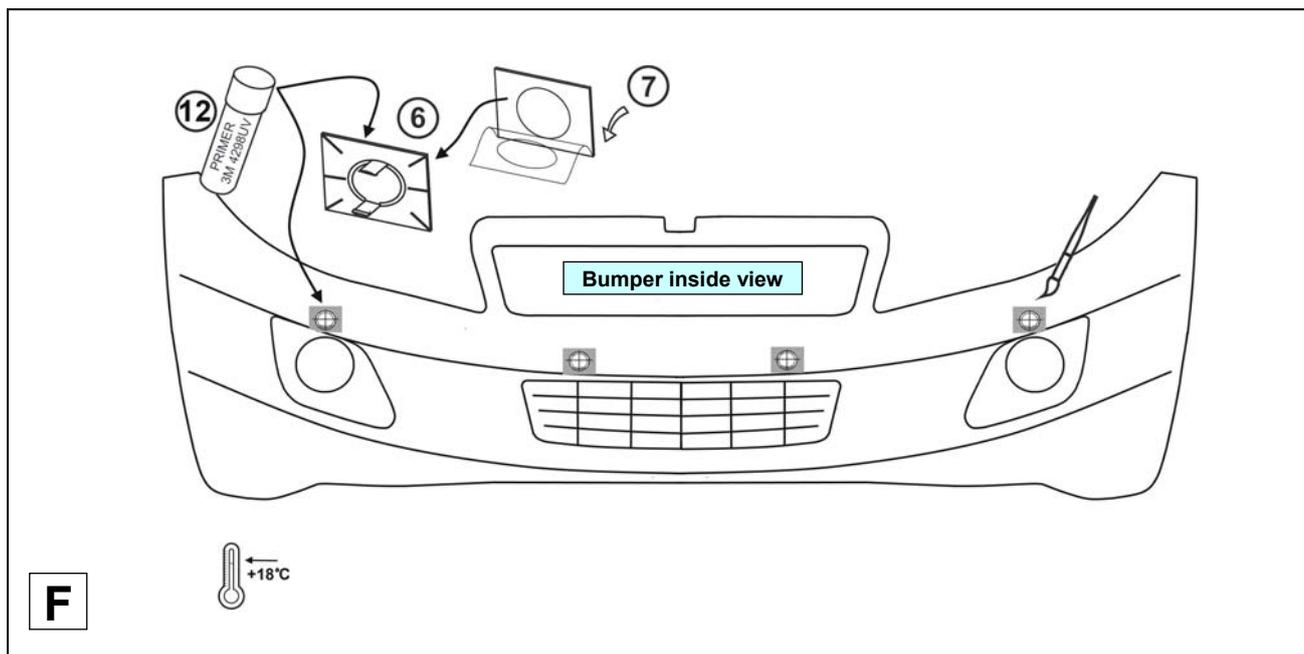
INSTALLATION PROCEDURE
BE SURE TO FOLLOW THE INSTRUCTIONS RELATIVE TO YOUR VEHICLE MODEL

FITTING INSTRUCTIONS - SWIFT AZG & AZH

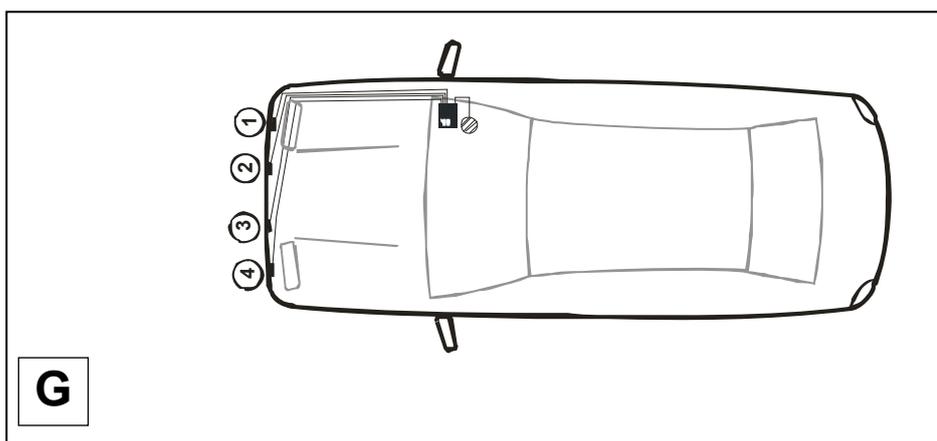


CAUTION

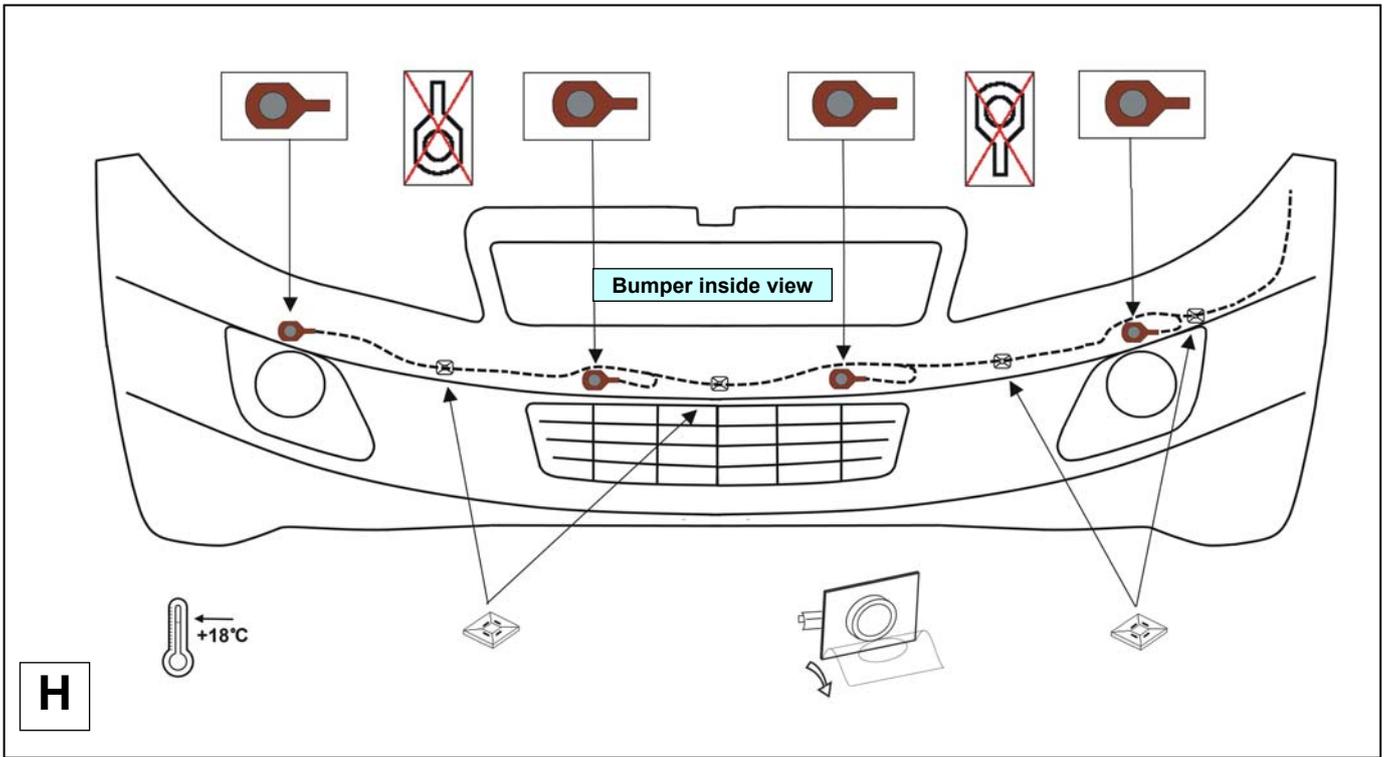
Clean thoroughly the plastic brackets (6) and around the holes, apply "PRIMER" (12), let dry for at least one minute and then proceed as illustrated below.

**IMPORTANT**

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

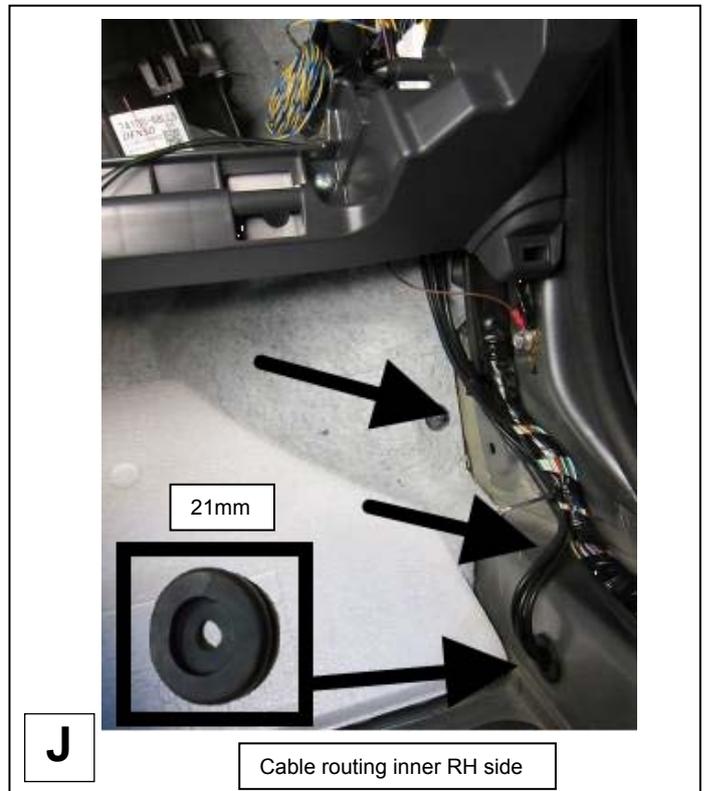
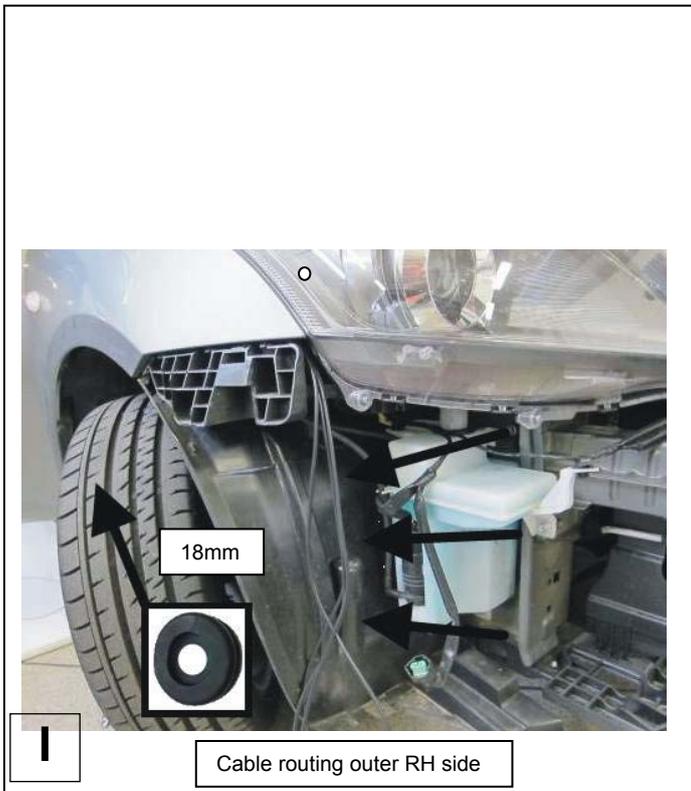
**REMARK**

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



CABLE ROUTING (ENGINE BAY)

CABLE ROUTING (VEHICLE CABIN)

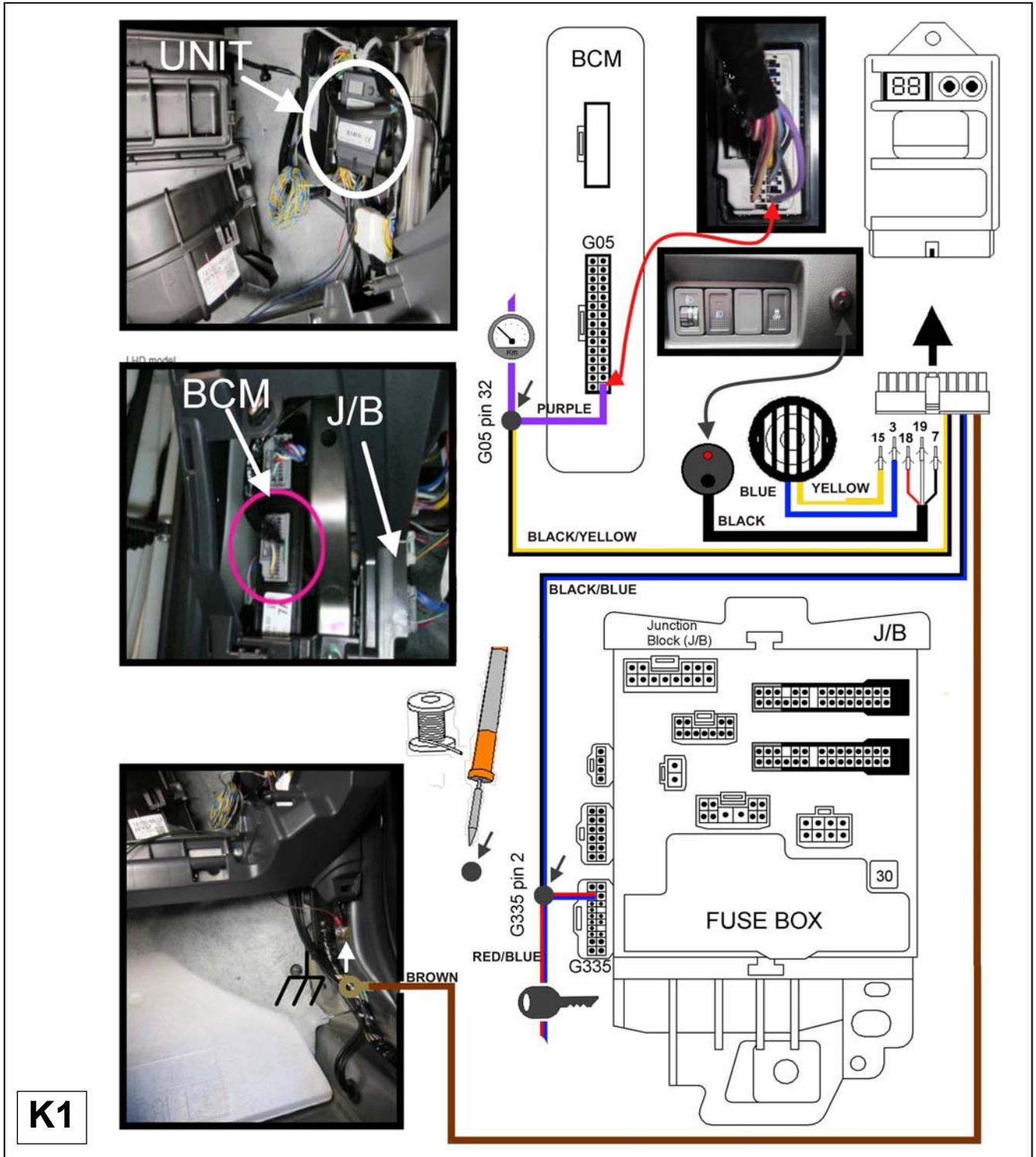


CONTROL UNIT - BUZZER and PUSH-BUTTON WITH LED INDICATOR

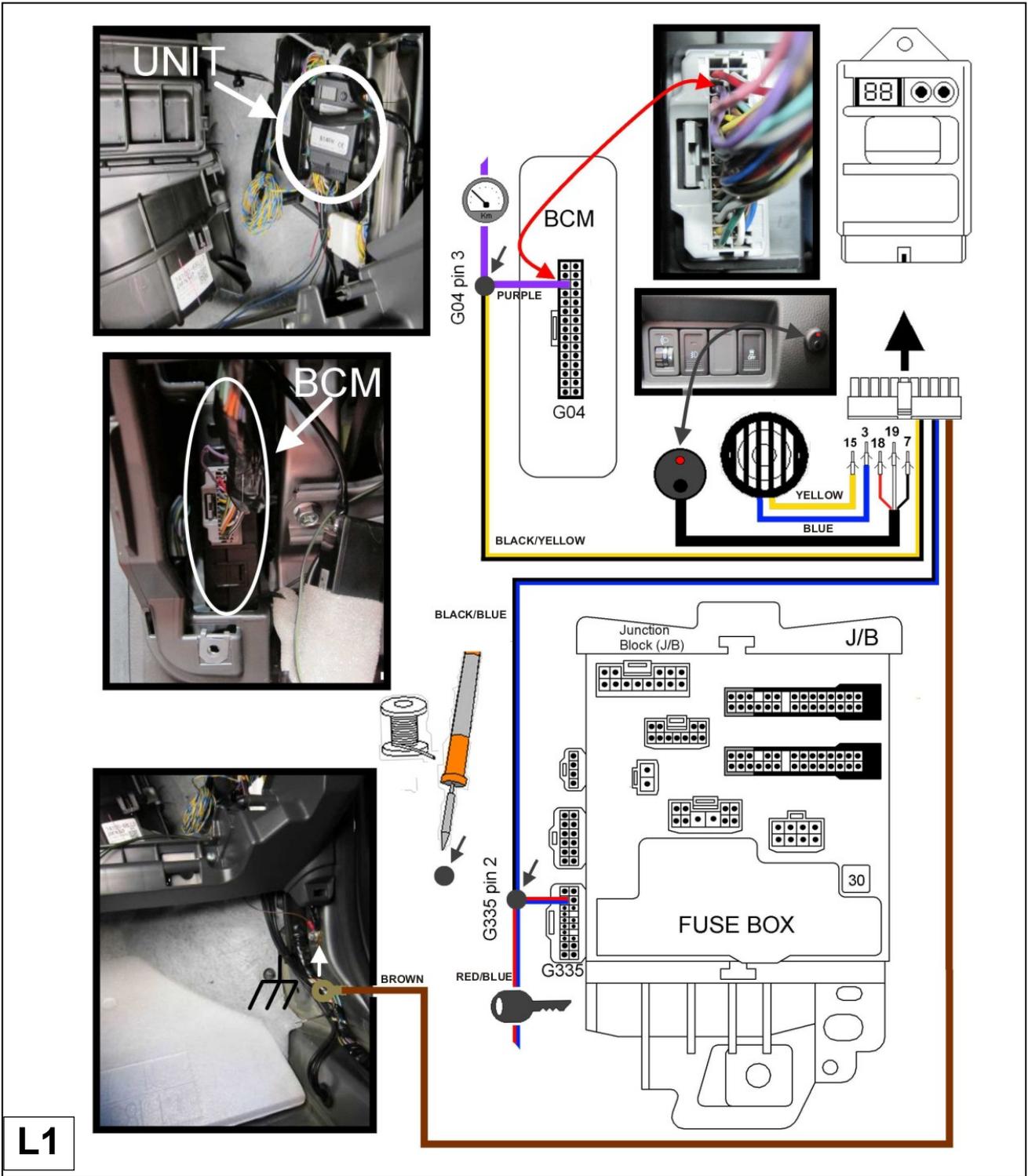
REMARK

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

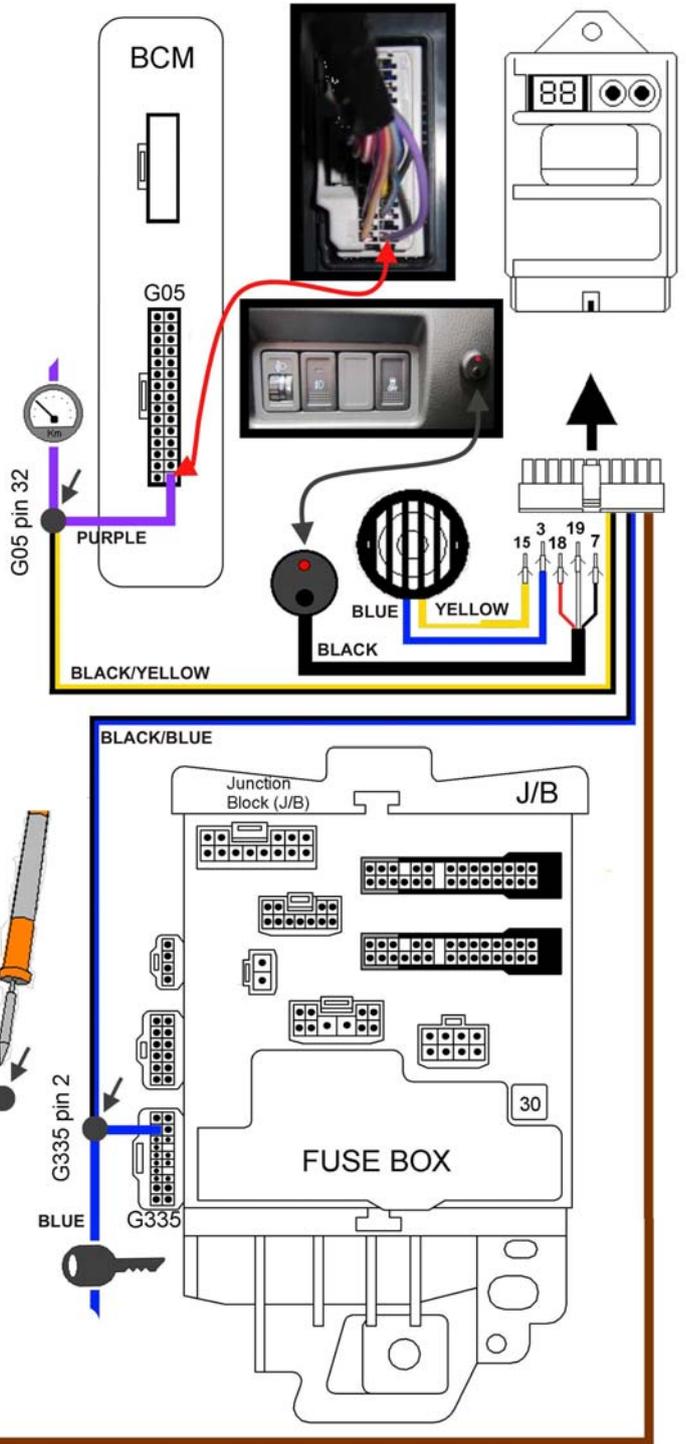
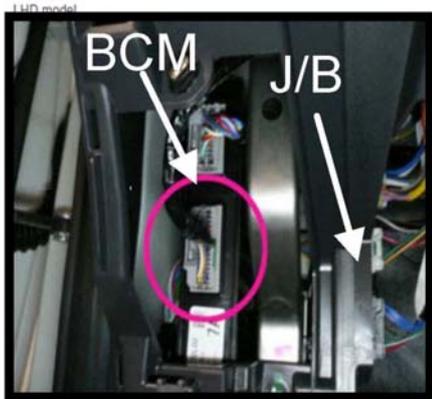
KEYLESS GO "SWIFT AZG"



KEYLESS ENTRY "SWIFT AZG"

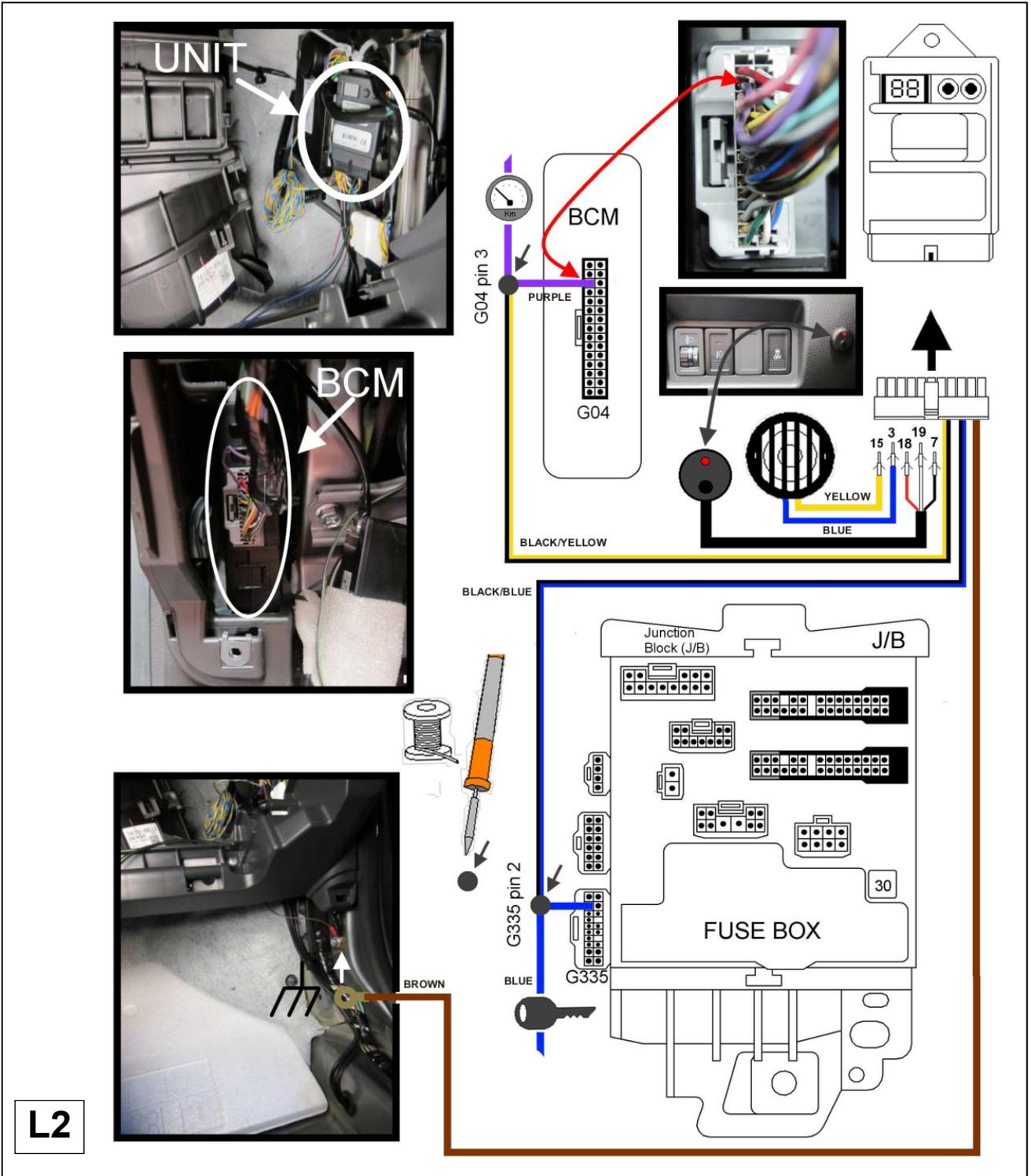


KEYLESS GO "SWIFT AZH"

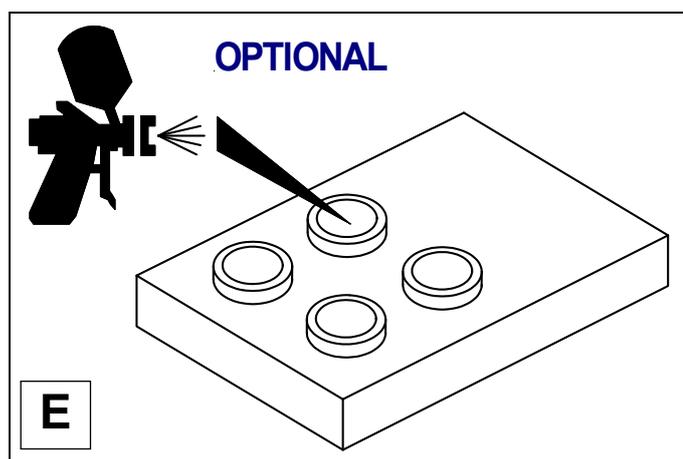
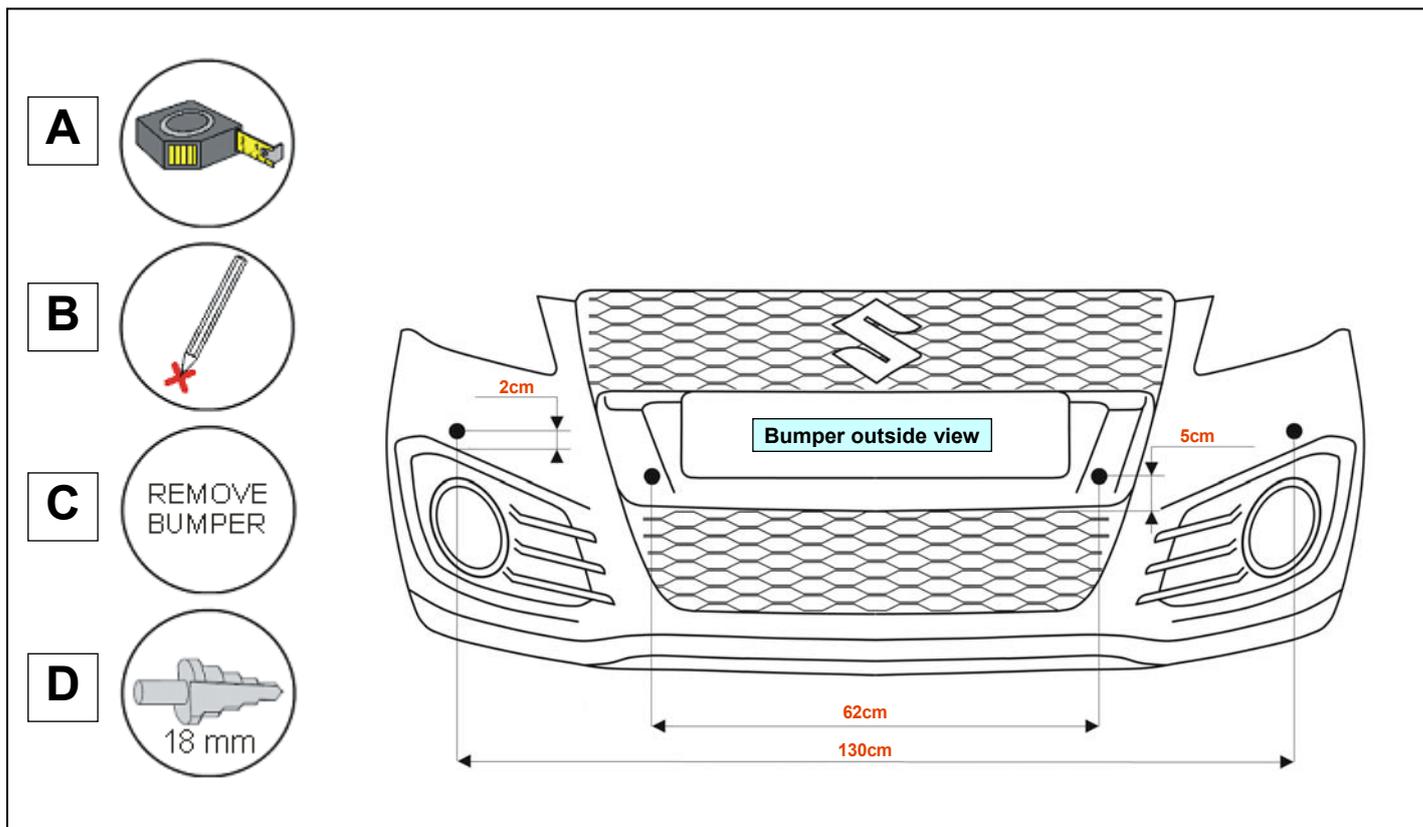


K2

KEYLESS ENTRY "SWIFT AZH"

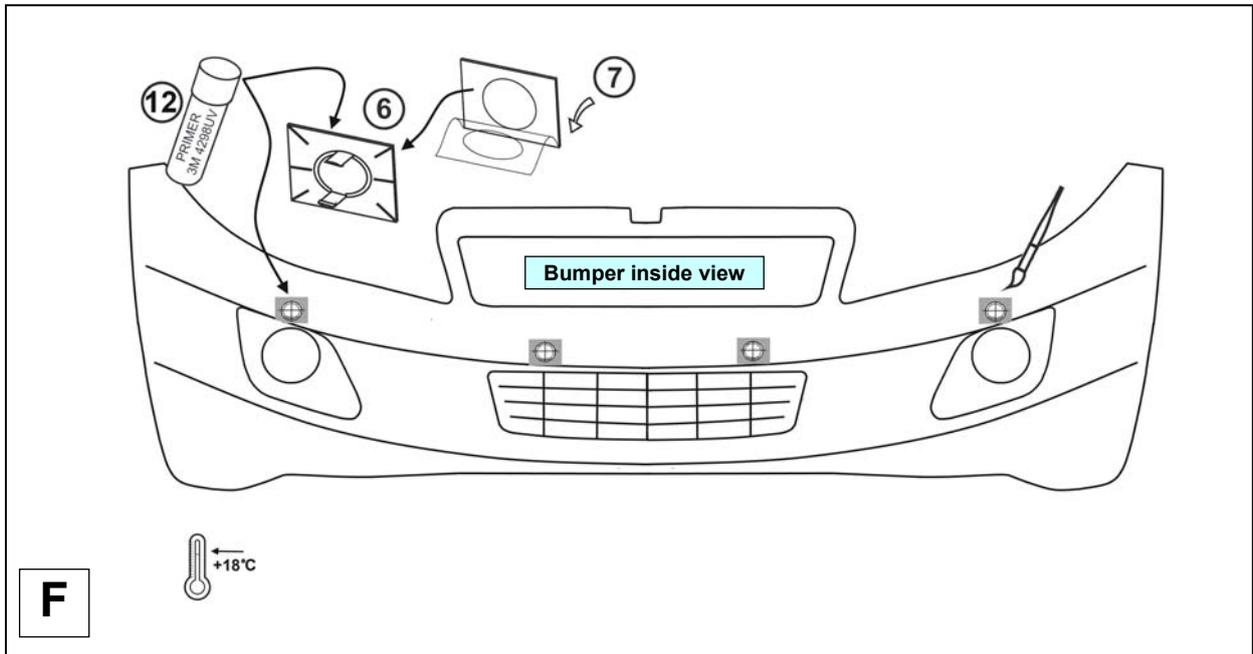


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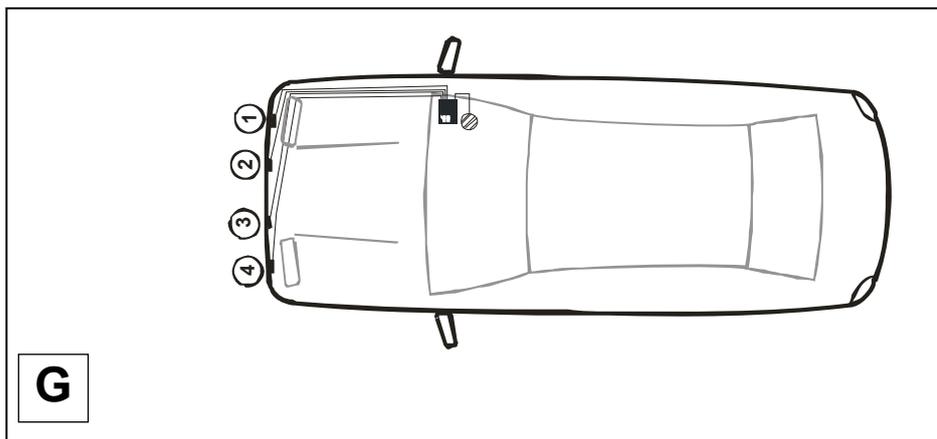


CAUTION

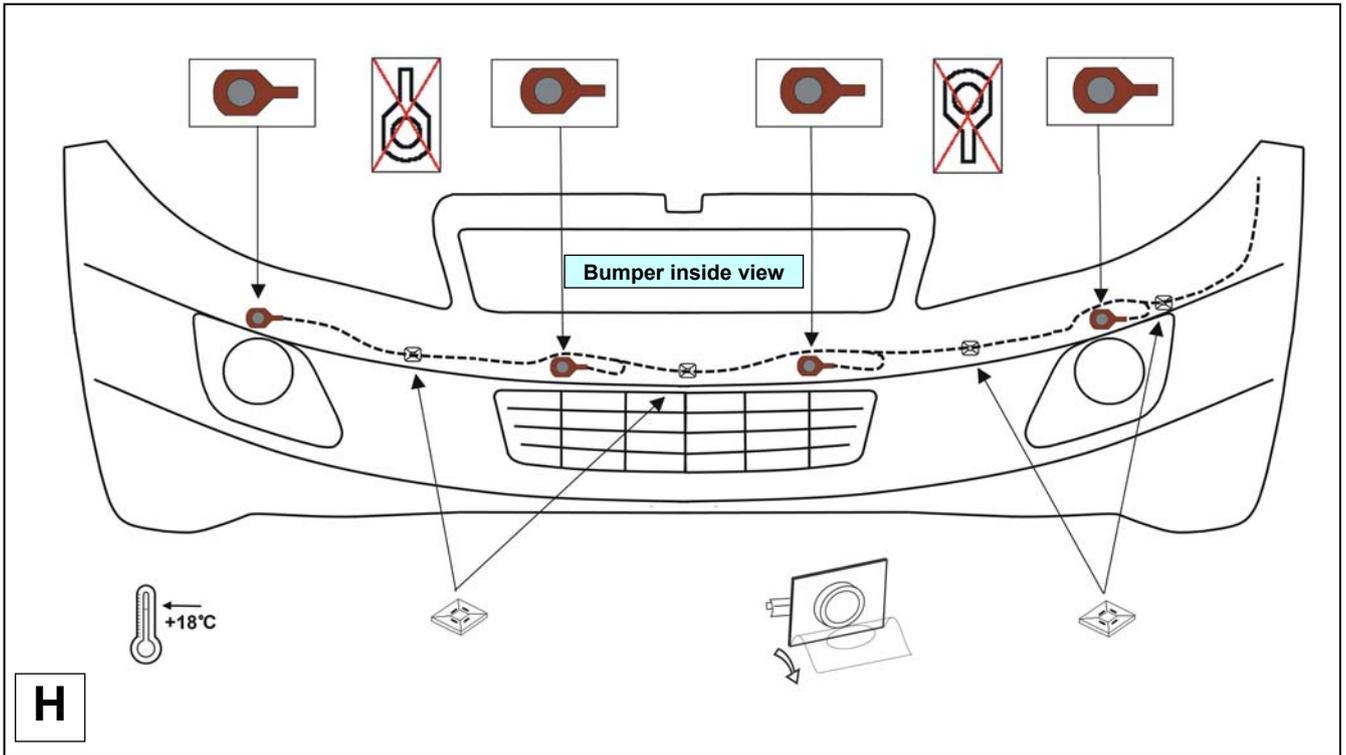
Clean thoroughly the plastic brackets (6) and around the holes, apply "PRIMER" (12), let dry for at least one minute and then proceed as illustrated below.

**IMPORTANT**

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- Sensor 4: longest cable

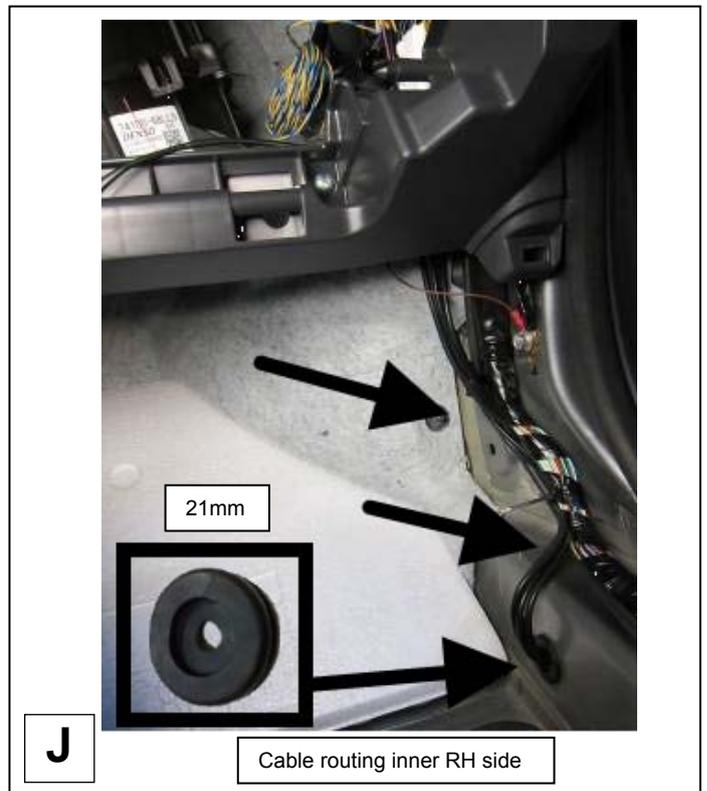
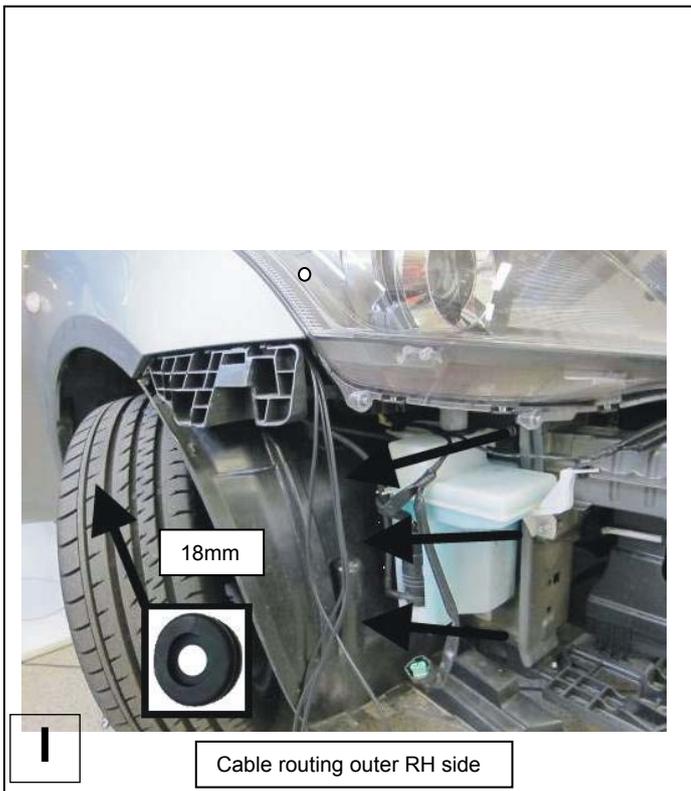
**REMARK**

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



CABLE ROUTING (ENGINE BAY)

CABLE ROUTING (VEHICLE CABIN)

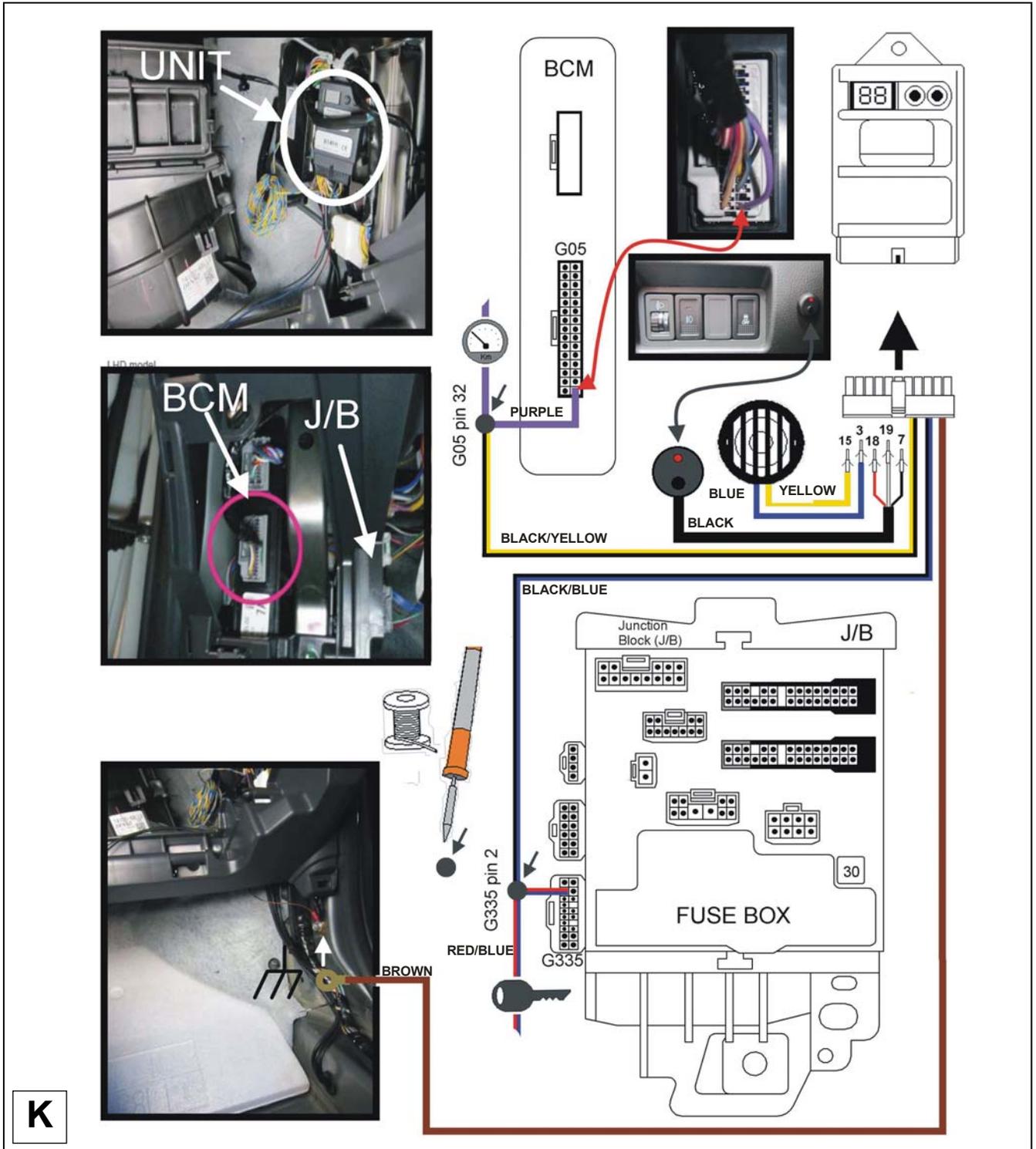


CONTROL UNIT - BUZZER and PUSH-BUTTON WITH LED INDICATOR

REMARK

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

KEYLESS GO "SWIFT SPORT AZG416"



KEYLESS ENTRY "SWIFT SPORT AZG416"

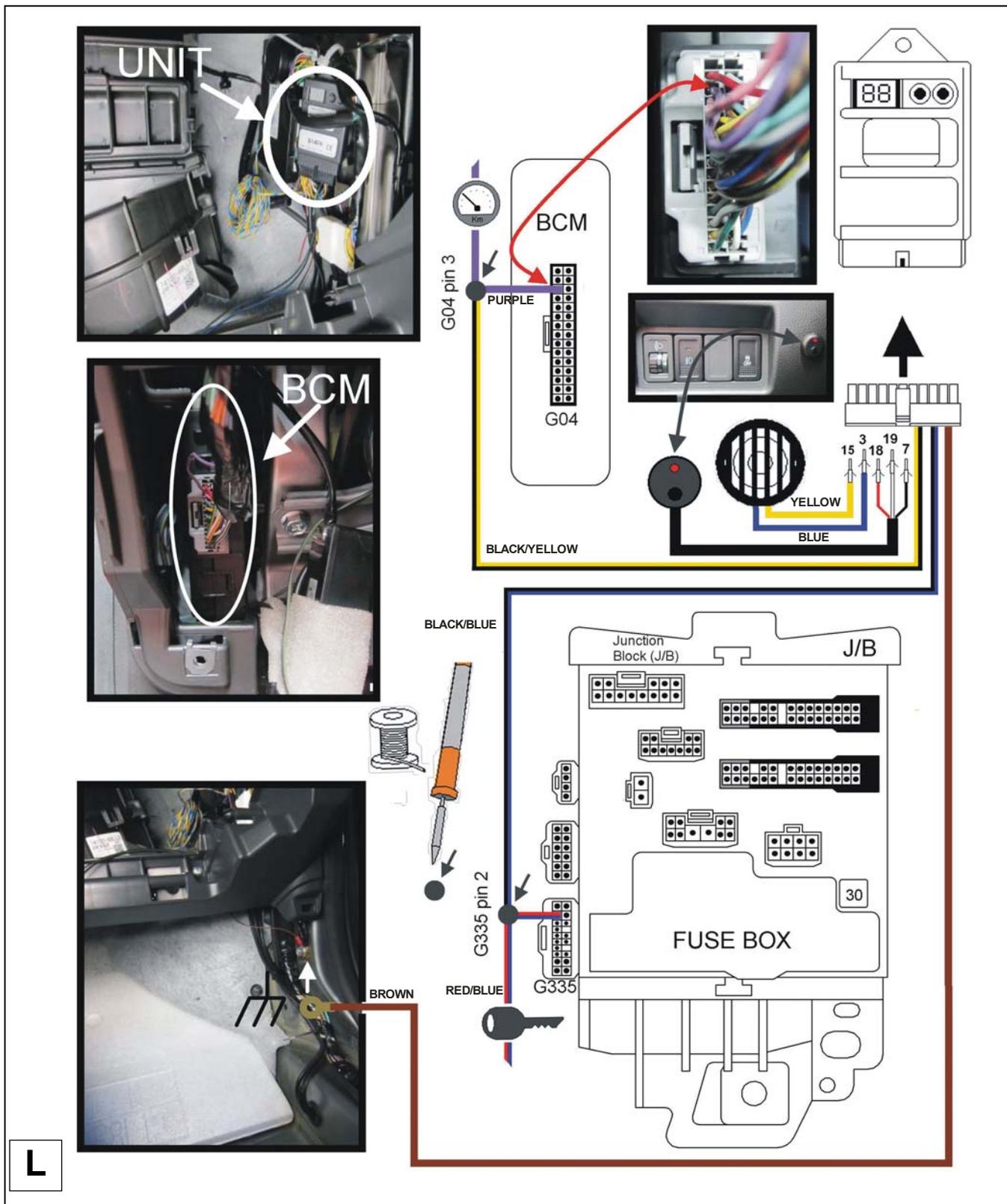


PLATE ADJUSTMENT FOR ALL MODELS

REMARK

To avoid false detections due to the fact that the sensors read large license plates as an obstacle, slightly bend the outer edges of the plate to align them with the bumper.

STANDARD PLATE FITTING



PLATE SLIGHTLY BENT TO MINIMIZE GAP

