

# IVECO



## Era - Glonass KIT Implementation

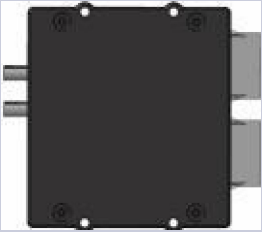



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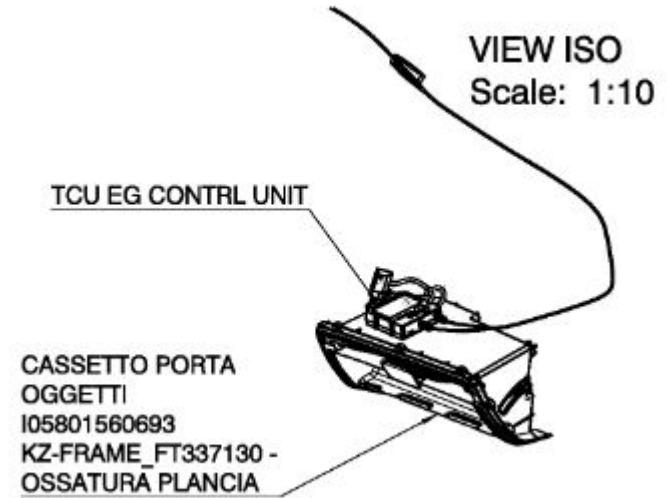
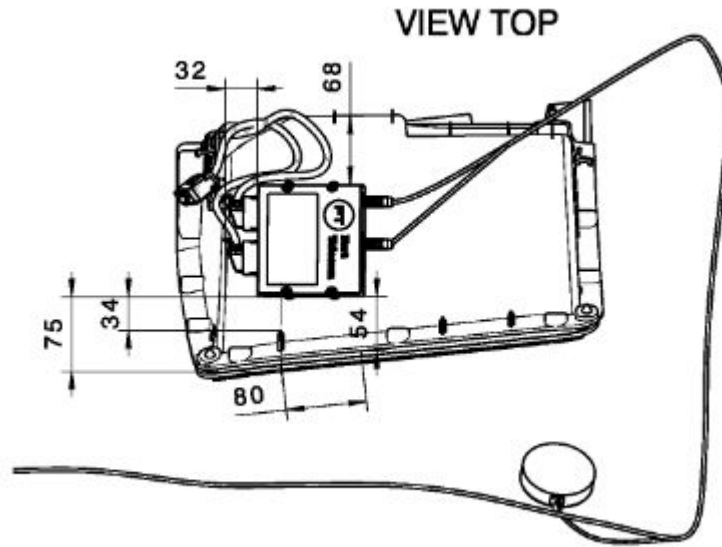
- A. ERA Glonass Kit Description
- B. ERA Glonass opt & CCM Refurbishing Description
- C. Kit Modifications Imposed by Official Market Supplier
- D. Homologation Process
- E. ICCD Codification
- F. Next Steps

# ERA Glonass Kit Description – Components List

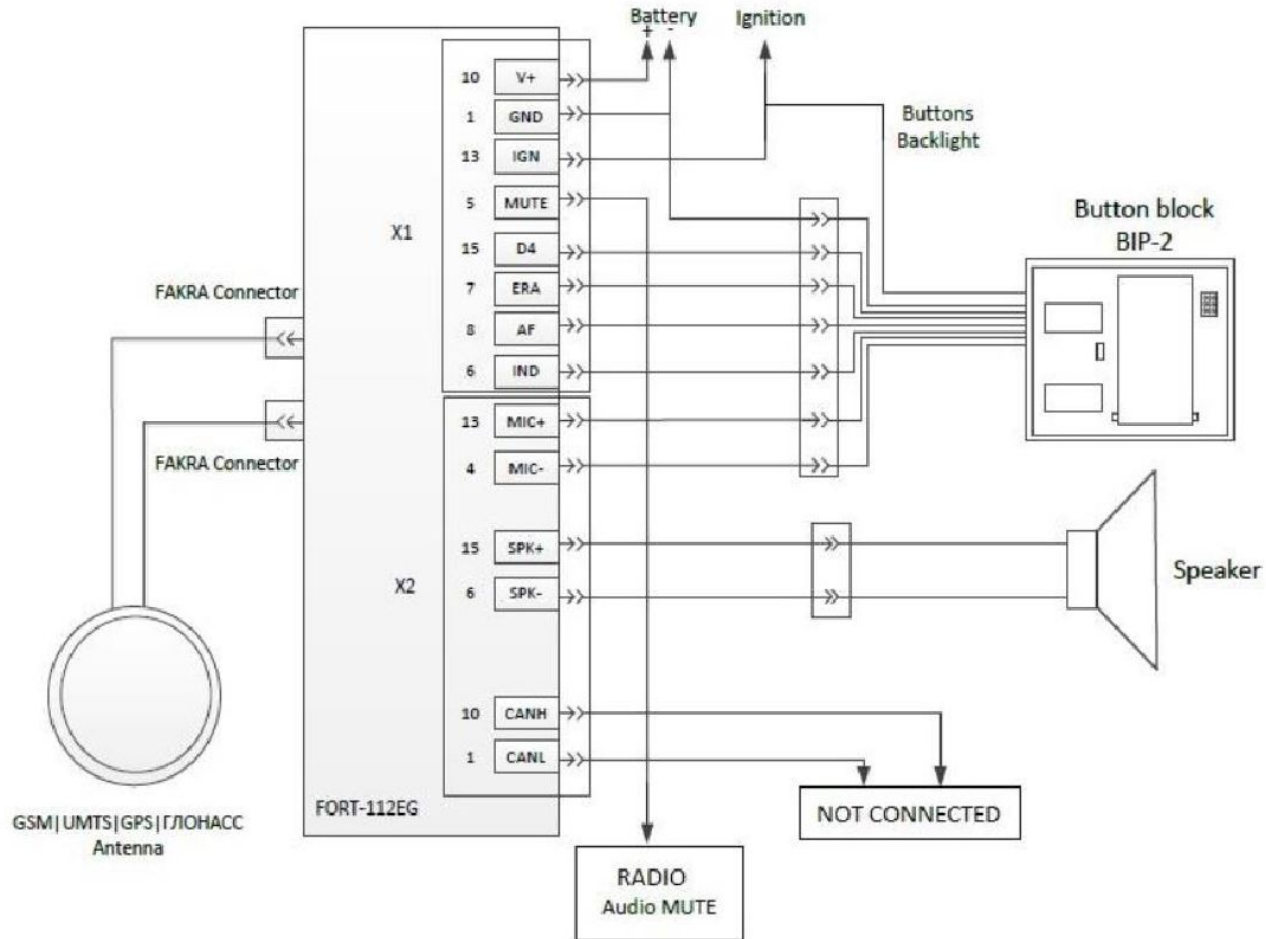
Component	Feature	Function
	TCU EG (Control Unit)	ECU ERA Glonass
	GPS / GSM Antenna Module	Communication Localization
	Speaker	Voice
	Button Block	Emergency Call SOS
	Wirings & Fastenings	

# TCU EG (Control Unit)

## Component Description

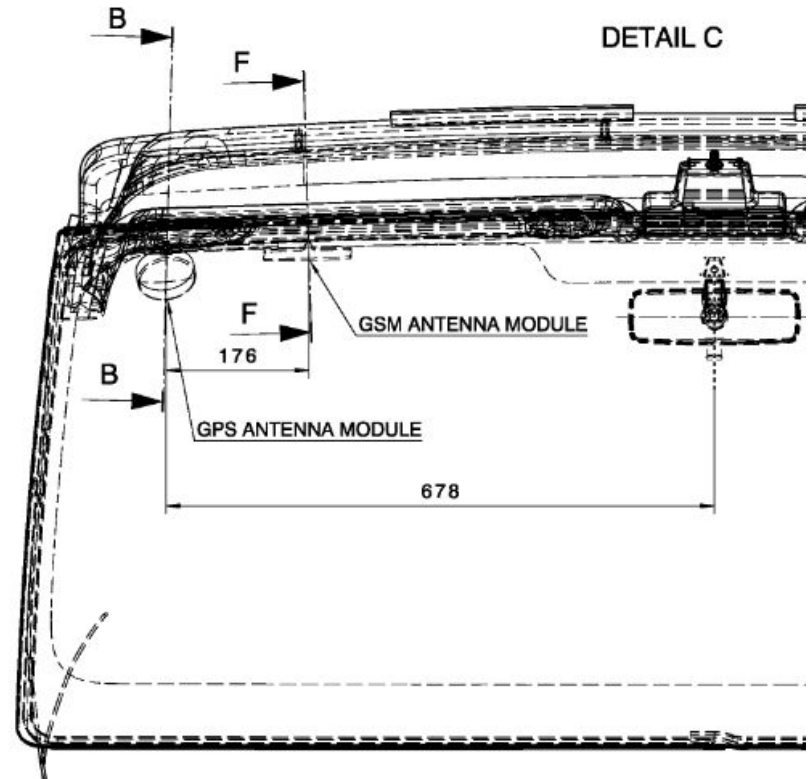


# Complete Connections Scheme of TCU EG with devices

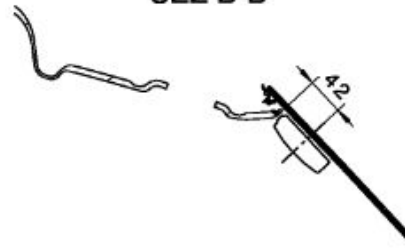


# GPS / GSM Antenna Module

VIEW ISO  
Scale: 1:15



SEZ B-B

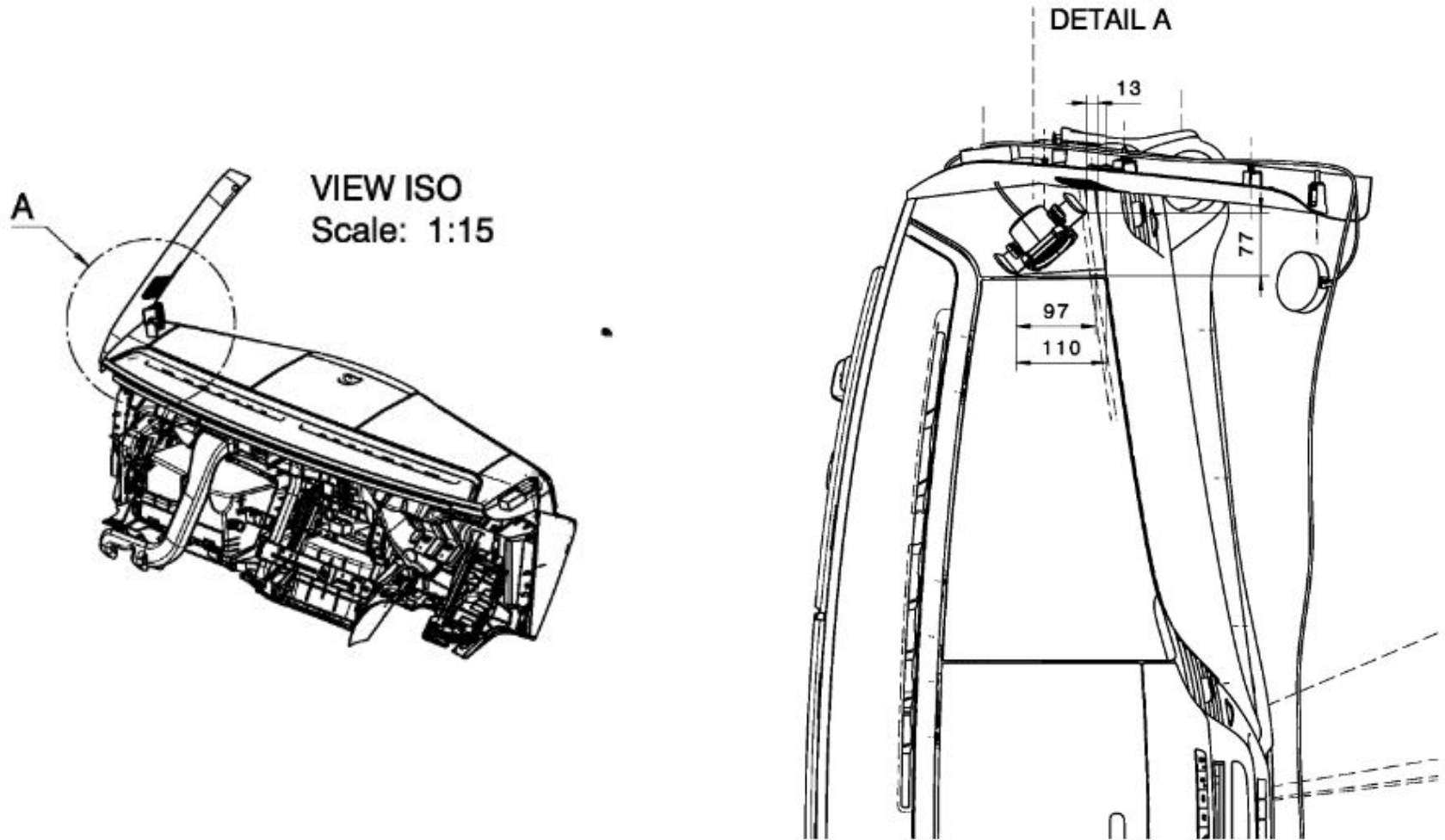


Sezione F-F



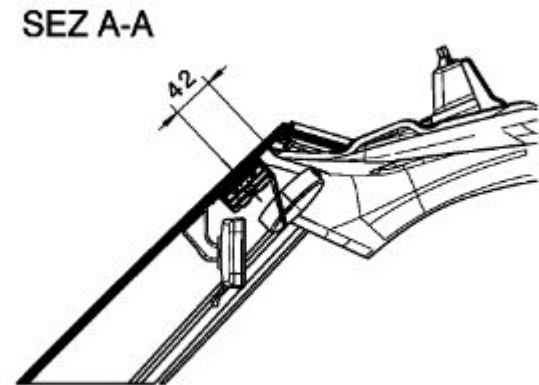
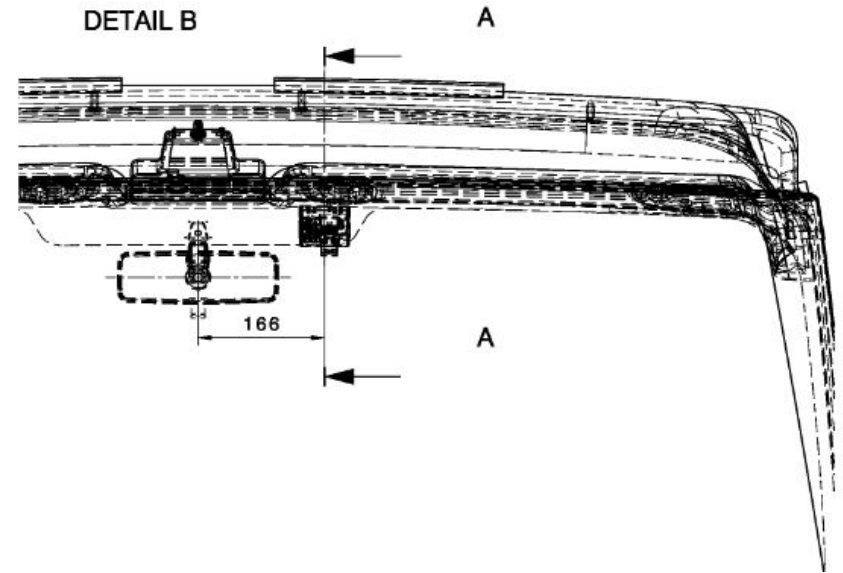
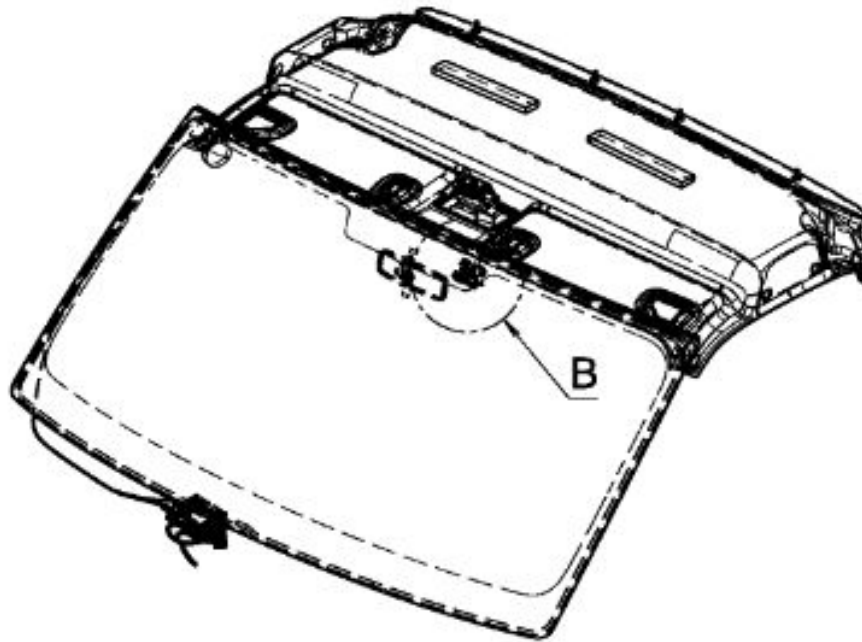
# Speaker

Previous solution, currently assembled on vehicles ex factory



# Button Block

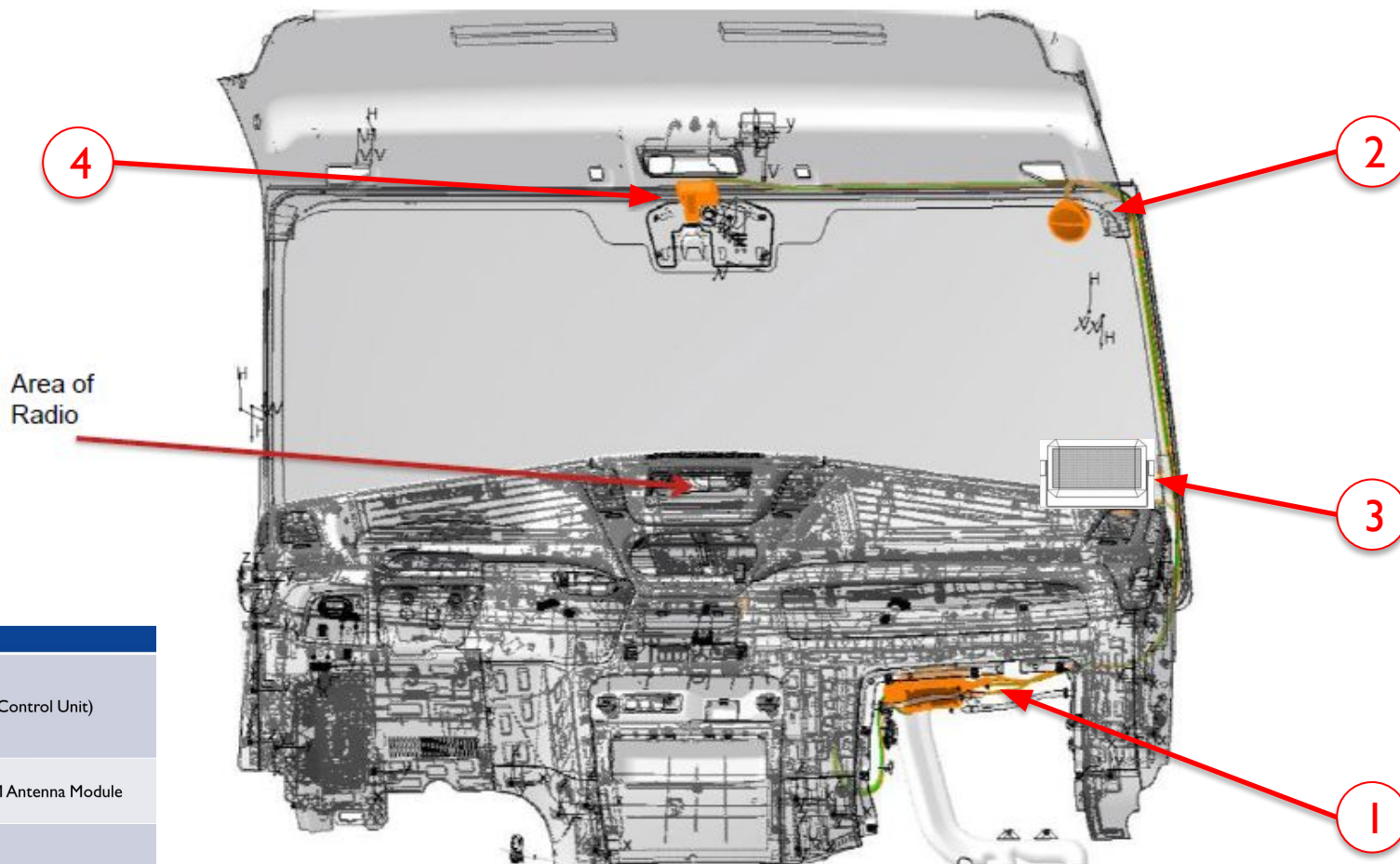
VIEW ISO  
Scale: 1:15









# ERA Glonass Kit Description

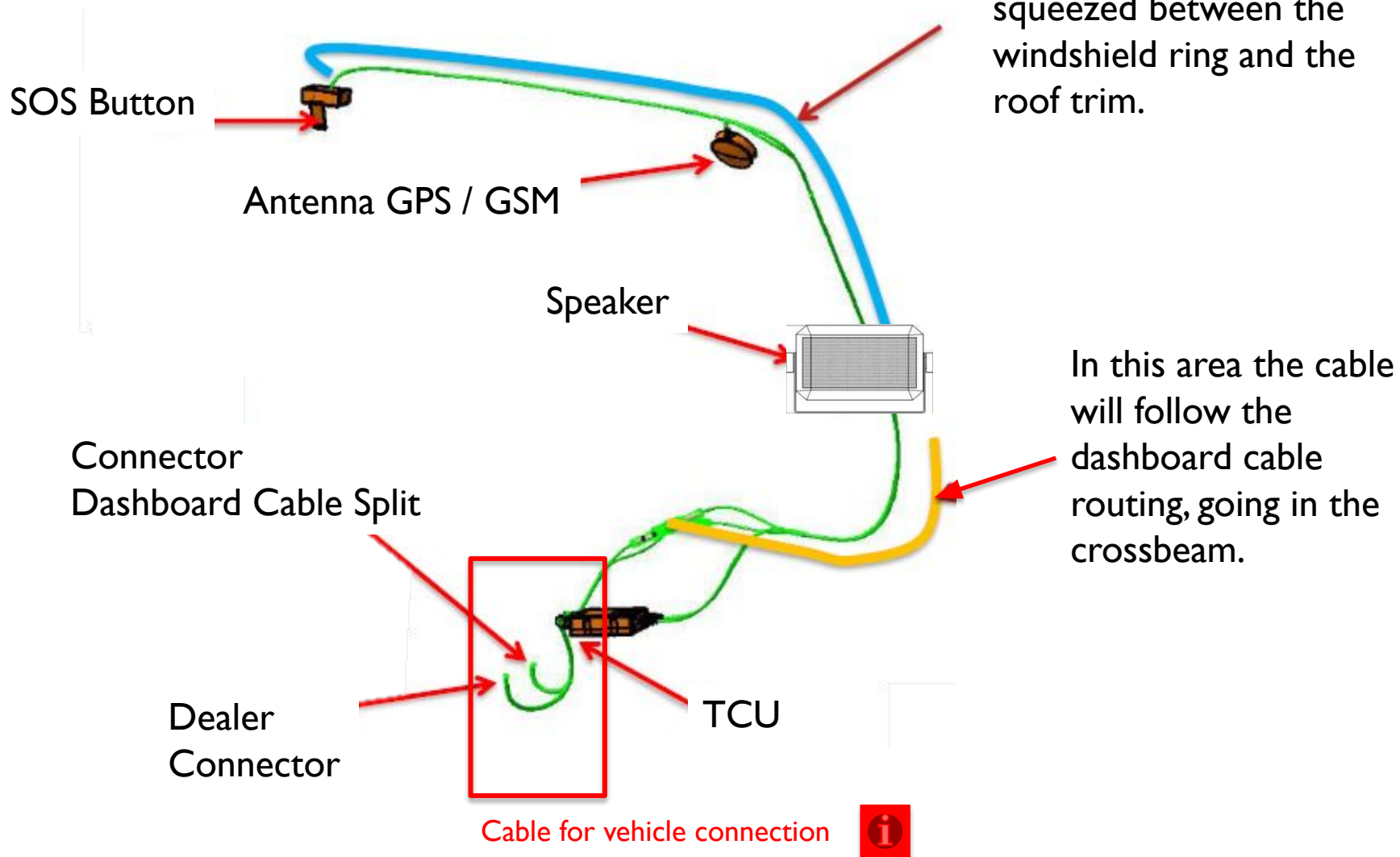
## Global View Of Installation



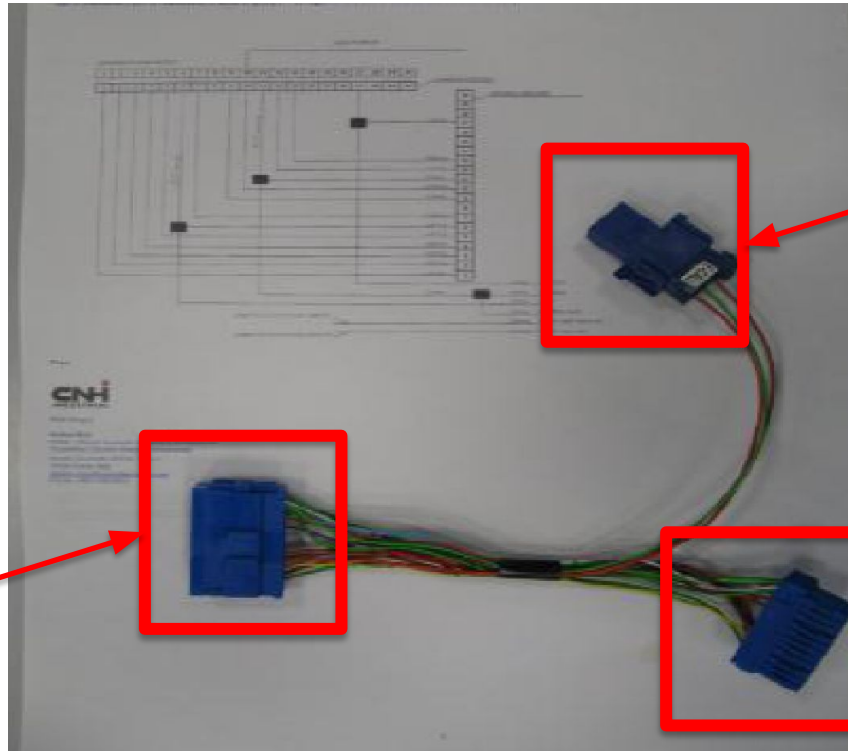
Component	Feature
1	 TCU EG (Control Unit)
2	 GPS / GSM Antenna Module
3	 Speaker
4	 Button Block

# Components Installation

## Cable Routing



# Specific Cable to connect the system with the Vehicle



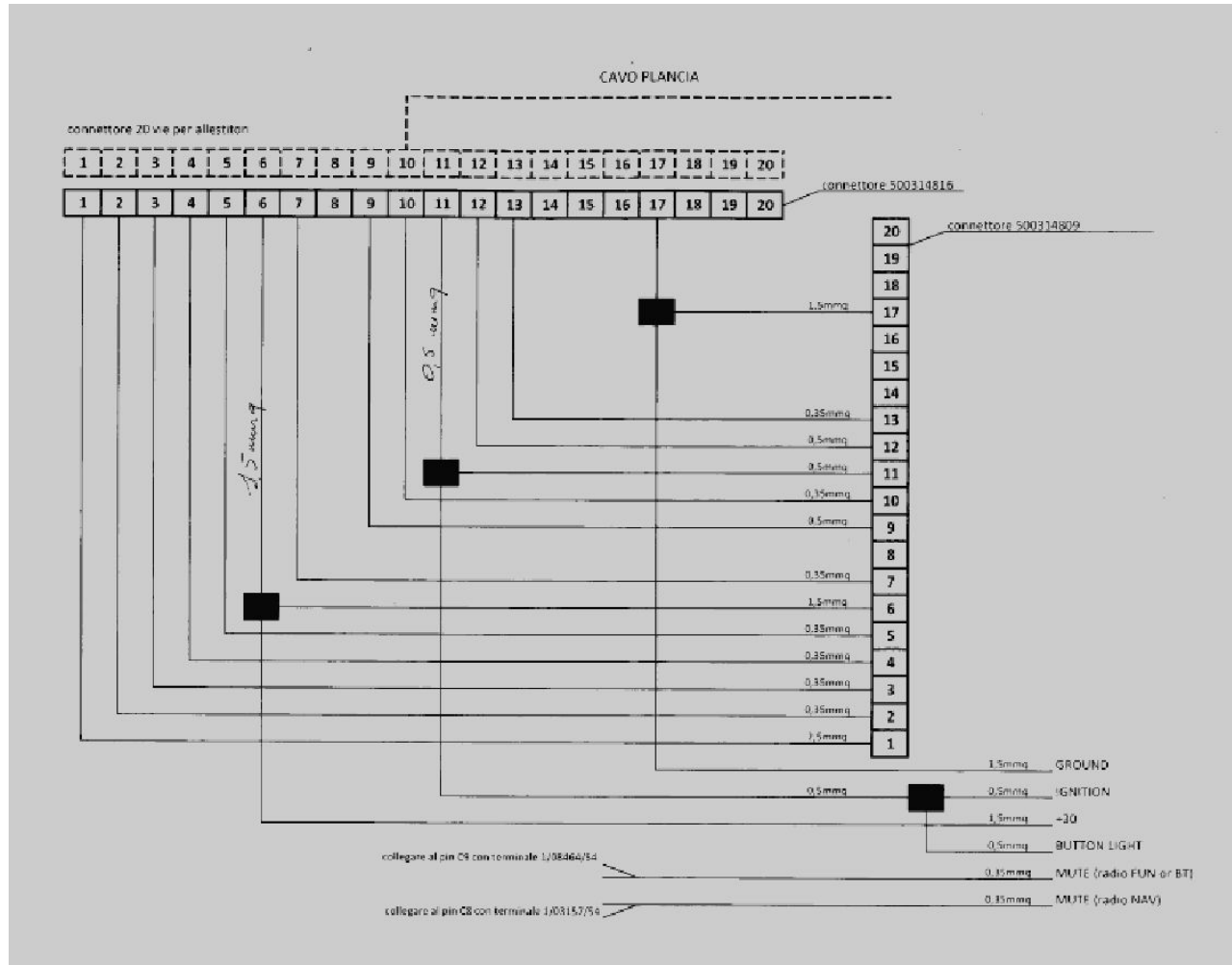
Connect to the vehicle connector of the dashboard wiring

Signals : +30 , IGN, Ground, can be taken in the middle of the cable for the TCU connection

Reproduction of the vehicle connector for a future reuse of it

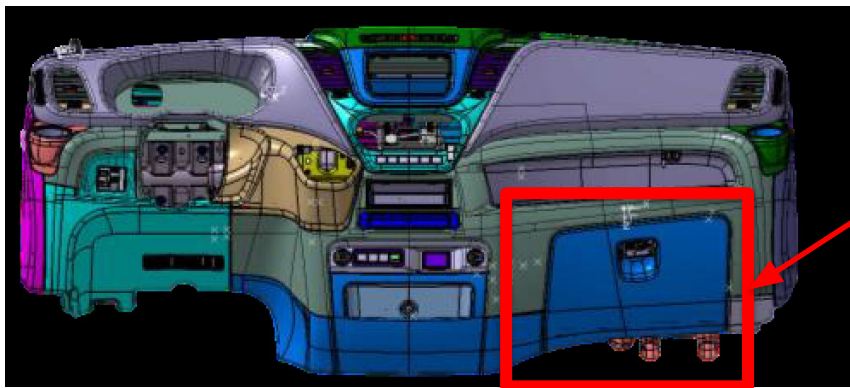


## Dashboard Cable Split

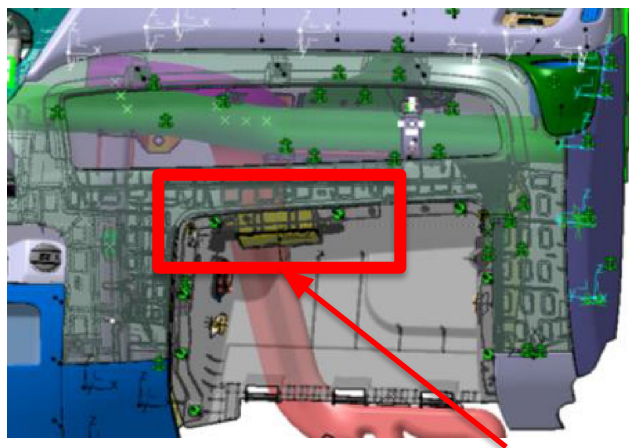


# Components Installation

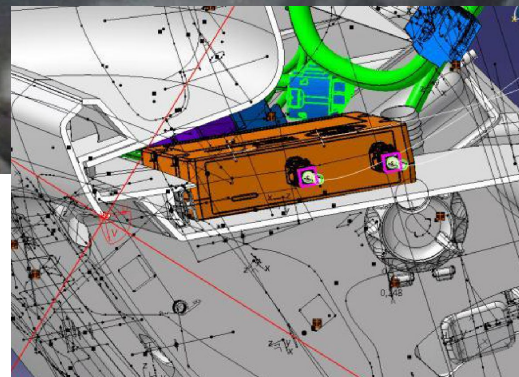
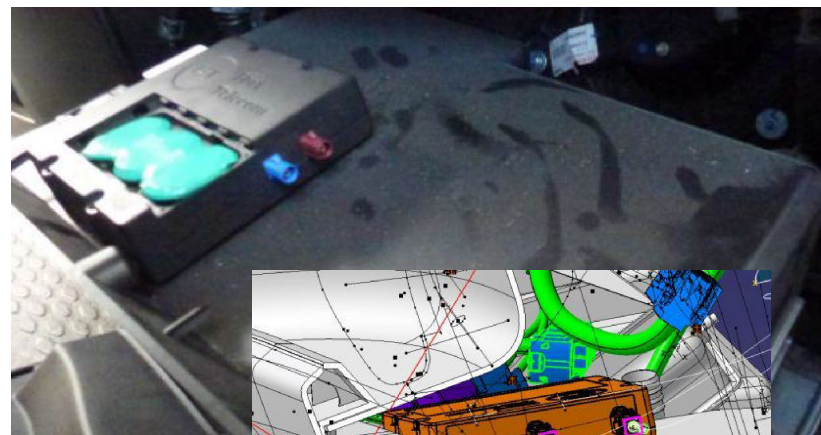
## 1) TCU EG



- Remove the glove box, fix the TCU by dual-lock adhesive on the cover of the dashboard's glove box rear flap



TCU EG - Control Unit device

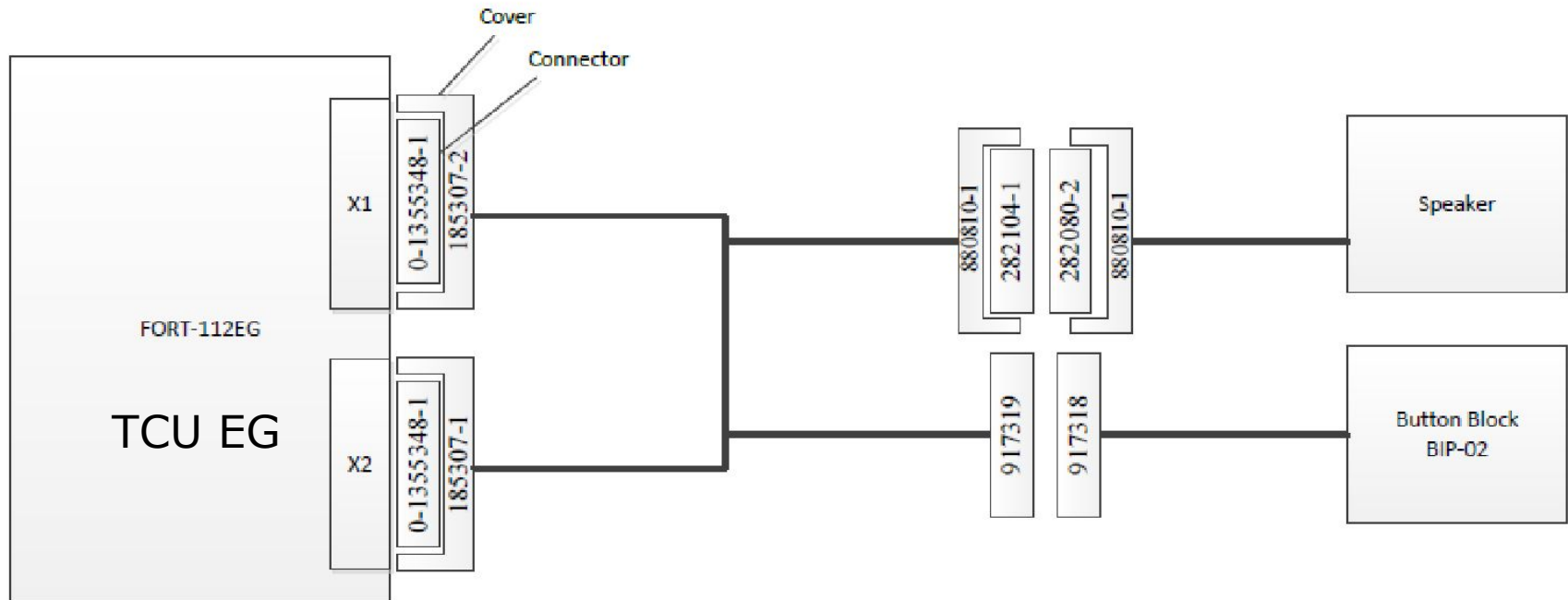


TCU Details

# Components Installation



## Device Connection



# Components Installation

## 1) TCU EG



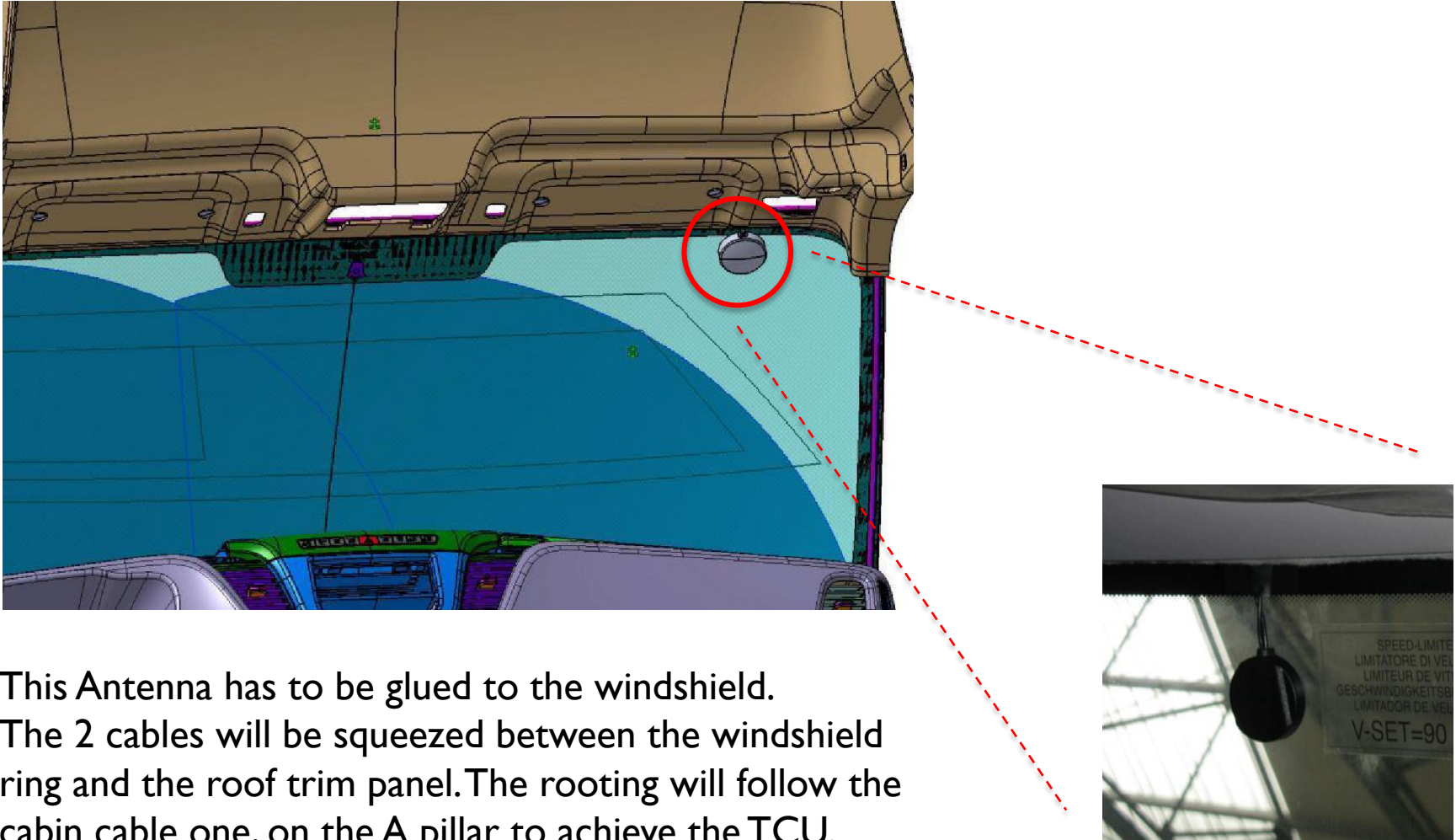
*Removing the glove box*



*Fix the TCU of the dashboard's glove box rear flap*

# Components installation

## 2) GPS/GSM Antenna

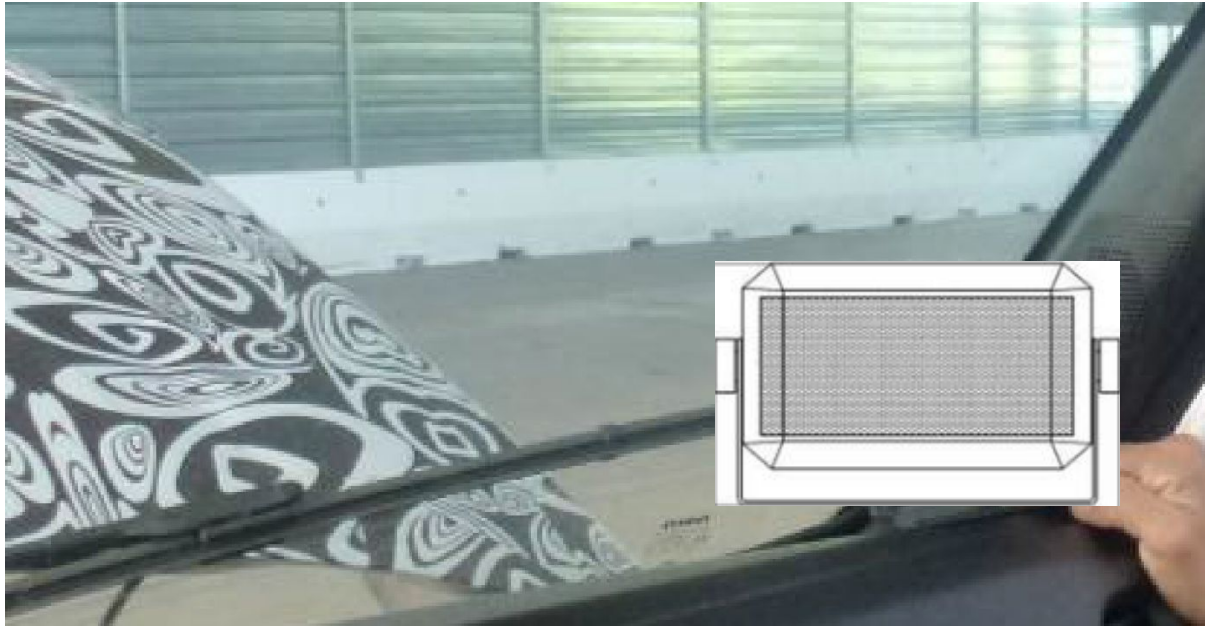


This Antenna has to be glued to the windshield.  
The 2 cables will be squeezed between the windshield ring and the roof trim panel. The routing will follow the cabin cable one, on the A pillar to achieve the TCU.



# Components Installation

## 3) Speaker



- The speaker has to be fixed to the dashboard
- A fixing bracket has to be positioned to install the speaker

# Components Installation

## 3) Speaker



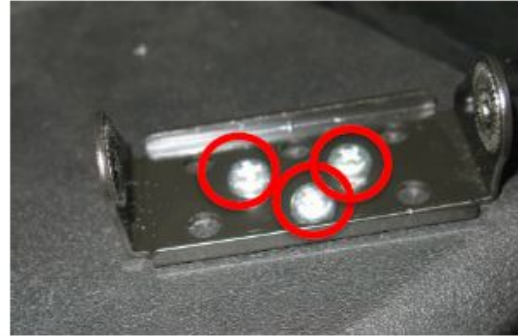
After removing the glove compartment on the passenger side, remove the front cover of the dashboard



Place fixing plate for mounting speaker marking the fixing point

# Components Installation

## 3) Speaker



*Fasten fixing plate of the speaker with three self-tapping screws in the holes of the image to avoid interference with the parts below*



*NOTE: Before installing the speaker remove cover pillar A and disconnect the tweeter*

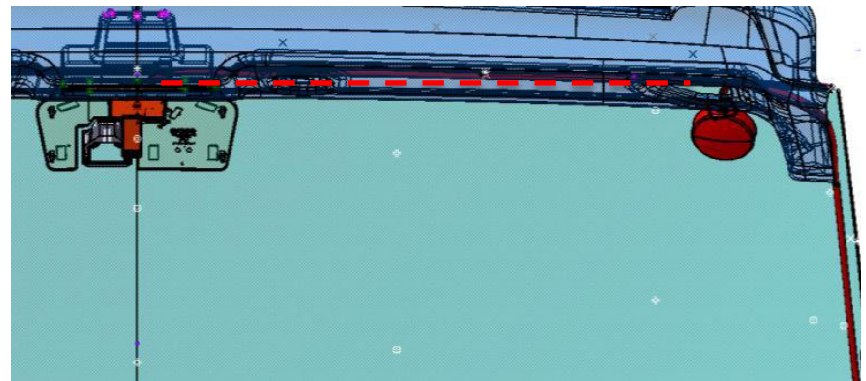
# Components Installation

## 4) Button Block



Button block is placed on the windshield near the rearview mirror (driver side). Fixing made by dual-lock adhesive

Cable is squeezed between the windshield ring and the roof trim panel.



# Components Installation

## 4) Button Block



1

**Button Block**

Velcro Adhesive



2



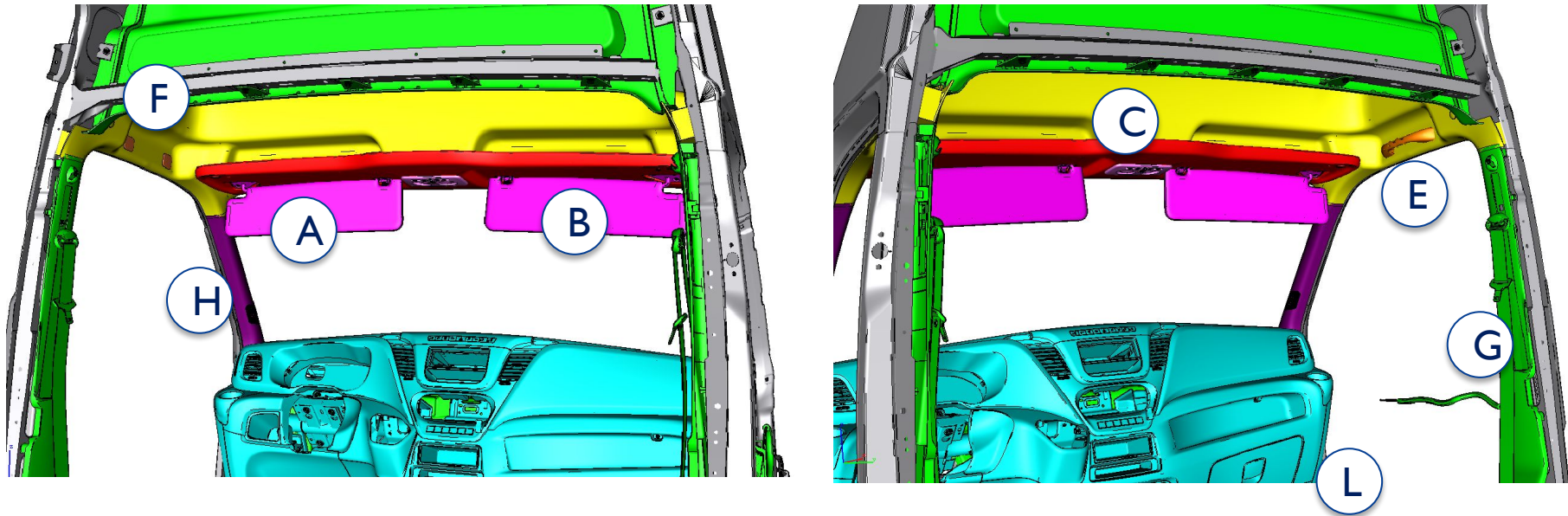
3

Foreseen a pvc taping for cables



# ERA Glonass CCM Refurbishing Description

First Phase: disassembly components



1. Sun visors (A and B)
2. Roof trim (C)
3. Grab handle (E) e n. 2 plugs (F)
4. Cover pillars A (H and G)
5. Glovebox (L)

# ERA Glonass CCM Refurbishing Description

Second Phase: assembly the complete ERA Glonass Kit



1. Applying Velcro Adhesive and positioning of Button Block
2. Applying GPS/GSM Antenna
3. Make n.3 holes on the dashboard and mount speaker bracket
4. Mount bracket and speaker
5. Position cable between the windshield ring and the roof trim panel. The routing will follow the cabin cable one, on the A pillar to achieve the TCU.

# ERA Glonass opt & CCM Refurbishing Description

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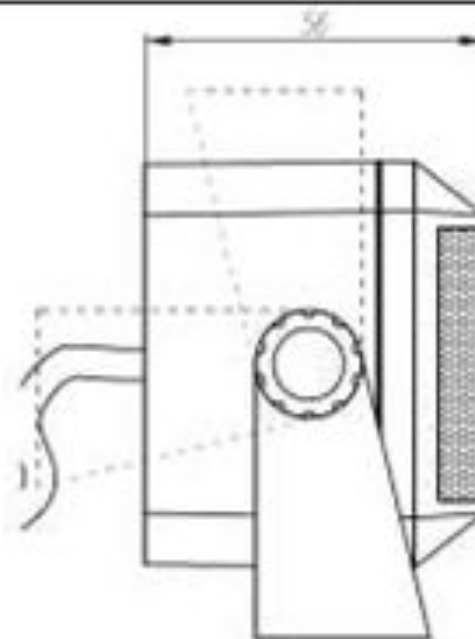
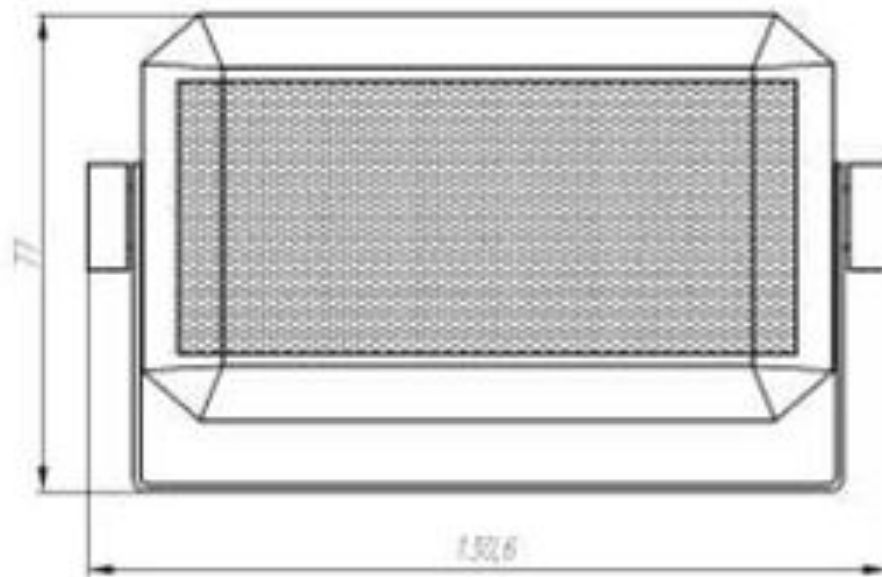
- Opt 72069 (FCS JKF30) to manage the specific dashboard wiring
- CCM 74742 for the complete kit installation near Plant



# New speaker

Громкоговорящее устройство АУ-25

Артикул: ИЛПГ.685613.153-02



# ICCD Code

