

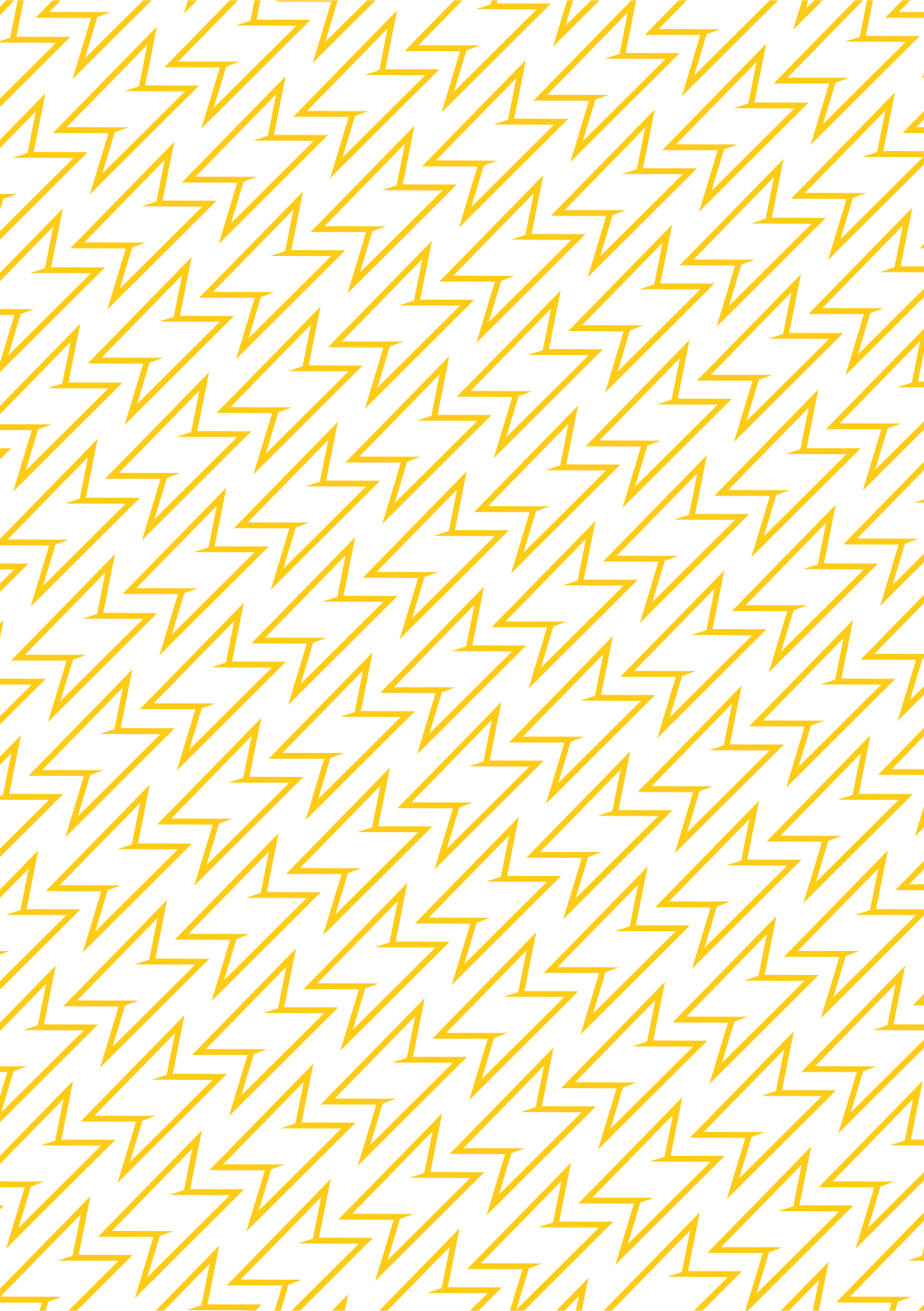


INSTRUCTION MANUAL

**ZZPLAY | ZZTSL**

VERSION 1.1





## 1) ZZTSL INTEGRATION MODULE

The ZZTSL integration module adds wireless or wired CarPlay or Android Auto to the factory infotainment screen in select Tesla Model 3 and Model Y. This Plug & Play solution is hardware-based and intercepts the LVDS video cable at the factory MCU. Please read entire manual completely before beginning installation.

## 2) KIT CONTENT



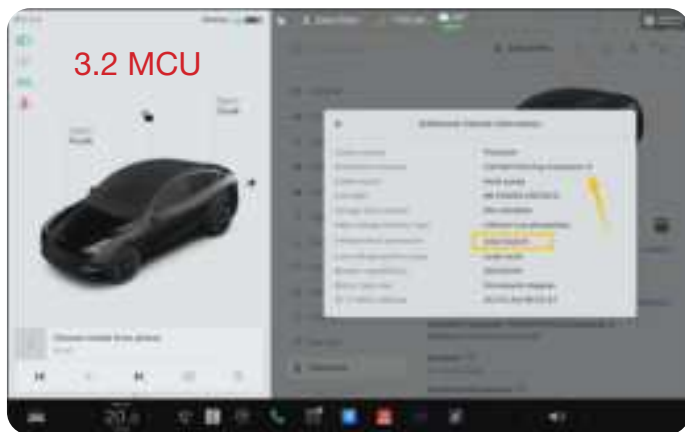
## 3) MODULE CONNECTIONS



## 4) IDENTIFY MCU

### 4.1 INTEL 3/3.2 MCU

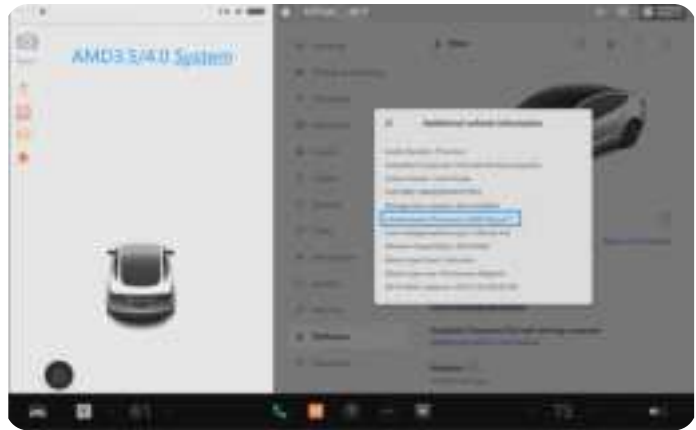
Intel 3-3.2 GUI Menu



Intel T-Harness

**4.2 AMD 3.5 & 3.2/4.0 MCU**

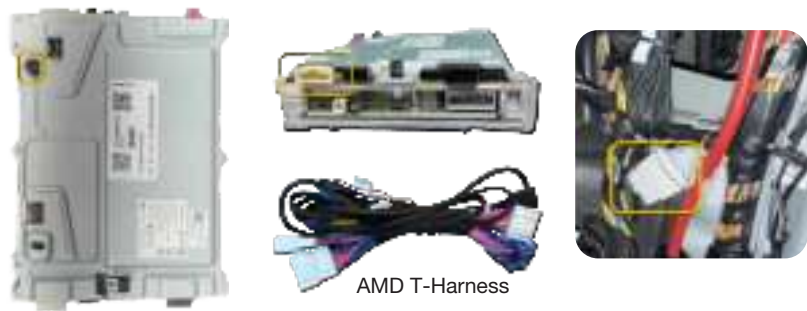
AMD 3.5-4.0 GUI Menu



**AMD 3.5 MCU**



**AMD 3.2/4.0 MCU**



## 5) ZZTSL INSTALLATION

1. To begin, put the Tesla in Service Mode by going to the Controls>Software, press and hold the 'MODEL' name for 5 seconds, then let go. Type in 'service' and tap 'OK'. Various features in the vehicle will be disabled until service mode is exited and the screen should surround with a red banner\*.
2. This kit includes (2) different T-Harnesses, specific to different build variants for Tesla – Intel or AMD based. In Control Settings, tap on 'Software', then tap 'Additional Vehicle Information'. Under 'Infotainment processor' it will state Intel or AMD. Take note of the system type.
3. Refer to the DIP switch chart on page (10) to adjust the DIP switches (side of unit) for specific Tesla model.
4. Access the main vehicle MCU (for North America, this is located behind/beneath the glove box area). This requires removing the passenger door sill and the under-dash panel (a small speaker and footwell light is attached).
5. For North American INTEL MCU-equipped vehicles, the T-Harness plugs required on the MCU are located on the right side (see variants below NOTE: your MCU may differ slightly, but the connectors should exist close to what is shown below).
6. For North American AMD MCU-equipped vehicles, one T-Harness plug is located on the MCU is located on the right side, the other is in the same kick panel as an empty (16-PIN) plug (see variants below NOTE: your MCU may differ slightly, but the connectors should exist close (in vicinity) to what is shown below).
7. The provided LVDS cables must intercept the OE Tesla LVDS video cable. See Diagram(s) for reference.

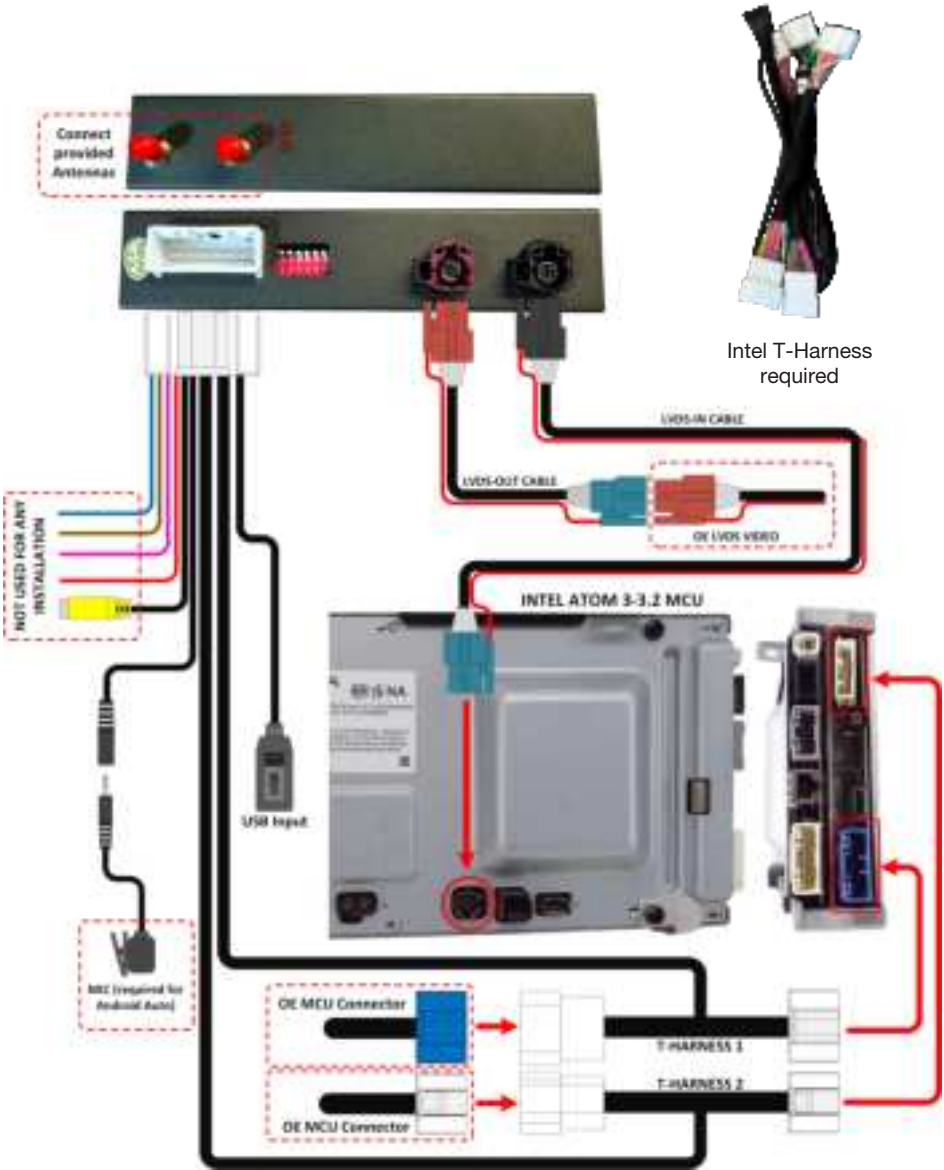


1.Service Mode Screen\*

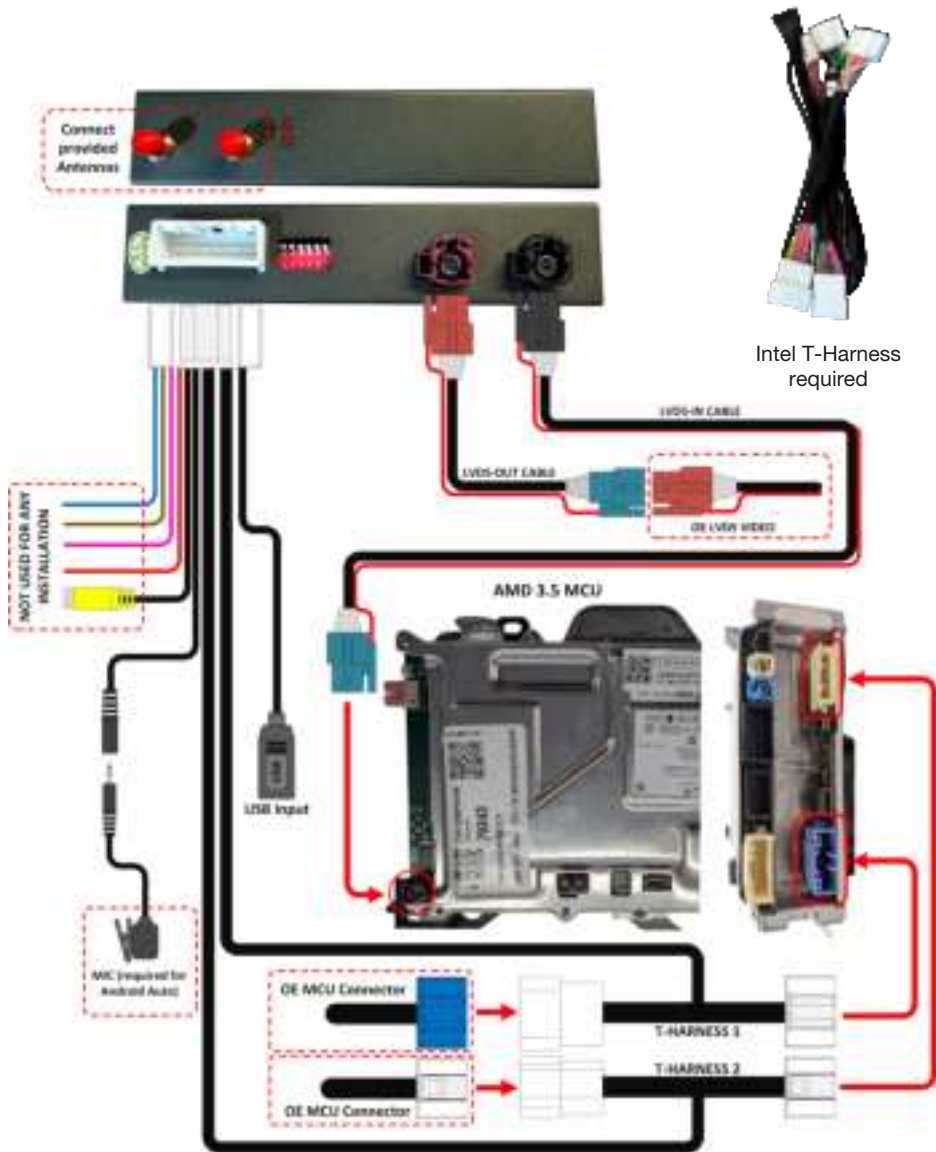


1.Service Mode Screen\*

**6) ZZTSL INSTALLATION DIAGRAM  
FOR INTEL 3/3.2 SYSTEMS**

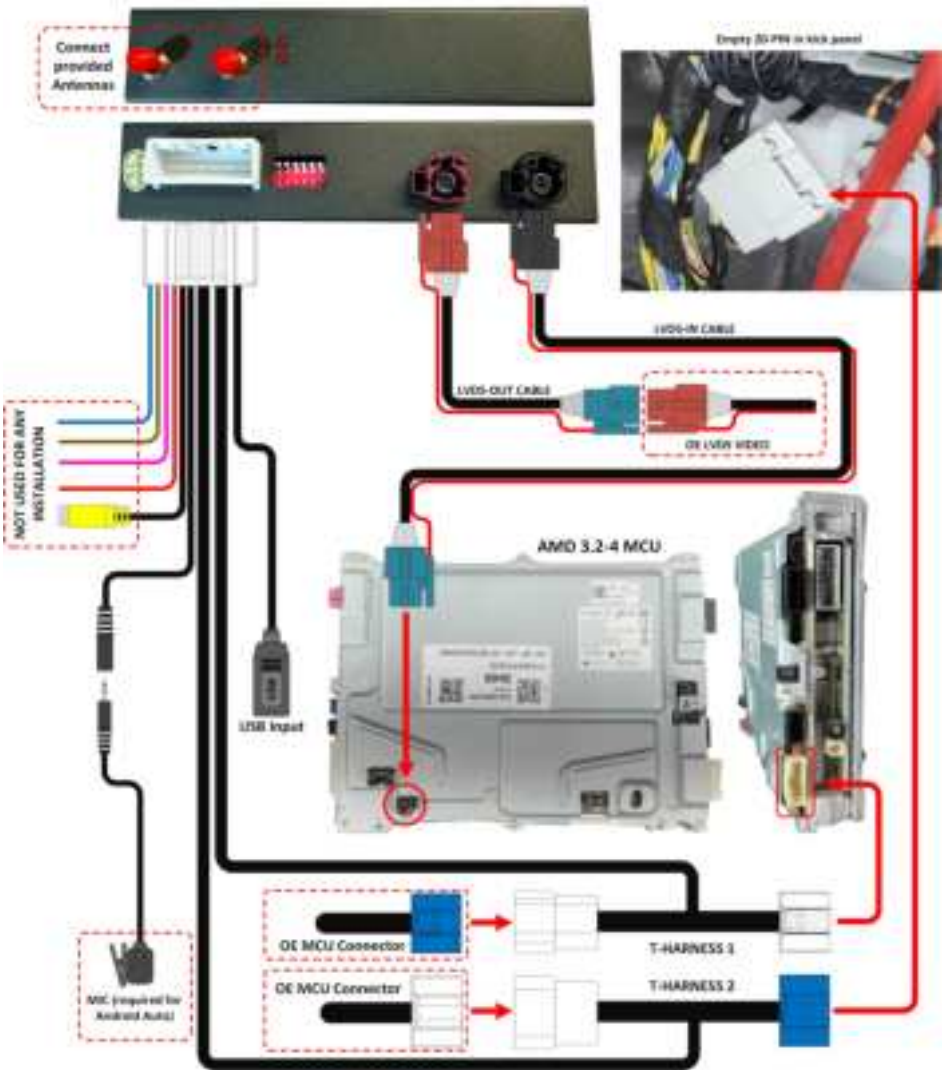


7) ZZTSL INSTALLATION DIAGRAM  
FOR AMD 3.5 SYSTEMS





8) ZZTSL INSTALLATION DIAGRAM  
FOR AMD 4 SYSTEMS



AMD T-Harness  
required

# 9) ZZTSL DIP SWITCH SETTINGS

## 9.1 - TESLA MCU VARIANTS & DIP

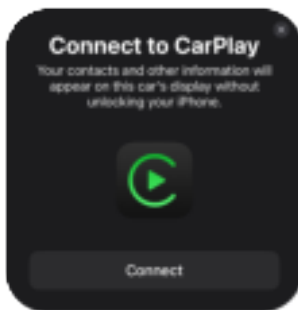
Year	Model	MCU	AMD/ INTEL	DIP
2018	3	3	INTEL ATOM	
2019 - 2023	3/Y	3.2	INTEL ATOM	
2023 - 2024	3/Y	3.5	AMD	
2024	Y	3.2 - 4.0		
2024	3/Y	4	AMD	
2024	3			
2025	Y			

## 1) ZZTSL OPERATION (CONNECT FOR CARPLAY/ ANDROID AUTO)

To connect a phone, choose the CarPlay icon on the bottom display bar (Tesla GUI), then choose your phone connection type (CarPlay or Android Auto).



Look for the ZZTSL unit on your phone's Bluetooth connection (make sure WIFI is ON as well), and connect to 'ZZPLAY\_xxxx'.



## 2) ZZTSL OPERATION

1. Once all connections are made, you may need to reboot the Tesla computer system once or twice – do this by pressing and holding both steering wheel knobs for about 15 seconds. The screen should go black and reboot.
2. Exit Service Mode by scrolling to the bottom of the screen (in Controls) and tap the 'Exit Service Mode' command as directed.
3. Upon booting, the ZZTSL will reset the GUI which may manifest as a drop out or black screen, briefly. This is normal in order to takeover the Tesla GUI and add the icon (interface access) at the bottom. This will happen upon every drive.
4. Tap the CarPlay icon to show the interface menu. Rest in the CarPlay menu or Android Auto menu to connect to the system. Connect to the ZZTSL by using Bluetooth (make sure Bluetooth and WIFI is turned ON).
5. Make sure that the phone is also connected to the Tesla for Bluetooth Audio, this is how the Tesla system will gain all audio from CarPlay/Android.
6. To make CarPlay/Android Auto full screen, go to the ZZTSL settings gear, then choose 'Enable Full-screen Phone Link'. It will reboot and CarPlay/Android Auto will be full screen.  
NOTE: only CarPlay or Android Auto will display full screen, the interface menu will remain on the split screen.



Step 1



Step 2



Step 3

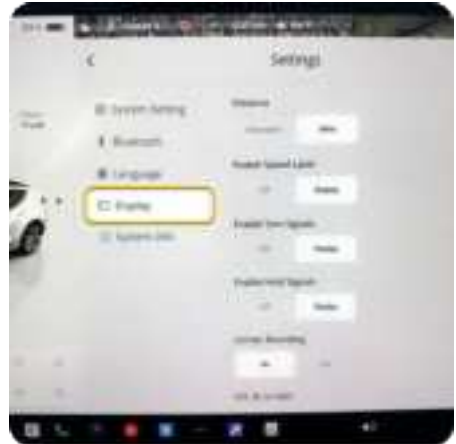


### 3) ZZTSL OPERATION (CONTINUED)

Other options found in the menu are not used for most installations. Below are some general overviews of functionality of the ZZTSL.



Bluetooth options show the Bluetooth ID and previously paired phones, stored in the ZZTSL memory



Display options are used for configuring distance units, showing speed indication (top bar) and showing turn signal cameras like factory (default is set to ON)



System Info is used to show hardware and software status.



The position of the interface icon can be moved by pressing and holding it for ~5 seconds, then drag it to the desired position.

## **BATTERY RESET - SOLVING ISSUE**

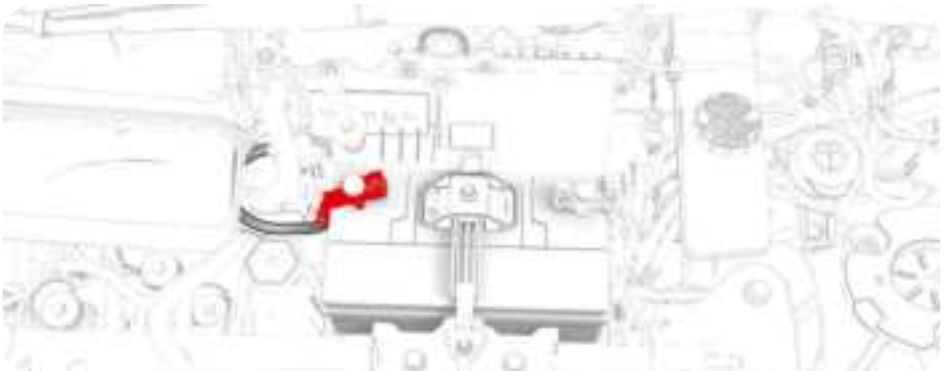
If you're having any issue after the installation (other than normal operation – ie, something now malfunctions from the OE Tesla system, for example), it may be required to reset the 12v LV battery (low voltage battery) and HV (high voltage) connections and test again. Follow the procedure below:

1. For Model 3 and Model Y, the LV battery is located in the frunk – open the frunk using the touchscreen controls section. Remove the plastic apron:

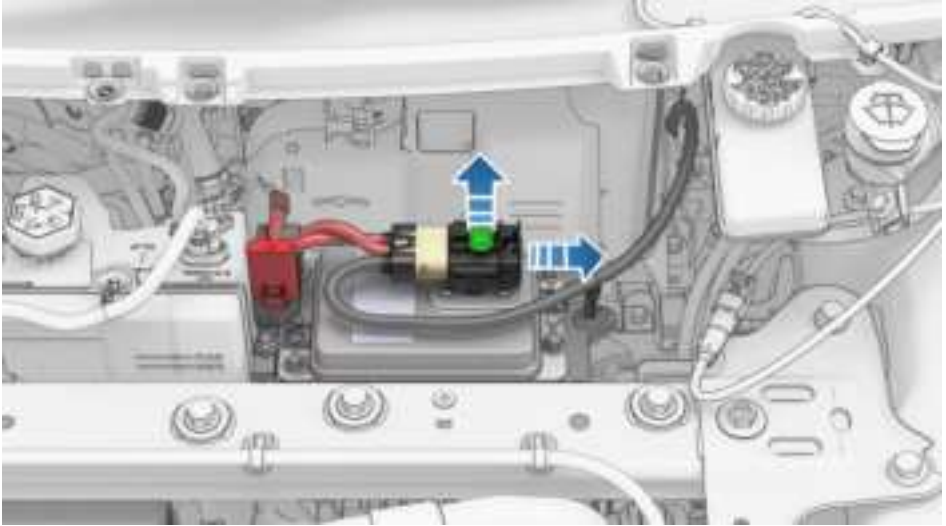


2. With this apron removed, the Lead Acid (1) or Li-ION battery (2) will be exposed. The Li-ION battery appears like a module but it is indeed a rechargeable battery (see 2b).

- a. The Lead Acid battery can be reset by disconnecting the positive (or negative) terminal – wait 2 minutes, then reconnect.



b. The Li-ION battery is bolted to a piece of metal. Release the green plastic tab like shown, then pull the connector free. Wait (2) minutes, then reconnect.



3. Disconnect the First Responder Loop circuit. This may be in a different place for Model 3 or Model Y, but it will always be near the 12v LV battery. Disconnecting this plug resets the HV battery connection.

**Model 3 First Responder Loop**



**Model Y First Responder Loop**



# WARRANTY PROCEDURE



All our products come with a 3-year warranty. To proceed, please follow these steps:

## *1) CONTACT TECHNICAL SUPPORT*

Get in touch with our technical support via phone or WhatsApp, providing the invoice number and the serial number of the part. Under no circumstances will the part be replaced without prior contact with technical support.

## *2) TECHNICAL REPORT*

Technical support must verify that the defect originates from the part itself. If the defect is caused by drops, incorrect installation, or misuse, the part will not be replaced.

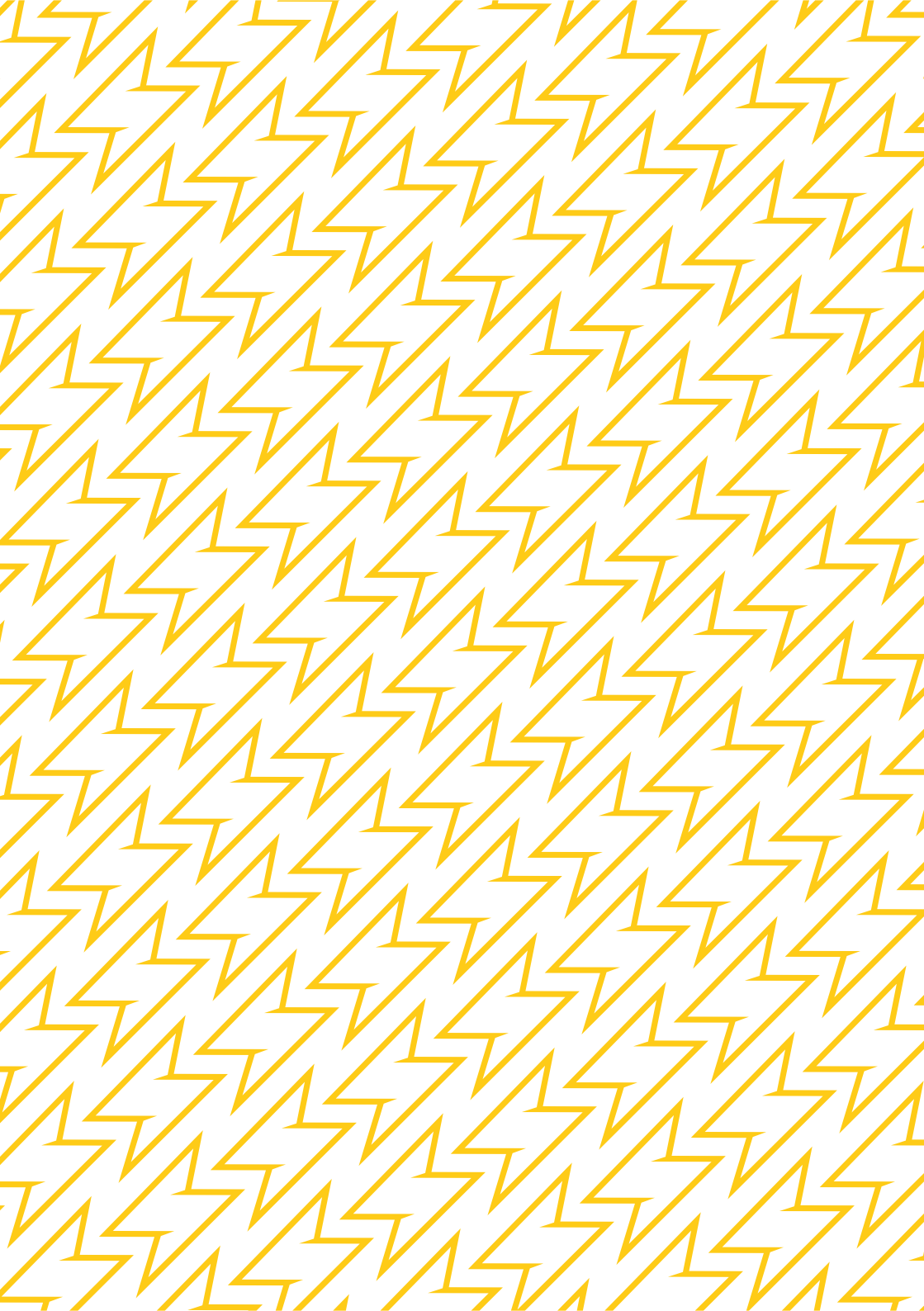
## *3) REPLACEMENT*

The new part will be sent by mail after the defective part has been returned.

## *4) ADVANCED REPLACEMENT*

If the customer urgently needs the part, a payment receipt (invoice) will be issued for the value of the part, with a due date of 28 days from the date of issue. Once the defective part is returned, the receipt will be automatically canceled; otherwise, the amount must be paid.







In case of questions or need  
for technical support, please  
contact our specialized team.

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