




## ALPINE PSS-TSLA-213 Sound System Instruction Manual

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ALPINE PSS-TSLA-213 Sound System



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## Important Notice



**WARNING:** This aftermarket plug-and-play audio system for Tesla vehicles ("Product") is intended for installation by qualified professionals with experience in automotive electrical systems. Improper installation can result in serious damage to your vehicle, electrical system, and personal injury or death. By purchasing and/or installing this Product, you acknowledge and agree to the following:

- Installation at your own risk: You assume all responsibility and risk associated with the installation of this Product. Neither Alps Alpine North America, Inc. nor its affiliates are responsible for any damage or injury caused by improper installation.

- The installation of this product requires specialized skills and experience. We recommend that you have the product installed by an Alpine authorized dealer
- Potential for electrical damage: Improper installation can cause electrical damage to your Tesla vehicle, including, but not limited to, blown fuses, shorts, fires, and damage to sensitive electronic components and batteries.
- No warranty for improper installation: This Product's warranty is expressly limited to manufacturing defects and does not cover any damage caused by improper installation.
- **ASSUMPTION OF RISK:** YOU ACKNOWLEDGE AND AGREE THAT YOU ARE KNOWINGLY ASSUMING THE RISK OF DAMAGE TO YOUR TESLA VEHICLE AND/OR PERSONAL INJURY OR DEATH BY INSTALLING THIS PRODUCT YOURSELF AND THAT INSTALLING THIS PRODUCT MAY AFFECT OR RESULT IN TERMINATION OF YOUR LIMITED WARRANTY WITH TESLA.
- **LIMITATION OF LIABILITY:** TO THE FULLEST EXTENT PERMITTED BY LAW, ALPS ALPINE NORTH AMERICA, INC. AND ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES ARISING OUT OF OR RELATED TO THE INSTALLATION OR USE OF THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, DAMAGE TO YOUR TESLA VEHICLE, PERSONAL INJURY, PROPERTY DAMAGE, OR RENDERING YOUR LIMITED WARRANTY INEFFECTIVE.

We strongly recommend consulting your Tesla owner's manual or qualified professional for specific installation instructions. We recommend reviewing all online resources and tutorials available for your specific Tesla model before attempting installation. If you are unsure about any aspect of the installation process, please consult a qualified professional.

## Tesla Model 3/Y Power UP & Down Procedure



**WARNING:** Before beginning install on your tesla follow the below procedure.

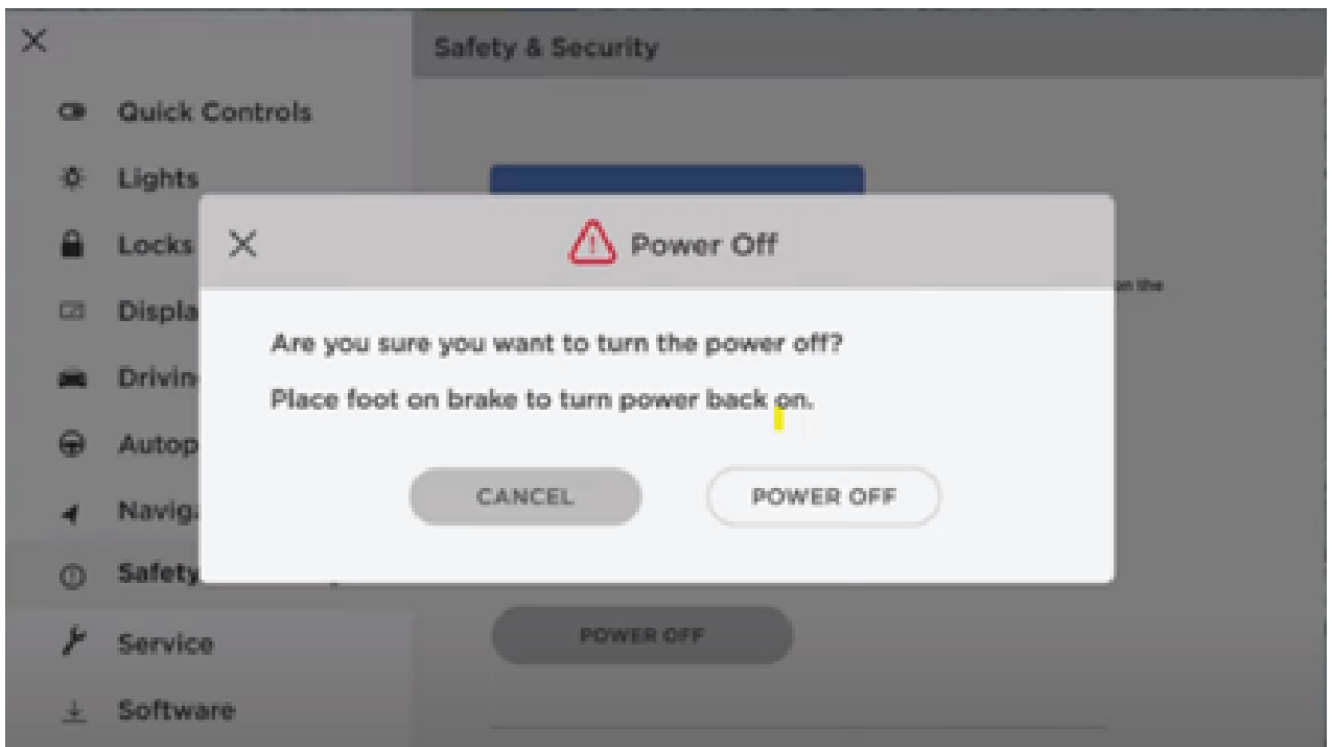


**IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

- Battery State should be near 100% charged.
- ALL WINDOWS ROLLED DOWN
- Frunk & Trunk is OPEN

## Tesla Model 3/Y Power Down Procedure

1. Turn off the Screen in Settings Following Step (A,B,C)
  - A) Enter the Controls Menu in bottom Left Corner
  - B) Tap Safety & Security Menu on the Left-Hand Menu
  - C) Press the Power OFF Button, and Confirm OFF



2. Access the Frunk and disconnect the low voltage battery (-) Cable.
3. Remove the Rear Bench Seat Cushion by unlatching 2 lock mechanisms at the bottom edge of the seat.
4. Unplug the the high voltage contactor under the Rear Seat.



### **Tesla Model 3/Y Power Up Procedure**

1. Under the Rear Bench Seat cushion plug- in and latch the high voltage battery contactor pictured above.
2. Access the Frunk and reconnect the low voltage battery (-) Cable.
3. Power up the vehicle pressing the brake pedal.

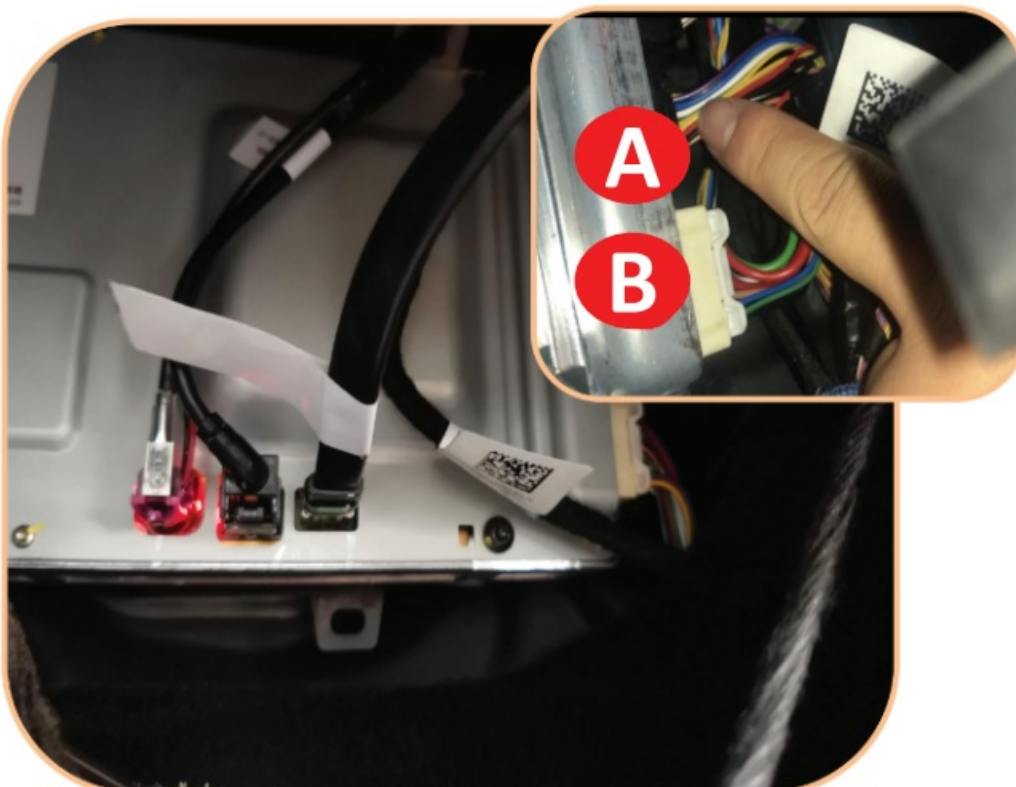
### **Installation Instructions (Integration Harness)**



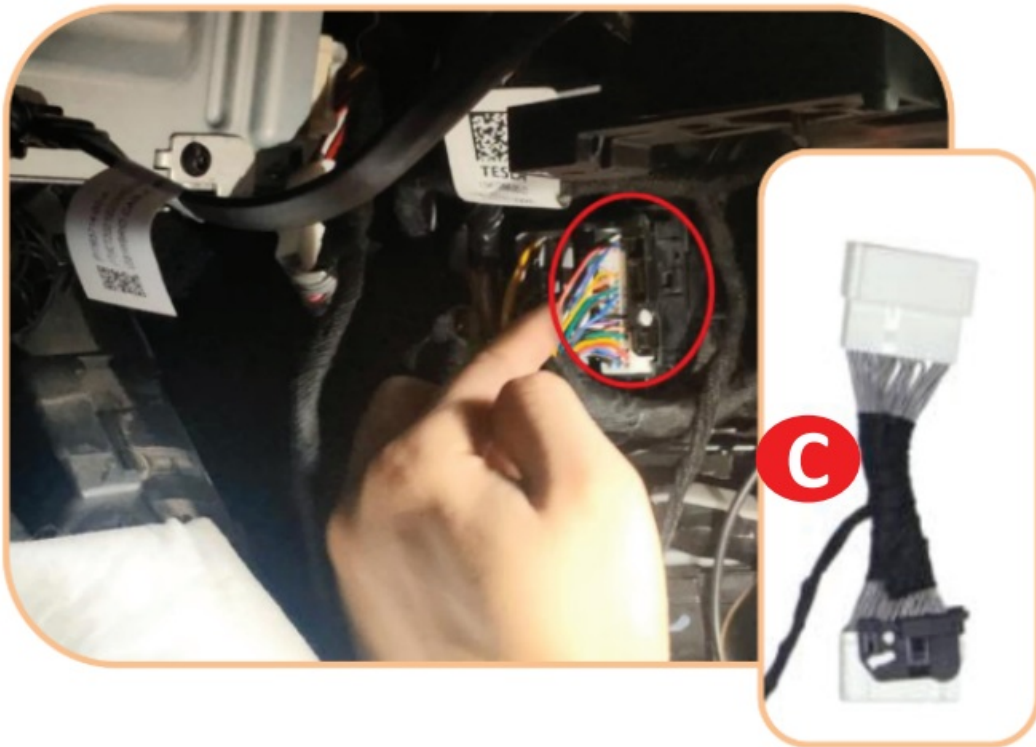
1. Remove 2 factory trim Panels from the passenger foot well. The under dashboard trim panel and the kick panel cover both located under the dashboard in the passenger foot well.



2. Inside of the passenger footwell locate the signal distribution box. Disconnect the 2 bottom male connectors and replace with plugs (A + B) from the Alpine Tesla Harness. Transfer the disconnected connectors into the open ends of the Alpine Harness.

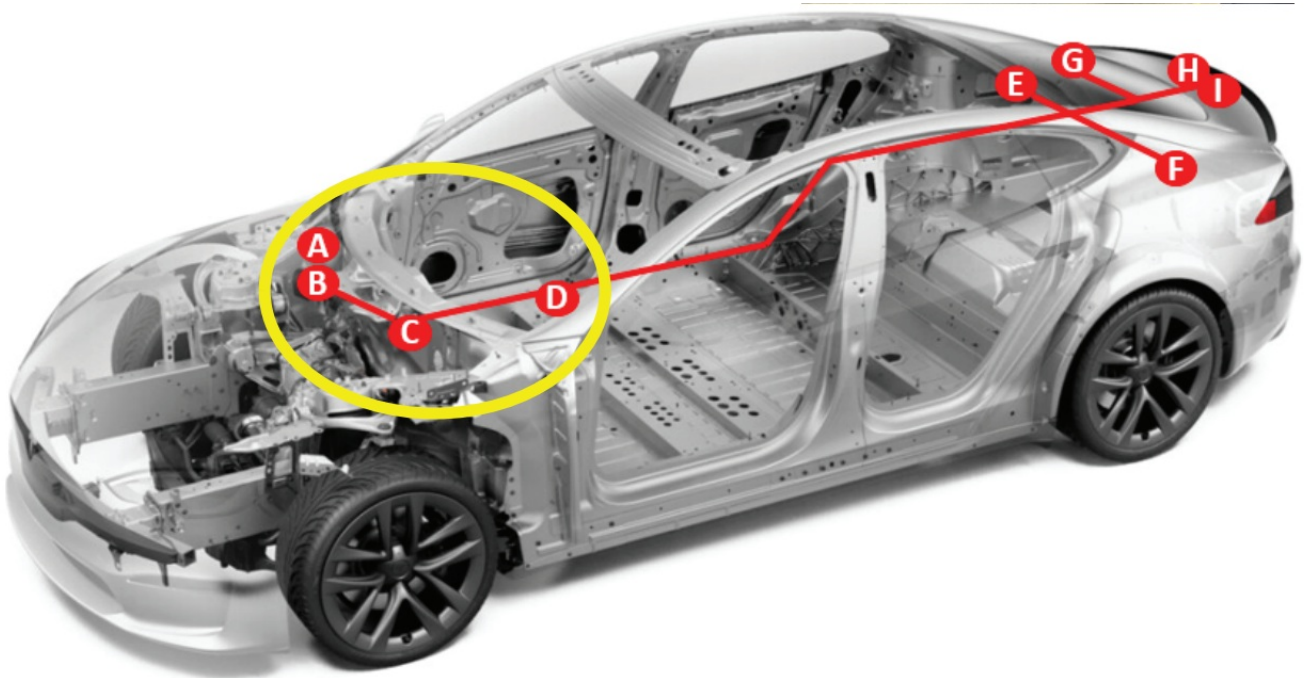


3. Route the harness cable from inside the dash down to the passenger kick panel and locate the matching plug, disconnect the connector and transfer it to the harness. (Plug C)

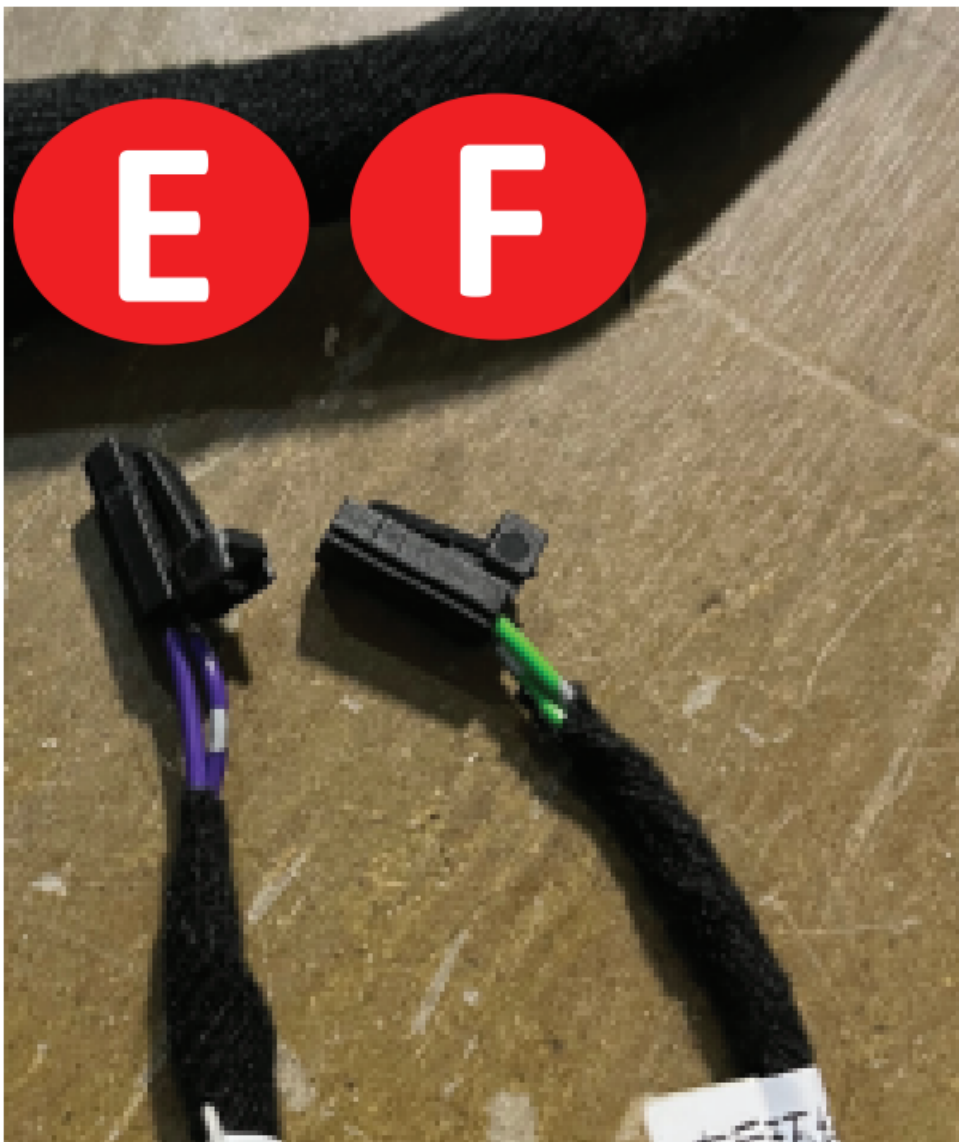


4. Remove the passenger side baseboard lower door trim and locate the connector just before the base of the B-pillar. Transfer the connections to (Plug D)





5. Route the harness under the passenger trim up to the back of the vehicle. Leave a proper amount of slack so that your plugs can reach the final amplifier mounting location.
6. (Plugs E & F) are routed for rear deck speaker equipped vehicles. (Some Model 3 Base RWD made 2021+ do not have rear deck speakers)



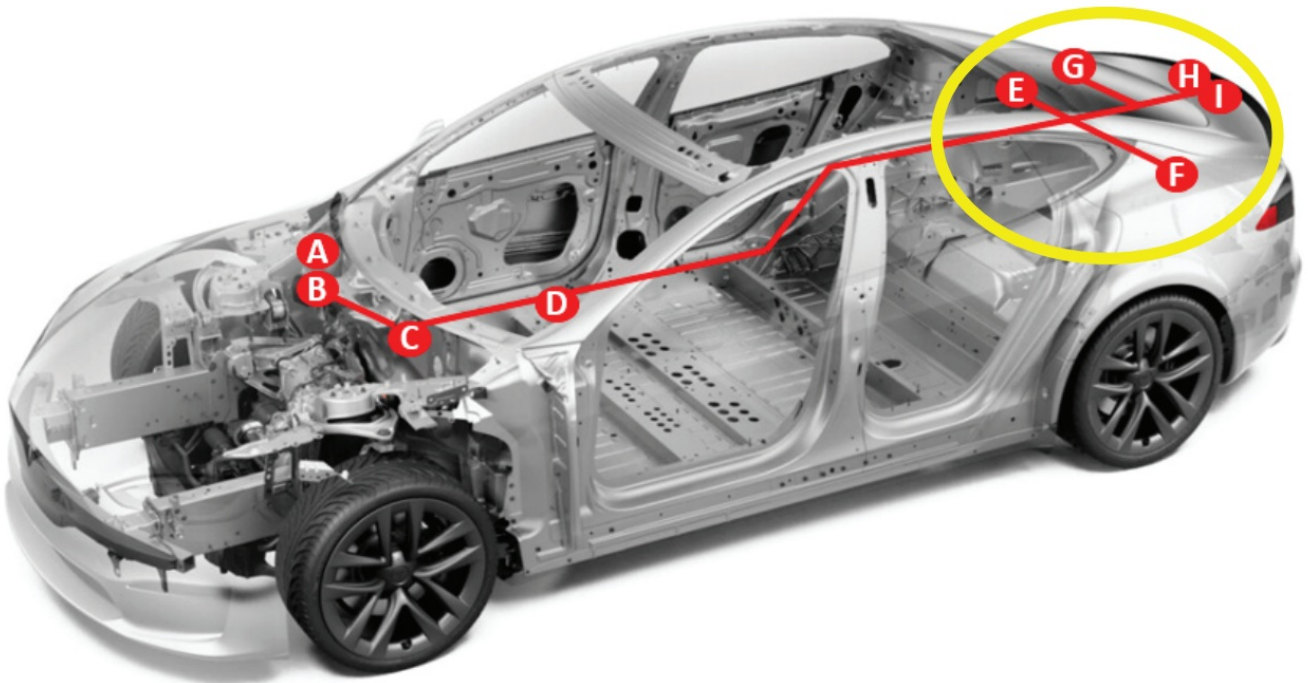
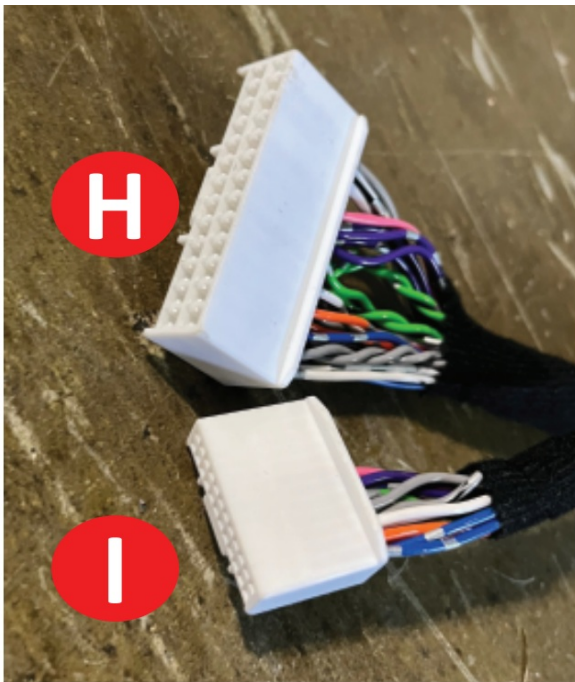


7. Route cable G behind the trunk lining trim, (Plug G) connects to the subwoofer enclosure located behind the rear passenger tire well.



8. (Plug H & I) High level input and DSP output connect to the Alpine Amp PXE-X121-12EV





### Installation Instruction (Power Harness)

⚠️ FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE

⚠️ **IMPORTANT:** For Optimal Sound Quality Sound Dampening Is Highly Recommended for Tesla Applications

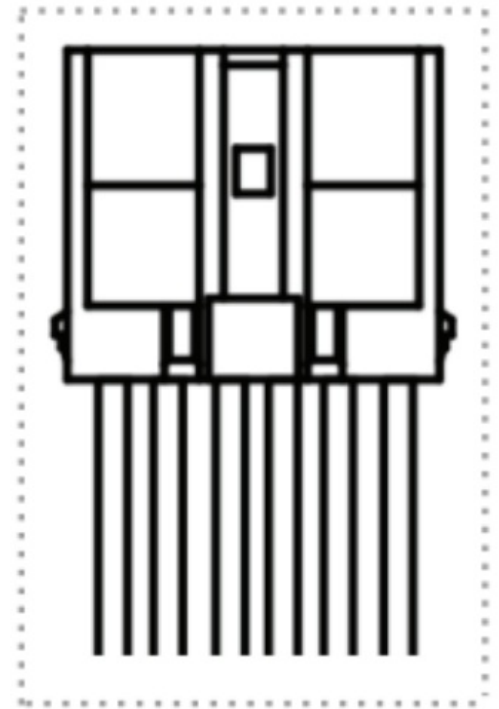
⚠️ **IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. Route 12V Power Harness (Plug J) from the trunk to the rear bench seat along the passenger side of the vehicle



+12V	+12V	ACC	REM OUT	GND	GND
+12V	+12V			GND	GND

└─ POWER SUPPLY ─┘



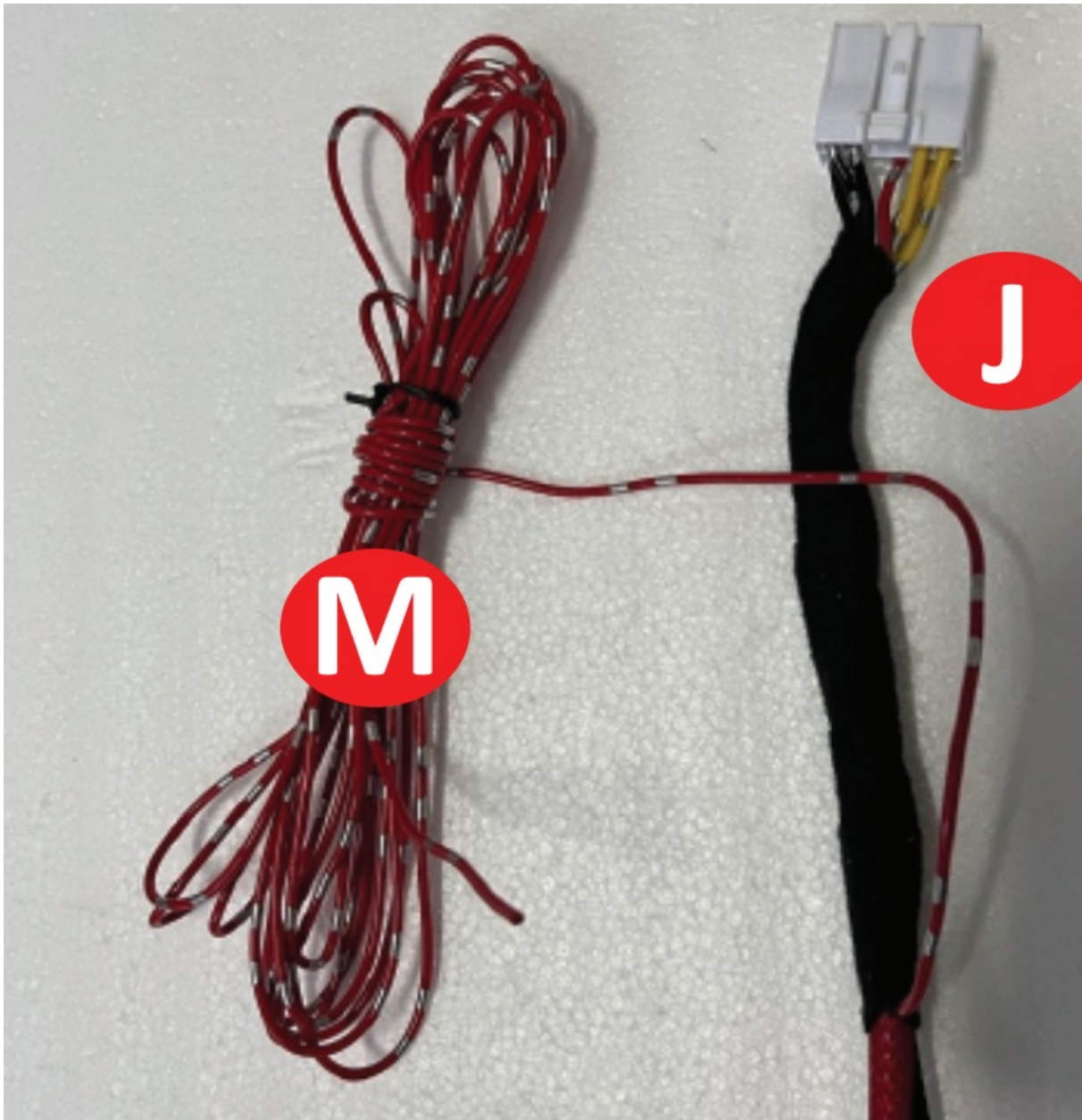
2. Locate the low voltage 12V battery posts in the rear seat passenger compartment (Under the seat) Use a socket to remove the battery hardware.



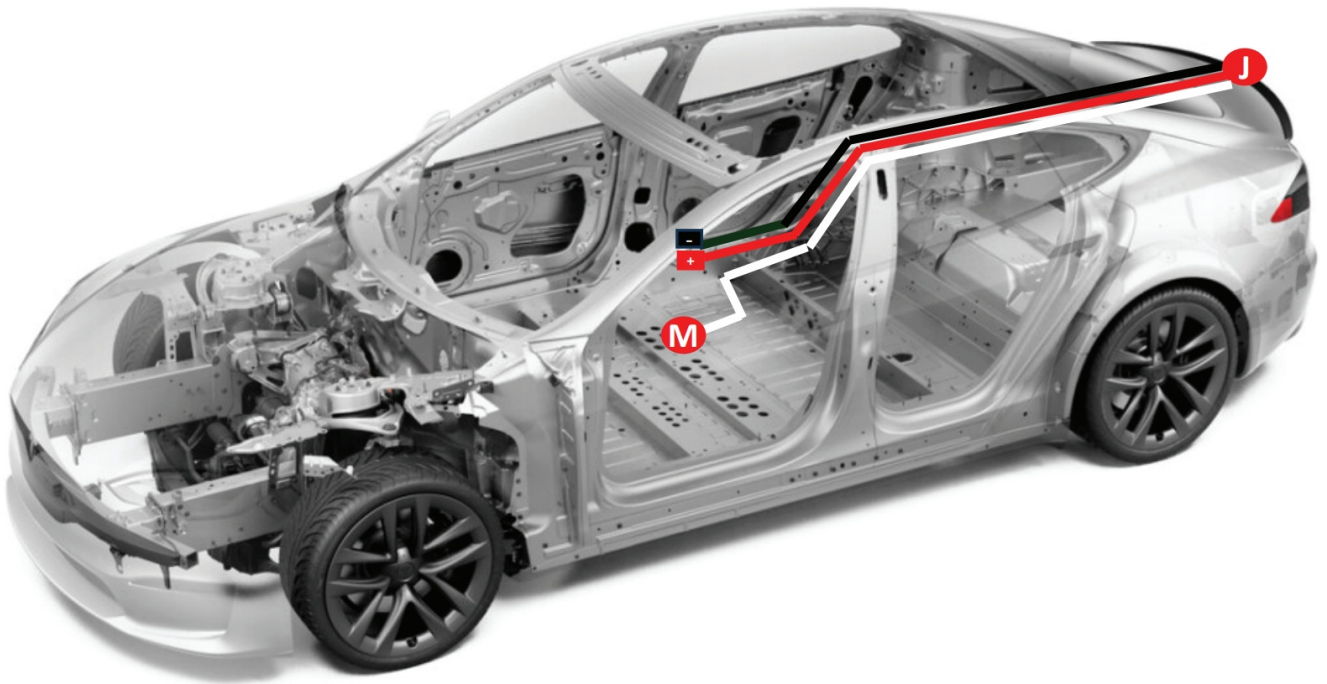
3. Connect the harness Positive and Negative lug to the low voltage battery posts under the rear seat & re-tighten hardware.



4. Route the remote trigger 18awg primary wire (M) to the rear of the center console. Extra Length is OK.







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⚠️ **IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. Use a panel removal tool to remove the lower rear cover of the center console, once removed this should reveal two large plugs.





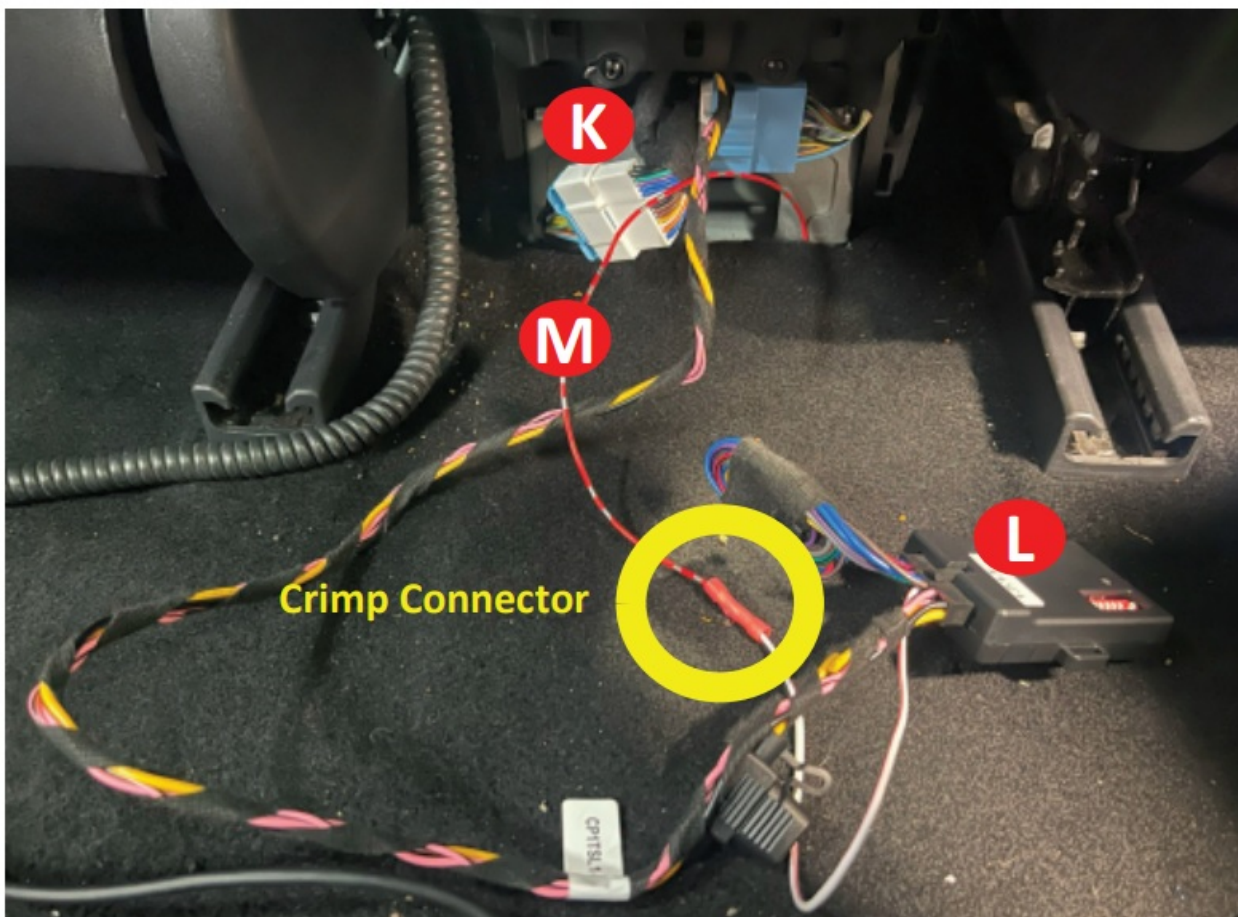
2. Locate and unpack the CP1-S CANPRO and CP1-TSL1



3. Connect Harness "K" black plastic molex end with corresponding plug of CANPRO CP1-S Module "L" . Set dipswitch 2 to ON position

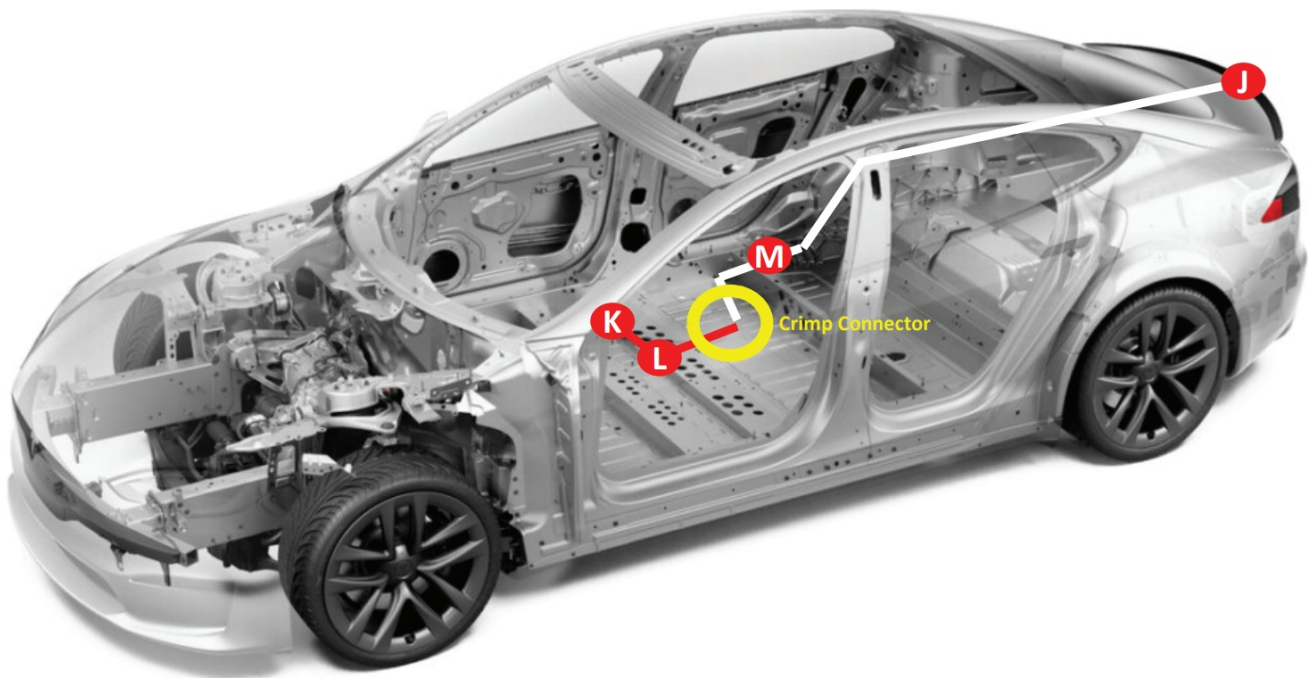


4. Disconnect factory connectors and replace the white plastic plugs from CP1-TSL1 "K" into the rear center console Plugs. Trim the excess length wire from "M" and crimp together with Output #1 from CP1-S "L"




5. When finished tuck all excess wiring and CANPRO module into the rear center console compartment and re-install the lower cover using factory clips.






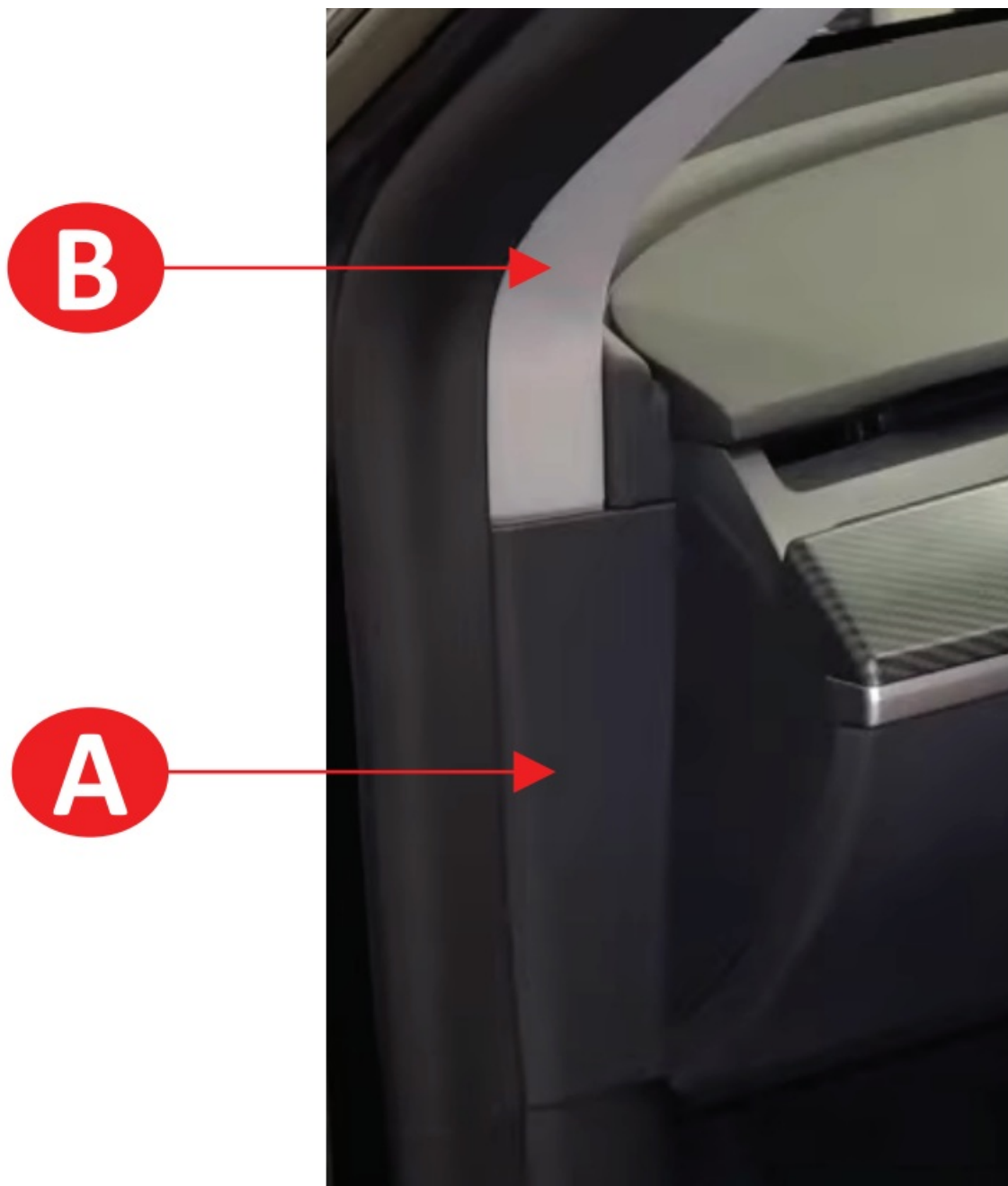
### Dashboard Speaker Installation (EV-40MR-T)

 FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE

 **IMPORTANT:** For Optimal Sound Quality Sound Dampening Is Highly Recommended for Tesla Applications

 **IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. Using a panel removal tool. Remove dash side cover "A" followed by pillar cover "B" at both sides of vehicle.  
Weather gasket can be peeled back slightly for easier removal.



2. Use a Panel Removal Tool around the edge of the dashboard speaker cover panel to release the factory clips. Release the panel and pull upwards to detach and expose the center stage speakers.



3. Remove (3) T20 Torx bolts securing each factory speaker Remove (2) T20 bolts securing the factory tweeter Use T20 Torx. A Shallow Ratcheting Torx Bit is required.





4. Connect the Y-Harness between the center mid and tweeter & Plug all speakers into the factory connectors.



5. Secure all Alpine speakers to the dash by Re-installing all remaining factory T20 Torx. After speakers are mounted Install the dashboard speaker cover panel by applying uniform pressure to engage the factory clips.
6. Re-install dash side cover "A" followed by pillar cover "B" at both sides of vehicle.

## Front Door Speaker Installation (EV-65CF-T)

⚠️ FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE

⚠️ **IMPORTANT:** For Optimal Sound Quality Sound Dampening Is Highly Recommended for Tesla Applications

⚠️ **IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. Remove the Front Door Panels Pry the Red Reflector Clip Off Using Slim Panel Remover Use a T30 Screw Driver Remove (3) Screws in Each Panel
  - (2) Screws are located under the door grip handle
  - (1) Screw is located behind the red reflector



2. Use a Panel Removal Tool around the edge of the panel to release the factory clips. Release the panel and pull upwards to detach, unplug the factory panel connections including the green speaker plug.





3. Remove 4 bolts securing each factory speaker adapter. Use 8mm Socket or T25 Torx (Varies depending on year) The factory Adapter should then unclip easily.



4. Install the new Alpine Speaker & Adapter to the door panel using the factory screws. Plug in green speaker adapter plug.



5. Plug in all remaining factory door connectors. Mount and re-install each factory door panel using (3) T30 Torx. Apply Pressure around the door panel to engage the factory clips. Reinstall the Red Reflector Clips.

### Front Door Tweeter Installation (EV-65CF-T)

FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE



**IMPORTANT:** For Optimal Sound Quality Sound Dampening Is Highly Recommended for Tesla Applications



**IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. Using a panel removal tool remove the Front Tweeter Housing Panel Use Light Upward Pressure and Pry to Release 2 Clips.





2. With the Tweeter Housing un-clipped from the door unplug the factory speaker connector. If the plug is difficult use a small precision flat tool to release the plug connection.



3. Unclip the Factory Tweeter from the Housing by gently twisting and pulling.



4. Install the new Alpine Tweeter by clipping into place.



5. Plug in the original factory connector to the new alpine tweeter and pop the housing into place using downward pressure along the factory clips. Make sure it securely latches into place.

#### **Rear Door Speaker Installation (EV-40M-T)**

⚠️ FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE

⚠️ **IMPORTANT:** For Optimal Sound Quality Sound Dampening Is Highly Recommended for Tesla Applications

⚠️ **IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. Remove the Rear Door Panels Use a T30 Screw Driver Remove (2) Screws in Each Panel (2) Screws are located under the door grip handle.



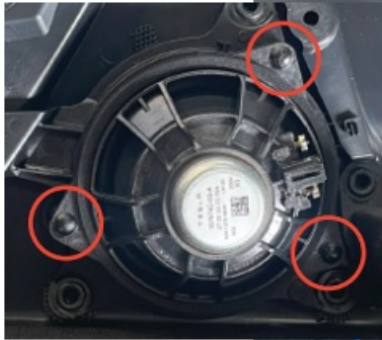
2. Use a Panel Removal Tool around the edge of the panel to release the factory clips. Release the panel and pull upwards to detach, un-plug the factory panel connections.



3. Using a Drill Bit, Drill out 3 Plastic Rivets on each Factory Door Speaker. Use Care to not over-drill the screw boss.



**Drill out the Rivet**



4. Using hand screw driver install the new Alpine Speaker to the door panel using the (6) supplied phillips tapping screws & Plug in the speaker connector



**Replace 3 Rivet with Tapping Screw**

5. Plug in all remaining factory door connectors. Mount and re-install each factory door panel using (2) T30 Torx. Apply Pressure around the door panel to engage the factory clips.

#### **Rear Deck Speaker Installation (EV-40M-T)**

**⚠️ FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE**

**⚠️ IMPORTANT:** For Optimal Sound Quality Sound Dampening Is Highly Recommended for Tesla Applications


**⚠️ IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. Remove the factory deck and Rear Deck Speaker Grille Covers
2. Uninstall the factory rear deck speakers
3. Install the new 4" Midrange speaker into the factory location. Use Plug (E) AND (F) to connect the speaker leads.




4. Re-install the factory grille covers and deck into the vehicle.

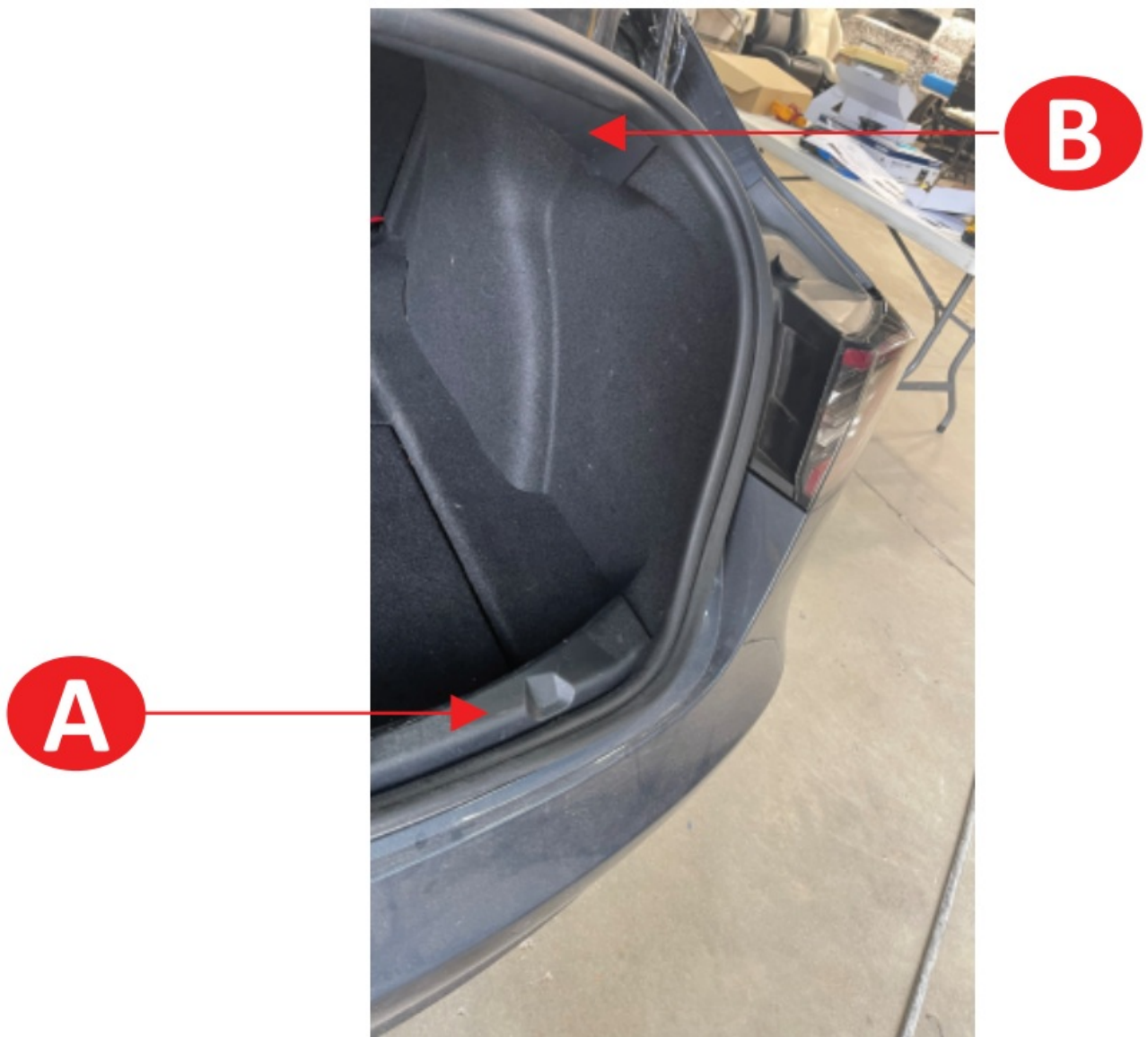
#### **Model 3 Subwoofer Installation (EV-100SW3-T)**

 FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE

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 **IMPORTANT:** Re-install ALL Factory Plugs To Their Original Location, FAILURE TO DO SO CAN CREATE COMPUTER FAULTS.

1. To access the subwoofer compartment remove the lower plastic trim panel "A" and the upper plastic trim panel "B" Use a Panel Removal tool to release the clips. After removed do not lose the factory clips.



2. Uninstall the factory subwoofer from vehicle. Peel back the carpet "C" to expose the factory subwoofer. Unscrew the 2 factory bolts, if equipped with Premium audio.





3. Mount the new subwoofer box and install the factory hardware to the two mounting positions



4. Installed the Alpine supplied nut to the third factory bolt location.




5. Re-install the factory amplifier and bolts if premium equipped.



6. Re-connect the factory subwoofer plug, place the carpet into position and re-install the upper and lower plastic trim panels.



Documents / Resources

	<p><a href="#">ALPINE PSS-TSLA-213 Sound System</a> [pdf] Instruction Manual PSS-TSLA-213 Sound System, PSS-TSLA-213, Sound System, System</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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