
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.

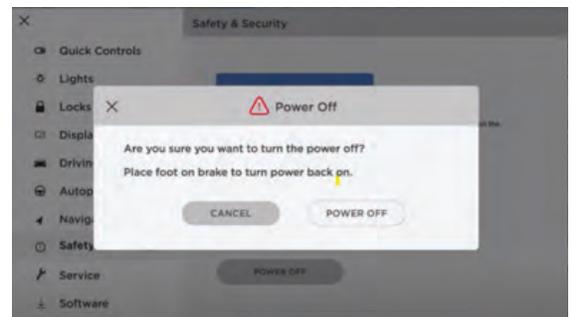
Tesla Model 3/Y Power UP & Down Procedure

- ⚠️ **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
 - Rear Seat is Down (Model Y Only)

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. Release Tab and Pull Up. (To access the battery use 10mm socket to remove the Cowl, Tub & Cabin Filter Housing)



- 3) Remove the Rear Bench Seat Cushion
- 4) Un-Plug the the high voltage contactor under the Rear Seat



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Tesla Model 3/Y Power Up Procedure

- 1) Under the Rear Bench Seat cushion plug-in and latch the high voltage battery contactor pictured.



- 2) Access the Frunk and re-connect the low voltage battery connector.



- 3) Power up the vehicle pressing the brake pedal.

Installation Instructions (Integration Harness)

- 1** To access the front factory amplifier you need access the front passenger kick panel. Using a panel removal tool you will need to remove 3 panels marked below. (#1) (#2) (#3)



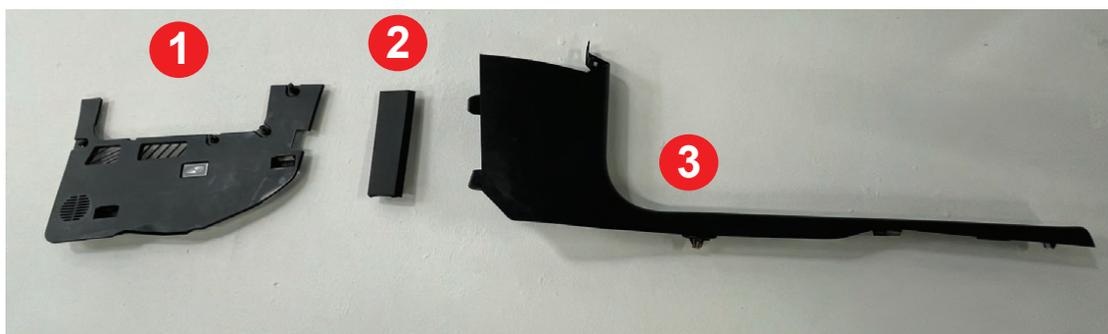
- 2** First remove the under dashboard trim panel (#1) by releasing all retaining clips and pulling. After the panel is detached unplug the speaker and footwell light and stow the panel away,



- 3** Next remove the outer dashboard trim panel (#2) near the door sill followed by the kick panel base board trim (#3)



- 4** Image below shows Panel #1-3 Removed



Installation Instructions (Integration Harness)

5 Inside of the upper passenger footwell locate the factory amplifier pictured.

(PSS-TSLA-223) 2022+

There are two connectors on the amplifier

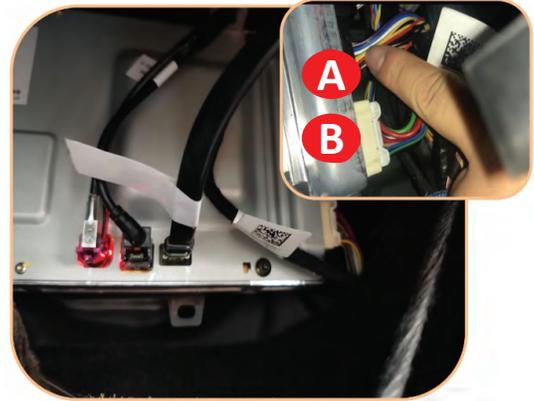
Disconnect the 2 bottom male connectors from factory amp and replace with plugs (A + B) from the Alpine Tesla Harness. Transfer the disconnected connectors into the open ends of the Alpine Harness.

(PSS-TSLA-213) 2021 and earlier

There is one connector on the amplifier

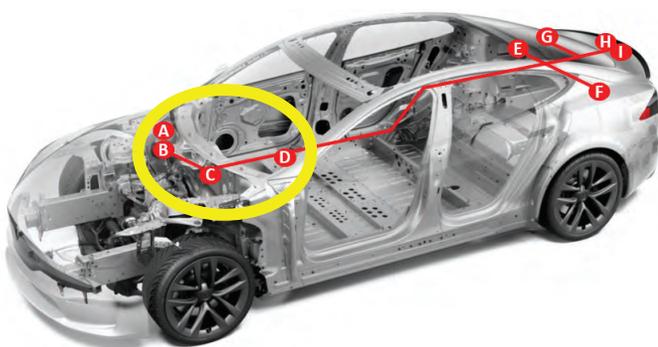
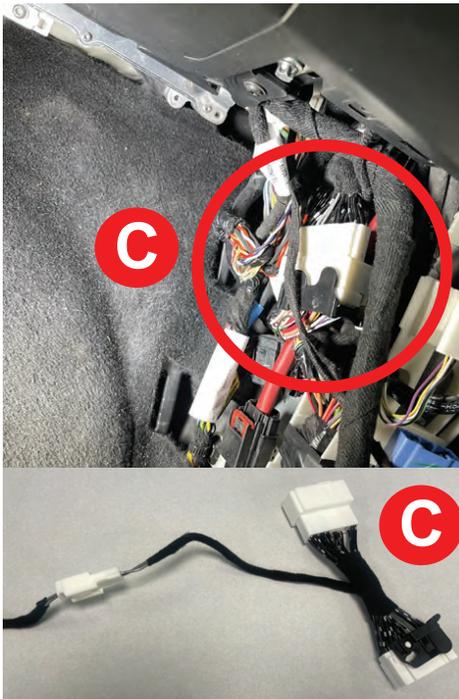
Disconnect the single bottom male connector from factory amp and replace with Plug (B). Transfer the disconnected factory plug into the open end of the Alpine Harness.

2022+ Model Shown
(Dual Plug Factory Amplifier)



6 Route the harness cable from the factory amp and locate the latching plug down to the passenger kick panel and locate the matching plug, disconnect the latch connector and transfer it to the harness. (Plug C)

7 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)



Installation Instructions (Integration Harness)

8 Route the harness to the trunk of the vehicle, remove the seat cushion and trim panel pictured. Leave a proper amount of slack so that your plugs can reach the final amplifier mounting location.



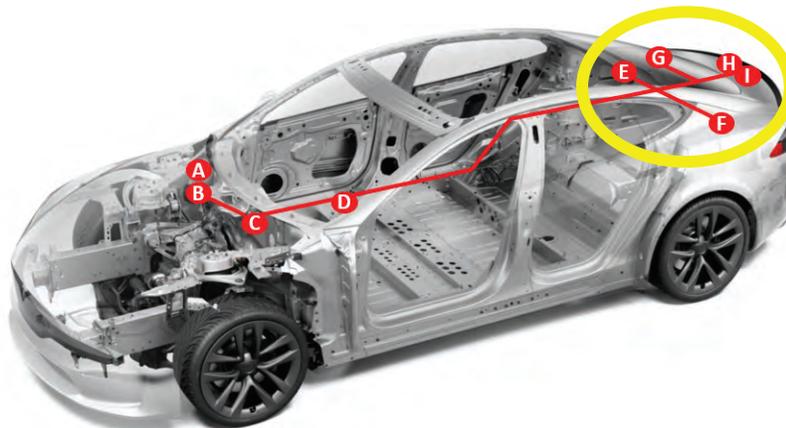
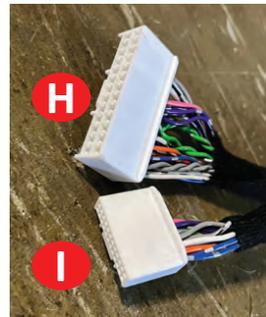
9 Optional:
(Plugs E & F) are routed for rear deck speaker equipped vehicles. (Some Model 3 Base RWD made 2021+ do not have rear deck speakers)



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



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



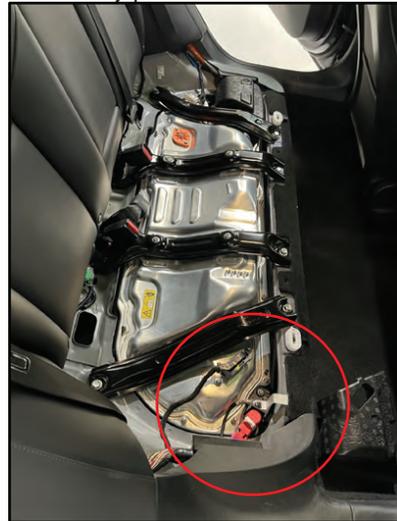
Installation Instruction (Power Harness)

- ⚠️ 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
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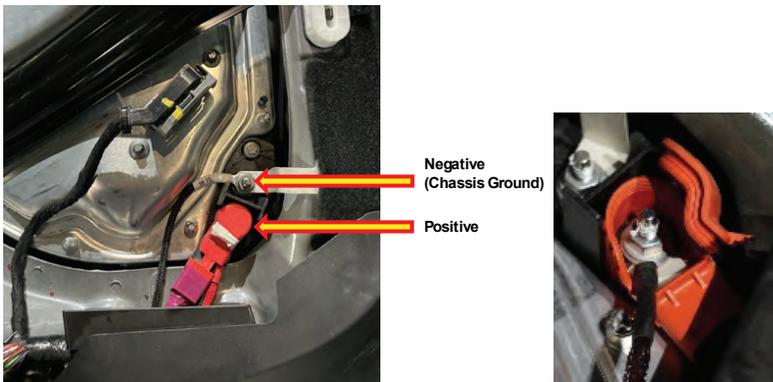
1 Remove the rear bench seat from the Model 3 using the two release latches at the front of the cushion



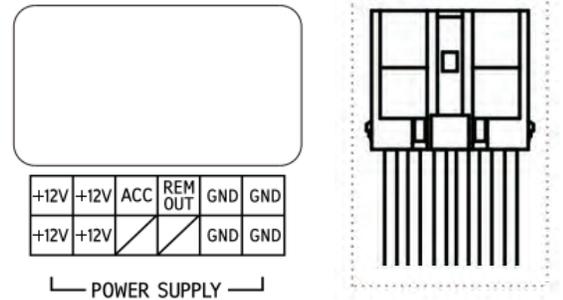
2 Locate the low voltage 12V battery posts in the rear seat passenger compartment (Under the seat) Use a socket to remove the battery post hardware nuts



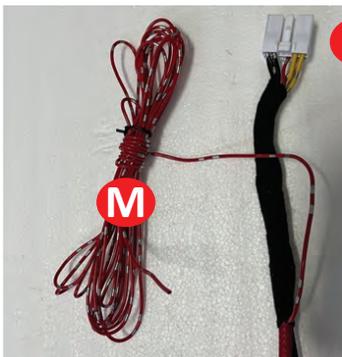
3 Connect the Alpine harness Positive and Negative lug to the low voltage battery posts under the rear seat & re-tighten hardware.



4 Route 12V Power Harness (Plug J) from rear bench seat to the trunk to the amp mounting location.



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



Installation Instruction (Power Harness CP1-S Module)

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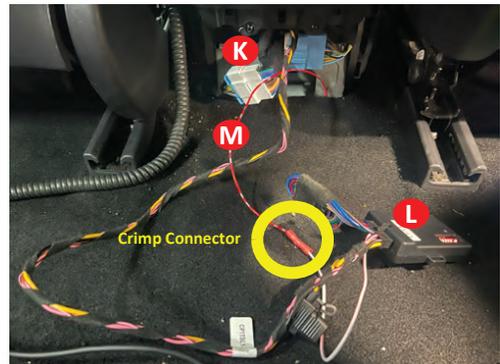
- 1 Use a panel removal tool to remove the lower rear cover of the center console, once removed this should reveal two large plugs.
- 2 Locate and unpack the CP1-S CANPRO and CP1-TSL1



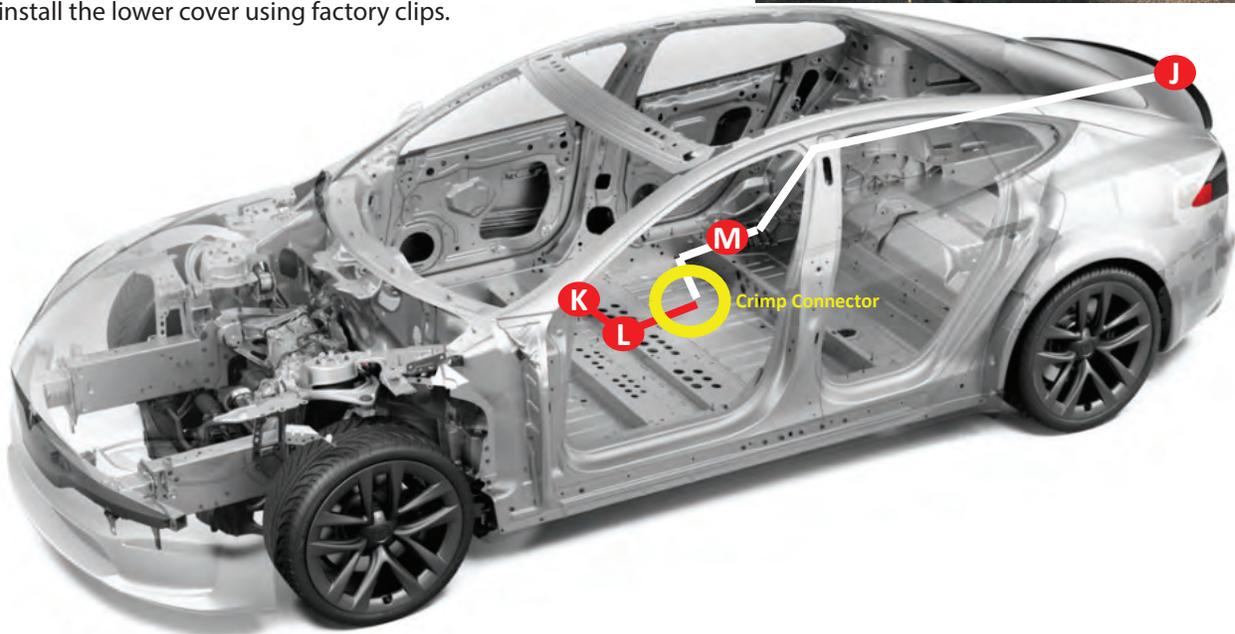
- 3 Connect Harness "K" black plastic molex end with corresponding plug of CANPRO CP1-S Module "L". Set dipswitch 2 to ON position



- 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"



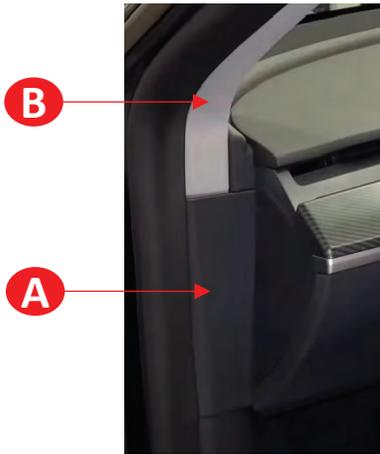
- 5 When finished tuck all excess wiring and CANPRO module into the rear center console compartment and re-install the lower cover using factory clips.



Dashboard Speaker Installation (EV-40MR-T)

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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 for easier access



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 If your vehicle is equipped with a center speaker 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, un-plug the factory panel connections including the green speaker plug.
 (Note: Some cables are non removable leave the door panel resting on a soft ground surface)



- 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 factory 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. Re-install the Red Reflector Clips

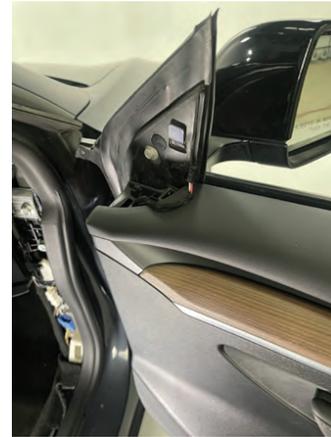
Front Door Tweeter Installation (EV-65CF-T)

- ⚠️ FULLY POWER DOWN YOUR TESLA AND DISCONNECT BATTERY BEFORE CONTINUING. SEE POWER DOWN PROCEDURE
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- 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 to the housing by positioning the lock tabs and 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.

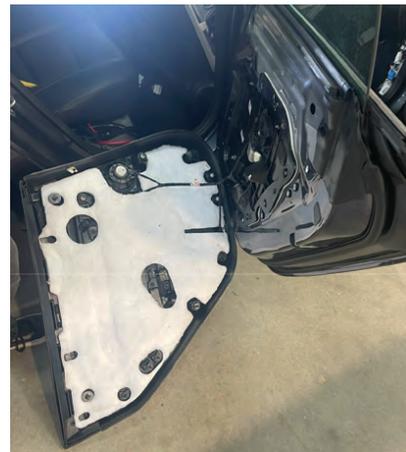
Rear Door Speaker Installation (EV-40M-T)

- ⚠ 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



- 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



- 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 Hatch Speaker Installation (EV-40M-T)

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- ⚠ 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 Un-install 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)

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- 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 If equipped with Premium audio 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.