

# WESTNAV

## Audi C7 – C7.5

# Installation Manual

## (A6, A7, S6, S7, RS6, RS7)



# WESTNAV

## **WARNING**

Installation errors may arise during the first installation or removal of the device if the instructions provided by **WESTNAV** are not followed. We know you're a naturally bad at following directions. For the benefit of everyone concerned, please at least review the pages that follow.

- a. Not a sound? (Refer to the installation manual's page 13)
- b. Interface for Static Factory? Is the factory interface's resolution incorrect? Are the buttons and knobs on the factory MMI broken? (Installation manual's page 1)
- c. The factory MMI buttons and knobs are still not working even after taking the above step. (Refer to this manual's page 10)

### ***Often Asked Questions or Common Errors***

**Q: The parking view button, the start/stop button, the spoiler button, and the passenger airbag off warning signal are not functioning.**

A: You need to insert the tiny plugs back behind the buttons. You forgot to do so. Feel beneath the MMI CD player's fascia with your finger.

**Q: An ACC/Breaking Guard error occurs.**

A: Many systems must be nominal in order for the adaptive cruise control system to function. When the S3,S4 system reboots while you are driving, an ACC/Breaking Guard alert will display. In the next ten seconds, it ought to vanish. Check the following if the warning continues.

**Q: The DTC code for the J794 5F MMI Media Unit has many faults.**

A: Screen mechanism faults, implausible signals, intermittent signal errors, and 00259 are all typical. The original Audi screen is not present, as indicated by error code 00259 and the screen mechanism fault. Additional faults are noted when the S3, S4, and MMI console are being used by Android systems. The problem codes you now have do not affect your factory warranty.



**Caution:** It is advised to have a professional installation. If the working trim surface is not adequately covered, it will be easily scratched during installation!

## 1. Getting Ready for Installation

a. Front panel To install the lower trim, fully extend the steering column adjuster's range of motion to move the steering wheel down and to the rear. Using the removal wedge -3409--arrow-, unclip and remove the trim cover -1-. On the other side of the trim cover, repeat the process.

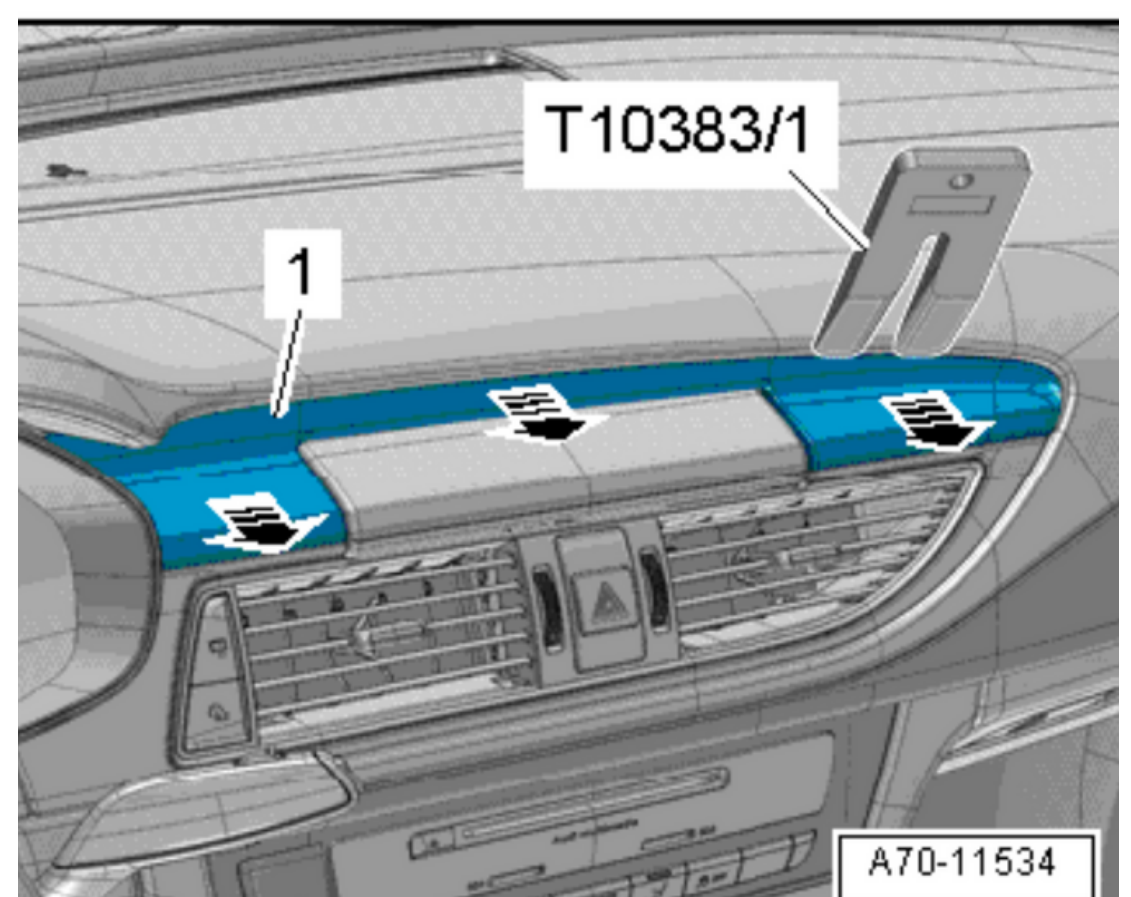
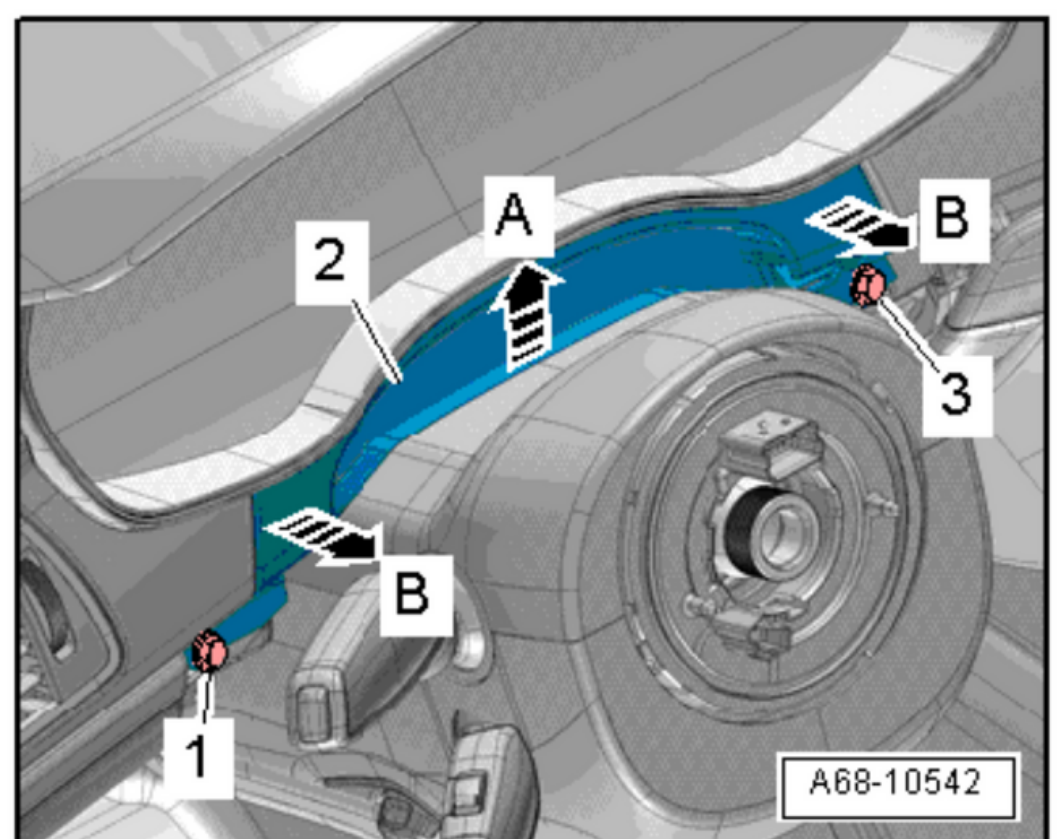
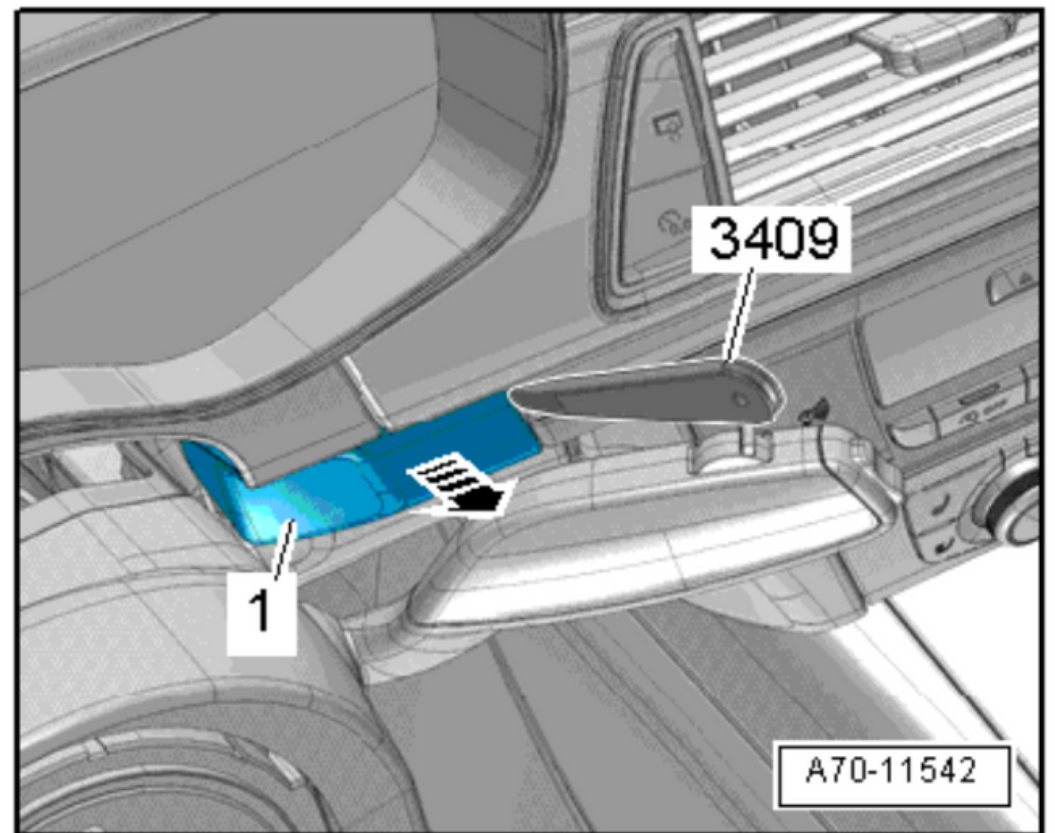
Unfasten the bolts 1-3 and 1-4.

Remove the trim cover -2- for the steering column switch module -arrow A- carefully using a tiny flat screwdriver from the trim (top).

With removal wedge -3409-, remove instrument cluster trim cover clip from dash panel -arrows B-. Take off the trim cover.

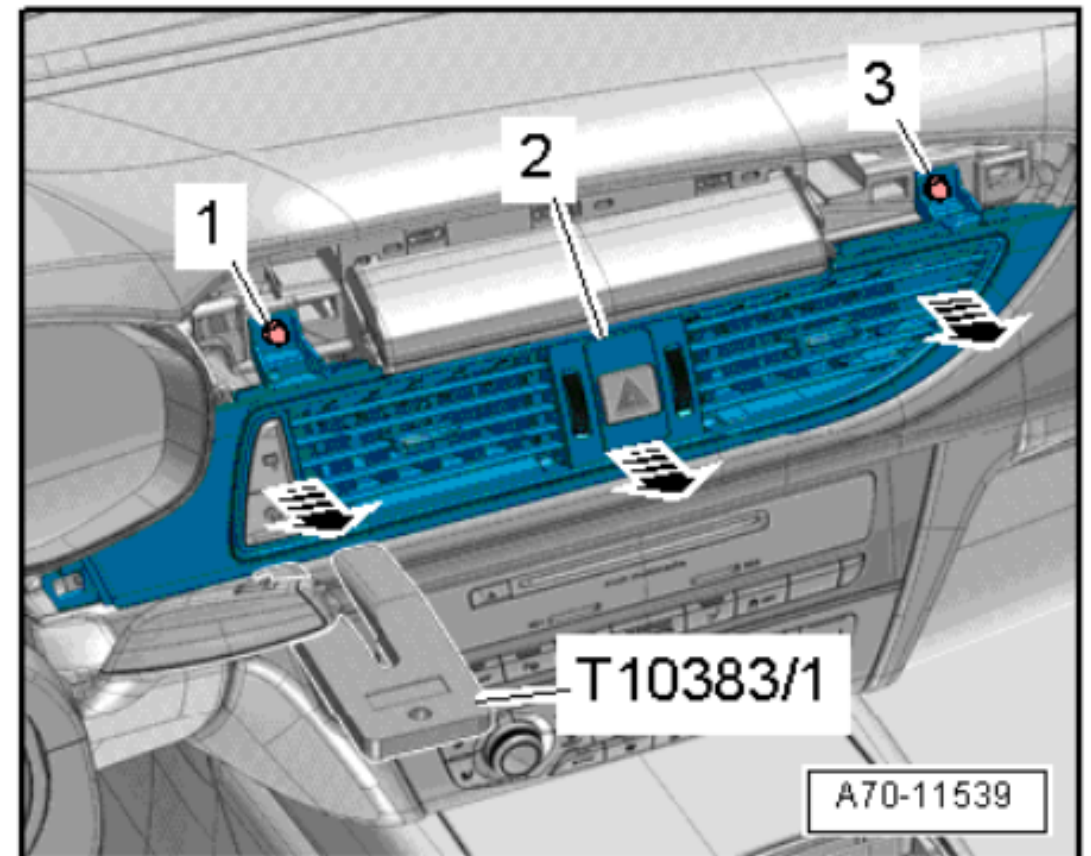
### B. Center cover:

With a wedge, carefully unclip cover -1- for the display unit to arrow the direction and detach.



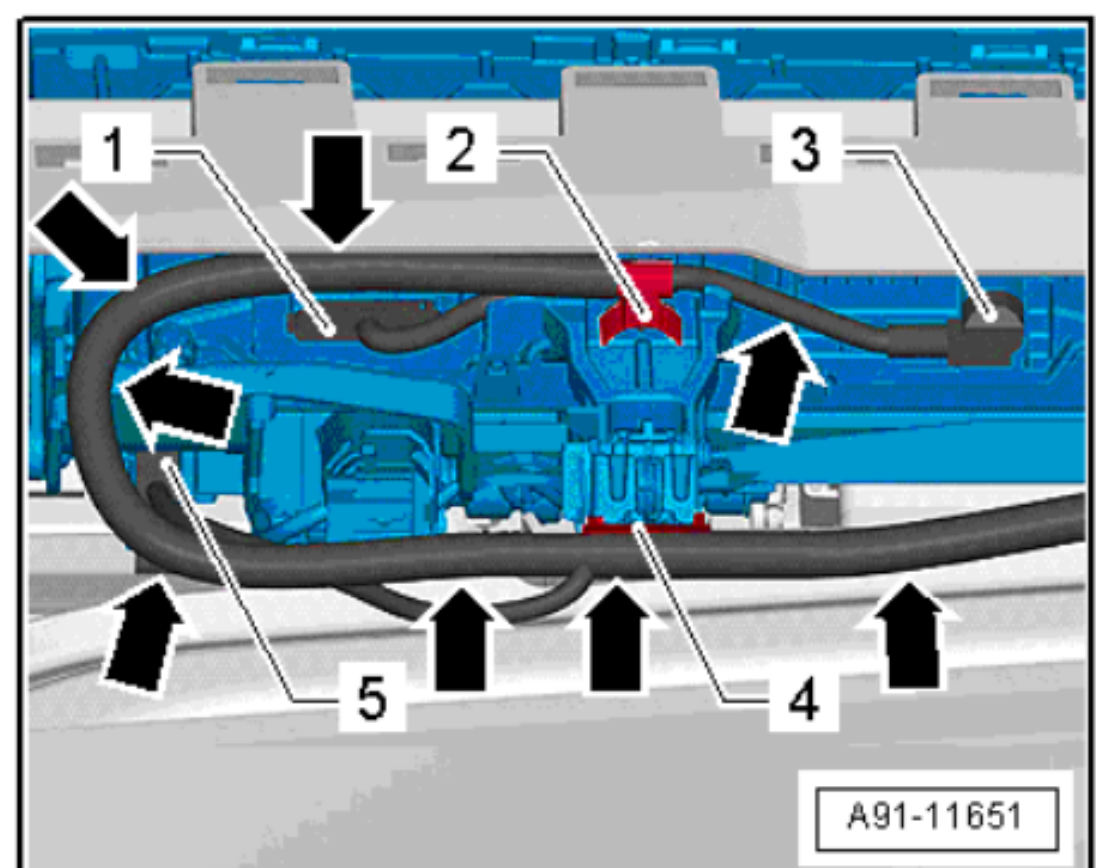
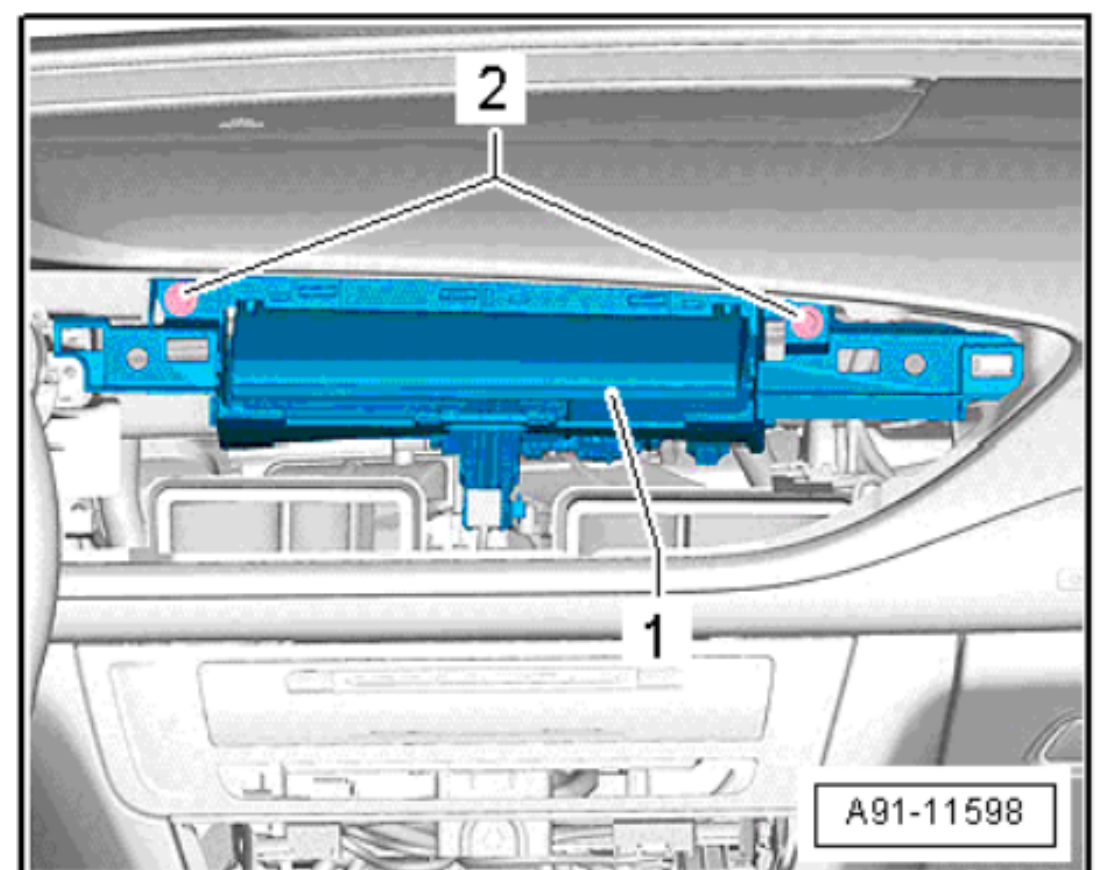
C. Center Dash Panel Vent:

1. Remove bolts labeled as -1- and -3-.
2. Utilize wedge tool -T10383/1- to pry the dash panel vent -2- out of the dash panel towards the rear direction indicated by the arrows.
3. Disconnect electrical connectors and detach the dash panel vent.



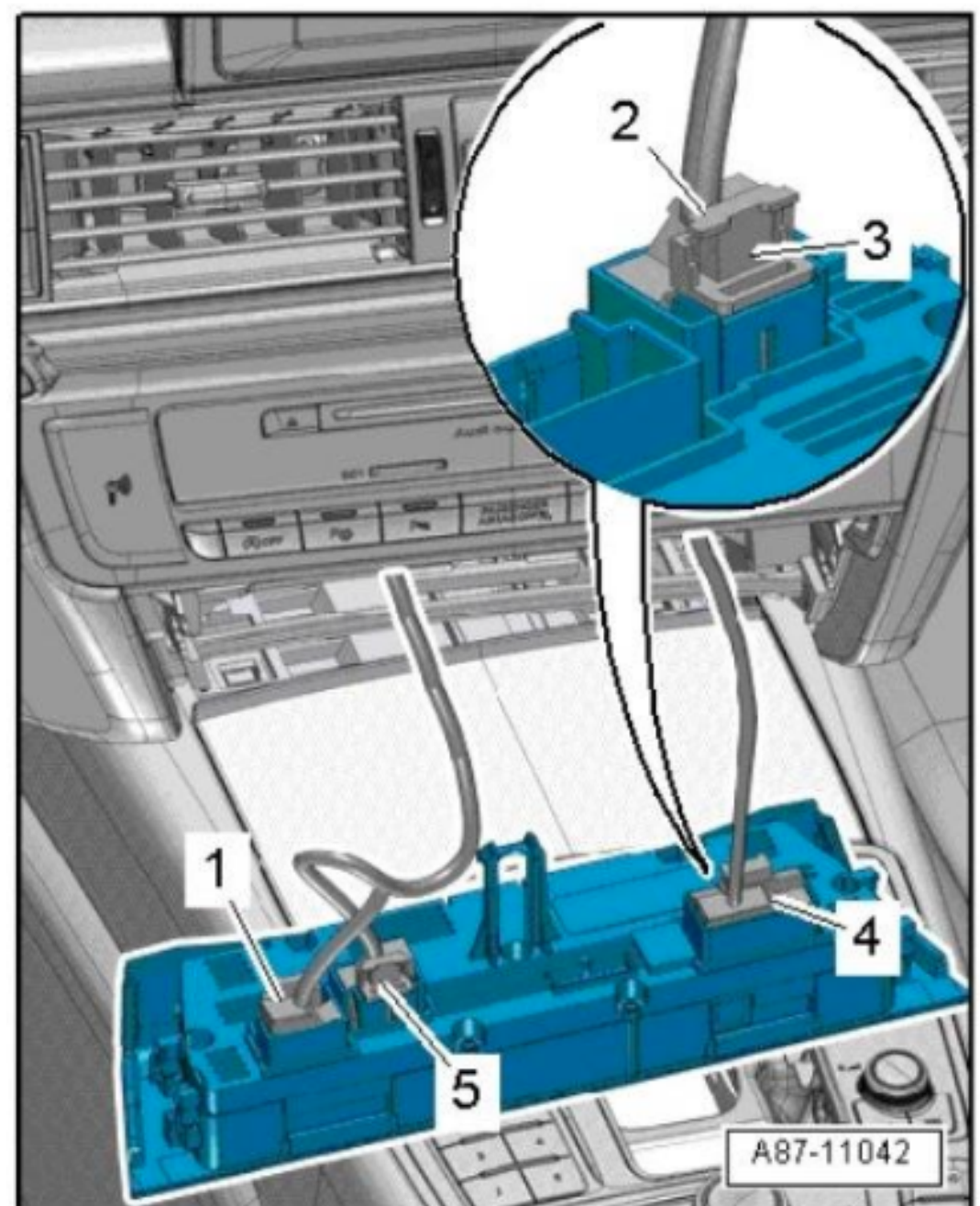
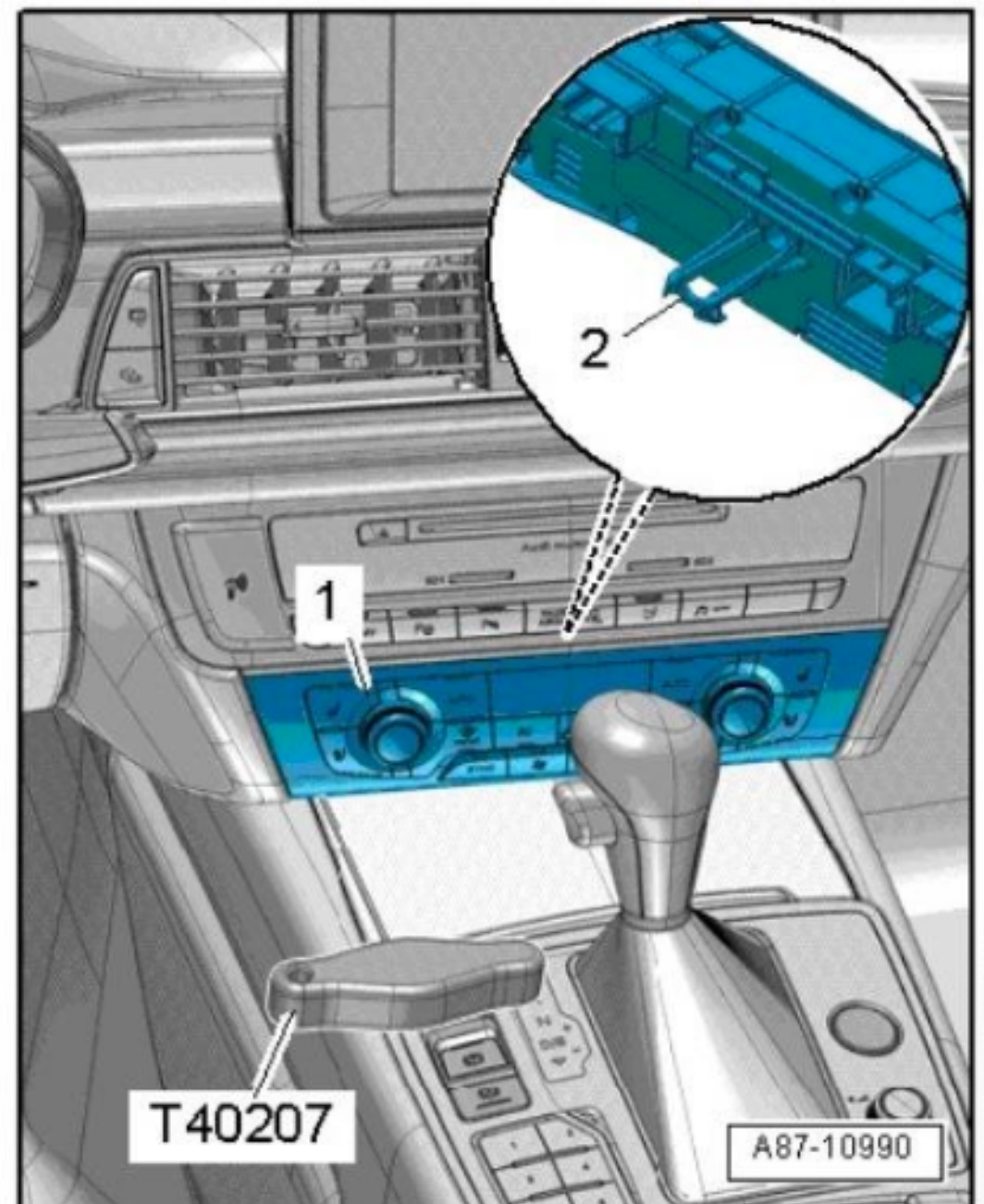
D. Removing the Factory Screen:

1. Remove bolts labeled as -2- and pull the display unit for the front information display and operating unit control unit -J685- -1- out of the dash panel until connectors on the reverse side are accessible.
2. Start by disconnecting the wiring clip labeled as -4-, followed by the display connectors -1- and -3-, then the wiring clip -2-, and finally unplug the connector for the motor -5-.
3. Pull the display unit for the front information display and operating unit control unit -J685- completely out of the dash panel.
4. The center speaker is accessible behind where the factory screen was. If it's inaccessible, you may want to remove the speaker as well.

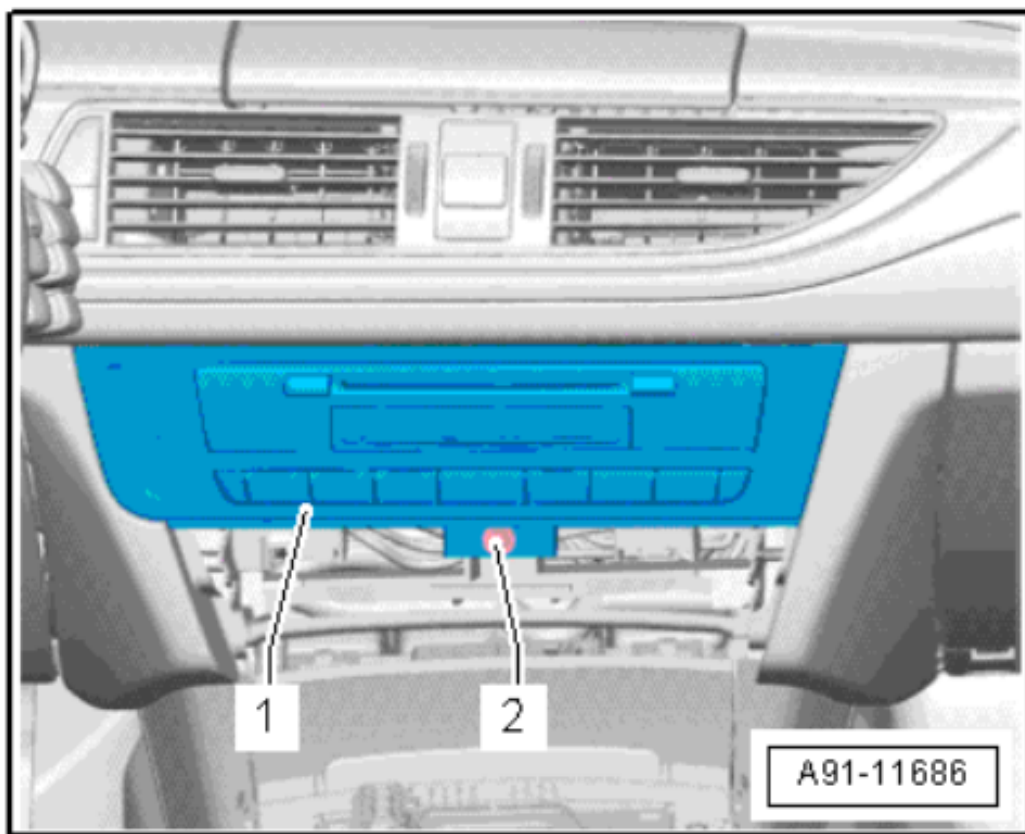


E. Removing Climate Control and MMI Head Unit:

1. Carefully pull the operating unit -1- using the hook - T40207- out of the guides on the left and right until the first detent is reached.
2. Tilt the operating unit downwards slightly and disengage the retaining hook -2- from the dash panel.
3. Unplug connectors by sliding locking elements and press-pulling the locks.



Remove bolt -2- from control unit 1 for the MMI unit -J794- -1-. Pull control unit 1 for information electronics -J794- -1- out of the mounting frame. Release and unplug necessary connectors behind the control unit.



F. Removing centre loudspeaker trim (Do this if and only if necessary) :



**Exercise extreme caution when removing and installing the loudspeaker trim, as the retaining pins for the loudspeaker trim are fragile and can break off easily. Ensure that you apply the removal wedge -3409- at a shallow angle to avoid unintentionally prying out the center defroster vent located beneath the loudspeaker trim.**

1. Use cloth -1- to protect the dash panel from damage.

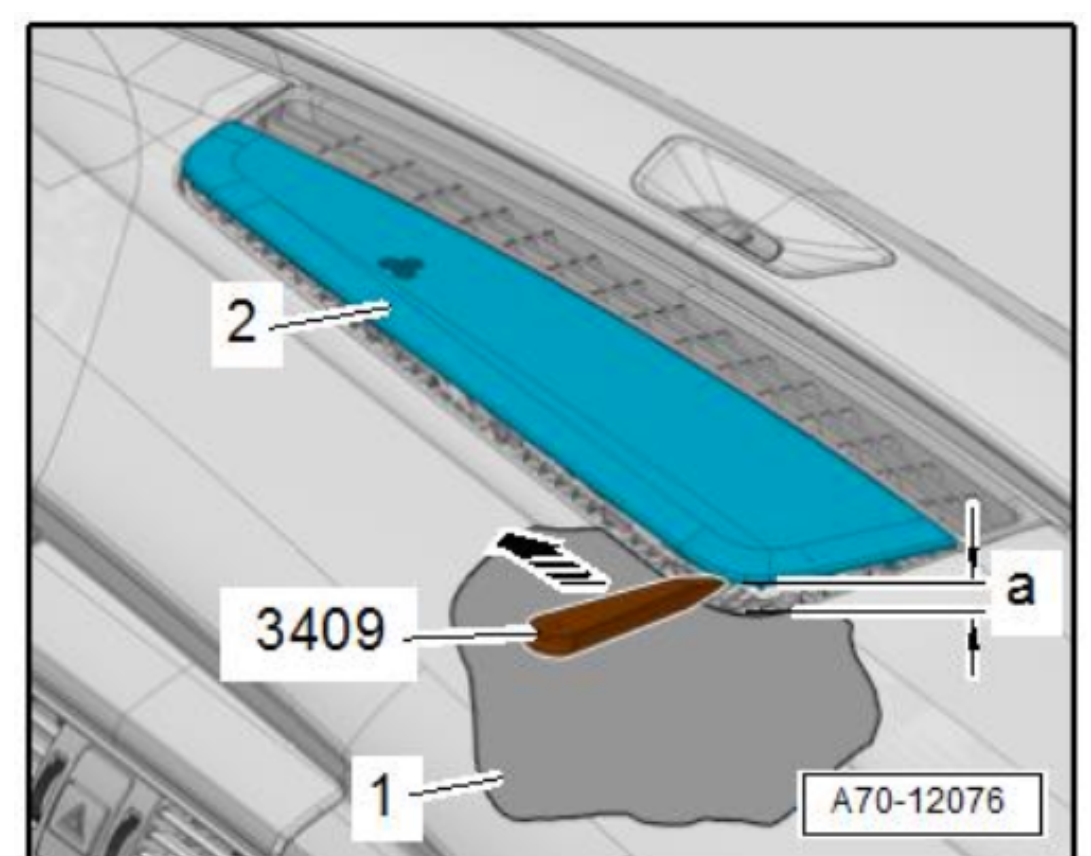
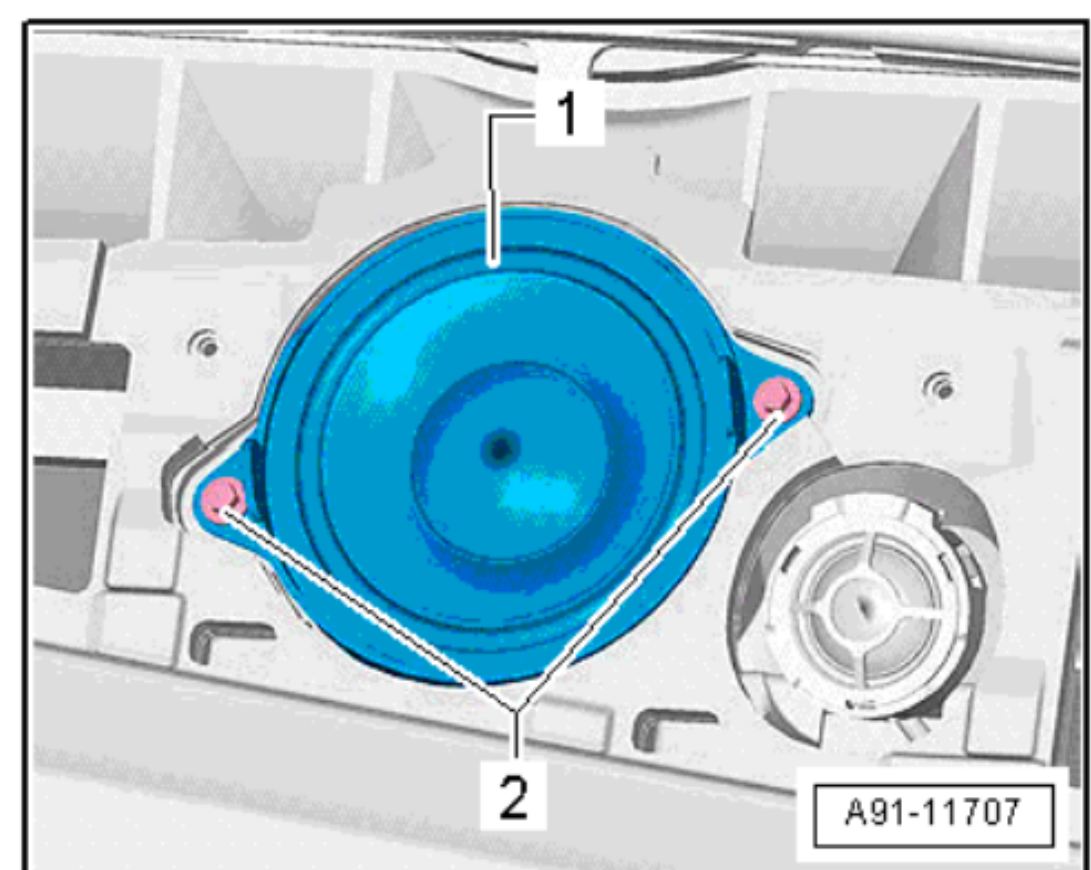
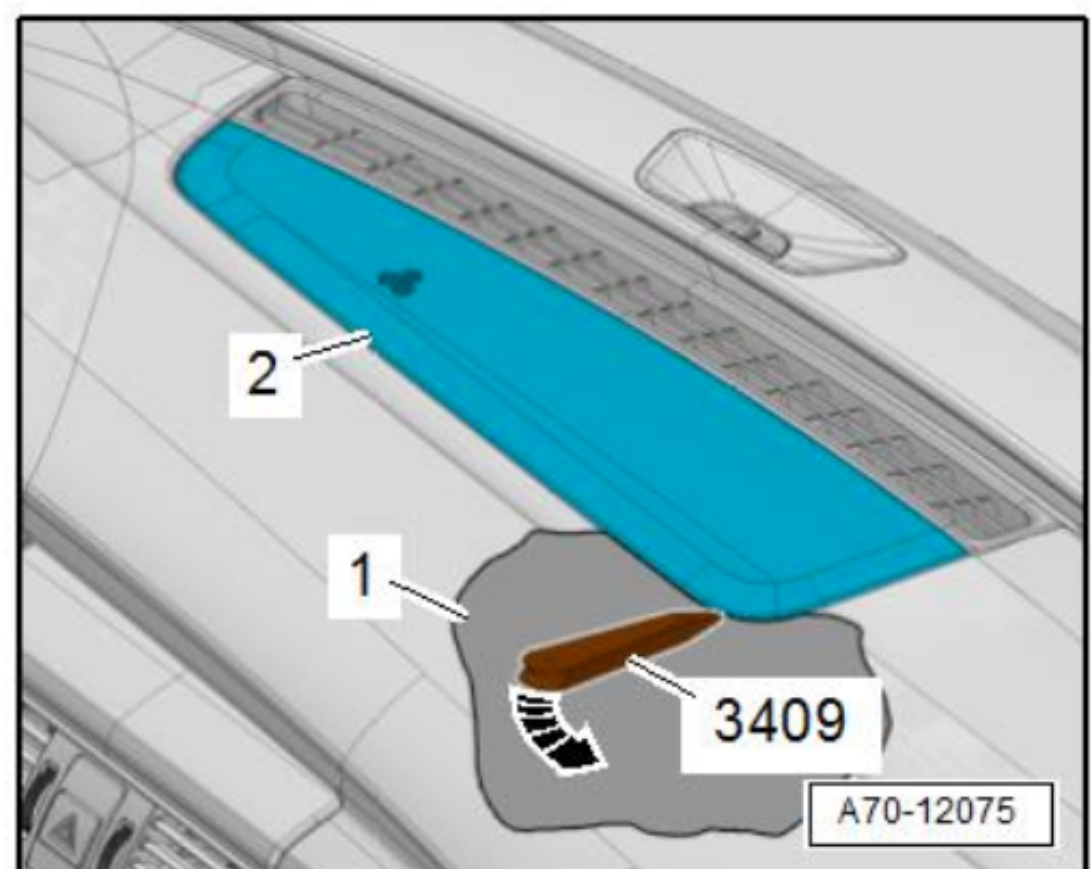
2. With the removal wedge -3409-, carefully disengage the loudspeaker trim -2- starting from the rear right rounded edge -arrow-.

3. Work gradually from right to left -arrow-, continuing to disengage the loudspeaker trim; ensure it is not lifted higher than -a- = 30 mm.

4. Once the loudspeaker trim is fully disengaged at the rear, lift slightly, pull towards the rear, and remove it upwards.

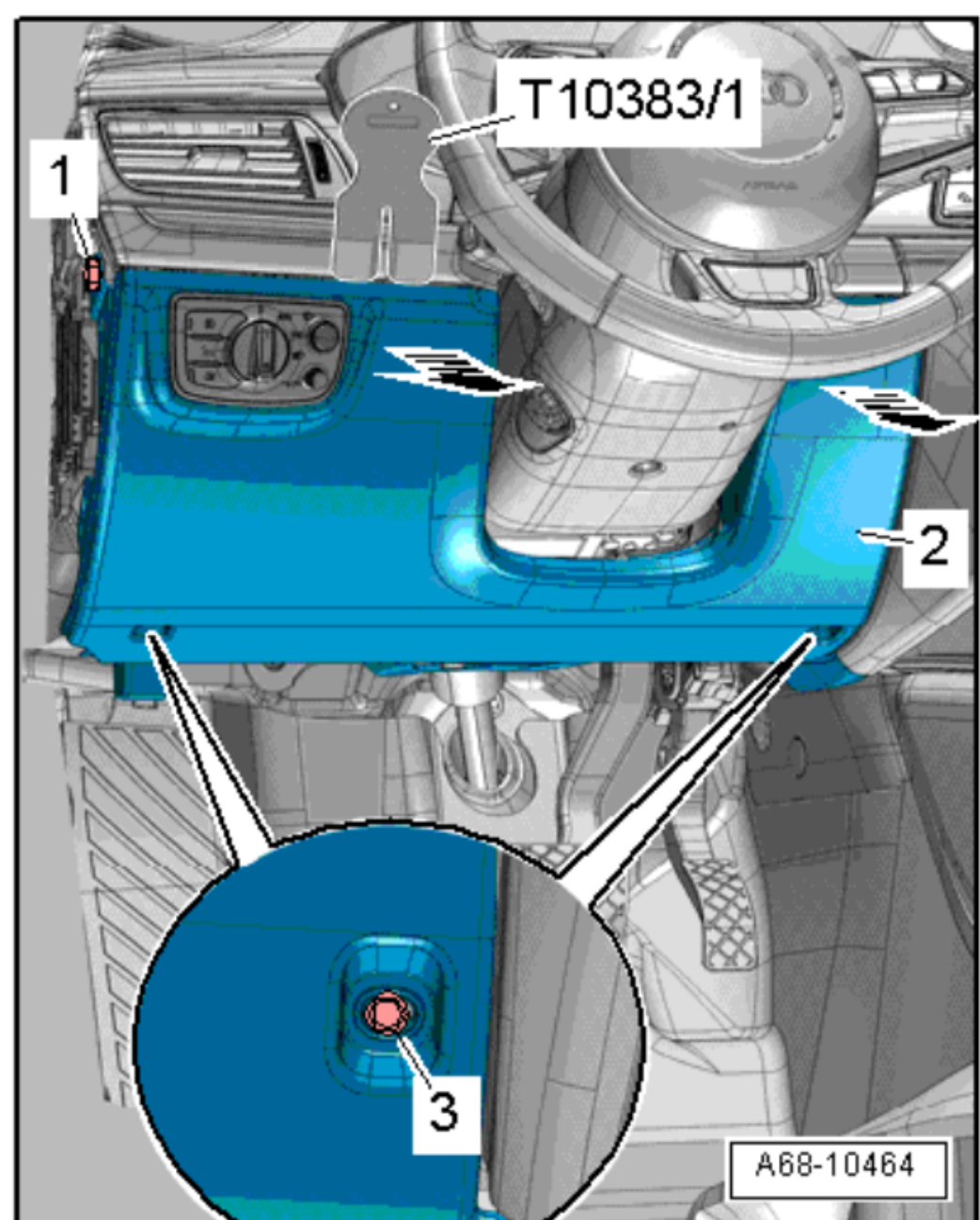
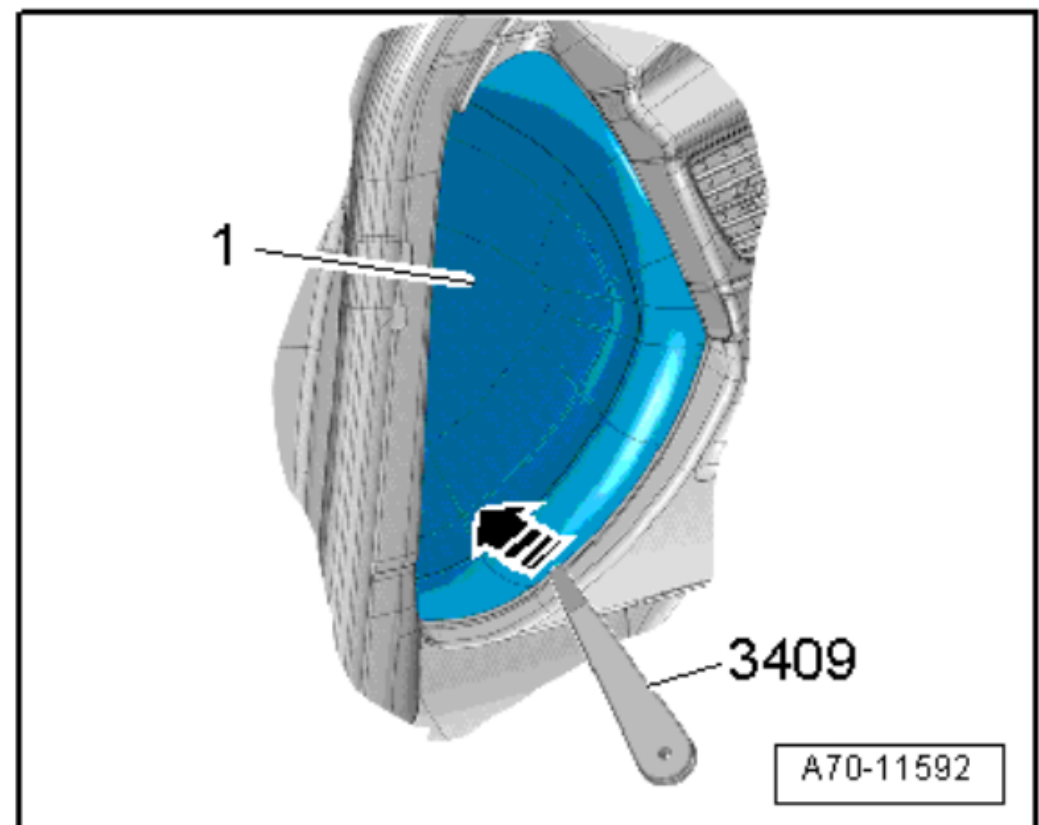
5. Next, remove the center loudspeaker by undoing bolts -2- and releasing and unplugging the connector at the center speaker -1-.

6. Remove the center loudspeaker from the dash panel.



G. Removing Dash Panel Cover (Driver Side):

1. Pry off the dash panel cover (side) -1- using the removal wedge -3409- as indicated by the arrow and detach it.
2. Remove bolt -1- located at the side.
3. Remove bolts -3- at the bottom.
4. Unclip the top edge of the dash panel cover (driver side) -2- from the dash panel using wedge -T10383/1-, following the arrows



**Caution: Certain trim levels may include a knee airbag. If present, do not touch the airbag connector without wearing an anti-static band. For utmost safety, consider disconnecting the battery while working near the airbag. Ignition of the airbag can lead to serious injury.**



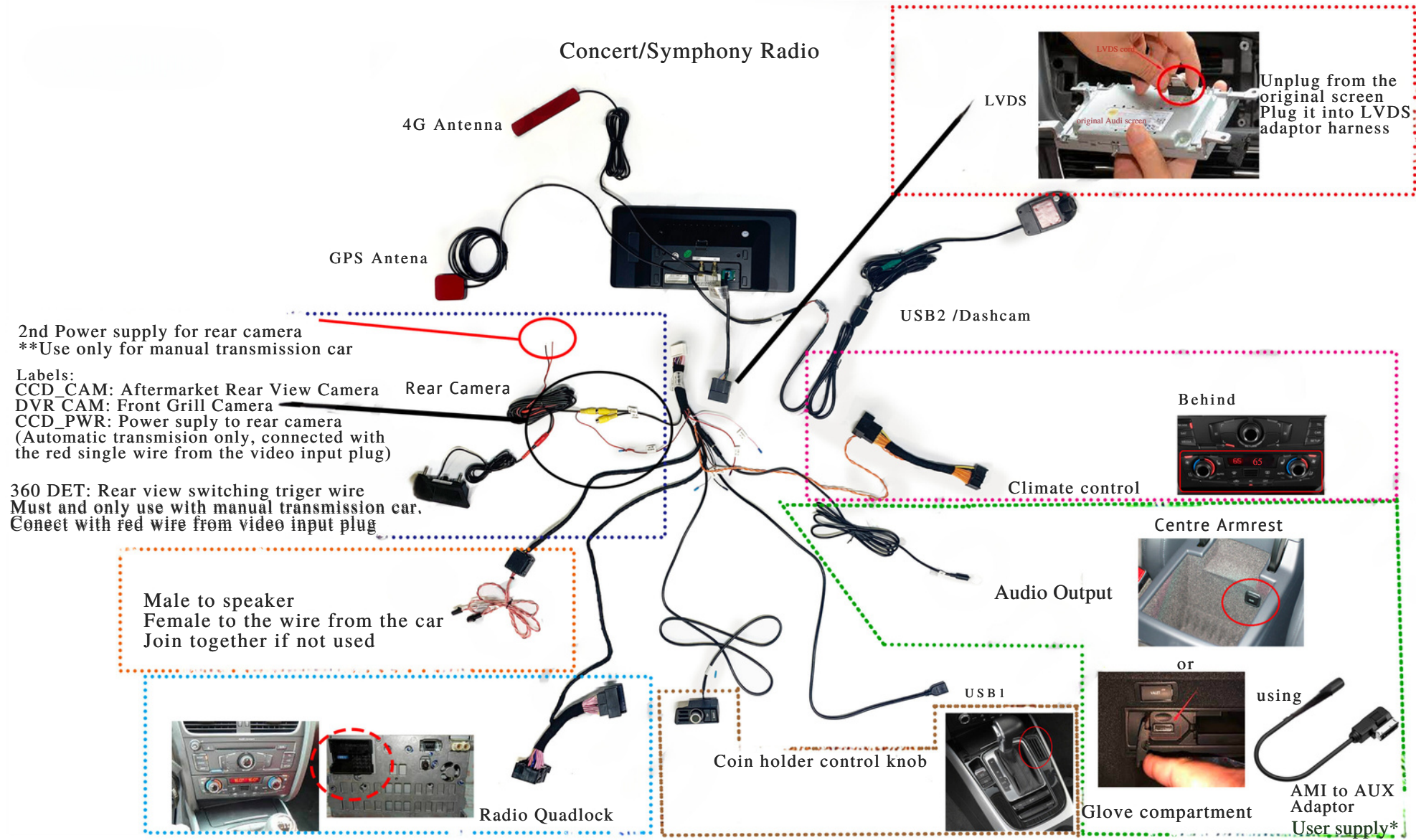
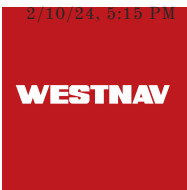
**WESTNAV**



## **2. General Wiring Diagram**

**Before moving further, please  
study the wiring schematic by  
looking over the  
accompanying diagrams.**

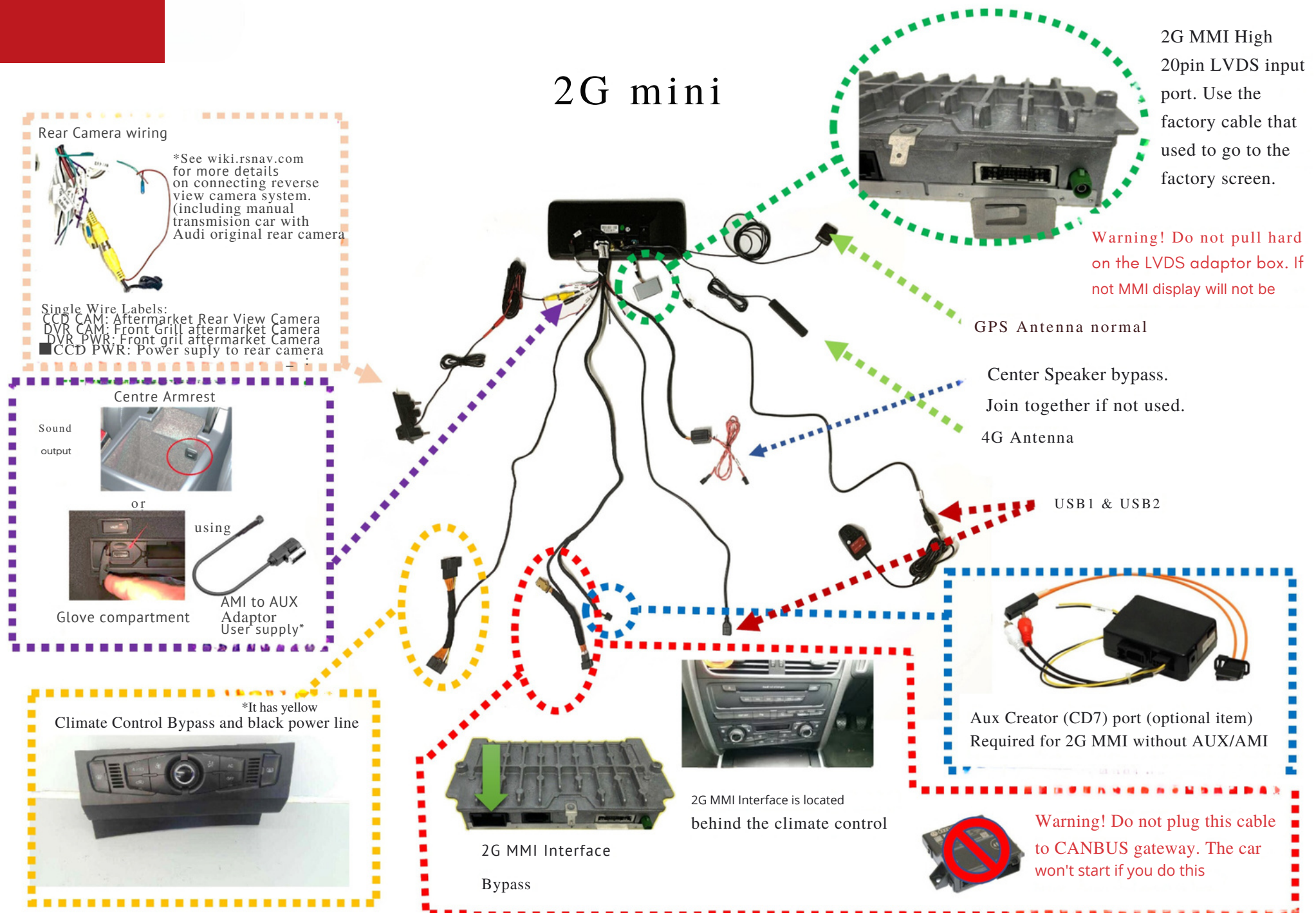
# WESTNAV



# WESTNAV

WESTNAV

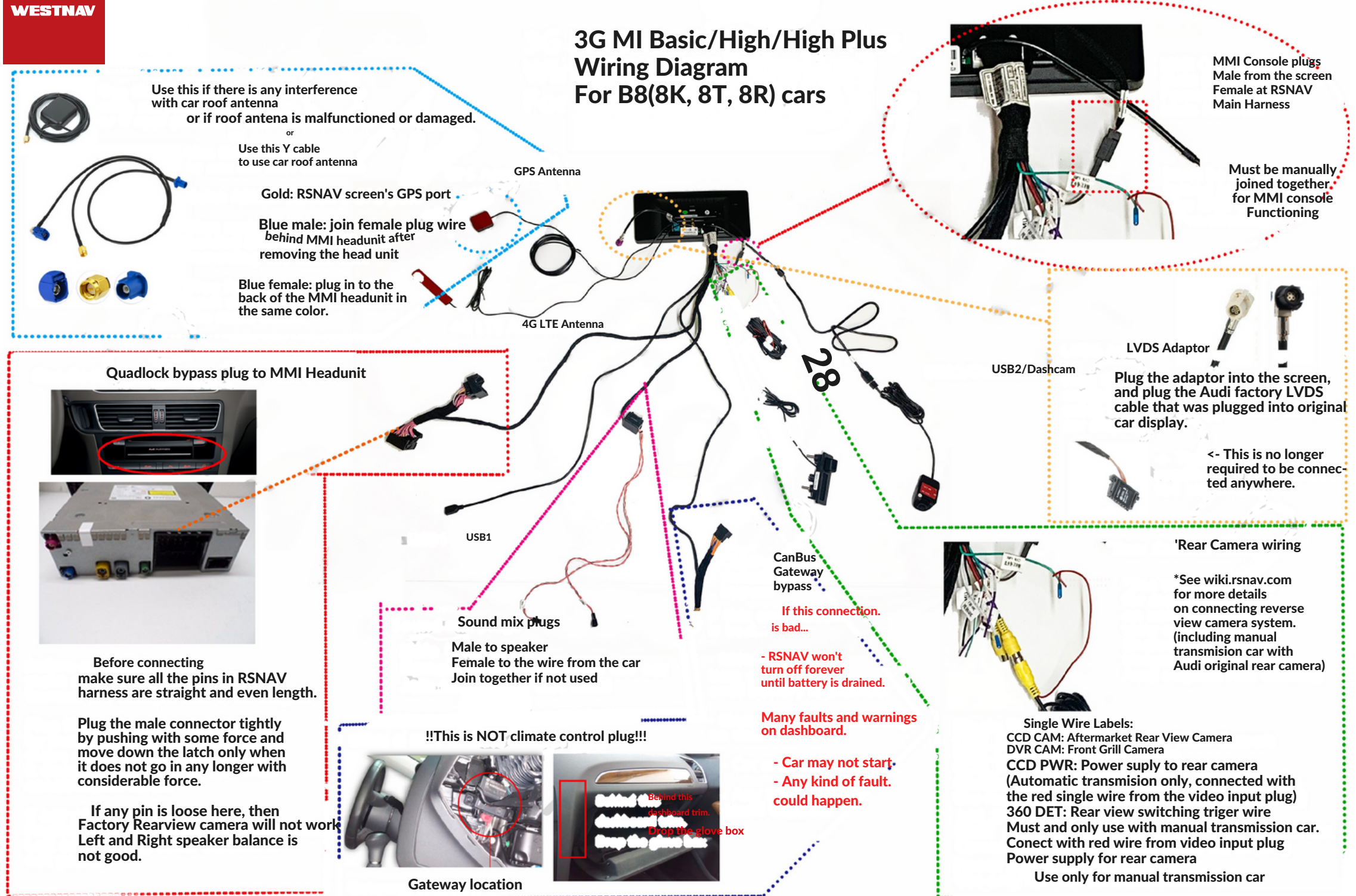
## 2G mini



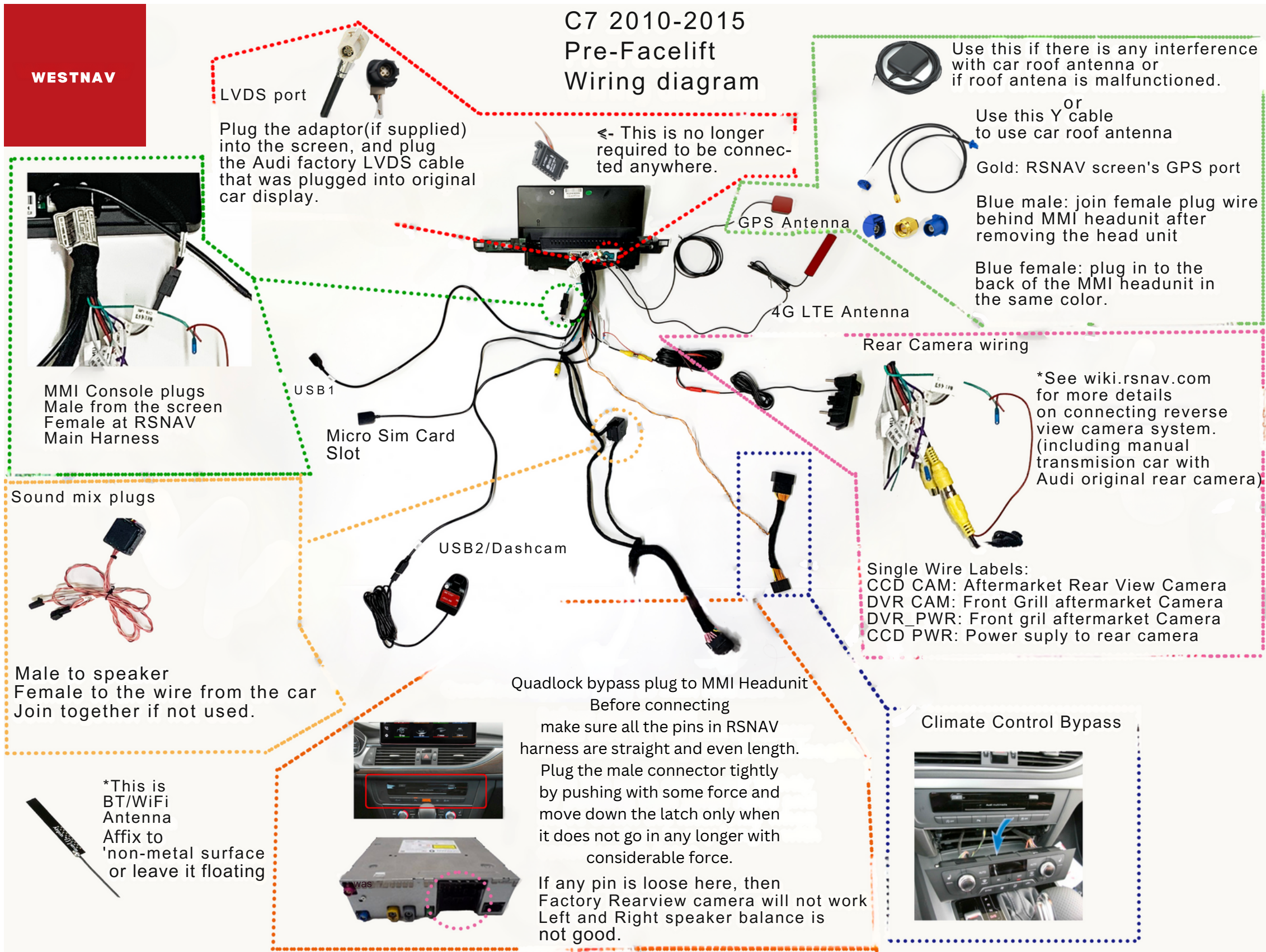
# WESTNAV



## 3G MI Basic/High/High Plus Wiring Diagram For B8(8K, 8T, 8R) cars



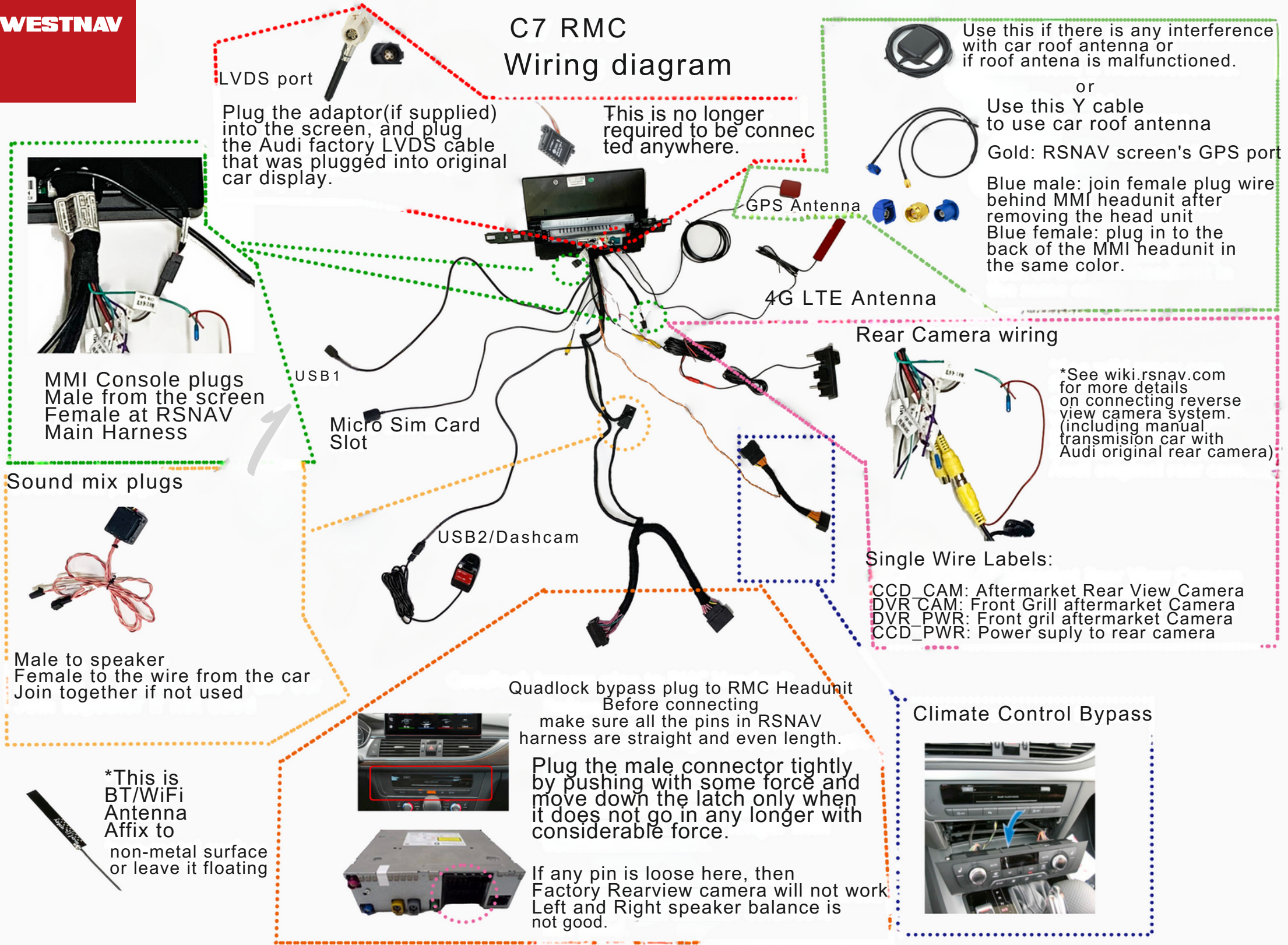
# WESTNAV



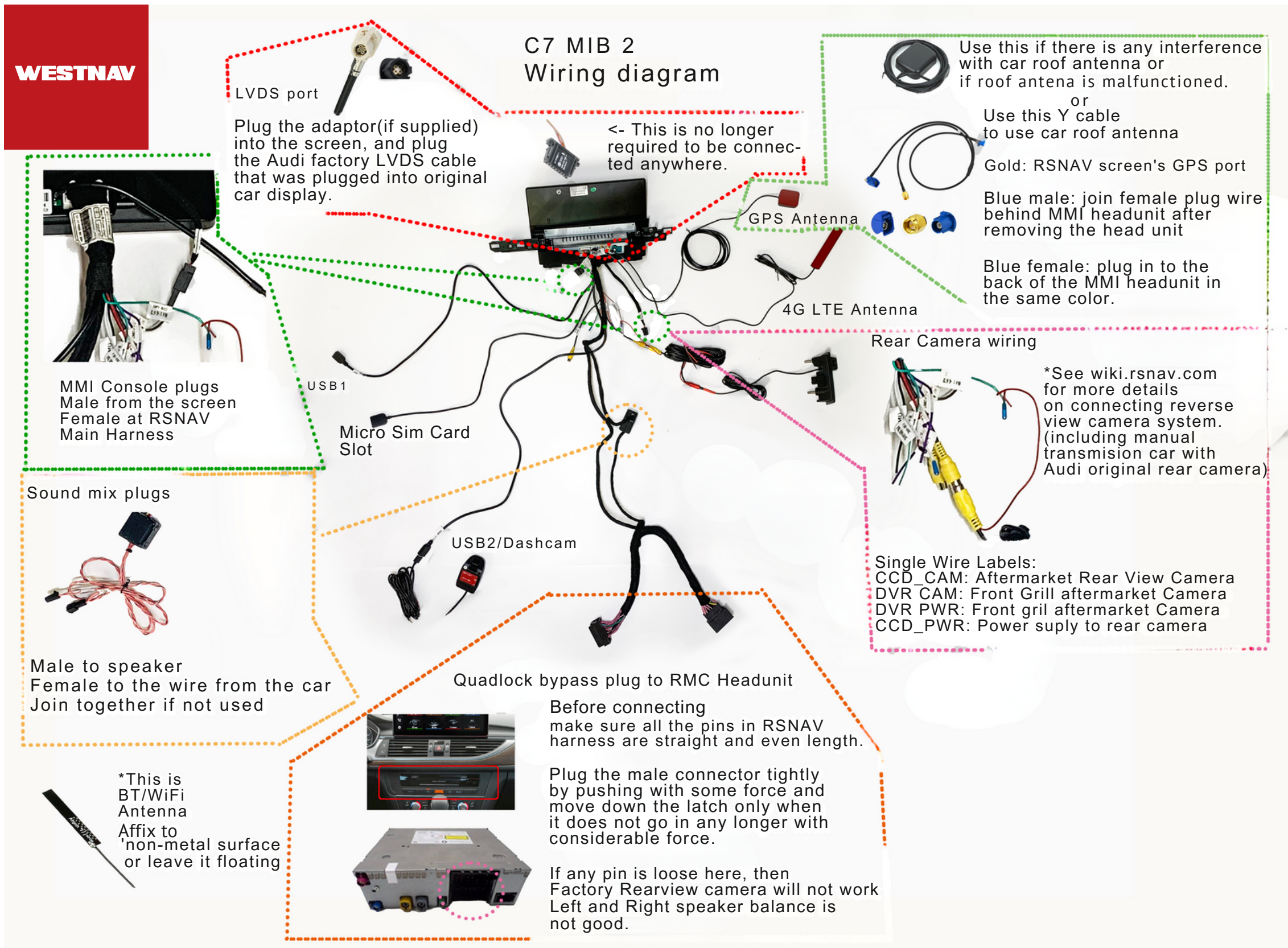
# WESTNAV



## C7 RMC Wiring diagram



# WESTNAV



# 3. Installation

A. Overall perspective after removing the driver's kick panel. The Styrofoam filling the the void needs to be removed to create space. Pull it forcefully, and it will detach.

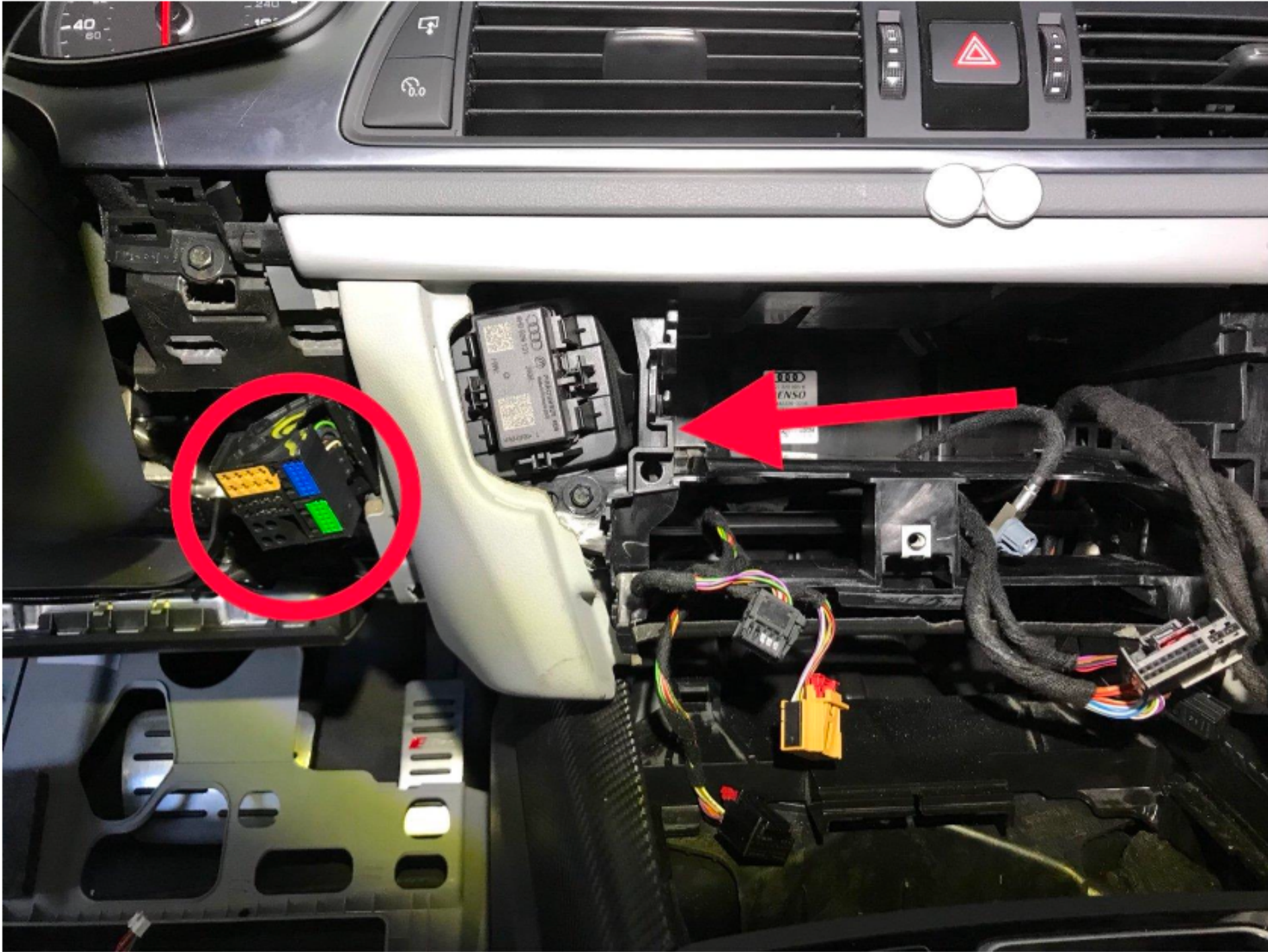


B. Completely remove the MMI unit and examine the space behind the round hole. This will allow access to the factory quad lock plug towards the driver side kick panel area.





Remove the factory original quad lock plug towards the left (right side of the steering column). This step is the most challenging part of the installation.

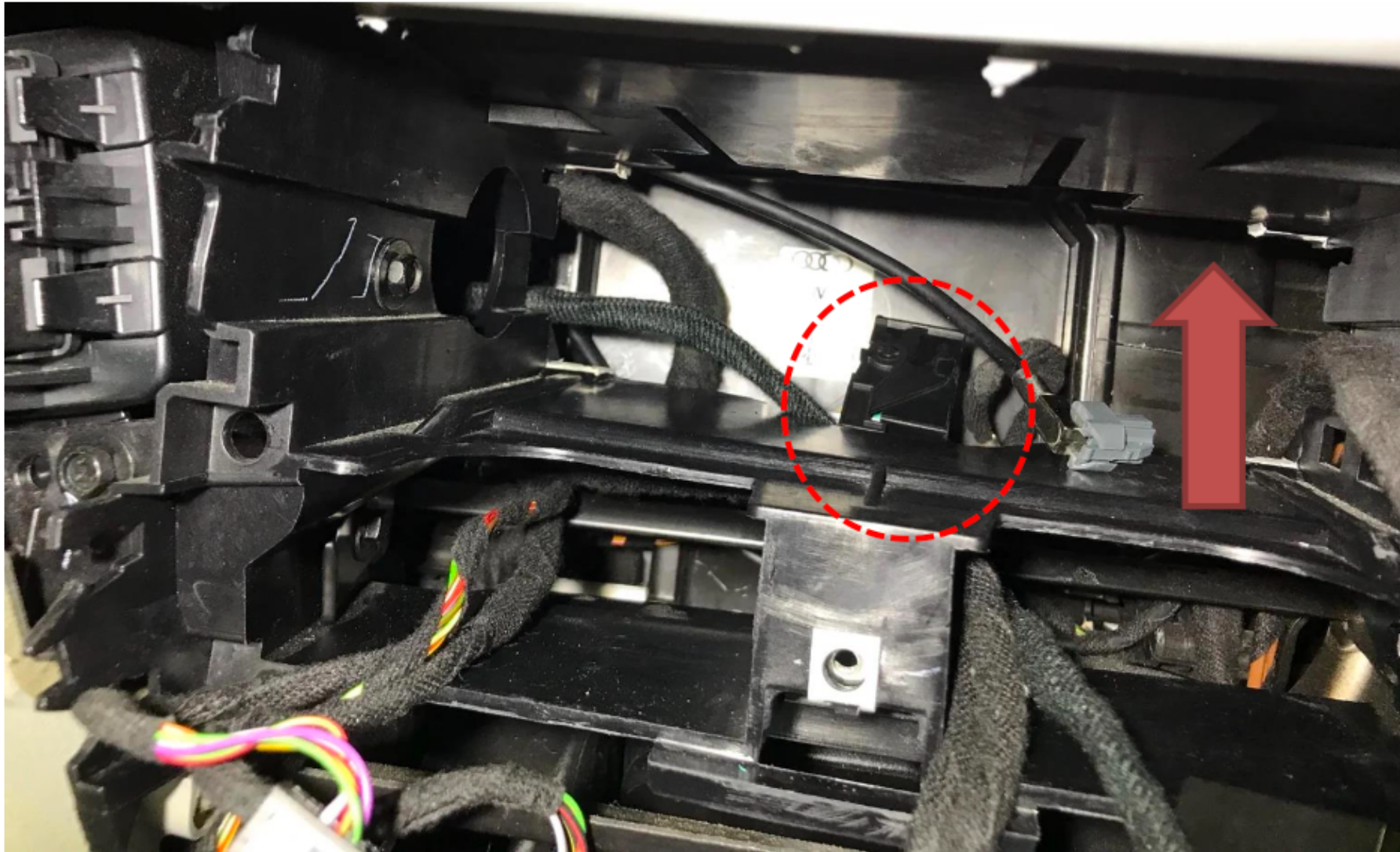


Before working inside the dash frame, wear thin gloves to prevent hand injuries. **Note that the big plug is not removed from the round hole itself but from the vacant space behind the round hole.**



Connect the **WESTNAV** quad lock female plug to the factory male plug.

Route the **WESTNAV** quad lock male plug back to the cavity where the factory quad lock male plug was, as indicated in the circle below. Additionally, guide the **WESTNAV** white connector in the direction of the arrow.



C. Guide the **WESTNAV** white plug into the upper air vent area through the space behind the air ducts.



D. (3G MMI, RMC only) Connect the climate control bypass to the rear of the climate control panel.

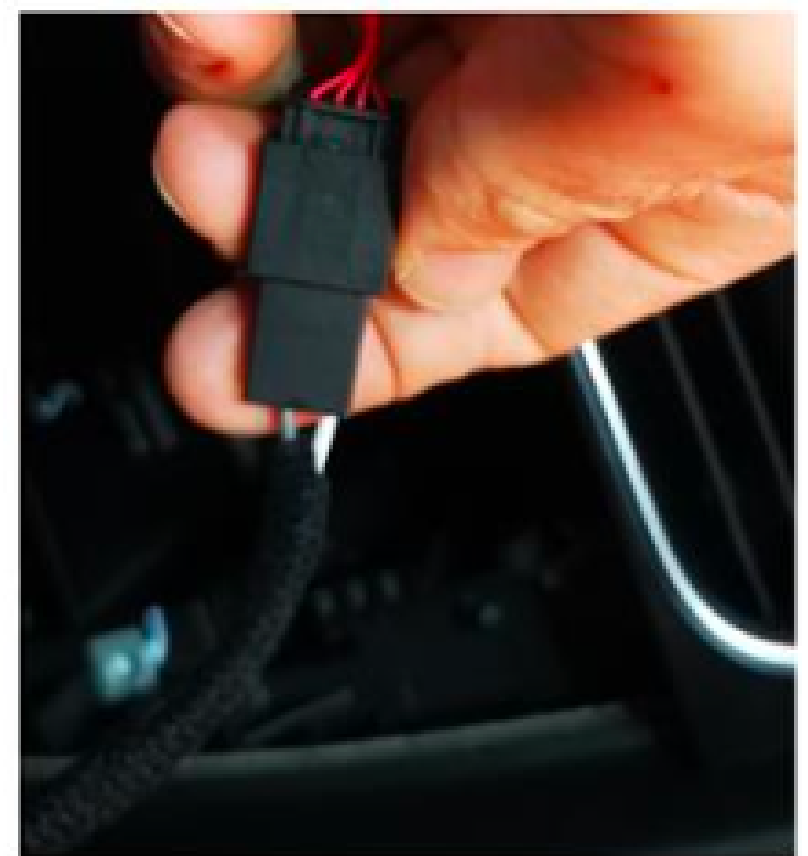
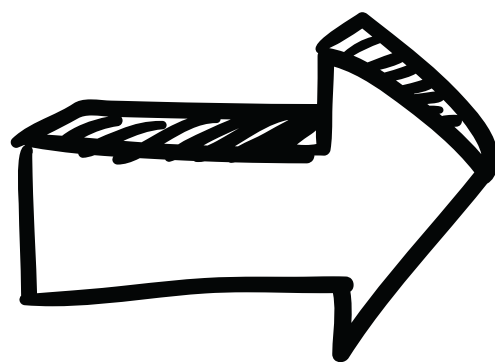


E. To connect the MMI console:

- The screen has a red 4-wire male plug.
- The main wiring harness has a two-wire female plug.

You need to connect the red plug from the screen to the female plug on the main wiring harness.

For 3G MMI devices, you need to manually connect these connectors to ensure the MMI console works properly.



F. Installing the Y-GPS bypass:

A: Connect to the back of the MMI head unit (CD Player).

B: Connect to the back of the WESTNAV Android device.

C: Connect to the car's GPS wire that is detached before the installation prep.



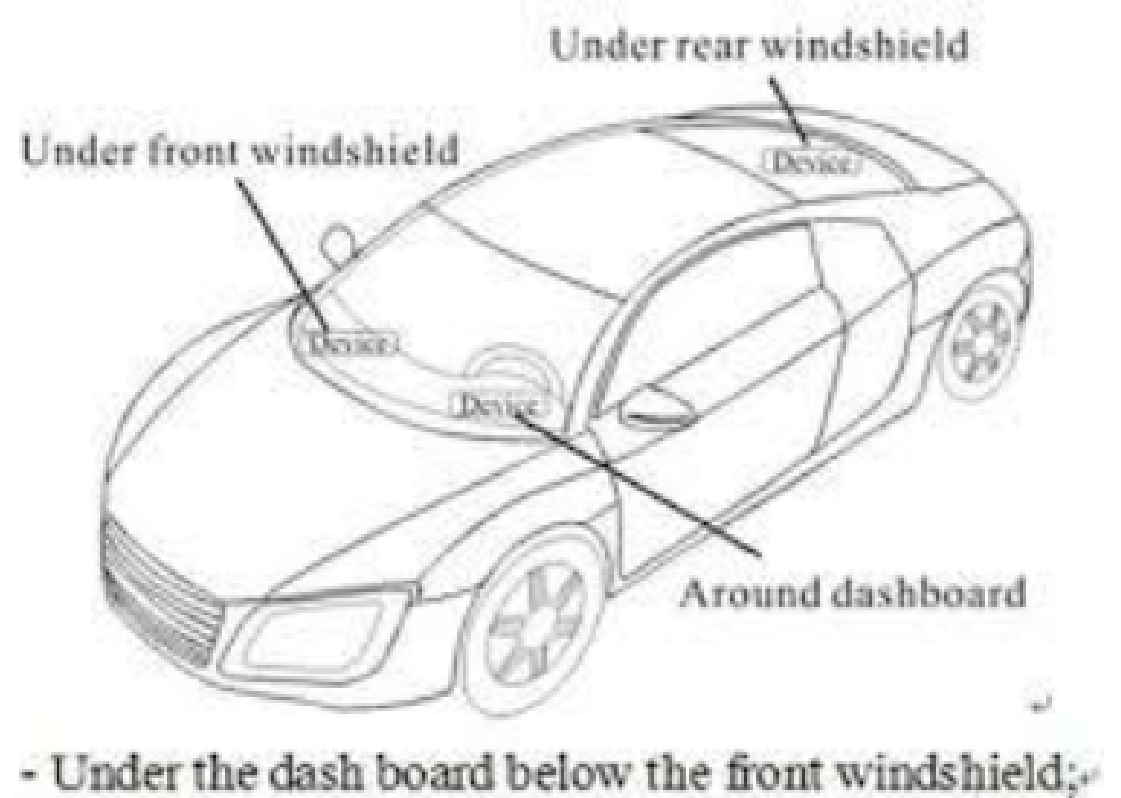
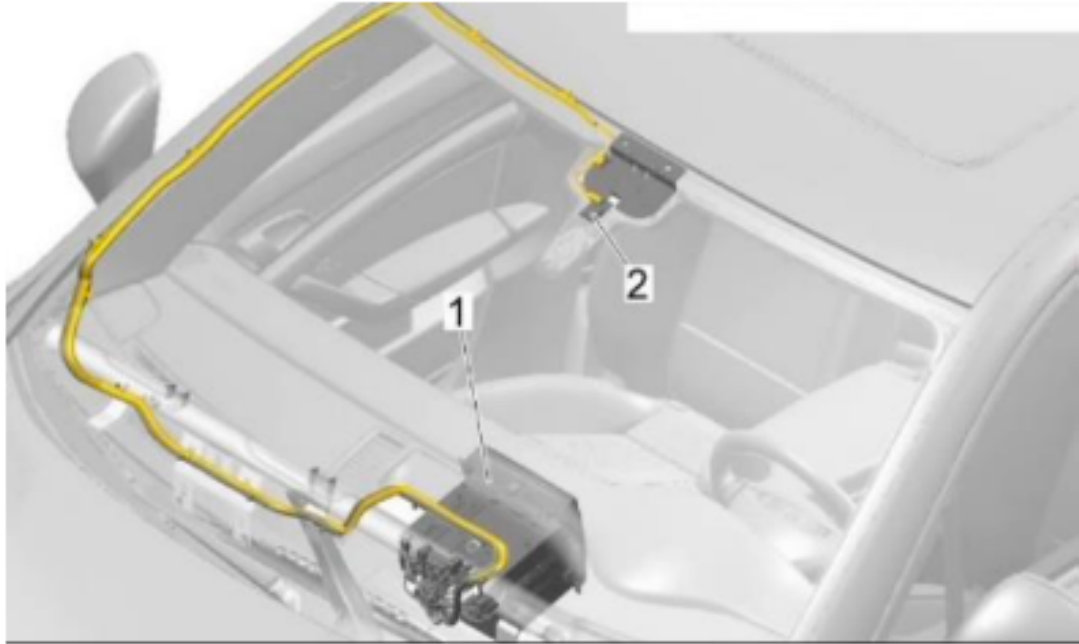
A

B

C

G. Attach the antenna to the designated spot on your device or vehicle.

The best place to install the cellular antenna is near the rear-view mirror. Keep in mind that signal reception can vary because each vehicle has different rates of signal penetration.

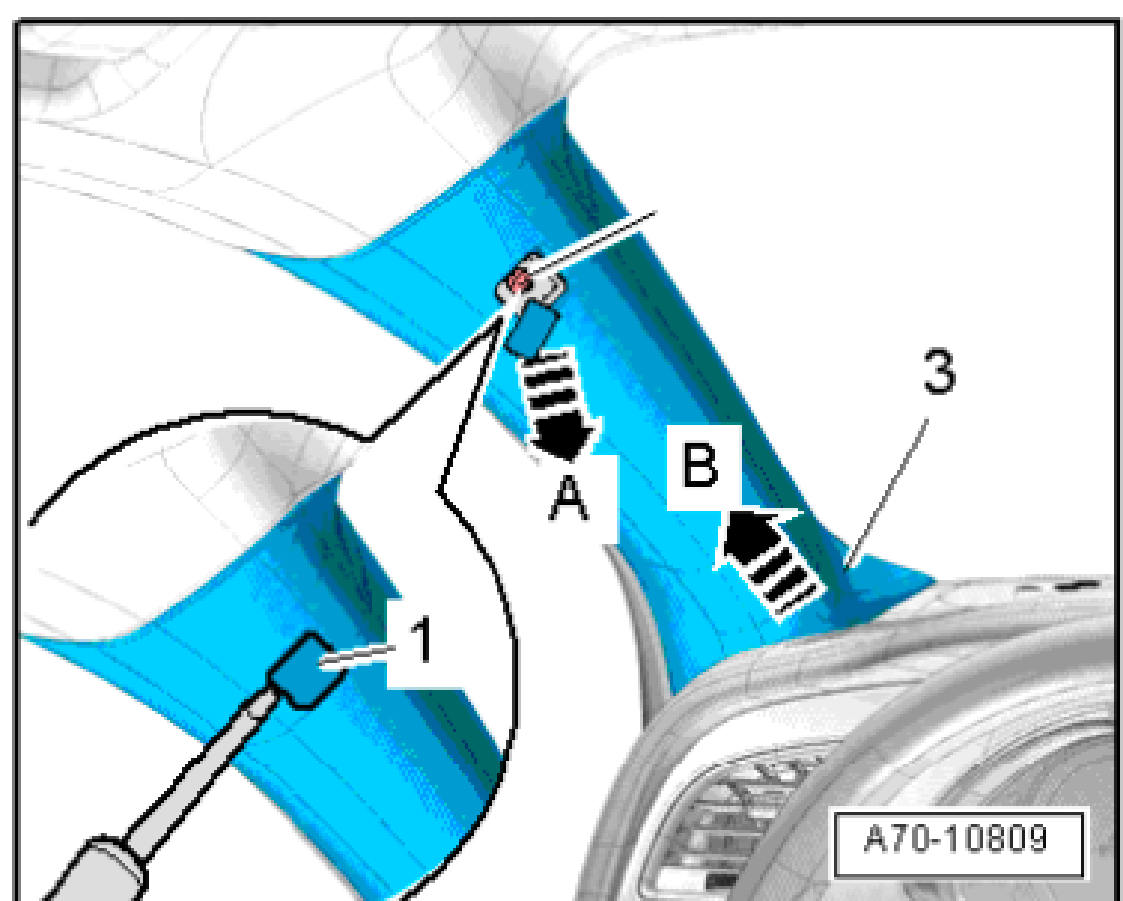


To pass the antenna wires to the windshield, you need to remove the A-pillar trim.



**WARNING:** Behind this trim, there is a curtain airbag that may deploy if mishandled. Please follow these safety precautions:

- Turn on the ignition.
- With the ignition on, disconnect the battery earth wire.
- Before handling pyrotechnic components and restraint systems (such as unplugging electrical connectors), discharge static electricity by briefly touching the door striker plate or a similar surface.

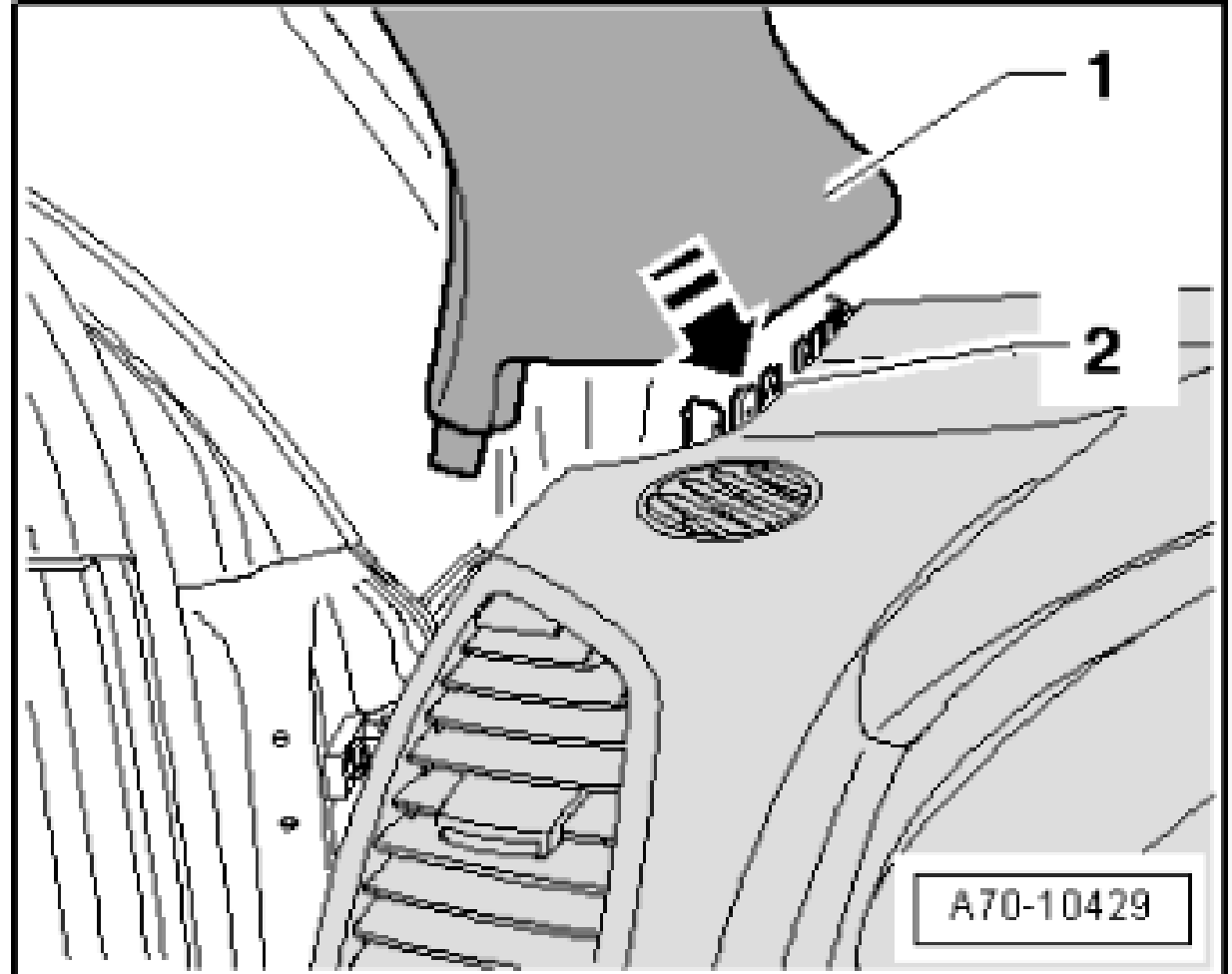




**WARNING:** Follow safety regulations for pyrotechnic components.

Instructions for removing the A-pillar trim:

- Use a screwdriver to carefully unclip the cap (-1-) marked with the "airbag" symbol from the top of the A-pillar trim.
- Beginning at the top, carefully unclip the A-pillar trim (-3-) using a removal wedge (-3409-) at arrow A.
- Pull the A-pillar trim (top) out of the dash panel at arrow B and detach it.
- Take care not to trap the curtain airbag when fitting the A-pillar trim (top).



For installation, reverse the process.



Installation is carried out in the reverse order. Please note the following steps

1. If there are still trim clips in the body mounting points, they must be removed and inserted into the trim when installing.
2. Check the clips for damage or deformation, and replace them if necessary.
3. Use a thread tap to remove any residual locking fluid from the threaded hole for the bolt for the A-pillar trim (top). Failure to clean the threaded hole may result in the new bolt seizing when being screwed in and possibly shearing off during removal.
4. Insert the A-pillar trim (top) (-1-) into the mounting (-2-) of the dash panel and sill panel trim (front) in the direction of the arrow.
5. Clip in the A-pillar trim (top) and fold over the lip of the door seal.



NOTE: You don't need to remove the A-pillar trim or roof lining to pass wires. Simply pull down the lining with a bit of force and squeeze in the antenna wires.

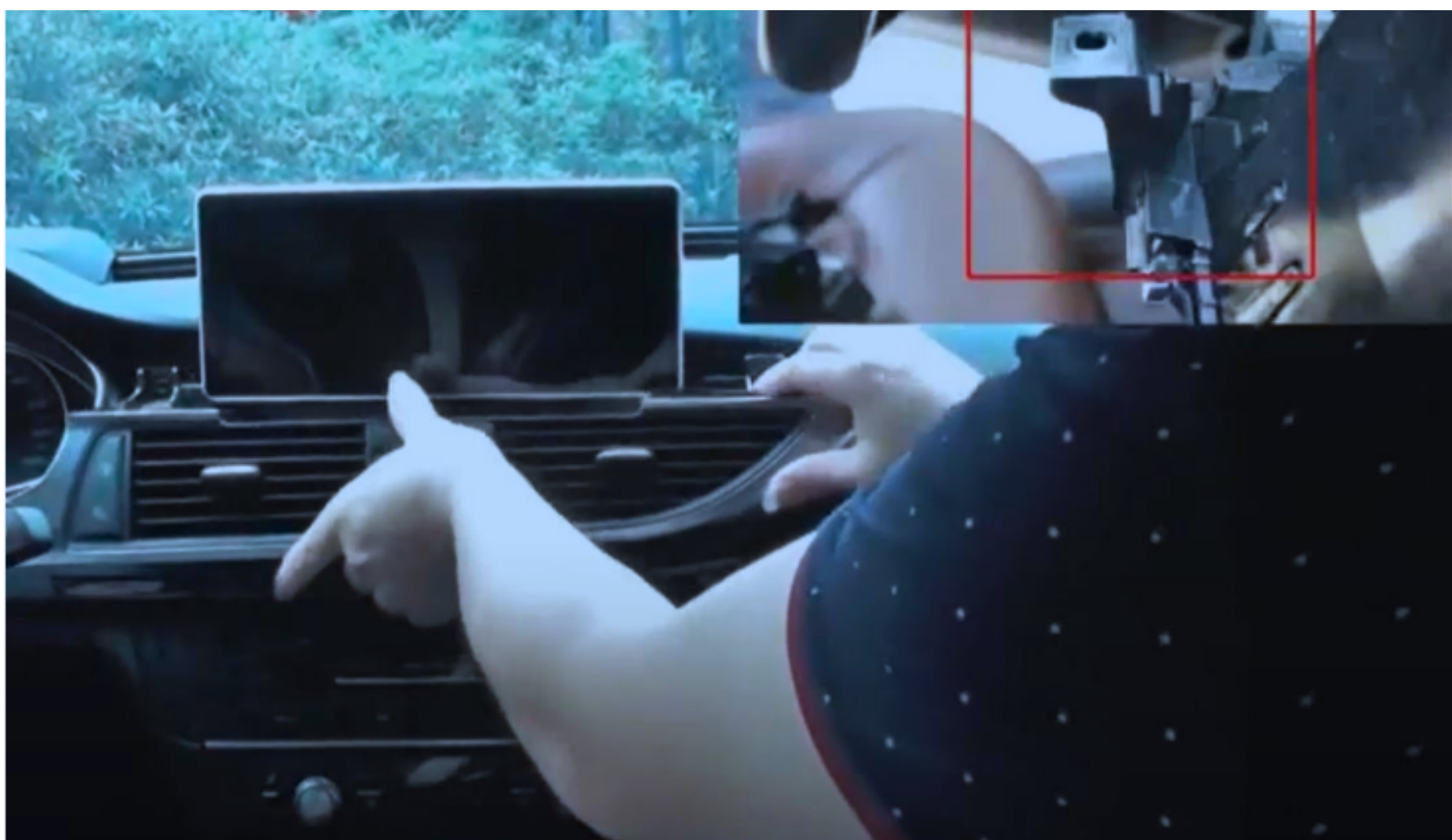
H. Plug in the LVDS wire (Factory screen round 4 pin plug).

1. Connect the GPS and 4G antennas.
2. Plug in the main power connector and USB.
3. Extend the SIM card using the extension wire.



I. Steps for mounting the **WESTNAV** screen and ensuring proper fitment:

1. Temporarily mount the **WESTNAV** screen using the factory bolt. Do not fully tighten the bolt, but secure the device so it hangs tightly.
2. Reinstall the air vent for the fitment trial. To fit the air vent with the new screen properly, lift the **WESTNAV** screen slightly upward. There are guides on the plastics to assist in positioning the screen and vents.
3. Transfer clips from the factory screen dash trims to the supplied **WESTNAV** dash cover and test the fitment.
4. If the fitment is not optimal, loosen the upper two bolts slightly, adjust the screen left or right, and continue adjusting until everything fits well together.
5. Once you find a good position for all components, tighten the upper two bolts first, reinstall the center air vent, and then tighten the remaining two bolts.



## 5. Switching on the External Audio Input



**If these steps are not followed, the device will not produce any sound.**

### Please Note:

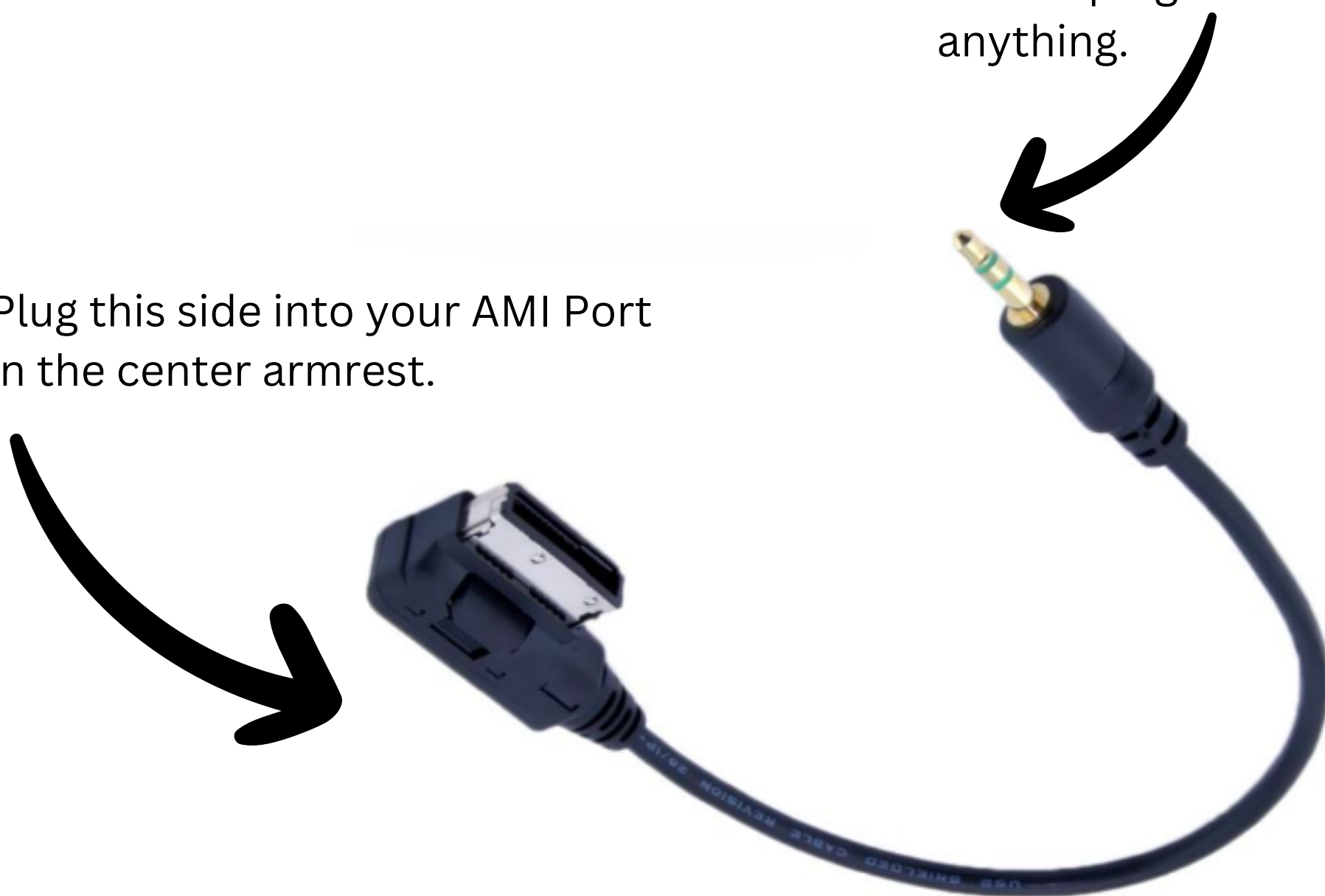
1. The Audi AMI to Aux Adaptor is not included in the installation kit. You must purchase it separately from an Audi dealer or online retailers such as Amazon or eBay.
2. iPod 30-pin, USB, Lightning Connector, and Bluetooth dongle type AMI adaptors are NOT equivalent to the Audi AMI to AUX adaptor.

### Procedure 1.

If you have the AMI to AUX adaptor, plug it into the MMI/AMI plug to activate the external audio source in the Media tab of your MMI.

Plug this side into your AMI Port in the center armrest.

Do not plug this side into anything.



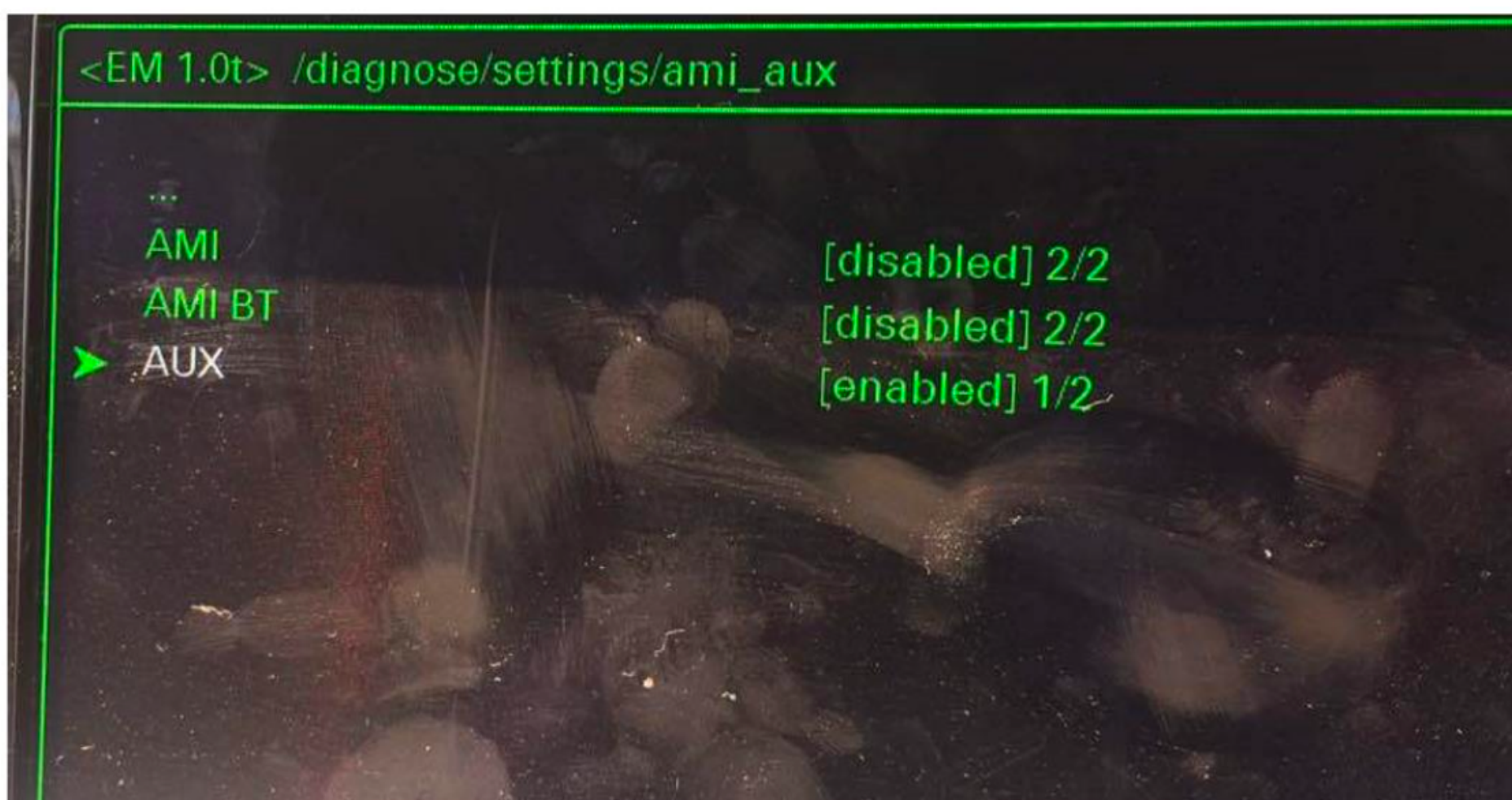
## Procedure 2.

**For 3G MMI systems only, code the system using Vag Com (or OBD Eleven).**

To enable the Aux input in MMI, follow these steps:

1. Preparation: Enable the Green menu using VAGCOM or OBD Eleven.
2. Connect with module 5F - Control Head.
3. Choose the procedure 10 - Adaptation.
4. Select prerequisite Channel 6.
5. Read the stored value. By default, it should be 0.
6. Change the value to 1 and save it.
7. Read the stored value again. It should now be 1.
8. Exit the menu.

Following these steps should enable the Aux input in your MMI system.



To activate the AUX function in the Audi MMI 3G system, follow these steps:

1. Turn the key to the II position and wait for the MMI 3G system to start, or use the keyless buttons.
2. Press and hold the MENU (or SETUP) and CAR buttons simultaneously.
3. After a few seconds, a hidden green menu will appear. Release the buttons.
4. Navigate to Diagnos - Settings - AMI/AUX.
5. Change the value of "AUX" from "disabled" to "enabled" while preserving other options.
6. Press the RETURN and CAR buttons simultaneously to exit the hidden green menu.
7. Restart the MMI system.

Following these steps should activate the AUX function in your Audi MMI 3G system.



To perform a force restart on the Audi MMI 3G+ system, follow these steps:

1. Locate the following buttons:

- MENU (or SETUP) button
- MMI Center knob
- Upper-right soft button

2. Press and hold these buttons at the same time.

3. After two seconds, release the buttons.

4. The Audi MMI screen will go black for a few seconds, and the system will reboot.

5.

Following these steps will force restart your Audi MMI 3G+ system.



## 5. Important:



- A: Reset Hole: Use a straightened paper clip to poke until you hear clicking. The button may not align perfectly with the hole, so proceed carefully. Click once for rebooting and three times quickly to boot into recovery mode. (Warning: Accessing the Recovery Menu could reset the device to factory default or cause unexpected failure. Only proceed if necessary.)
- B: **This is NOT a TF Card (SD Memory Card) Slot. It is *NOT IN USE*. There is NO TF-CARD slot for S3, S4 4G, 8W (B9) variants. (Reserved for dual SIM functionality).**