

WESTNAV

Audi B9 (Q5, SQ5) Installation Manual (Q5, SQ5)



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WARNING

Failure to adhere to the instructions provided by **WESTNAV** may lead to repeated installation or removal of the device due to installation errors. While we recognize that reading instructions may not be your preferred approach, we urge you to review the following pages at the very least for the benefit of all involved

Often Asked Questions or Common Errors

Q: The airbag warning indicator has turned on in the instrument cluster, and there is a DTC code related to the ABS module and parking brake module.

A: This indicator will illuminate if you powered the car while the factory or **WESTNAV**-supplied hazard button assembly is not connected to your car. You must clear this error with VCDS or OBD Eleven, or any other VAG service tool that can reset VAG airbag errors. If this error recurs, it's possible that you provided incorrect information about the hazard button when placing your order, or we may have sent you the wrong type of hazard button PCB. Please contact us for assistance.

Q: There are several errors in the DTC code related to the J794 5F MMI Media Unit.

A: Error code 00259, indicating a screen mechanism fault, intermittent signal errors, and implausible signals are common occurrences. Error code 00259 and screen mechanism fault typically indicate the absence of the original Audi screen. Other errors may be recorded when the MMI console is being used by the S3 Android system. It's important to note that these error codes do not affect your existing factory warranty.

Q: Two LEDs in the MMI console continue to flash even after the car has been shut down and locked.

A: This is a normal occurrence. The flashing will stop within the next 10 minutes. It indicates that a non-Audi original component has been installed in the car.

Q: Should an external mic be installed? (For 8.8" or RHD only)

A: Yes, it is required. Connect the external mic to the 3.5mm audio plug coming out of the screen.

Audi B9 Q5 Installation Manual

Here are the tools required:

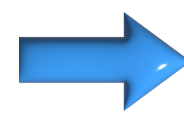
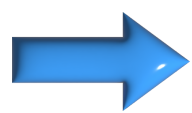
1. Car trim remover
2. 8mm Hex driver
3. T20 screwdriver
4. Cable ties
5. Volkswagen radio removal keys



Please ensure you thoroughly read this manual first, as there are certain situations where specific actions must be taken or avoided.

Before beginning the installation:

- Switch off the ignition and all electrical equipment.
- Do not switch on the vehicle while any original AUDI component is detached or disconnected.
- For Concert/Symphony radio installations:
- It is **NOT** required to remove the glove box or install a bypass connector to the CAN BUS gateway.



Preparation and disassembly steps along with precautions before installation:

1. *Preparation before Installation:*

- **Mask Interior Trims:** It's recommended to mask interior trims to protect them from damage during installation.
- **Turn Off Car System:** Ensure the car system is completely turned off before starting the installation process.
- **Disconnect Battery (if necessary):** To prevent accidental deployment of airbags or electrical issues, it may be required to disconnect the battery. Follow proper procedures outlined in the vehicle manual for disconnecting the battery.

2. **Disassembly Steps and Precautions:**

- **Follow Disassembly Guide:** Refer to the specific disassembly guide provided for your vehicle model. This guide will detail the steps required to safely disassemble interior components.
- **Use Proper Tools:** Use appropriate tools for disassembly to avoid damaging interior trims or components.
- **Work Carefully:** Take your time and work carefully to avoid scratching or breaking any interior parts.
- **Store Removed Parts Safely:** Keep track of all removed parts and store them in a safe place to avoid misplacement or damage.
- **Refer to Vehicle Manual:** Consult the vehicle manual for any specific precautions or warnings related to disassembly procedures.
- **Handle Airbag Components with Caution:** If you encounter airbag components during disassembly, handle them with extreme caution to avoid accidental deployment.
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By following these preparation and disassembly steps along with precautions, you can ensure a safe and successful installation process while protecting your vehicle's interior components.



1. Before Installation



2. Unscrew the gear selector trim holding screw located under the coin tray.



3. Carefully pry up the trim and remove it.



4. Remove the horizontal dash trim by prying from the bottom and pulling outward.



5. Remove the passenger side fuse panel cover.



6. Remove all the 8mm hex screws. Be careful, as there may be additional screws not shown in the picture.



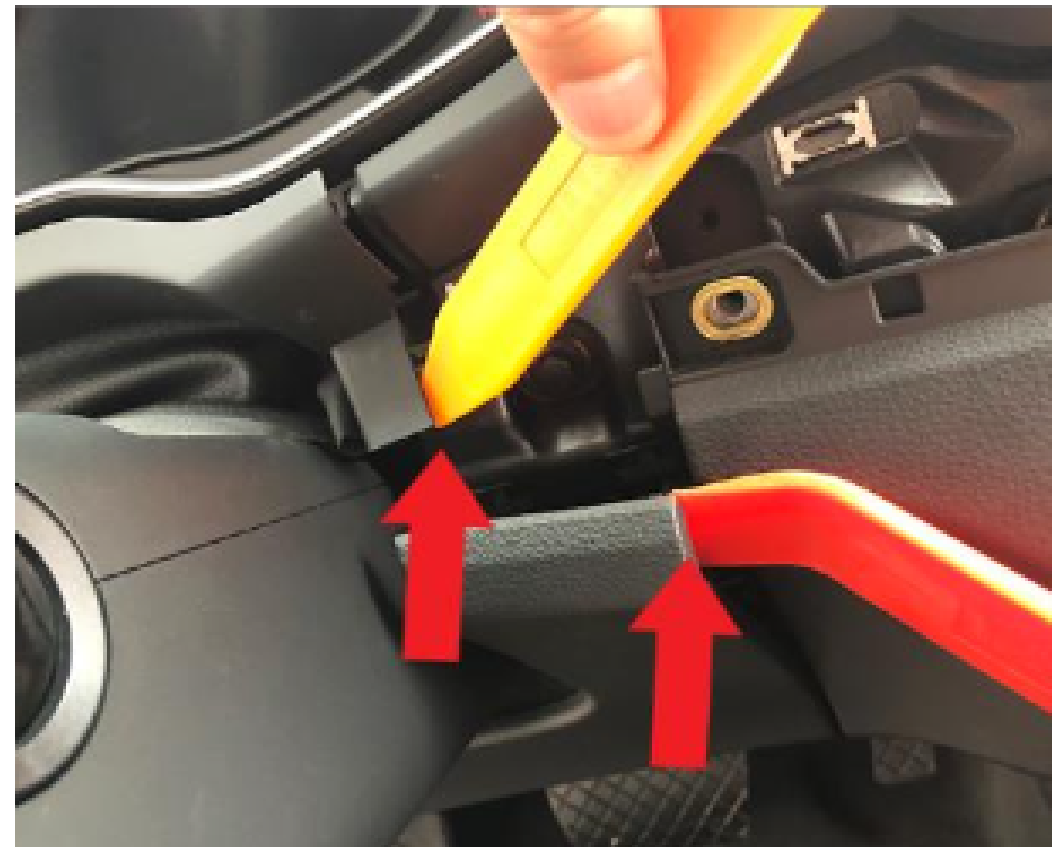
7. Remove the screws located on the bottom of the glove box compartment.



8. Unplug removable connectors from the glove box.



9. Remove the MMI head unit using a VAG Radio removal tool.



10. Pry the instrument cluster lower trim and the driver knee board panel slightly to remove the center dash trim. It is not necessary to remove them completely, but to create a bit of space to take out the center dash trim with climate control.



11. Remove the start button & cigarette socket assembly by prying from the bottom.



12. Unscrew the upper screw holding the center dash climate control panel trim and carefully remove the trim.



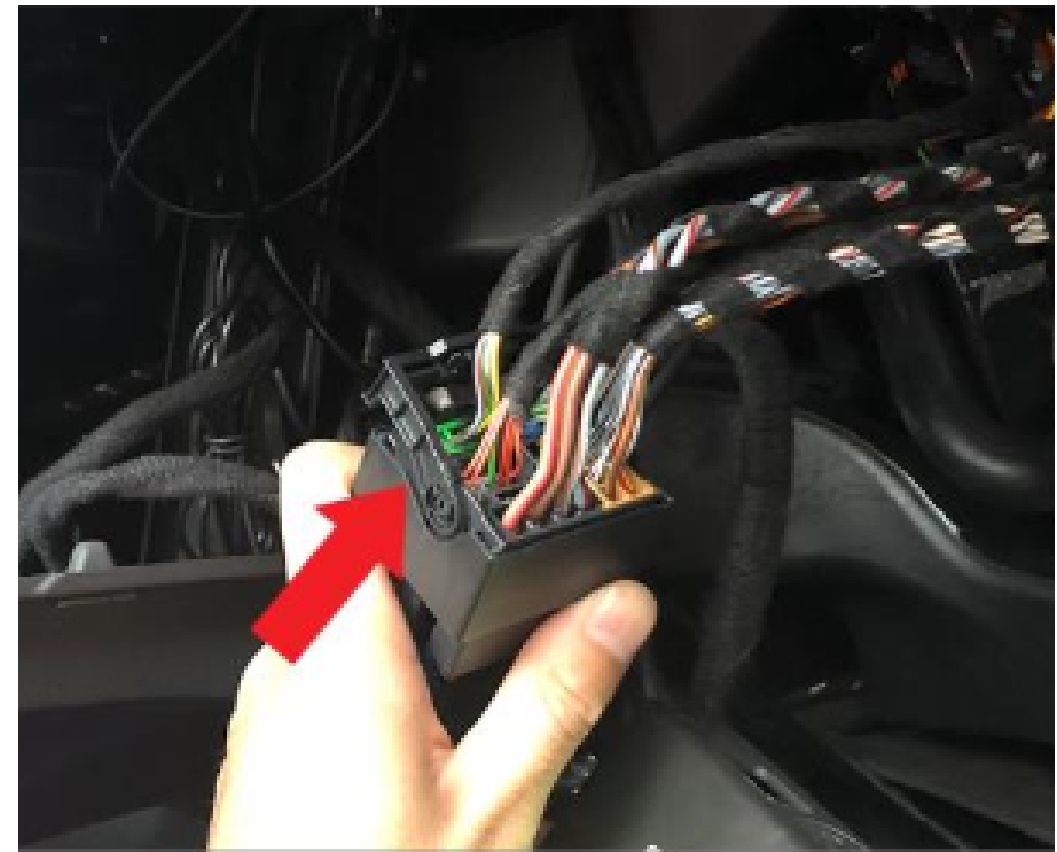
13. Pry out the center dash air vent frame assembly.



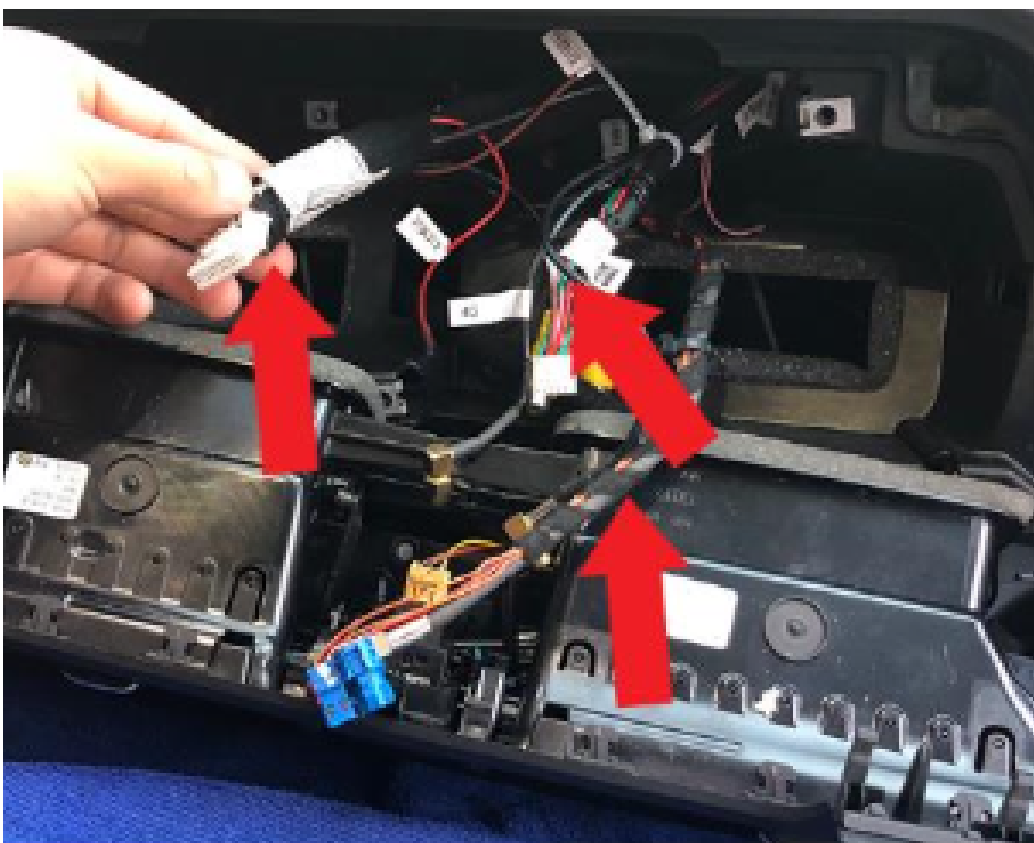
14. Place a large towel under the removed frame and disconnect necessary connectors.



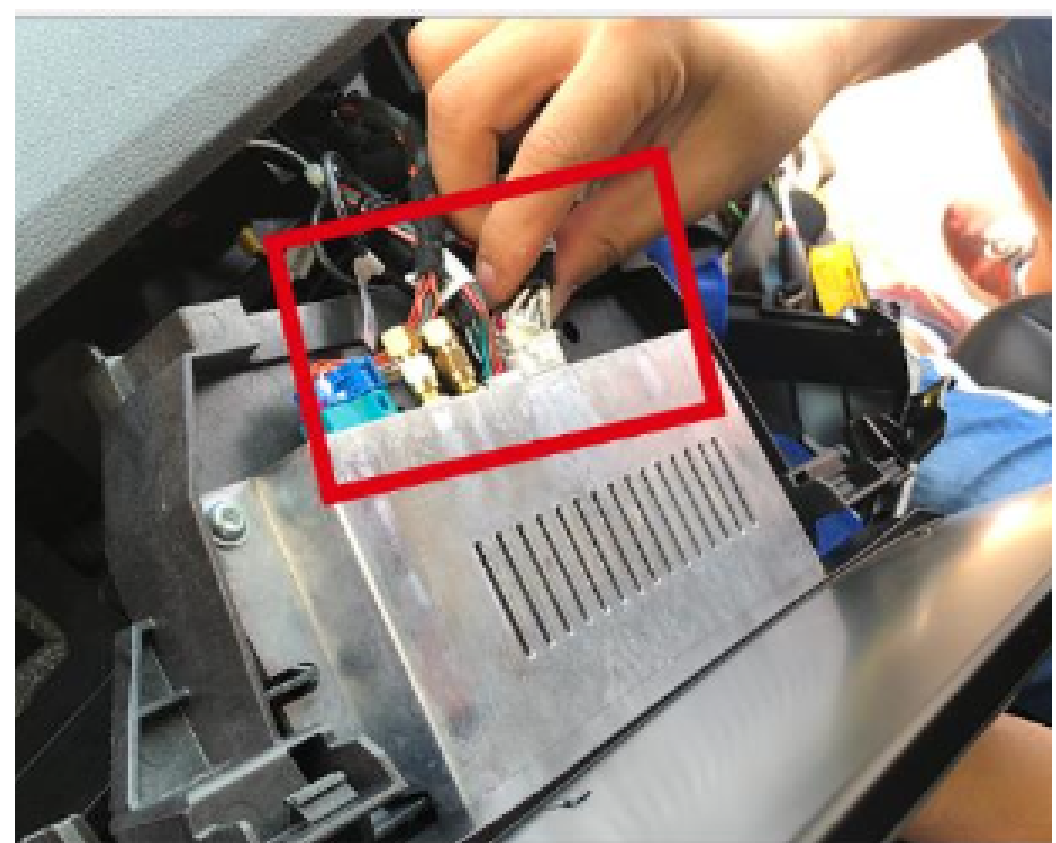
15. Remove the four screws holding the original screen.



16. Install the provided main harness by routing the white main connector to the LCD screen area.



17. Route the cable into the screen opening by passing it behind the air ducts from the glove box.



18. Install the new screen into the factory tray and plug in the LVDS, main connector, GPS, and mobile antenna.



19. Press the two locking points behind the new screen.



20. Carefully lift up the screen. Do not try to remove the screen completely as it is not designed to be removable.



21. Place the new lower screen trim supplied (reuse the factory metal clips for the trim).



22. Lower the screen into the normal position.



1. Reinstall the climate control trim.
2. Before installing the lower start button panels, ensure they are not installed prior to the climate control trim.
3. Ensure that the left side of the climate control trim fits properly with the other trims, such as the lower instrument cluster cover and the driver knee board panel. Make sure the holes are aligned properly.



24. After properly installing the climate control trim, proceed to reassemble everything starting with the installation of the start button panel.

Seps for installing the Center Speaker Bypass and routing the USB Cable port:

1. Remove the Center Dash Speaker Trim:

- Use a trim removal wedge to carefully pry off the center dash speaker trim.

2. Unscrew the Center Speaker Holding Screws:

- Once the trim is removed, locate and unscrew the screws holding the center speaker in place.

3. Install the Speaker Bypass:

- Connect the speaker bypass stemming from the main harness to bypass the center speaker.
- Ensure the connections are secure and properly seated.

4. Route the USB Port:

- Decide on the desired location for the USB port.
- *Option 1:* Route the USB port into the glove box compartment:
 - Open a hole in the glove box compartment using a drill.
 - Thread the USB cable through the hole and into the glove box compartment.
- *Option 2:* Let out the USB port on the passenger side left foot wall:
 - Probe into trim gaps on the passenger side left foot wall to find a suitable location.
 - Once identified, carefully create an opening for the USB port.
 - Thread the USB cable through the opening.

5. Secure and Test:

- Ensure that all connections are securely fastened and that the USB port is properly routed.
- Test the functionality of the USB port to ensure it is working correctly.





To install GPS and Cellular antennas near the rear-view mirror, follow these steps:

1. Determine Preferred Location:

- Aim for a spot near the rear-view mirror for both antennas.
- This location is often optimal for signal reception, but results may vary based on the vehicle's construction and other factors.

2. Prepare GPS and Cellular Antennas:

- Ensure both antennas are ready for installation and have appropriate mounting hardware if necessary.

3. Use Signal Checking Tools:

- Download GPS testing apps and mobile signal checking tools from the Google Play Store.
- GPS Test Plus and similar apps help determine GPS signal strength and satellite lock.
- Mobile signal checking tools assess cellular signal strength in different areas of the vehicle.

4. Test Different Locations:

- With the tools installed on your mobile device, experiment with various positions and angles for the antennas near the rear-view mirror.
- Start with the preferred location, then adjust slightly to find the best signal reception.
- Pay attention to signal strength and quality as indicated by the testing tools.

5. **Evaluate Results:**

- Assess signal reception at each tested location.
- Consider factors such as signal strength, stability, and any interference issues.
- Choose the location and angle that provide the strongest and most consistent signals for both GPS and cellular reception.

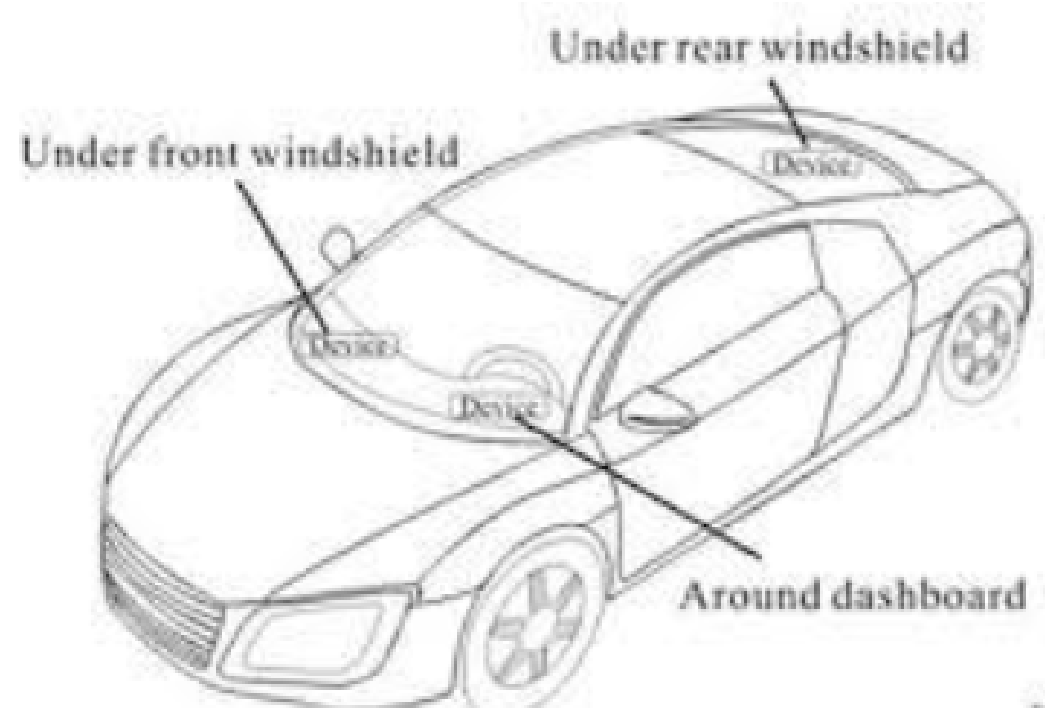
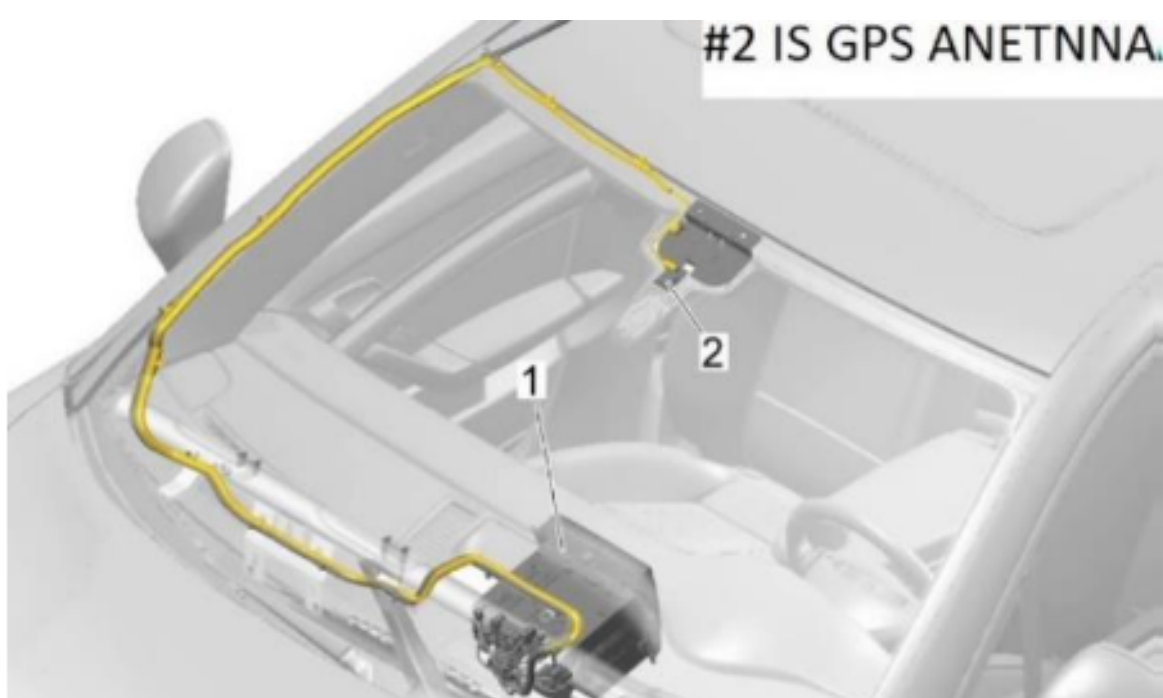
6. **Secure Antennas:**

- Once you've determined the optimal positions, securely mount the GPS and Cellular antennas near the rear-view mirror.
- Follow manufacturer instructions for proper installation and ensure the antennas are firmly attached.

7. **Test Reception Again:**

- After installation, retest signal reception using the GPS and mobile signal checking tools to confirm satisfactory performance.

By following these steps and using signal checking tools, you can find the best location and angle for installing GPS and Cellular antennas near the rear-view mirror of your vehicle.



- Under the dash board below the front windshield;



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.

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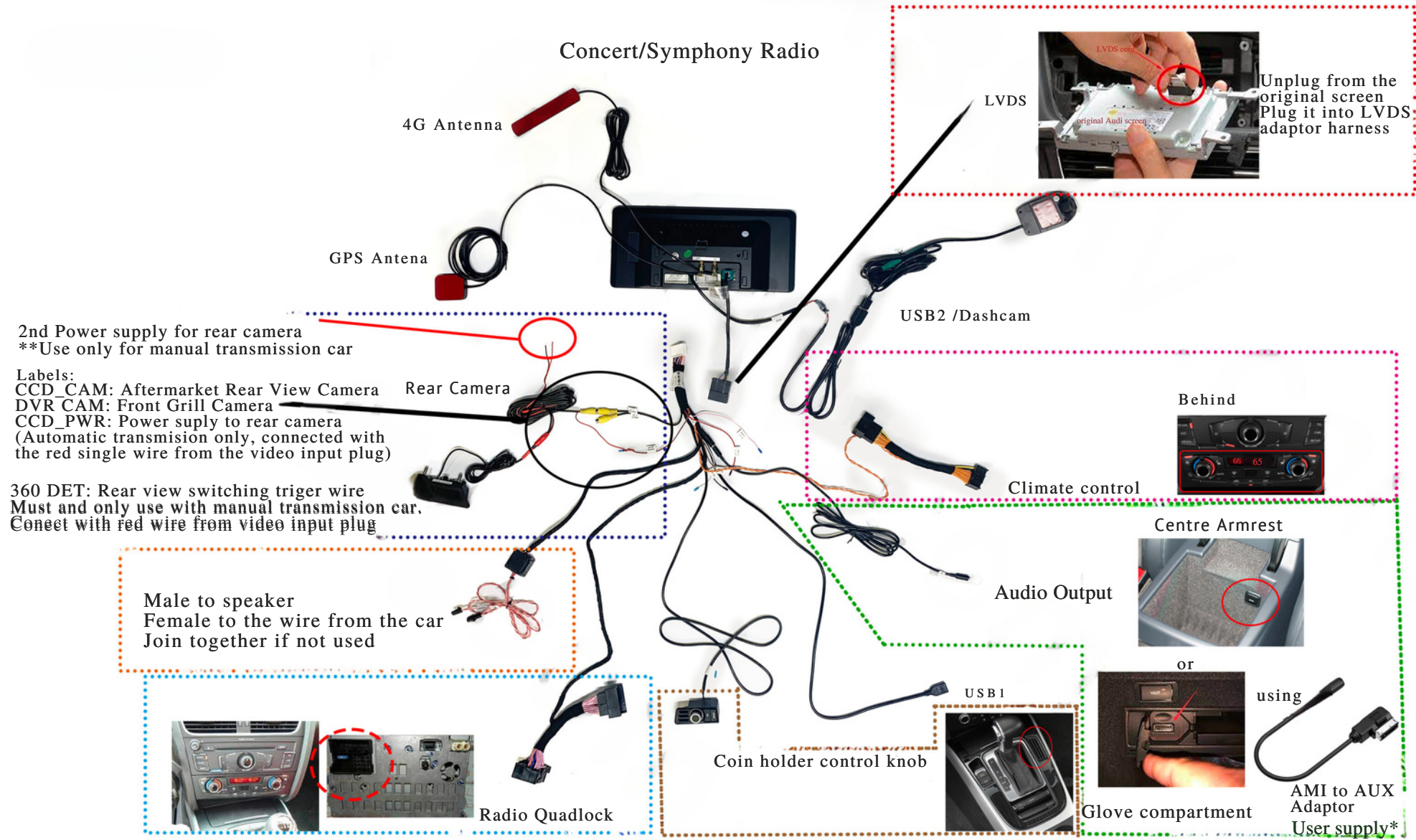
General Wiring Diagram

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

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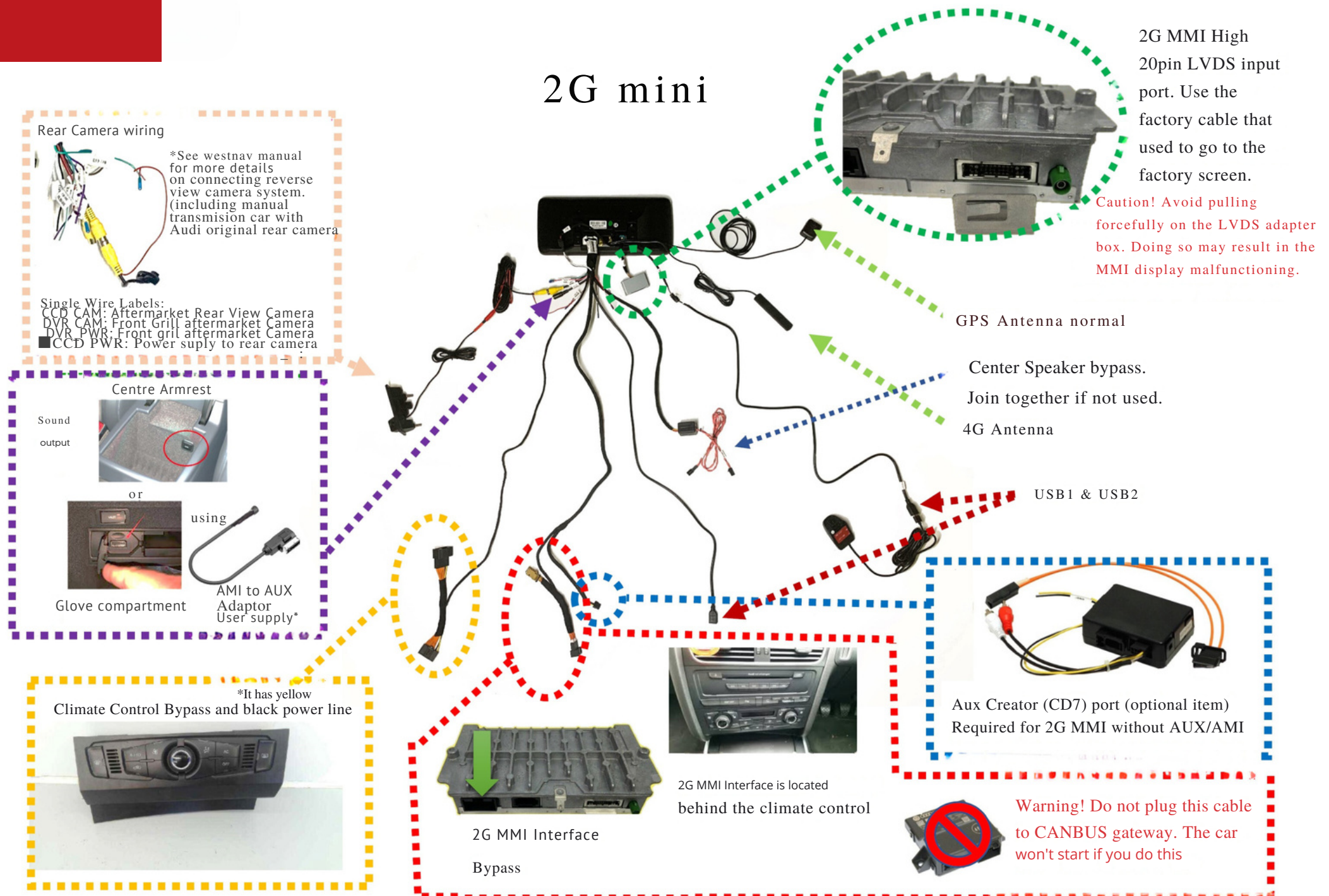
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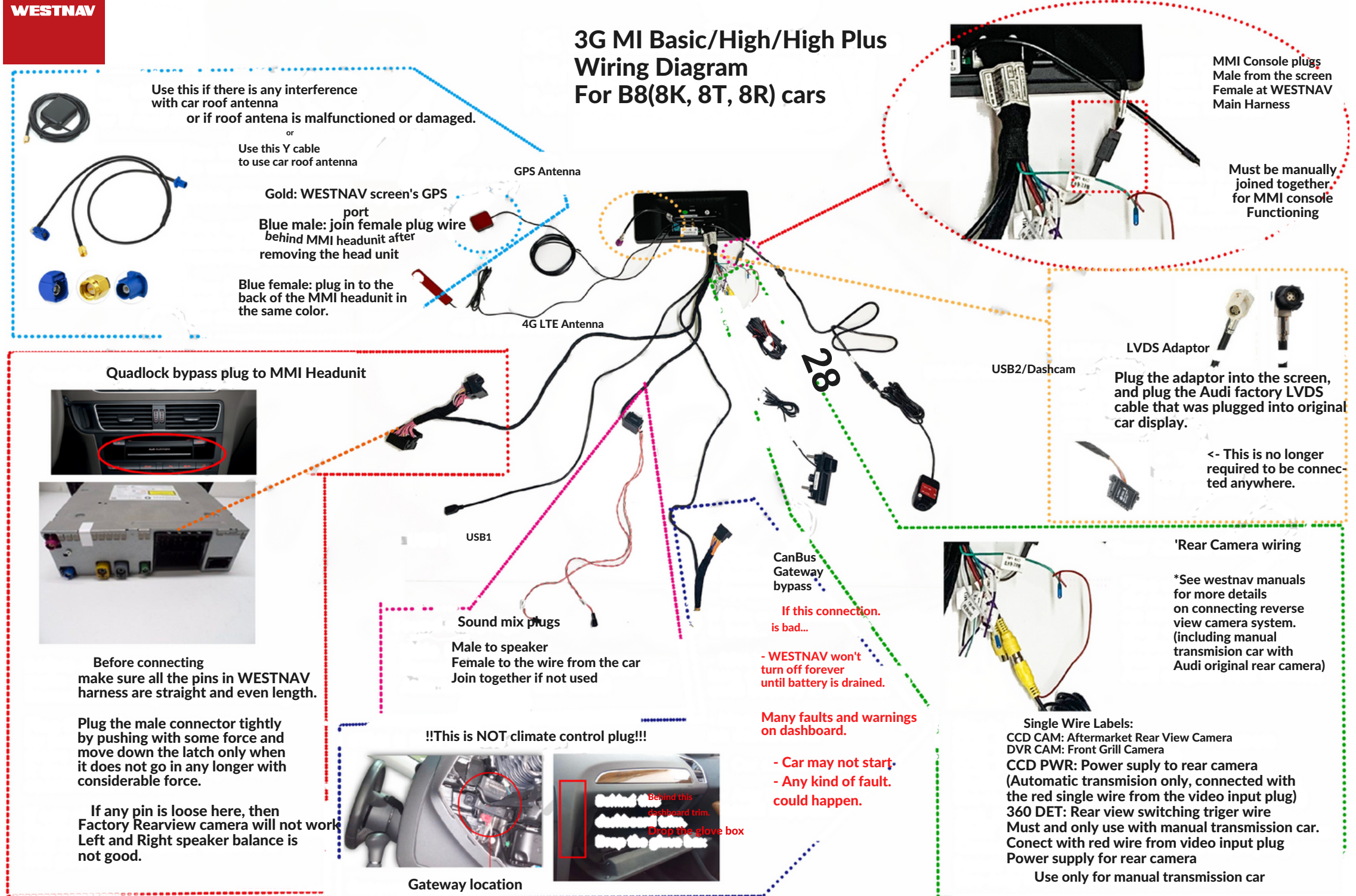
2G mini



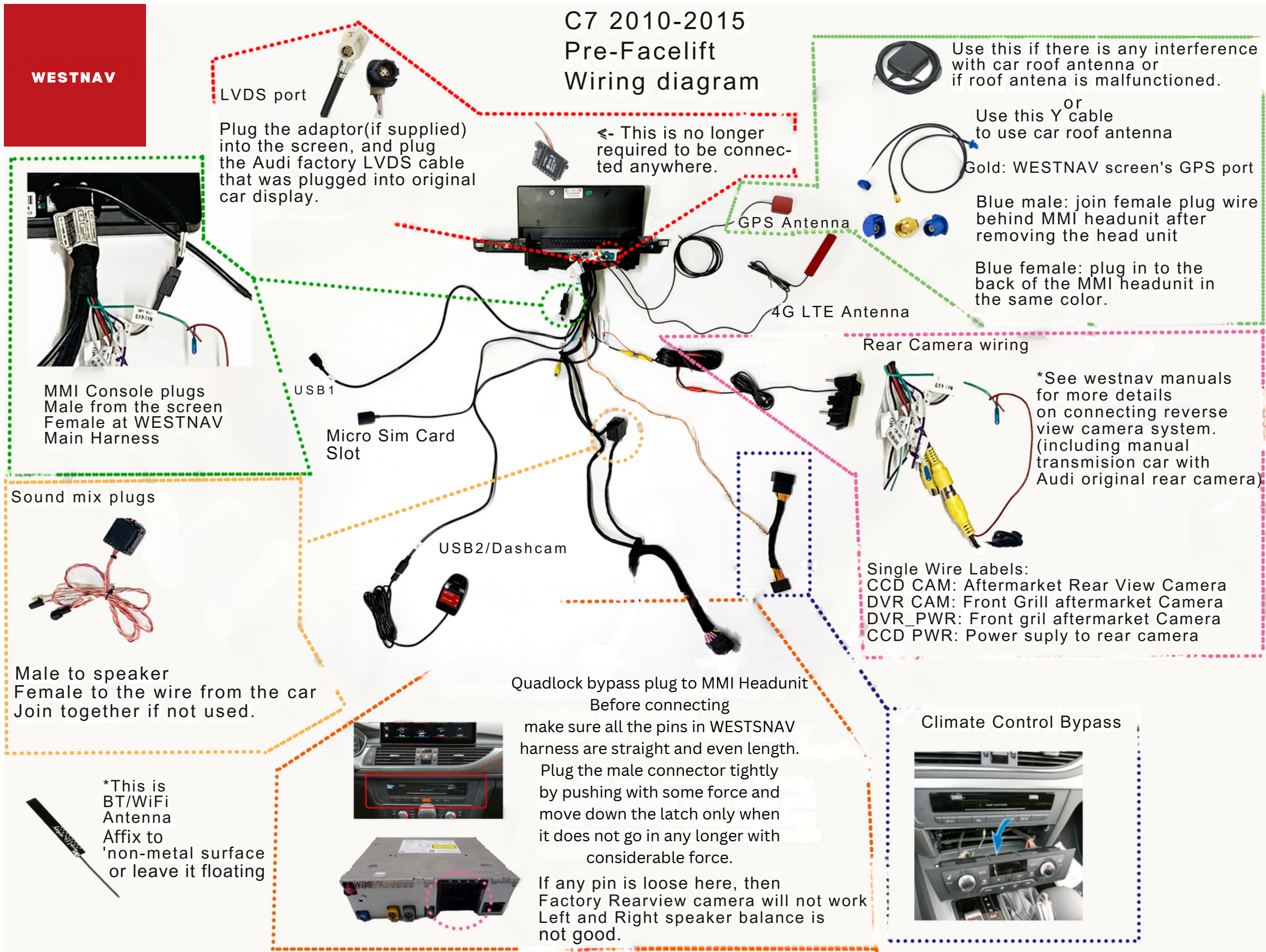
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3G MI Basic/High/High Plus Wiring Diagram For B8(8K, 8T, 8R) cars



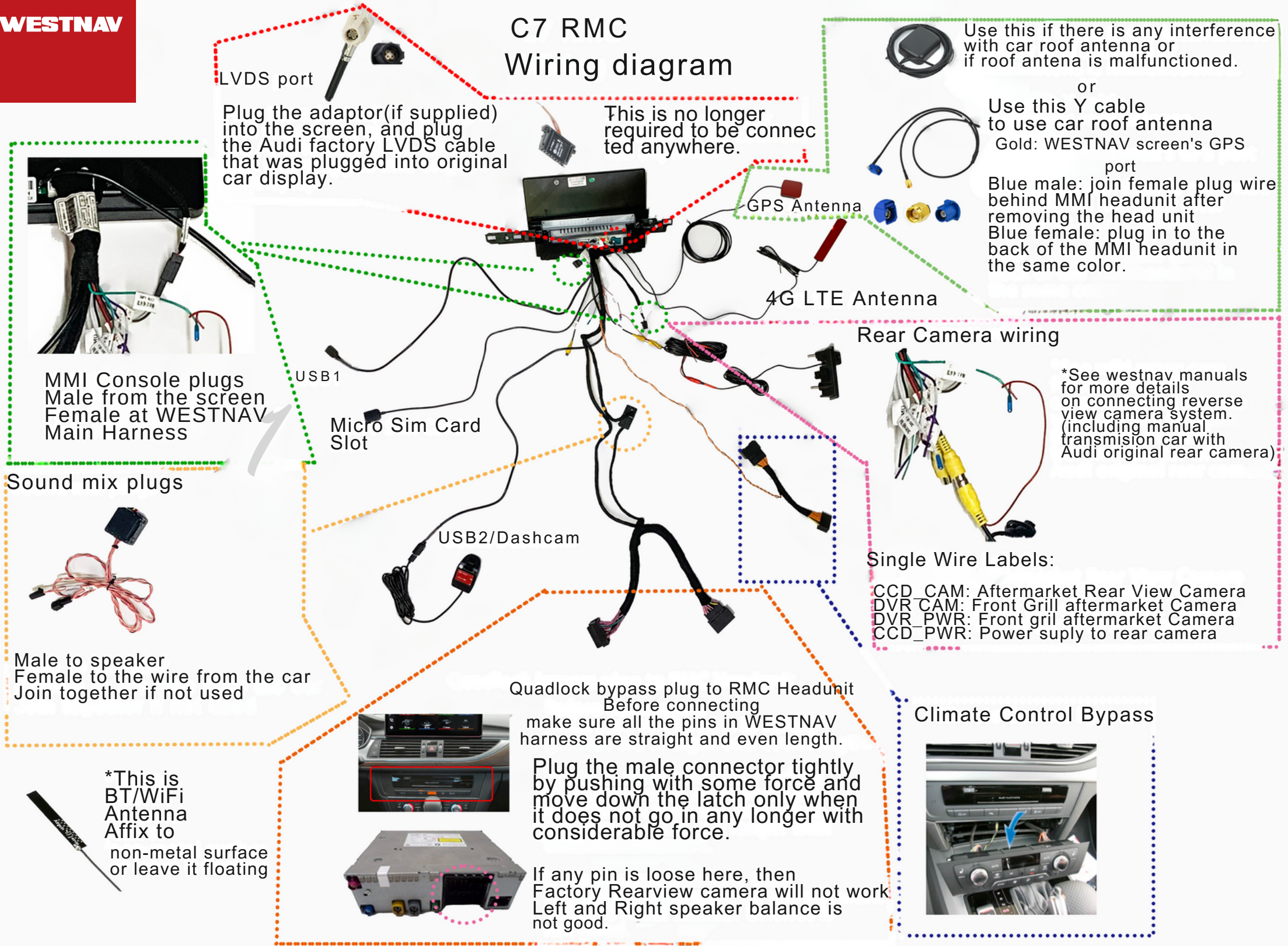
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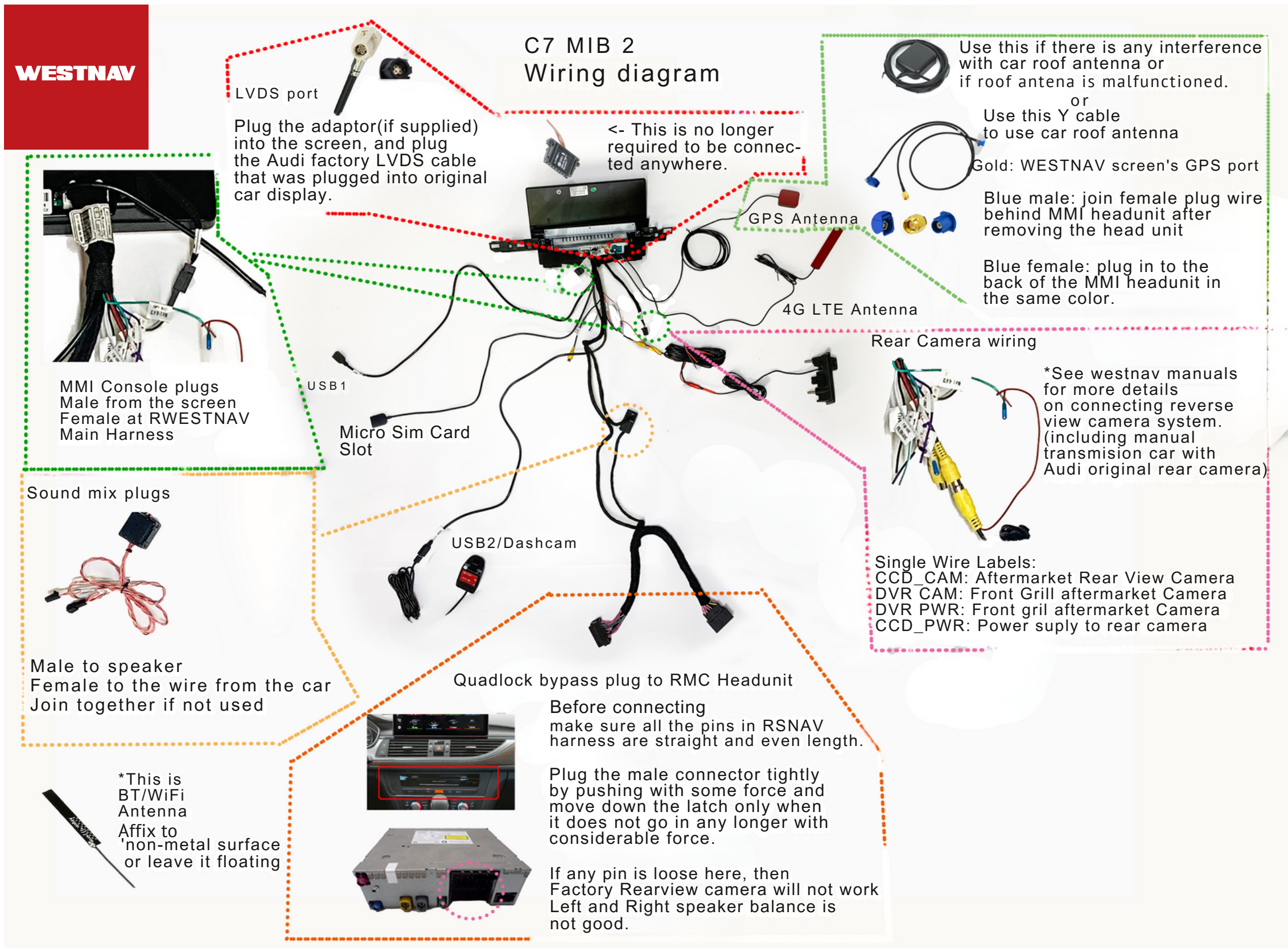
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C7 RMC Wiring diagram



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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.

