BMW E39/E53 Android Touch Screen Radio Installation Instructions

Enjoy your new Android Radio from Bremmen Parts, we appreciate your business.



Easy Audio Streaming:

 Music can be easily streamed from your mobile device via bluetooth or USB.

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• Music can also be listened to via flash drive, Micro SD, or imported to the radio's internal storage.

Thousands of Apps:

From the Google play store you can download your favorite audio streaming service, video streaming apps, or even apps that can diagnose and monitor your vehicles' systems.

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

Listed below are the components which will need to be removed in order to install the new radio:

- **1.** RH trim panel
- 2. LH trim panel
- 3. Volume knob
- 4. Lower radio unit
- 5. Upper radio unit
- 6. Lower dash panel
- 7. Factory radio cage

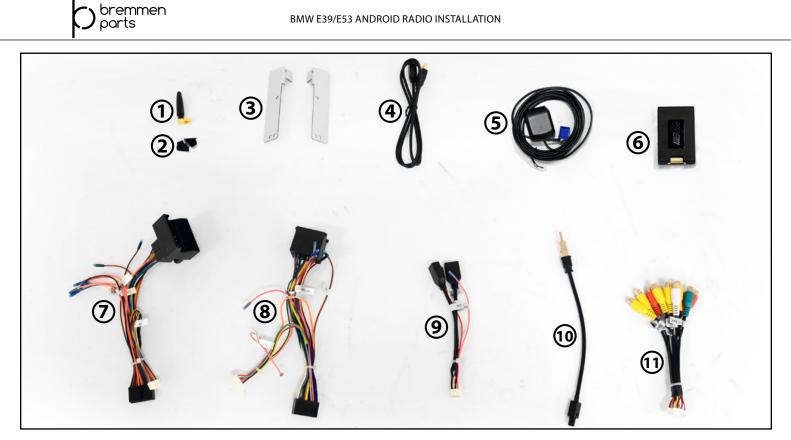
Listed below are the different ports on the back of the radio and components we will be plugging into them:

- 1. Wiring harness
- 2. Radio antenna
- 3. GPS antenna
- 4. WiFi antenna
- 5. USB port

This photo shows what the radio will look like once installed. All of the mounting brackets and hardware are included for an easy installation.

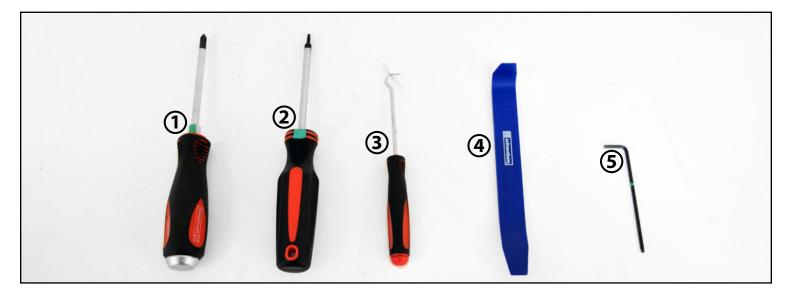


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Here's what's included in the box:

- 1. WiFi Antenna
- **2.** Plastic Screw Caps
- **3.** Mounting Brackets
- **4.** USB Port
- 5. GPS Antenna
- 6. CAN-bus decoder
- 7. Wiring Harness (Early Models)
- 8. Wiring Harness (Late Models)
- 9. USB Adapter
- 10. Radio Antenna Adapter
- **11.** Component Input Adapter



Here's all the tools required for this install:

- 1. Phillips Screwdriver
- 2. T10 Torx
- **3.** Angled Pick
- 4. Trim Removal Tools
- 5. 5mm Allen Wrench



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- **Step #1** Ensure that your battery is disconnected prior to beginning installation.
 - Use a non-marring trim removal tool to gently pry on the RH trim panel and remove it as shown in the #1 photo below.
- **Step #2** Gently pry on the LH trim piece and remove it.
- **Step #3** Pull the volume knob free and locate the hidden locking screw (arrow).
- **Step #4** Insert a T10 screwdriver into the screw and turn it 90° counter-clockwise to release the internal locking mechanism, freeing the lower radio.









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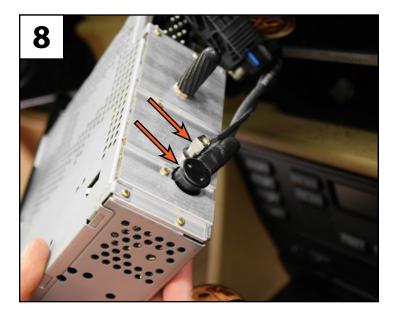
Section 1: Removing the Stock Radio

- **Step #5** Pull the lower radio partially out from the cage.
 - Disconnect the connector from RH side of the unit and set the lower radio aside.
- **Step #6** Locate the two recessed set screws on the upper radio (arrows).
 - Using a 2.5mm allen key, slowly loosen the screws until the radio is loose enough to slide out.
- **Step #7** Pull the upper radio partially out of the cage.
 - Pry upward as shown on the factory connector sliding lock to release it from the back side of the unit.
- **Step #8** Disconnect the last two connectors (arrows) from the back of the unit by pulling them free, then set the upper radio aside.









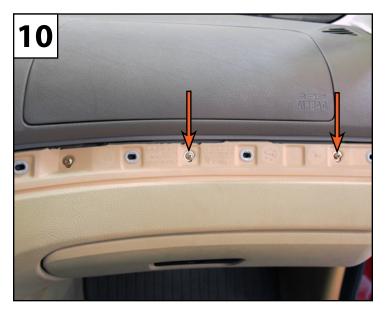
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Section 1: Removing the Stock Radio

- **Step #9** Remove the six screws which secure the factory radio cage to the lower dash panel.
- **Step #10** Remove the three screws which secure the lower dash panel on the RH side of the radio.
- **Step #11** Remove the screw which secure the lower dash panel on the LH side of the radio.
- **Step #12** Open up the glove compartment and remove the screw on the LH side as shown in photo #12 below.



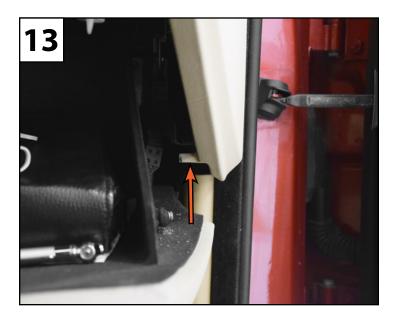


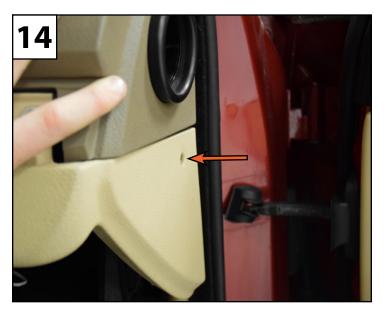


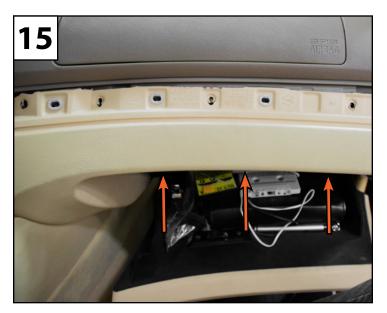


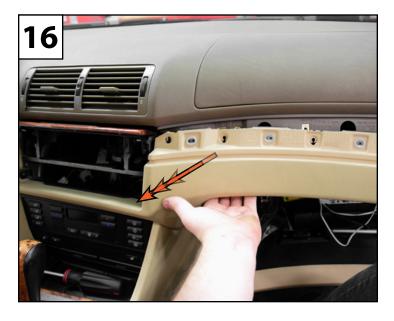
Section 1: Removing the Stock Radio

- **Step #13** Remove the screw on the RH side of the glove compartment as shown in photo #13.
- **Step #14** Remove the screw securing the panel on the RH side door jam.
- **Step #15** Remove the final three fasteners which are located inside the glove compartment facing upward.
- **Step #16** Firmly pull the dash panel towards you until there is adequate room to remove the factory radio cage.





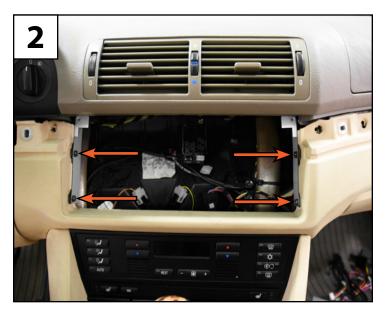


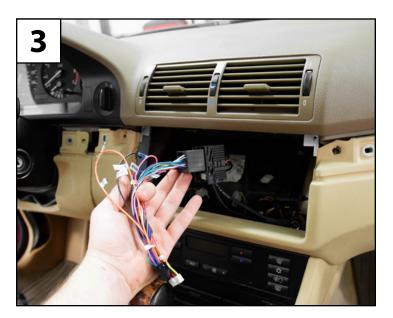




- **Step #1** Route the radio cage out from behind the lower dash panel.
- **Step #2** If you purchased the knobbed unit, use the four screws we removed from the cage, to install the brackets as shown in photo 2.
- **Step #3** Inspect the factory connector and identify if it utilizes round style pins (early models) or flat style pins (later models), and select the corresponding wiring harness.
 - Install the appropriate harness into the factory connector and close the sliding lock.
- **Step #4** Install the CAN-bus decoder module into the white connector in the new harness.



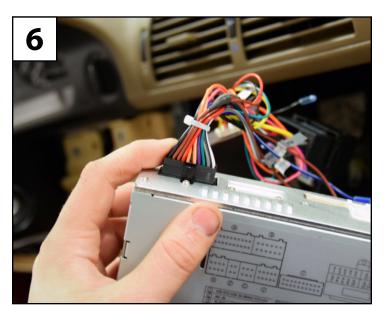






- **Step #5** Install the included radio antenna adapter onto the factory radio antenna cable.
- **Step #6** Plug the black connector on the new wiring harness into the back of the new radio.
- **Step #7** Plug the radio antenna adapter into the back of the new radio.
- **Step #8** Install the new GPS antenna by doing the following:
 - Find a suitable location to mount the GPS antenna which is clear of obstacles that may cause signal interference.
 - Mount the GPS antenna in the desired location using double-sided tape or the integrated magnet.
 - Route the cable from the mounting location to the back of the new radio, removing trim panels to tuck and secure the cable as needed.





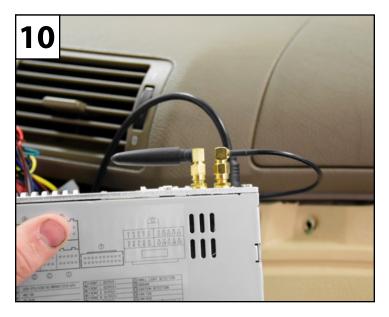


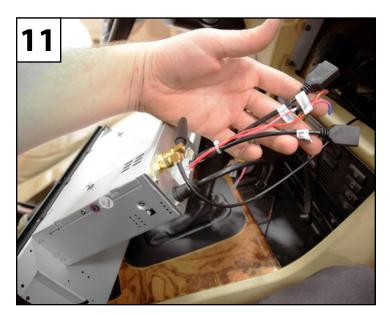




- **Step #9** Connect the GPS antenna connector into the back of the new radio.
- **Step #10** Screw the WiFi antenna into the back of the new radio and tighten it until snug.
- **Step #11** Install the USB adapter harness into the back of the new radio.
- **Step #12** Install the USB port by doing the following:
 - Find a convenient location to mount the USB port, we found the glove compartment to work well on this model.
 - Plug the USB port into the USB adapter labeled "USB-OTG".
 - Route the USB port to the desired mounting location, removing trim panels to tuck and secure the cable as needed.









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- **Step #13** Slide the new radio into the dash and adjust it until the radio face is flush with the rest of the dash.
 - Install the two mounting screws and tighten them until they are snug, but do not over tighten them. Install the two plastic screw caps to cover each screw hole.
- **Step #14** Turn the radio on and test for functionality (sound, video, steering wheel controls, GPS, Wifi, etc.) then:
 - Reinstall the lower dash panel.
 - Reinstall the RH trim panel.
 - Reinstall the LH trim panel.

Congratulations, your installation is complete!



