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Metra 40-GM12

Metra 40-GM12 GM Antenna Adapter Instruction Manual

Connects your factory GM antenna to an aftermarket radio

INTRODUCTION

The Metra 40-GM12 GM Antenna Adapter is designed to facilitate the connection of a factory General Motors (GM) antenna to an aftermarket car radio. This adapter ensures proper signal transmission, allowing you to enjoy radio broadcasts with your new audio system. It is compatible with GM vehicles from 1998 through 2013 that utilize a mini barbed or barbless antenna plug.

SETUP AND INSTALLATION

Follow these steps to correctly install your Metra 40-GM12 antenna adapter:

- 1. Prepare the Vehicle:** Ensure the vehicle's ignition is off and the battery is disconnected before beginning any electrical work. Remove the existing car radio or access the area behind it to locate the factory antenna cable.
- 2. Identify Factory Antenna:** Locate the factory GM antenna cable. This cable typically has a mini barbed or barbless plug.
- 3. Connect Adapter to Factory Antenna:** Plug the Metra 40-GM12 adapter's GM-compatible end into the vehicle's factory antenna cable. Ensure a firm and secure connection.
- 4. Connect Adapter to Aftermarket Radio:** Plug the other end of the Metra 40-GM12 adapter into the antenna input port on your aftermarket car radio. This port is usually a standard coaxial antenna jack.
- 5. Secure Connections:** Double-check that both connections are fully seated and secure to prevent signal loss or interference.
- 6. Test System:** Reconnect the vehicle's battery, turn on the ignition, and test the aftermarket radio's reception.



Image: The Metra 40-GM12 GM Antenna Adapter, a black cable with connectors on both ends, designed to bridge a factory GM antenna to an aftermarket radio.

OPERATING INSTRUCTIONS

Once the Metra 40-GM12 antenna adapter is correctly installed, it operates automatically. The adapter passively converts the factory GM antenna signal for compatibility with your aftermarket radio. No further user interaction with the adapter itself is required. Simply operate your aftermarket radio as usual to access radio stations.

MAINTENANCE

The Metra 40-GM12 antenna adapter is a passive component and requires no routine maintenance. To ensure continued optimal performance:

- Periodically check that all connections remain secure, especially if the vehicle experiences significant vibrations.
- Avoid exposing the adapter to excessive moisture or extreme temperatures.
- Do not attempt to disassemble or modify the adapter, as this may damage the unit and void any warranty.

TROUBLESHOOTING

If you encounter issues after installing the Metra 40-GM12 adapter, consider the following troubleshooting steps:

- **No Radio Signal or Poor Reception:**
 - Ensure both ends of the adapter are fully and securely connected to the factory antenna cable and the aftermarket radio.
 - Verify that the aftermarket radio's antenna input is not damaged.
 - Check the factory antenna cable for any visible damage or breaks.
 - Confirm that the vehicle's antenna is properly installed and not obstructed.
- **Excessive Static or Interference:**
 - Ensure all connections are tight and free from corrosion.
 - Check for any loose wiring or unshielded cables near the antenna connections that could cause interference.
 - In some installations, the adapter might be a tight fit behind the radio. Ensure it is not bent or crimped, which could affect signal quality.
- **Adapter Does Not Fit:**
 - Confirm that your vehicle's factory antenna plug is indeed the mini barbed or barbless type compatible with this adapter.
 - Ensure your aftermarket radio has a standard antenna input.
 - If the adapter is too short for your installation, an antenna extension cable (sold separately) may be required.

SPECIFICATIONS

Brand	Metra
Model Number	40-GM12
Compatibility	GM factory antenna (1998-2013 vehicles) to aftermarket radio
Antenna Type	Radio
Connector Type (GM Side)	Mini barbed or barbless plug
Connector Type (Aftermarket Side)	Standard coaxial antenna plug
Color	Black
Impedance	50 Ohms
Item Weight	2.08 ounces

WARRANTY INFORMATION

For detailed information regarding the warranty for your Metra 40-GM12 GM Antenna Adapter, please contact the manufacturer directly. Warranty terms and conditions may vary and are typically provided with the product packaging or available on the official Metra website.

SUPPORT

Should you require technical assistance, have questions about installation, or need further support for your Metra 40-GM12 GM Antenna Adapter, please refer to the following resources:

- **Metra Official Website:** Visit www.metraonline.com for product information, FAQs, and contact details.
- **Customer Service:** Contact Metra customer support for direct assistance. Refer to their website for current contact methods (phone, email, etc.).