

Metra AXBUCH-T36V

Metra AXBUCH-T36V RVC Harness for Toyota 2014-Up Installation Manual

Model: AXBUCH-T36V

INTRODUCTION

This manual provides detailed instructions for the installation and operation of the Metra AXBUCH-T36V RVC Harness. This product is designed to integrate with Toyota vehicles from 2014 and newer, facilitating the retention of the factory backup camera when installing an aftermarket radio, or allowing the addition of an aftermarket camera to the factory screen (for display and navigation model radios only).

The harness includes the AXCSD-6V 12-volt to 6-volt converter, essential for proper camera functionality.

SAFETY INFORMATION

WARNING:

- Always disconnect the vehicle's battery before beginning any electrical installation.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Consult a professional automotive technician if you are unsure about any part of the installation process.
- Improper installation can lead to vehicle damage or personal injury.

PACKAGE CONTENTS

- Metra AXBUCH-T36V RVC Harness
- AXCSD-6V 12-volt to 6-volt converter

SETUP AND INSTALLATION

The Metra AXBUCH-T36V harness provides two primary functionalities:

1. **Retaining Factory Backup Camera to an Aftermarket Radio:**

This configuration allows your vehicle's existing backup camera to display on a new aftermarket head unit. Follow these steps:

- Locate the factory camera harness behind the radio or in the vehicle's dash.
- Connect the appropriate end of the AXBUCH-T36V harness to the factory camera harness.
- Connect the RCA video output from the AXBUCH-T36V harness to the camera input on your aftermarket radio.
- Ensure the AXCSD-6V converter is properly integrated into the camera power line, providing the correct voltage to the factory camera. Refer to the wiring diagram for specific connections.
- Test the camera functionality after installation by engaging reverse gear.

2. **Adding an Aftermarket Camera to the Factory Screen (Display and Navigation Models Only):**

This option allows you to integrate a new aftermarket camera with your vehicle's original factory display. This is typically used for front cameras or additional side cameras, not to replace the factory backup camera.

- Identify the video input port on the AXBUCH-T36V harness designed for aftermarket camera input.
- Connect the RCA video output from your aftermarket camera to this input.
- Connect the AXBUCH-T36V harness to the factory radio's video input.
- Power the aftermarket camera according to its manufacturer's instructions. The AXCSD-6V converter is typically not used for the aftermarket camera itself, but for the factory camera if it's also being used.
- Accessing the aftermarket camera on the factory screen may require specific radio settings or an external trigger, depending on the vehicle model.



Image: The Metra AXBUCH-T36V RVC Harness showing various wiring connectors, including multi-pin white connectors for vehicle integration and yellow RCA cables for video signal transmission. A black 12-volt to 6-volt converter is also visible.

General Wiring Considerations:

- **Power Connections:** Ensure all power and ground connections are made securely.
- **Video Signal:** The yellow RCA connectors are for video signals. Connect them to the corresponding video input/output ports.
- **AXCSD-6V Converter:** This converter is crucial for providing the correct 6-volt power to the factory backup camera, which typically operates at a lower voltage than the vehicle's 12-volt system. Connect it inline with the factory camera's power wire.

OPERATING INSTRUCTIONS

Once the Metra AXBUCH-T36V RVC Harness is correctly installed, the operation of the backup camera system will depend on your specific setup:

- **Factory Camera with Aftermarket Radio:** The backup camera image should automatically appear on your aftermarket radio's screen when the vehicle is shifted into reverse gear.
- **Aftermarket Camera with Factory Screen:** The method to activate the aftermarket camera on the factory screen varies by vehicle and radio model. It may involve:
 - Automatic activation when a specific trigger (e.g., turn signal for side camera) is engaged.
 - Manual selection through the factory radio's menu interface.
 - An external switch or interface module (not included with this harness) to toggle camera views.

Refer to your aftermarket radio's manual or your vehicle's factory radio manual for specific camera activation procedures.

MAINTENANCE

The Metra AXBUCH-T36V RVC Harness is designed for long-term reliability and requires minimal maintenance. To ensure optimal performance:

- Periodically inspect all wiring connections for tightness and corrosion.
- Ensure the harness is not exposed to excessive moisture or extreme temperatures.
- Avoid pulling or straining the wires, especially at connection points.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No camera image on screen.	• Loose video connection. • Incorrect power to camera. • Camera input not selected on radio. • Faulty camera or harness.	• Check all RCA and power connections. • Verify 6V output from AXCSD-6V converter for factory camera. • Ensure radio is set to the correct camera input. • Test camera directly if possible.

Problem	Possible Cause	Solution
Image is distorted or flickering.	- Poor video signal connection. - Ground loop interference. - Incorrect voltage.	- Secure all video connections. - Ensure proper grounding for all components. - Verify correct voltage supply to the camera.
Camera does not activate automatically.	- Reverse trigger wire not connected. - Radio settings incorrect.	- Ensure the reverse trigger wire from the harness (if applicable) is connected to the radio's reverse input. - Check aftermarket radio settings for camera activation.

SPECIFICATIONS

Brand	Metra
Model Number	AXBUCH-T36V
Material	Polyvinyl Chloride (PVC)
Item Dimensions (L x W x H)	12 x 4 x 0.5 inches
Wire Diameter	1.5 Millimeters
Item Weight	4.2 ounces
UPC	086429384662

WARRANTY INFORMATION

Metra products are typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Metra website. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact Metra customer support. Contact information can usually be found on the official Metra website or on the product packaging. Website: www.metraonline.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question