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YONGJIANGXIA GMRSAV

YONGJIANGXIA GMRSAV OEM Rear Seat Entertainment Retention Harness User Manual

1. Introduction

This user manual provides comprehensive instructions for the installation and proper use of the YONGJIANGXIA GMRSAV OEM Rear Seat Entertainment (RSE) Retention Harness. This product is designed to integrate with your vehicle's existing RSE system when an aftermarket radio is installed, ensuring continued functionality of the factory overhead video monitors.

Please read this manual thoroughly before beginning installation to ensure correct setup and to prevent damage to your vehicle or the product.

2. Product Overview

The GMRSAV harness facilitates the retention of your vehicle's factory rear seat entertainment system. It provides the necessary video signal to factory overhead video monitors that do not have a built-in DVD player, allowing them to display content from a newly installed aftermarket radio.

Key Function: Retains factory RSE system functionality after aftermarket radio installation.

Note: This harness is an interface component and must be used in conjunction with a compatible Axxess GMOS-LAN series radio replacement module (GMOS-LAN-01, GMOS-LAN-02, or GMOS-LAN-012).

3. Compatibility

This harness is compatible with select General Motors (GM) vehicles from 2006 to 2017. Please verify your vehicle's make, model, and year against the list below:

- Buick (2006-2017)
- GMC (2006-2017)
- Chevrolet (2006-2017)
- Cadillac (2006-2017)
- Pontiac (2006-2017)
- Suzuki (2006-2017)
- Hummer (2006-2017)
- Saturn (2006-2017)

Important: This harness requires an Axxess GMOS-LAN-01, Axxess GMOS-LAN-02, or Axxess GMOS-LAN-012 radio replacement module for proper operation. These modules are sold separately.

4. Package Contents

Upon opening the package, please ensure all components are present and undamaged:

- 1x YONGJIANGXIA GMRSAV Rear Seat Entertainment Retention Harness

5. Installation Instructions

Professional installation is recommended. Disconnect the vehicle's battery before beginning any electrical work.

5.1 Pre-Installation Steps

1. **Disconnect Battery:** Always disconnect the negative terminal of the vehicle's battery before starting any electrical installation.
2. **Remove Factory Radio:** Carefully remove the factory radio from the dashboard. Refer to your vehicle's service manual for specific instructions.
3. **Identify Wiring:** Locate the factory wiring harness connections behind the radio.

5.2 Harness Connection

4. **Connect to GMOS-LAN Module:** Plug the 20-pin female connector of the GMRSAV harness into the corresponding port on your Axxess GMOS-LAN-01, GMOS-LAN-02, or GMOS-LAN-012 module. Ensure a secure connection.



Image: Close-up view of the 20-pin female connector on the GMRSAV harness, which connects to the Axxess GMOS-LAN module.

5. **Connect RCA Cables:** The GMRSAV harness features multiple RCA (Red, White, Yellow) connectors. These will connect to the video output and audio output (if applicable) ports on your aftermarket radio. Match the colors accordingly (Yellow for video, Red for right audio, White for left audio).



Image: The complete YONGJIANGXIA GMRSAV harness, showing the main 20-pin connector on one end and multiple RCA (Red, White, Yellow) cables on the other, designed for connecting to an aftermarket radio and the GMOS-LAN module.

6. **Ground Wire:** Connect the small black wire with a ring terminal (ground wire) to a suitable chassis ground point in the vehicle. Ensure a clean, secure connection for optimal performance.
7. **Aftermarket Radio Installation:** Proceed with the installation of your aftermarket radio, following its specific instructions. Ensure all other necessary connections (power, speakers, antenna, etc.) are made.

5.3 Post-Installation

8. **Reconnect Battery:** Once all connections are secure and verified, reconnect the negative terminal of the vehicle's battery.
9. **Test System:** Turn on the vehicle and the aftermarket radio. Verify that the factory rear seat entertainment monitors receive and display the video signal correctly. Test all functions of the RSE system.
10. **Reassemble Dashboard:** Carefully reassemble the dashboard components.

6. Operating Instructions

Once the GMRSAV harness and aftermarket radio are correctly installed, the operation of your rear seat entertainment system will largely depend on the features and controls of your new aftermarket radio. The harness acts as an intermediary to pass the video signal.

- **Video Source Selection:** Use your aftermarket radio's controls to select the desired video source (e.g., DVD, USB video, auxiliary input).
- **Monitor Display:** The factory overhead monitors should automatically display the selected video content from the aftermarket radio.
- **Audio Output:** If the harness also carries audio signals, the rear seat entertainment system's audio will be routed through the vehicle's sound system or headphones, depending on your factory setup and aftermarket radio configuration.

7. Troubleshooting

If you encounter issues after installation, consider the following troubleshooting steps:

- **No Video on RSE Monitors:**
  - Verify all RCA video connections are secure and correctly matched (Yellow to Yellow).
  - Ensure the GMRSAV harness is firmly connected to the Axxess GMOS-LAN module.
  - Confirm that the aftermarket radio is outputting a video signal. Check the radio's settings.
  - Ensure your factory overhead monitors do not have a built-in DVD player, as this harness is for monitors that receive an external video signal.
- **No Audio from RSE System:**
  - Check RCA audio connections (Red/White) from the aftermarket radio to the harness.
  - Verify the aftermarket radio's audio output settings.
  - Ensure the GMOS-LAN module is correctly configured for audio retention.
- **Intermittent Functionality:**
  - Inspect all connections for looseness or corrosion.
  - Ensure the ground wire is securely attached to a clean, unpainted metal surface.
- **System Not Powering On:**
  - Confirm the vehicle battery is fully charged and properly reconnected.
  - Check all power and ground connections to the aftermarket radio and GMOS-LAN module.

If issues persist after performing these checks, consult a professional car audio installer or contact YONGJIANGXIA customer support.

8. Specifications

Feature	Specification
Model Number	GMRSAV
Brand	YONGJIANGXIA
Material	Polyvinyl Chloride (PVC)
Connector Type	20pin Female
Item Weight	0.07 Kilograms (approx. 2.4 ounces)
Package Dimensions	7.44 x 5.83 x 1.18 inches

9. Warranty and Support

For specific warranty information, please refer to the product packaging or contact the seller directly. YONGJIANGXIA is committed to providing quality products.

If you require technical assistance or have questions regarding the GMRSAV harness, please contact your point of purchase or the manufacturer's customer support channels.

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