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› PARANNIC OBD2 12+8 Extension Adapter Cable User Manual

PARANNIC 12 8 Extension Adapter Cable

PARANNIC OBD2 12+8 Extension Adapter Cable User Manual

WELCOME

This manual provides detailed instructions for the proper use and maintenance of your PARANNIC OBD2 12+8 Extension Adapter Cable. Please read this manual thoroughly before use to ensure optimal performance and safety.

PRODUCT OVERVIEW

Purpose

The PARANNIC OBD2 12+8 Extension Adapter Cable is designed to facilitate diagnostic procedures on specific Chrysler, Dodge, Jeep, and Ram vehicles manufactured after 2018. It serves as a bypass for the vehicle's Security Gateway Module (SGM) or SGW, enabling full communication between a diagnostic scanner and the vehicle's systems.



Image: A set of PARANNIC OBD2 12+8 Extension Adapter Cables, showing the various connectors.

Key Features

- Enables diagnostic access to Chrysler, Dodge, Jeep, and Ram vehicles (2018 and newer) equipped with an SGM/SGW.
- Compatible with various diagnostic scanners, including Autel MaxiSys series (MS906, MS906BT, MS906TS, MS908, MS908S, MS908S PRO, MaxiSys Elite).
- Plug-and-play design for ease of use.
- Constructed with high-quality materials for stable data transmission and durability.

Package Contents

The package includes the PARANNIC OBD2 12+8 Extension Adapter Cable (4 PCS variant).

SETUP INSTRUCTIONS

Identifying the Security Gateway Module (SGM/SGW)

The SGM/SGW is typically located behind the radio, glove box, or under the dashboard, depending on the vehicle model. Consult your vehicle's service manual for the exact location.

Connection Procedure

1. Locate the vehicle's Security Gateway Module (SGM/SGW).
2. Disconnect the original 12-pin and 8-pin connectors from the SGM/SGW.
3. Connect the male end of the PARANNIC 12-pin extension cable to the vehicle's 12-pin female connector.
4. Connect the female end of the PARANNIC 12-pin extension cable to the 12-pin port on the SGM/SGW.
5. Connect the male end of the PARANNIC 8-pin extension cable to the vehicle's 8-pin female connector.
6. Connect the female end of the PARANNIC 8-pin extension cable to the 8-pin port on the SGM/SGW.
7. Ensure all connections are secure. The extension cables now provide an accessible point for your diagnostic scanner to bypass the SGM/SGW.



Image: A visual guide demonstrating the five steps to connect the extension cables to the vehicle's SGM/SGW.

12Pin Extension Cable for Chrysler



12Pin male

12Pin Female

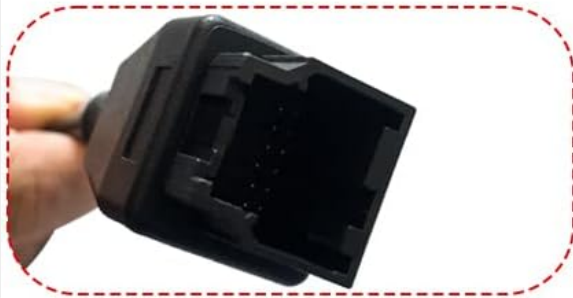


Image: Detail of the 12-pin extension cable, showing both male and female connectors.

8Pin Extension Cable for Chrysler



8Pin Female

8Pin male



Image: Detail of the 8-pin extension cable, showing both male and female connectors.

OPERATING INSTRUCTIONS

Using with a Diagnostic Scanner

Once the PARANNIC OBD2 12+8 Extension Adapter Cable is installed, connect your compatible diagnostic scanner (e.g., Autel MaxiSys) to the newly accessible 12+8 pin connectors. The cable facilitates direct communication, allowing the scanner to perform functions that would otherwise be blocked by the SGM/SGW.

Compatible Scanners

- Autel MaxiSys MS905
- Autel MaxiSys MS906
- Autel MaxiSys MS906BT
- Autel MaxiSys MS906TS
- Autel MaxiSys MS908
- Autel MaxiSys MS908S

- Autel MaxiSys MS908S PRO
- Autel MaxiSys Elite
- Other compatible diagnostic tools for FCA vehicles (2018+)

Important Notes

- Always ensure the vehicle's ignition is off before connecting or disconnecting the cables.
- Refer to your diagnostic scanner's user manual for specific operation procedures.
- The cable is designed for diagnostic purposes and should not interfere with normal vehicle operation when installed correctly.

MAINTENANCE

Cleaning

Keep the cable connectors clean and free from dirt, dust, and moisture. Use a dry, lint-free cloth to wipe the connectors if necessary. Avoid using harsh chemicals or abrasive materials.

Storage

Store the cable in a cool, dry place away from direct sunlight and extreme temperatures when not in use. Avoid bending or kinking the cable excessively to prevent internal damage.

Inspection

Periodically inspect the cable for any signs of wear, damage, or corrosion on the connectors or insulation. Discontinue use if any damage is observed.

TROUBLESHOOTING

No Communication with Scanner

- **Check Connections:** Ensure all 12-pin and 8-pin connectors are securely seated.
- **Vehicle Ignition:** Verify the vehicle's ignition is in the "ON" position (or engine running, as required by your scanner).
- **Scanner Compatibility:** Confirm your diagnostic scanner is compatible with FCA vehicles (2018+) and the specific diagnostic function you are attempting.
- **SGM/SGW Location:** Double-check that you have correctly identified and connected to the vehicle's SGM/SGW.
- **Cable Integrity:** Inspect the extension cable for any visible damage.

Intermittent Connection

- **Secure Connections:** Re-seat all connectors firmly.
- **Cable Movement:** Ensure the cable is not being pulled or stressed during diagnosis.
- **Environmental Factors:** Avoid using in extremely wet or dusty conditions.

SPECIFICATIONS

Feature	Detail
Brand	PARANNIC
Model Name	12 8 Extension Adapter Cable
Connector Type	12+8pin
Connector Gender	Male-to-Male
Number of Pins	20 (12-pin and 8-pin connectors)
Compatible Devices	Vehicle Diagnostic Scanners (e.g., Autel MaxiSys MS905, MS906, MS908, Elite)
Recommended Uses	Automotive diagnostics, SGM/SGW bypass for FCA vehicles (2018+)
Maximum Voltage	12 Volts (DC)
Material	Pure Copper Cable
Item Weight	Approximately 0.25 Kilograms (8.8 ounces)
Package Dimensions	6.89 x 4.88 x 1.65 inches

Pure Cooper Cable

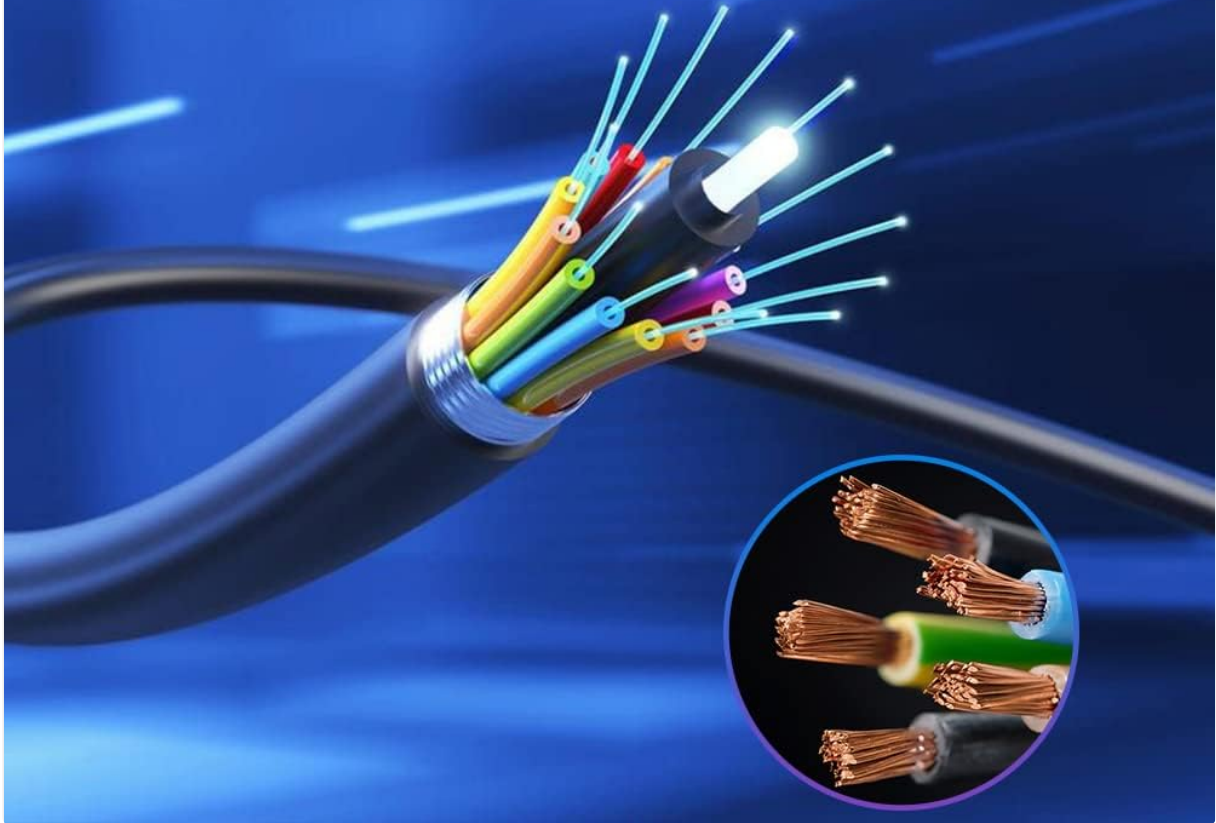


Image: A cross-section view illustrating the pure copper strands within the cable, highlighting its quality construction.

WARRANTY AND SUPPORT

Warranty Information

This PARANNIC product is covered by a 36-month warranty from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

Customer Support

For technical assistance, warranty claims, or any questions regarding your PARANNIC OBD2 12+8 Extension Adapter Cable, please contact PARANNIC customer support through the retailer where the product was purchased or visit the official PARANNIC store online.