

[Manuals.plus](#) /

› [Camco](#) /

› Camco Power Grip 18 Inch Locking Dogbone Adapter 30A Male to 50A Female (Model 21054) Instruction Manual

Camco 21054

Camco Power Grip 18" Locking Dogbone Adapter

Model 21054 Instruction Manual

INTRODUCTION AND OVERVIEW

The Camco Power Grip 18" Locking Dogbone Adapter (Model 21054) is designed to facilitate the connection of a marine-style 50-amp RV power inlet to a standard 30-amp power source. This adapter features 90-degree heads to reduce strain on the RV connection and a threaded locking ring to ensure a secure, weatherproof seal. It provides a convenient solution for RV owners needing to adapt power sources.



Image: The Camco Power Grip 18 inch Locking Dogbone Adapter, displaying its full length with the 30 Amp male plug on one end and the 50 Amp female locking receptacle on the other.

SAFETY INFORMATION

WARNING: Electrical Shock Hazard.

- Always ensure the power source at the campground pedestal is turned OFF before connecting or disconnecting the adapter.
- Do not use this adapter if the cord, plugs, or receptacles show any signs of damage, cuts, or fraying.
- Keep all electrical connections dry and away from water.
- This adapter is intended for temporary use only and should not be used for permanent installations.
- Ensure the power source voltage and amperage ratings are compatible with your RV's requirements. Overloading circuits can lead to electrical hazards, equipment damage, or fire.

PACKAGE CONTENTS

- One (1) Camco Power Grip 18" Locking Dogbone Adapter (30 Amp Male to 50 Amp Female, 90-Degree Locking)

FEATURES

- **Length:** 18 inches for flexible connection.
- **Electrical Rating:** 125 Volts / 3750 Watts.
- **Cord Type:** Durable 10/3 STW cord.
- **Connectors:** NEMA TT-30P (30 Amp Male) and SS2-50R (50 Amp Female, Locking).
- **Weatherproof Connection:** Threaded locking ring on the 50 Amp female end ensures a secure and weatherproof seal.
- **Strain Relief:** 90-degree connector heads minimize strain on the RV's power inlet.
- **Ergonomic Design:** Patented Power Grip handles facilitate easy and safe plugging and unplugging.

SETUP AND INSTALLATION

1. **Turn Off Power:** Locate the circuit breaker at the campground power pedestal and ensure it is in the OFF position. This is a critical safety step to prevent electrical shock.
2. **Connect to RV:** Take the 50-amp female end (SS2-50R) of the dogbone adapter. Align the pins with the 50-amp power inlet on your RV. Insert the adapter fully into the RV's inlet. Twist the adapter clockwise to lock it into place, then tighten the threaded locking ring to secure a weatherproof connection.





Image: Close-up view of the 50 Amp female locking end (SS2-50R) of the adapter, showing the threaded locking ring.

3. **Connect to Power Cord:** Take the 30-amp male end (NEMA TT-30P) of the dogbone adapter. Connect it to your standard 30-amp RV power cord.





Image: Close-up view of the 30 Amp male plug end (NEMA TT-30P) of the adapter.

4. **Connect to Pedestal:** Connect the other end of your 30-amp RV power cord to the 30-amp receptacle on the campground power pedestal.
5. **Restore Power:** Once all connections are secure and properly seated, turn ON the circuit breaker at the campground power pedestal.

OPERATING INSTRUCTIONS

The Camco Power Grip Dogbone Adapter functions by safely converting a 30-amp power source to a 50-amp connection for your RV. Once connected following the Setup and Installation steps, your RV will receive power from the 30-amp

source. It is important to monitor your RV's power consumption to avoid exceeding the 30-amp limit of the power source, which could trip the breaker or cause damage.

MAINTENANCE

- **Regular Inspection:** Periodically inspect the adapter for any signs of wear, cuts, cracks, or damage to the cord insulation, plugs, or receptacles. Replace the adapter immediately if any damage is found.
- **Clean Connections:** Ensure the locking ring and connector pins are clean and free of dirt, debris, or corrosion to maintain a proper electrical connection and weatherproof seal. Use a dry cloth for cleaning; do not use liquids or abrasive cleaners.
- **Proper Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid kinking or tightly coiling the cord.

TROUBLESHOOTING

- **No Power to RV:**
 - Verify that the circuit breaker at the campground pedestal is in the ON position.
 - Ensure all connections (adapter to RV, adapter to power cord, power cord to pedestal) are fully seated and secure.
 - Inspect the adapter and your RV power cord for any visible damage.
 - Check the internal circuit breakers within your RV to ensure they are not tripped.
- **Loose Connection or Intermittent Power:**
 - Ensure the threaded locking ring on the 50-amp female end is fully tightened.
 - Confirm the 30-amp male plug is fully inserted into your 30-amp power cord.
- **Adapter or Connectors Overheating:**
 - Immediately disconnect power from the pedestal. Overheating indicates a potential overload or a faulty connection.
 - Reduce the number of high-draw appliances operating in your RV.
 - Inspect for any signs of damaged wiring or connectors that could cause resistance and heat buildup.

SPECIFICATIONS

Specification	Detail
Model Number	21054
Input Connector	NEMA TT-30P (30 Amp Male)
Output Connector	SS2-50R (50 Amp Female, Locking)
Length	18 inches
Voltage Rating	125 Volts
Wattage Rating	3750 Watts
Cord Type	10/3 STW

Specification	Detail
Item Weight	2.55 pounds
Package Dimensions	19.75 x 5.5 x 3.75 inches
Manufacturer	Camco

WARRANTY INFORMATION

For detailed warranty information regarding your Camco Power Grip 18" Locking Dogbone Adapter, please refer to the official Camco website or the documentation included with your purchase. It is recommended to retain your purchase receipt for any potential warranty claims.

SUPPORT AND CONTACT

Should you require technical assistance, have questions about your product, or need to report an issue, please visit the official Camco website for support resources and contact information:

www.camco.net

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

Open the live page

<https://manuals.plus/asin/B08324V82M>

More documents and user manuals: <https://manuals.plus/>