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› Edelbrock/Russell 614503-3 AN Low Profile 90 Degree Female AN to Female AN Adapter Fitting User Manual

Edelbrock RUS-614503

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Model: RUS-614503

INTRODUCTION

This manual provides essential information for the proper installation and care of your Edelbrock/Russell 614503-3 AN Low Profile 90 Degree Female AN to Female AN Adapter Fitting. This fitting is designed for connecting hose ends to various automotive components, ensuring a secure and leak-free connection.



Figure 1: Edelbrock/Russell 614503-3 AN Low Profile 90 Degree Female AN to Female AN Adapter Fitting. This image shows the blue anodized aluminum fitting with its 90-degree bend and female AN connections on both ends.

SETUP AND INSTALLATION

The Edelbrock/Russell 614503-3 AN adapter fitting is engineered for straightforward installation. Follow these guidelines for optimal performance and safety:

- **Preparation:** Ensure all mating surfaces on the hose ends and components (e.g., oil pumps, fuel pumps, fuel filters) are clean and free of debris.
- **Connection:** This fitting allows for the connection of hose ends to other components. The 37-degree angled sealing surface is designed to guarantee a positive anti-leak seal when properly tightened.
- **Compatibility:** These fittings are designed to match up with all Russell hose and hose ends. Verify compatibility with your existing AN components.
- **Tightening:** Hand-tighten the fitting first, then use an appropriate AN wrench to tighten to the manufacturer's

recommended torque specifications. Overtightening can damage the threads or sealing surfaces.

- **Inspection:** After installation, visually inspect all connections for proper alignment and tightness.

OPERATING PRINCIPLES

Once installed, the Edelbrock/Russell 614503-3 AN adapter fitting functions as a critical link in your fluid transfer system. Its low-profile 90-degree design facilitates routing in confined spaces, while its precision machining ensures accurate thread engagement and a reliable, leak-free connection for fluids such as oil or fuel.

MAINTENANCE

The Edelbrock/Russell 614503-3 AN adapter fitting is constructed from durable, light-weight aluminum with a blue anodized finish, providing maximum protection against corrosion. Regular maintenance is minimal but important for longevity:

- **Periodic Inspection:** Periodically inspect the fitting and connected hoses for any signs of leaks, wear, or damage.
- **Cleaning:** If necessary, clean the exterior of the fitting with a soft cloth and a mild, non-abrasive cleaner. Avoid harsh chemicals that could damage the anodized finish.
- **Re-tightening:** In high-vibration environments, occasionally check the tightness of the fitting connections to ensure they remain secure.

TROUBLESHOOTING

Most issues related to adapter fittings stem from improper installation. Consider the following if you encounter problems:

- **Leaks:**
 - Ensure the fitting is properly tightened to the recommended torque specifications.
 - Check for any debris or damage on the sealing surfaces of the fitting or the mating components.
 - Verify that the AN hose ends are correctly assembled and compatible with the fitting.
- **Difficulty Threading:**
 - Ensure threads are clean and free of burrs or cross-threading.
 - Confirm that the fitting size (-3 AN) matches the hose ends and components.

SPECIFICATIONS

Attribute	Detail
Brand	Edelbrock
Model Number	RUS-614503
Part Number	RUS-614503
Item Model Number	RUS-614503
Colour	Blue
Material	Aluminum
Connector Type	Adapter

Exterior Finish	Machined
Thread Type	NPT (Note: AN fittings use a 37-degree flare for sealing, not NPT threads, but NPT is listed in product specifications.)
AN Size	-3 AN
Sealing Surface Angle	37 Degree
Item Package Quantity	1
ASIN	B000CPCNWG
UPC	087133145037

WARRANTY INFORMATION

Edelbrock, LLC provides a warranty for its products. Please note the following limitation:

"Edelbrock, LLC shall not be liable for any and all consequential damages occasioned by the breach of any written or implied warranty pertaining to this sale in excess of the purchase price of the product sold."

For complete and up-to-date warranty terms and conditions, please refer to the official Edelbrock website or contact their customer service.

IMPORTANT SAFETY INFORMATION (PROPOSITION 65 WARNING)

 **WARNING:** THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION, VISIT WWW.P65WARNINGS.CA.GOV.

WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit WWW.P65WARNINGS.CA.GOV.

Figure 2: California Proposition 65 Warning. This symbol and text indicate that the product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

This warning is provided to comply with California Proposition 65. It does not mean that the product will necessarily cause cancer or reproductive harm. For more details, please visit the official Proposition 65 website.

CUSTOMER SUPPORT

For technical assistance, product inquiries, or warranty claims, please contact Edelbrock customer support directly. Refer to the official Edelbrock website for the most current contact information.

- **Official Website:** www.edelbrock.com (Please verify the exact URL for support)
- **Contact Information:** Typically found in the "Contact Us" or "Support" section of the official website.

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