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› [Edelbrock](#) /

› Edelbrock Russell 624100 Twist-Lok Hose End Instruction Manual

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Model: 624100

PRODUCT OVERVIEW

The Edelbrock/Russell 45 Degree Twist-Lok Hose End is engineered for performance automotive applications. Constructed from lightweight anodized aluminum, this fitting is designed for easy assembly with push-on barb technology, making it compatible with AN adapter fittings and carburetor fittings. Its 45-degree angle provides flexibility in routing fuel or fluid lines.





Image: Front view of the Edelbrock Russell 45-Degree Twist-Lok Hose End, showcasing its blue anodized finish and 45-degree angle.

SAFETY INFORMATION

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.

Image: A warning label indicating potential chemical exposure and directing users to the California Proposition 65 website for more information.

Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling automotive fluids and components. Ensure proper ventilation in your workspace.

SETUP AND INSTALLATION

The Russell Twist-Lok hose ends are designed for use with Russell Twist-Lok hose. Proper installation is critical for a leak-free and secure connection.

Required Tools:

- Hose cutter (specifically designed for braided or rubber hose)
- Clean rag
- Light lubricant (e.g., assembly lube or clean engine oil)
- Vise with soft jaws (optional, for securing the hose end during assembly)

Installation Steps:

1. **Prepare the Hose:** Cut the Russell Twist-Lok hose to the desired length using a proper hose cutter to ensure a clean, square cut. Remove any debris from the inside of the hose.
2. **Lubricate the Barb:** Apply a small amount of light lubricant to the barb section of the hose end. This will aid in easier insertion and prevent damage to the hose.
3. **Insert the Hose:** Push the hose onto the barb of the hose end. Apply firm, steady pressure while twisting the hose onto the barb until the hose fully seats against the collar of the hose end. Ensure the hose is completely seated to prevent leaks.
4. **Verify Connection:** Visually inspect the connection to ensure the hose is fully seated and the barb is completely covered by the hose. The hose should not be able to pull off easily.
5. **Connect to AN Adapter:** Once the hose is securely attached to the Twist-Lok hose end, connect the AN threaded portion of the hose end to the corresponding AN adapter fitting or carburetor fitting. Tighten securely using an appropriate wrench, ensuring not to overtighten.



Image: Side view of the hose end, illustrating the barb design where the hose is pushed on and the swivel nut for connecting to AN fittings.

Note: This hose end is designed for push-on applications and does not require a crimping tool. Always ensure the hose used is compatible with Twist-Lok fittings.

OPERATING CONSIDERATIONS

Once installed, the Edelbrock Russell Twist-Lok hose end forms a critical part of your vehicle's fluid transfer system. While these fittings are designed for durability and performance, proper system operation and regular checks are essential.

- **Fluid Compatibility:** Ensure that the hose and fittings are compatible with the type of fluid being transferred (e.g., fuel, oil, coolant).
- **Pressure Ratings:** Do not exceed the maximum recommended operating pressure for the hose and fitting combination. Refer to the specific hose manufacturer's specifications.
- **Temperature Range:** Avoid exposing the hose and fittings to temperatures outside their specified operating range.
- **Routing:** Route hoses away from sharp edges, hot exhaust components, and moving parts to prevent abrasion or heat damage.

MAINTENANCE AND INSPECTION

Regular inspection of your fluid transfer system, including the hose ends, is crucial for safety and performance.

- **Visual Inspection:** Periodically check all hose connections for signs of leaks, cracks, or wear. Look for discoloration, swelling, or hardening of the hose near the fitting.
- **Tightness Check:** Ensure that the AN threaded connections remain tight. Do not overtighten, as this can damage the threads or sealing surfaces.
- **Hose Condition:** Inspect the hose itself for any signs of damage, kinks, or abrasion. Replace any hose that shows signs of degradation.
- **Cleaning:** Keep the fittings clean and free of dirt and debris. Use a mild cleaner if necessary, avoiding harsh chemicals that could damage the anodized finish or rubber seals.

TROUBLESHOOTING

Most issues related to hose ends are due to improper installation or incompatible components.

Common Issues and Solutions:

- **Leak at Hose-to-Barb Connection:**
 - *Cause:* Hose not fully seated on the barb.
 - *Solution:* Disassemble and re-install the hose, ensuring it is pushed completely onto the barb until it bottoms out against the fitting's collar.
 - *Cause:* Incompatible hose type.
 - *Solution:* Ensure you are using Russell Twist-Lok hose or another compatible push-on hose designed for these fittings.
- **Leak at AN Threaded Connection:**
 - *Cause:* Insufficient tightening or damaged threads/sealing surface.
 - *Solution:* Check for proper alignment and tighten the AN connection. If leaks persist, inspect the AN flare and threads on both the hose end and the mating adapter for damage. Replace if necessary.
 - *Cause:* Debris in the AN connection.
 - *Solution:* Disassemble, clean threads and sealing surfaces, then reassemble.

SPECIFICATIONS

Attribute	Detail
Model Number	624100
Brand	Edelbrock / Russell
Material	Lightweight Anodized Aluminum
Color	Blue, Red (Anodized Finish)
Angle	45-Degree
Size	-10AN
Connector Type	Barb (for push-on hose)
Thread Type	AN (for mating AN adapter)
Item Weight	2.4 ounces
Country of Origin	USA
UPC	087133241012

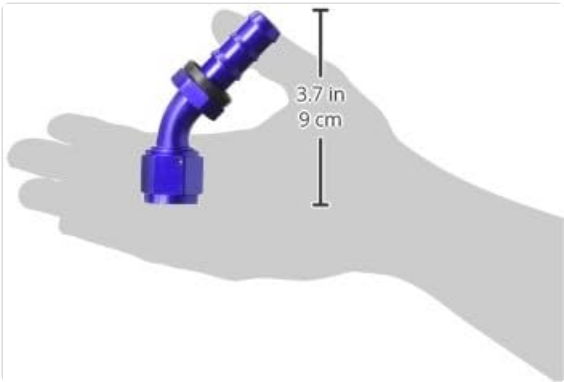


Image: The hose end shown with approximate dimensions, indicating a length of 3.7 inches (9 cm).

QUALITY ASSURANCE AND MANUFACTURING

Edelbrock is committed to producing high-quality automotive components. Their products undergo rigorous testing and are manufactured with precision.

- Every product designed and sold by Edelbrock is tested and approved by Edelbrock engineers in a real-world environment using state-of-the-art equipment.
- Edelbrock maintains quality control through American manufacturing by American workers, with casting and manufacturing facilities located in the USA.
- Edelbrock facilities have earned the world-recognized ISO 9001:2008 registration for quality management systems.

WARRANTY AND SUPPORT

For specific warranty information regarding your Edelbrock/Russell product, please refer to the documentation included with your purchase or visit the official Edelbrock website. For technical support or inquiries, contact Edelbrock customer service directly.

Edelbrock Official Website: www.edelbrock.com

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