



HOSE AND HOSE END ASSEMBLY INSTRUCTIONS

Thank you for choosing **Russell® Performance**. We are proud to be part of the **Edelbrock Group®** family of performance brands and appreciate your trust in our products. **Russell Performance** provides high-quality fluid transfer solutions engineered for durability and precision.

These instructions provide the necessary information for the proper installation and use of your product.

Please read the instructions completely before beginning installation to ensure safe and correct operation.

Most installations can be completed using standard tools and accepted procedures; however, a basic level of mechanical knowledge is recommended. If you are not comfortable performing this installation, it is strongly recommended that a qualified professional complete the work.

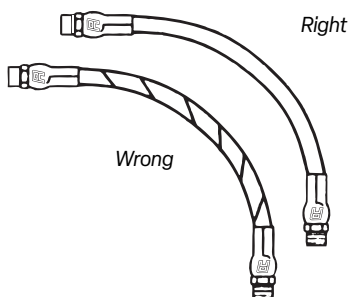
BEFORE YOU BEGIN

- ☐ *Verify this product is compatible with your application*
- ☐ *Ensure all required tools and parts are available*
- ☐ *Work on a clean surface and keep components free of debris*
- ☐ *Verify that all components are the correct size and thread type for your application*
- ☐ *Wear appropriate personal protective equipment (PPE), including safety glasses*

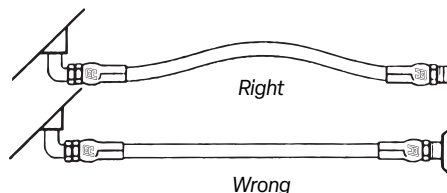
IMPORTANT NOTICE

Proper installation is the responsibility of the installer. Failure to follow instructions may result in poor performance, engine, or vehicle damage, and may void the warranty.

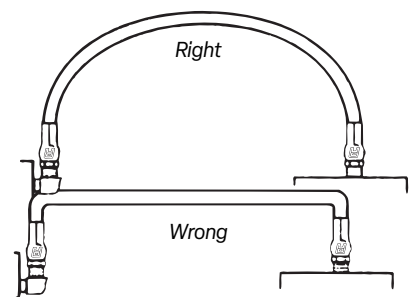
HOSE INSTALLATION TIPS



Avoid installing the hose in a twisted position.



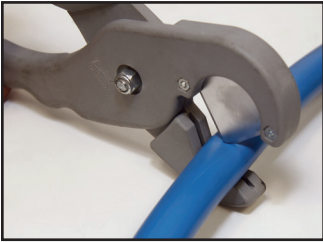
Allow slack in your hose assembly for changes in length that occur under pressure.



When routing the hose assembly, provide a smooth bend radius. Avoid sharp bends, which will collapse the hose I.D. and could restrict flow.



TWIST-LOK® HOSE AND TWIST-LOK HOSE ENDS ASSEMBLY INSTRUCTIONS



1. **Cut** the hose to the desired length using a sharp knife or hose shears. Make the cut as straight and square as possible.



2. **Apply** a light coating of soapy water to the hose and the hose end fitting. **Push** the hose onto the fitting using a slight twisting motion until the hose is fully seated against the collar. For additional leverage, **place** the fitting against a hard surface while **pushing** the hose onto the fitting. An installation tool is also available.



3. The hose assembly is now complete.

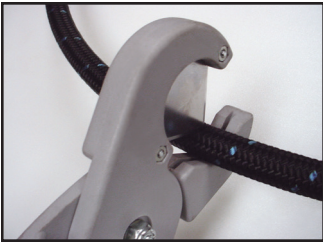
SUPPORT

If you have any questions or require technical assistance, please contact Russell Technical Support (Monday–Friday, 7:00 AM – 5:00 PM (CST):

1-800-999-0853 • www.russellperformance.com



PROCLASSIC™ HOSE WITH PROCLASSIC CRIMP HOSE ENDS ASSEMBLY INSTRUCTIONS



1. **Cut** the hose to the desired length using a razor blade-style hose cutter or hose shears. Make the cut as straight and square as possible.



2. **Slide** the **ProClassic Crimp Collar** onto the hose.



3. **Apply** fitting assembly lubricant or light oil to the barb assembly. **Start** the barb assembly into the hose. **Grasp** the hose behind the collar and **push** the hose onto the barb assembly until it bottoms against the edge of the collar.



4. **Verify** there is no gap between the collar and the barb assembly, as shown. If the collar moves freely between the hose and the end fitting, repeat Step 3.



5. **Verify** the correct die is installed for the hose being crimped. **Raise** the crimper handle to fully open the dies. **Place** the hose end assembly into the dies and **align** the edge of the collar (hose side) with the back face of the dies. **Lower** the handle using the over-center action until the assembly is automatically released from the crimper.



6. **Remove** the assembly and **inspect** the crimp. **Wash** the completed assembly thoroughly and **pressure test** it before placing it into service. The hose assembly is now complete.



PROCLASSIC HOSE WITH FULL FLOW HOSE ENDS ASSEMBLY INSTRUCTIONS



1. **Cut** the hose to the desired length using a razor blade-style hose cutter or hose shears. Make the cut as straight and square as possible.



2. **Unscrew** the socket from the hose end. **Insert** the hose into the socket while **turning** the hose counterclockwise until it seats against the internal shoulder of the socket. **Ensure** the rubber liner does not extend into the socket threads.



3. **Apply** fitting assembly lubricant or light oil to the nipple assembly and the inside threads of the socket. **Insert** the nipple assembly into the socket and hose, then **start** the threads by hand.



4. **Secure** the socket and hose in a vise using soft jaws. **Using** the appropriate AN wrench, **tighten** the nipple assembly until the gap between the nipple hex and the socket is less than **1/16 in. (1.6 mm)**. **Repeat** Steps 1 through 4 to assemble the opposite end of the hose. **Flush** the completed hose assembly with solvent or soapy water, then **blow** it clean with compressed air or allow it to air dry before placing it into service.

SUPPORT

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1-800-999-0853 • www.russellperformance.com



PROFLEX™ HOSE WITH PROCLASSIC CRIMP HOSE ENDS ASSEMBLY INSTRUCTIONS



1. **Determine** the desired hose length and wrap the hose tightly with racing or electrical tape at the cut location. **Clamp** the hose loosely in a vise as close to the tape as possible. **Cut** the hose using a hacksaw with two blades installed in opposite directions or an abrasive cut-off wheel. **Remove** the tape after the cut is complete.



2. **Slide** the **ProClassic Crimp Collar** onto the hose.



3. **Apply** fitting assembly lubricant or light oil to the barb assembly. **Start** the barb assembly into the hose. **Grasp** the hose behind the collar and **push** the hose onto the barb assembly until it bottoms against the edge of the collar.



4. **Verify** there is no gap between the collar and the barb assembly, as shown. If the collar moves freely between the hose and the end fitting, repeat Step 3.



5. **Verify** the correct die is installed for the hose being crimped. **Raise** the crimper handle to fully open the dies. **Place** the hose end assembly into the dies and **align** the edge of the collar (hose side) with the back face of the dies. **Lower** the handle using the over-center action until the assembly is automatically released from the crimper.



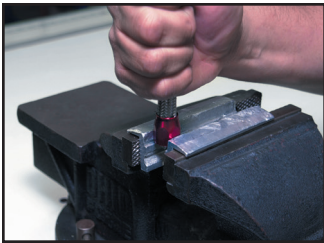
6. **Remove** the assembly and **inspect** the crimp. **Wash** the completed assembly thoroughly and **pressure test** it before placing it into service. The hose assembly is now complete.



PROFLEX HOSE WITH FULL FLOW HOSE ENDS ASSEMBLY INSTRUCTIONS



1. **Determine** the desired hose length and wrap the hose tightly with racing or electrical tape at the cut location. **Clamp** the hose loosely in a vise as close to the tape as possible. **Cut** the hose using a hacksaw with two blades installed in opposite directions or an abrasive cut-off wheel. **Remove** the tape after the cut is complete.



2. **Unscrew** the socket from the hose end nipple. **Secure** the socket in a vise using soft jaws. **Insert** the hose into the socket while turning the hose counterclockwise until it bottoms against the internal shoulder of the socket.



3. **Secure** the nipple assembly in a vise using soft jaws. **Apply** assembly lubricant to the nipple threads and the inside threads of the socket.



4. **Start** the socket onto the nipple by hand and tighten it as far as possible. Using the appropriate AN wrench, **tighten** the socket until it contacts the nipple hex or until the gap between the socket and nipple is no greater than **1/16 in. (1.6 mm)**. **Verify** the gap with a feeler gauge. **Wash** the completed assembly thoroughly and **pressure test** it before placing the assembly into service.

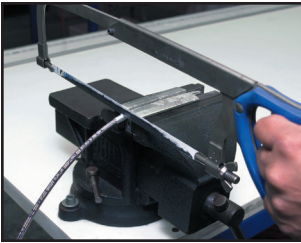
SUPPORT

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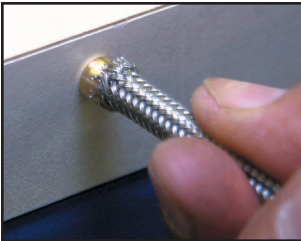
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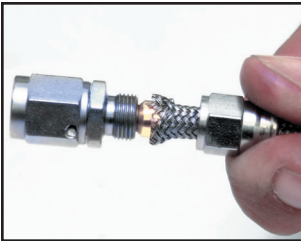
POWERFLEX™ HOSE WITH POWERFLEX HOSE ENDS ASSEMBLY INSTRUCTIONS



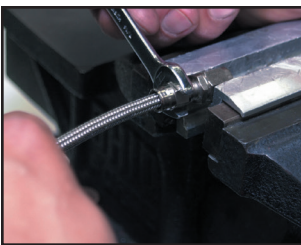
1. **Determine** the desired hose length and wrap the hose tightly with racing or electrical tape at the cut location. **Clamp** the hose loosely in a vise as close to the tape as possible. **Cut** the hose using a hacksaw with two blades installed in opposite directions or an abrasive cut-off wheel. **Remove** the tape after the cut is complete. **Install** the socket on the hose and slide it back out of the way.



2. **Secure** the nipple assembly in a vise using soft jaws. **Insert** the hose onto the nipple using a twisting motion to size the inside diameter of the PTFE liner. Using a small screwdriver, carefully **separate** the stainless-steel braid from the outside diameter of the PTFE liner. DO NOT crush or damage the PTFE liner.



3. **Install** the olive sleeve over the PTFE liner and beneath the stainless-steel braid. The olive can be seated by **pressing** it against the edge of a workbench or vise. **Ensure** the PTFE liner is fully seated against the bottom of the olive. With the nipple assembly secured in the vise, **apply** fitting assembly lubricant sparingly to the nipple and threads. **Insert** the hose onto the nipple assembly, **ensuring** the olive remains properly seated on the PTFE liner.



4. **Start** the socket onto the nipple by hand. Using the appropriate AN wrench, **tighten** the socket until the gap between the nipple and socket is no greater than **1/16 in. (1.6 mm)**. **Wash** the completed hose assembly thoroughly and **pressure test** it before placing it into service.



HOSE ASSEMBLY TOOL

SIZE	Item
-3 & -4	651970
-6 & -8	651971

GENERAL WARRANTY INFORMATION

LIMITED WARRANTY

Thank you for choosing an **Edelbrock Group®** product. **Edelbrock Group** warrants that each new product is free from defects in material and workmanship for the applicable warranty period, provided the product is:

- *Properly installed*
- *Used under normal operating conditions*
- *Properly maintained*
- *Not modified or altered*
- *Not damaged through misuse, abuse, negligence, or unauthorized repair*

This warranty applies only to the original purchaser. If you believe your product is defective, contact **Edelbrock Group Technical Support** before returning the product. Products approved for warranty inspection must be returned freight prepaid with proof of purchase and a description of the issue. If inspection confirms a defect in material or workmanship, **Edelbrock Group** will, at its discretion, repair or replace the product. This warranty covers the product only and does not include labor, removal, installation, shipping, or incidental expenses unless otherwise required by law.

LIMITATION OF LIABILITY

To the maximum extent permitted by law, **Edelbrock Group** shall not be liable for incidental, consequential, property, or personal injury damages resulting from the use or installation of its products. Any implied warranties, including merchantability and fitness for a particular purpose, are limited to the duration of the applicable warranty period unless otherwise prohibited by law.

OFF-HIGHWAY USE

Many **Edelbrock Group** products are intended for off-highway use only. Installation of off-highway products on pollution-controlled vehicles may violate federal, state, or local emissions regulations and may void the vehicle manufacturer's warranty. Always verify local emissions regulations before installation.

TECHNICAL SUPPORT

For product or installation assistance, contact **Edelbrock Group Technical Support:**

800-999-0853 Monday–Friday 7:00 AM – 5:00 PM CST

LEGAL RIGHTS

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

CALIFORNIA PROPOSITION 65 WARNING

This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.



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Phone: 800-365-9145 • www.edelbrockgroup.com