

Installation guide

TwoStep
Big Bore
fuel line

GENUINE
STROMBERG

97

If you need further information
or assistance, please contact your
Genuine Stromberg dealer,

or email us direct at
tech@stromberg-97.com

or log on to our Tech Center at
www.stromberg-97.com



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Picture 1: 9146-BIG 3x2. Big Bore 3-into-1 stainless fuel line for Small Block Chevy

WARNING!

Never smoke, use an open flame, or produce any sparks where gasoline or gasoline vapors could be present. Always perform any work on the fuel system in a well ventilated area. Disconnecting fuel lines will usually result in some gasoline being spilled. Use a catch bottle to collect excess fuel. Clean up any spilled fuel before continuing. Failure to do so may result in the build up of dangerous gasoline or other combustible vapors that may cause severe respiratory injury, or a fire or explosion, resulting in property damage, serious personal injury or death.

WARNING!

Stromberg recommends that installation be performed only by a professional auto mechanic. An improperly fitted fuel line may cause poor performance or lead to property damage, personal injury or death, and may void your warranty.

WARNING!

Always disconnect your vehicle's battery and make sure that the engine is cool before performing any work on the fuel system. Failure to do so may produce sparks, causing a fire or explosion, resulting in property damage, serious personal injury or death.

WARNING!

Stromberg 97 (and BIG 97), 81 and 48 carburetors are designed for between 2.5 psi and 3.0 psi MAXIMUM fuel pressure measured at the carburetor. Excess pressure will upset the carburetor's signal balance and cause flooding which may cause a fire or explosion resulting in property damage, serious personal injury or death. Many modern electric fuel pumps are designed to provide higher pressures and require the use of a fuel regulator when used with Stromberg carburetors. Always check the manufacturer's specification.

WARNING!

These instructions, including the diagrams, must be read and fully understood before installation, otherwise installation should not be attempted. Failure to follow these instructions may result in poor performance, vehicle damage, personal injury or death.

If you have any questions, contact your Genuine Stromberg dealer or email us at tech@stromberg-97.com

1. Read this first

Have you got the right fuel line?

Check you have the correct fuel line before installation. Stromberg TwoStep fuel lines are designed to fit Stromberg 97 (and BIG 97), 81 and 48 carburetors on specific intake manifolds. Carburetor spacing differs between intake makes and models.

Use 9564K-BIG Stromberg S-jets

Stromberg Big Bore fuel lines must only be used with Stromberg 9564K-BIG S-jet inlet valves. Fitted as standard on Stromberg BIG 97s, they are specially designed to take 5/16in OD stainless steel line. The 9564K S-jet, (standard on regular Stromberg 97) is designed for 1/4in fuel line and must not be used with 5/16in line.

2. Tools required for installation

- > 11/16in open-end wrench
- > 1/2in AF flare nut wrench

3. TwoStep installation

Step 1. Preparation

- For maximum versatility, your new fuel line's 3-into-1 fuel block has 1/4NPT threads at both ends, with a wide range of compatible 1/4NPT fittings available from your Genuine Stromberg dealer. To avoid damage, install your fittings BEFORE mounting the fuel line onto the carburetors.

Always hold the fuel block with an 11/16in open-end wrench (**See Picture 2**) to avoid twisting the fuel line when installing fittings. DO NOT overtighten the fittings.

Available from Stromberg:

9081K-BIG	Ford Nut for 5/16 line x 3
9178K	1/4NPT 90deg elbow
9179K	1/4NPT to 1/8NPT bush
9180K	1/4NPT hard line adapter
9181K	1/4NPT hex head plug
9182K	1/4NPT hose fitting

Caution! Teflon tape is best avoided on NPT (National Pipe Thread) fuel fittings as it can migrate into the fuel system and settle in the S-jet inlet valve, which may cause a fire resulting in property damage, serious personal injury or death.

b) Before mounting the fuel line, install the carburetors (and gaskets), on the intake manifold with the fasteners in place, but not fully tightened. This makes installation a little easier.

c) Slide one of the supplied Ford Nut style compression fittings, followed by a brass ferrule, onto each of the 5/16in fuel line ends. (**See Picture 3**)

Step 2. Installation

a) Offer the fuel line into the carburetor S-jet inlet valves. Manufacturing tolerances can cause a small misalignment, so you may have to adjust the carburetors on the studs or, in some cases, gently guide the fuel line ends into place. You should not need to bend the fuel line! Ensure that the fuel line ends are centred in the S-jets with the brass ferrules free to move on the line. Then tighten the compression fittings just a couple of threads each at this point.

WARNING!

Never use teflon tape or thread sealant on fuel line compression fittings. It may cause fuel leaks which may cause a fire resulting in property damage, serious personal injury or death.

b) Check from above that the fuel line and carburetors are in good visual alignment. (**See Picture 4**) Now fix the carburetors firmly to the intake manifold, torqued as per the manufacturer's specification. Then tighten all of the fuel line fittings into the carburetors (using a 1/2in flare nut wrench) to compress the ferrules, forming a good fuel-tight seal.

CAUTION! When tightening the fuel line compression fittings, hold the carburetor S-jet fuel inlet with an 11/16in open-end wrench. (**See Picture 5**) This fitting must not be allowed to turn in the carburetor. DO NOT overtighten the fittings.

c) Watch closely for signs of flooding when the fuel pump is first turned on or when the engine is first started. If flooding is apparent, stop the engine immediately. Check and tighten the fuel fittings. Clean up any raw fuel.

WARNING!

Check the fuel line does not interfere with the throttle linkage. Any sticking, binding, or 'over-center' movement in the linkage could result in uncontrolled engine speed, property damage, serious personal injury or death.

4. Maintenance

a) After an initial running period, and at regular intervals afterwards, check and retighten all fuel fittings as required. The presence of liquid fuel or vapor smell always demands further checks.

For further information or assistance, please contact your Genuine Stromberg dealer or email us direct at tech@stromberg-97.com

You'll find more information at the Stromberg Tech Center.

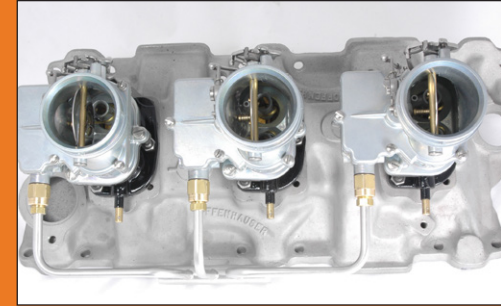
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Picture 2



Picture 3



Picture 4



Picture 5