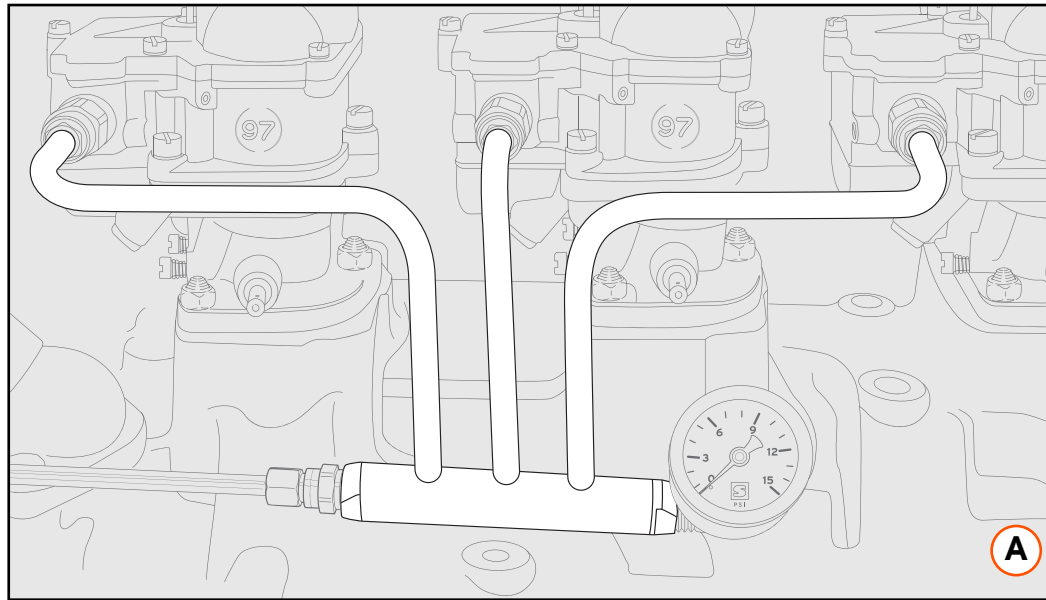


TWOSTEP FUEL LINE INSTALLATION GUIDE



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!

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 BIG97), 81 and 48 carburetors are designed for between 2.0 and 2.5 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. Always check the manufacturer's specification.

WARNING!

Never use teflon tape or thread sealant on fuel line compression fittings. It can migrate into the carburetor and can cause fuel leaks which may cause a fire 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.

READ THIS FIRST

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.

Check your application

The following instructions apply to Stromberg fuel lines 9141-RP and 9146-BIG (and their polished counterparts). Before you attempt installation, please check that this fuel line fits your intake manifold and carburetors.

9141-RP (see B) fits Stromberg 97, 81 and 48 carburetors (and some other 2-bbl carburetors) on intakes with 4-3/4in carb spacing. These include Offenhauser 1090 & 1075 2x2 Regular intakes, Edelbrock 1103 2x2 Slingshot intakes, Navarro 2x2 Regular intakes and Eddie Meyer and Thickstun PM-7 2x2 High-rise intakes. 9141-RP can be used with BIG97 carburetors as long as the BIG97 S-jet inlet valves are swapped for regular 97 (9564K) S-jets.

The Big Bore (5/16in) 9146-BIG fuel line (see A) fits Stromberg BIG97 carburetors on intakes with 5-1/2in carb spacing. These include Offenhauser 3558 and Edelbrock 5414 and 5418 (C357-B) small block Chevy 3x2 intakes. This fuel line is designed for use with Stromberg 9564K-BIG S-jet inlet valves. Standard on all Stromberg BIG97s, they are uniquely designed to take 5/16in OD fuel line. To use this line on regular Stromberg 97s, you must install 9564K-BIG S-jets. Regular Stromberg 97, 81 and 48 models are designed for 1/4in OD fuel line only.

Use Stromberg S-jets

Unlike some aftermarket needle & seat inlet fittings, genuine Stromberg S-jets ensure that the fuel line fits the same depth into each carburetor, which is vital for good fuel line alignment and a perfect, leak-free seal. All new genuine Stromberg carburetors (97 and BIG97) are S-jet equipped.

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

If you need further information or assistance, please contact your Stromberg dealer, or e-mail us direct at:

tech@stromberg-97.com

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



TWOSTEP INSTALLATION

Step 1 - Preparation

A) The Stromberg 9141-RP fuel line (see B) accepts a Stromberg 9080K Superseat fuel hose fitting (see D) or a stock flathead firewall-to-fuel-pump flexible hose (Ford part 9288). You may find it easier to attach these before installing the line onto the carburetors. Tighten up the special RP 'fuel in' fitting first to compress the ferrule and secure it onto the end of the fuel line, then install the hose end. In both cases, always hold the end fitting with an 11/16in open-end wrench when tightening to avoid twisting the fuel line.

B) The Stromberg Big Bore 9146-BIG fuel line (see A) must only be used with Stromberg 9564K-BIG S-jet inlet valves. Standard on Stromberg BIG97s, and available separately for 97, 81 and 48 models, they are specially designed to take 5/16in OD tube. The regular 9564K S-jet (standard for Stromberg 97, 81 and 48) is designed for smaller 1/4in OD line and must not be used with the 9146-BIG fuel line.

C) For maximum versatility, the Stromberg 9146-BIG 3-into-1 fuel block has 1/4NPT threads at both ends, with a wide range of compatible 1/4NPT fittings available (in plain brass and chrome) from your Stromberg dealer. (see list far right) 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 F) to avoid twisting the fuel line when installing fittings. DO NOT overtighten the fittings.

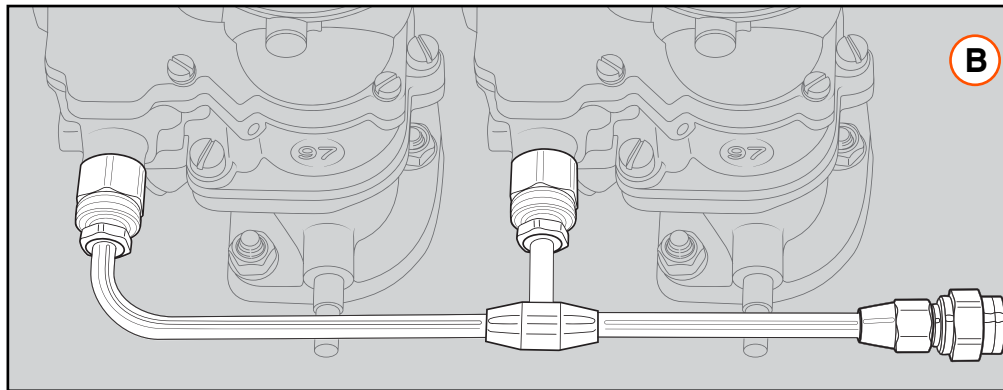
WARNING!

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.

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

Step 2 - Installation

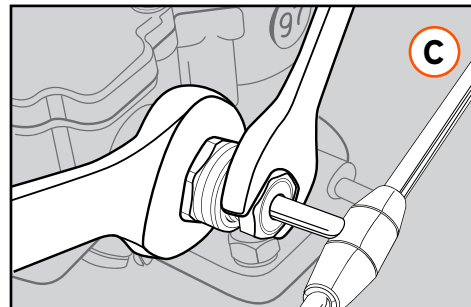
A) Slide one of the supplied compression fittings, followed by a brass ferrule, onto each of the fuel line ends. (see E) Then offer the fuel line into the Stromberg S-jet or needle & seat inlet valves. Manufacturing tolerances can add up to a small misalignment, so you may have to adjust the carburetors 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 lines are centred and fully seated into the S-jets with the brass ferrules free to move on the line. Then tighten the compression fittings into the S-jets just a couple of threads each.

B) When the fuel line is mounted, with the carburetors flat on their mounts, check from above that the fuel line and carburetors are in good visual alignment. Now fix the carburetors firmly to the intake manifold. Then tighten all of the fuel line fittings (using a 1/2in flare nut wrench) to compress the ferrules, forming a good fuel-tight seal. When tightening the compression fittings, hold the carburetor S-jet with an 11/16in open-end wrench. (see C) This fitting must not be allowed to turn in the carburetor. DO NOT overtighten the fittings.

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



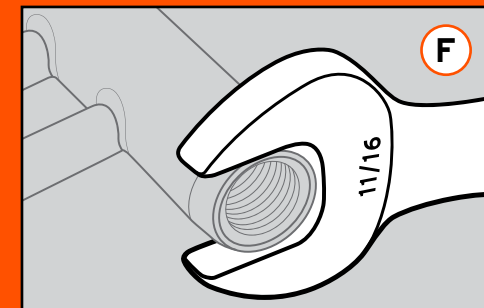
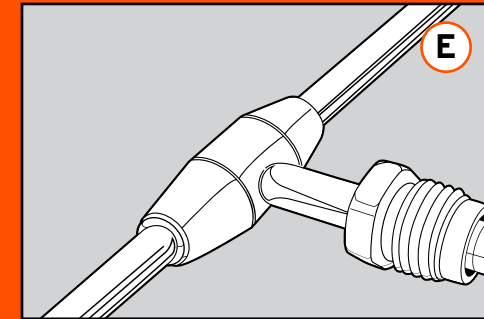
WARNING!

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.

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



Available from Stromberg Speed Parts

9081K-BIG	Ford Nut for 5/16in line x 3
9564K-BIG	S-Jet for 5/16in OD line
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