

# MASTER FUEL LINE REPAIR & REPLACEMENT ASSORTMENTS

INSTALLS ALL CONNECTORS INCLUDING LARGER EVAP LINES

PART NUMBER

**0454M**

**90  
PCS**



0454M - 2 Boxes




**FOR USE ON THE  
CAR OR BENCH!!**




**3 times faster than any  
competitors imitation**

This **90** piece assortment contains everything from installation gun and accessories to a full range of OE quality quick connectors and brass attaching hardware 5/16" (M8), 3/8", M10, 5/8" & 1/2" (Fuel, Vent & Evap) in straight 45° and 90° elbows. Also included is our 360° seal compression unions, brass joiner barbs, 360° seal clamps, steel repair lines and 50ft of nylon fuel line tubing.



**3X** faster than any  
competition imitation  
on car OE Press fit connector installation  
Don't be fooled by cheap knockoffs





# The Fuel Line Repair Experts

Make Fuel Line Repairs Quick and Profitable



## REPAIRING A 45° OR 90° ELBOW QUICK CONNECTOR

	<b>Step 1:</b> Remove Damaged Quick Connector by cutting the nylon fuel line at the damaged connector, or section of damaged fuel line. <i>(A Straight cut will ensure an easier repair)</i>
	<b>Step 2:</b> Thread on Holder Pin (3910)
	<b>Step 3:</b> Press quick connector on to pin
	<b>Step 4:</b> Thread nylon fuel line through appropriate size hole and tighten until secure. Do not over tighten <i>(Use quick connector as a gauge)</i>
	<b>Step 5:</b> Align the new quick connector and fuel line and press together until the nylon fuel line reaches the last barb on the quick connector. <i>(A small amount of lubricant will help with the installation)</i>

## REPAIRING A 45° OR 90° ELBOW QUICK CONNECTOR

	<b>Step 1:</b> Remove Damaged Quick Connector by cutting the nylon fuel line at the damaged connector, or section of damaged fuel line. <i>(A Straight cut will ensure an easier repair)</i>
	<b>Step 2:</b> Thread on Holder Pin (3910)
	<b>Step 3:</b> Place new quick connector into appropriate holder. Insert ball of connector into open slot and tighten wing nut to secure.
	<b>Step 4:</b> Thread nylon fuel line through appropriate size hole in the tube holder 3921 and tighten until secure. Do not over tighten <i>(Use the quick connector as a gauge for protruding fuel line)</i>
	<b>Step 5:</b> Align the new quick connector and fuel line and press together until the nylon fuel line reaches the last barb on the quick connector. <i>(A small amount of lubricant will help with the installation)</i>

INSTALLATION OF A 90° ELBOW QUICK CONNECTOR FOLLOWS THE SAME STEPS USING, BLACK 90° ELBOW CONNECTOR HOLDER. (3920)

INSTRUCTIONS

# The Fuel Line Repair Experts

## REPAIRING STEEL TO NYLON ADAPTERS OR SPLICES

	<b>Step 1:</b> Attach appropriate size holder pin to press tool
	<b>Step 2:</b> Attach one tube holder to the vehicles existing fuel line, and attach the second tube holder to the fuel line that it will be joining
	<b>Step 3:</b> Place brass barb onto the holder pin and place the fuel line from the vehicle and press until it reaches the center of the barb.
	<b>Step 4:</b> Install loose 360° seal clamps onto tubing in preparation for closing when repair is complete.  You will need 1-3901 press tool, 2-3921 nylon tube holders and 1 of the 3907 or 3908 holder pins. Clamp first 3921 tube holder on to vehicles fuel line, place the other 3921 on the second section of fuel line making sure that the small pilot holes in the corners are facing away from the brass barb. Press the tube holders together by the holder pin in one of the pilot holes.
	<b>Step 5:</b> Using CV Boot joint pliers or our 360° clamp pincers(part # 5414), close the seal clamps for a leak free join.

### ALSO REPAIRS

FUEL LINE REPLACEMENT FOR VEHICLES USING QUICK CONNECTORS  
FUEL LINE REPAIRS WITH THREADED ADAPTERS



## 360° SEAL COMPRESSION UNIONS

FMSI's 360° seal compression unions can easily join steel, copper, aluminum and nylon tubing, or any combination of these materials.

These leak free compression unions are available in straight, 90° elbows and in reducing styles. in sizes 3/16", 1/4", 5/16", 3/8", 8mm and 10mm.

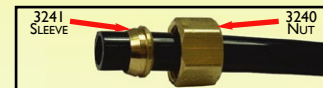
### FUEL, TRANSMISSION, & OIL COOLER LINE REPAIR WITH 360° SEAL COMPRESSION UNIONS

THE TUBING MUST BE COMPLETELY INSERTED THROUGH THE TUBE NUT AND CAPTURED SLEEVE, THIS WILL ENSURE THE LINE IS SEALED PROPERLY. (IF THIS IS NOT DONE THE REPAIR WILL NOT HOLD PRESSURE AND WILL LEAK.)

**WARNING:** You should not attempt to seal any lines with heavy rust or damage



WITH A 10MM APPLICATION YOU WILL NEED TO USE A SEPARATE NUT (3240) AND SLEEVE (3241) AS SHOWN BELOW.



### 360° SEAL COMPRESSION UNION TORQUE PROCEDURES

FINGER TIGHTEN COMPRESSION NUT UNTIL SNUG.  
USING WRENCHES ON THE BODY AND NUT SECURE ACCORDING TO CHART BELOW

TUBING TYPE	NUMBER OF TURNS AFTER FINGER TIGHTEN	STRAIGHT UNIONS	90° ELBOW UNIONS	REDUCER UNIONS
Steel Copper Aluminum	1 1/2 Turns	2855 - 1/4" 2846 - 5/16"	2845 - 1/4" 2846 - 5/16"	2840 - 5/16" to 1/4" 2841 - 3/8" to 5/16"
Nylon	3/4 Turn	2847 - 3/8" 2859 - 10mm	2847 - 3/8" 2849 - 10mm	2842 - 10mm to 3/8" 2848 - 10mm 3/8" 90°

MASTER FUEL LINE REPAIR & REPLACEMENT ASSORTMENTS

2