



Providing Crossfire Performance Advantages - 82, 83 & 84 CFI

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INSTALLATION GUIDE FOR CROSSFIRE FUEL PRESSURE ASSEMBLY 1982 & 1984

CAUTION: Please read this ENTIRE document before attempting the removal and installation instructions of the fuel pressure assembly.

CAUTION: Do not attempt to install this assembly when the engine is hot, running or battery connected, doing so may cause serious injuries or fire.

TOOLS and OTHER ITEMS:

1. 5/8" and 11/16" Fitting or flare nut wrenches. Do not use open-end wrenches on throttle body or blue AN nut fittings, doing this on these connections will cause rounding of the fittings edges and may lead to improper sealing.
2. A 9/16" open-end wrench for fuel pressure gauge.
3. Shop towels.
4. Teflon plumbers tape, if needed.

REMOVAL:

5. Disconnect battery.
6. Remove air cleaner assembly.
7. Carefully, crack open either side throttle body fuel line fitting that connects the two throttle bodies together to relieve any pressure that may still be present in the line using fitting wrenches.
8. After pressure is relieved, disconnect both throttle body fittings and remove stock fuel line.

INSTALLATION:

9. Inspect new fuel pressure assembly before installation for any obvious defects. If any defects are found, DO NOT install the fuel-line assembly. Contact us immediately.
10. Align and loosely tighten the fuel-line assembly into the two throttle body base fuel connections and the two AN nuts onto the fuel block assembly.

NOTE: DO NOT cross thread the throttle body fittings while installing or damage will result to the throttle body or fuel line fitting or both. DO NOT use Teflon tape on the blue AN or throttle body fittings. These are flare fittings and will seal without the use of tape when secured properly. Tape must only be applied to the fuel pressure gauge NPT threads. A general rule of thumb is to wrap the threads three complete turns for a proper seal. Do not block gauge opening with tape.

NOTE: For 1984 crossfire assembly, it may become necessary to readjust the clamps on the radiator hose if in the way during installation. For 1982/84 crossfire cars, due to anomalies from engine to engine stock setups, it may be necessary to make slight adjustments to the fuel tubing to achieve a proper fit. We made every effort to make this assembly plug-and-play, but there will always be some adjustments that must be done to obtain a proper fit.

11. Secure the fuel-line assembly finger tight to the throttle bodies, but DO NOT fully tighten.
12. Make any alignment changes as necessary to ensure that the fuel-line assembly is not obstructing any moving parts, cables or wires and the 37* fittings are squarely on the fuel block assembly or leaks will occur.
13. Apply Teflon tape to the threads of the fuel pressure gauge if needed and position the fuel pressure gauge to the desired viewing position as if the air cleaner is reinstalled, a test fit may be necessary.
14. Using fitting/flare wrenches, tighten all the fuel fittings securely. Using an open-end wrench, tighten the fuel pressure gauge into the fuel pressure adapter. Do not over tighten fittings or gauge or damage may result. The throttle body fittings must be securely tightened. Refer to the GM manual if needed.
15. After all throttle body fuel fittings are secure, connect the battery.
16. Turn the ignition key to the ON position only to pressurize the fuel system.
17. Check all the fittings and gauge for any leaks. Repair any leaks as needed and retest until no leaks are evident.
18. Start the motor and adjust the fuel pressure regulator on the driver's side throttle body to 12-15psi or as desired at your own risk. Check again since with the motor running and under a higher pressure to ensure there are no fuel leaks.

NOTE: It is suggested to set the fuel pressure to a minimum of 12psi for the throttle bodies to supply enough fuel for the motor to run properly. This setting and higher may or may not be possible without replacing the stock fuel pump with a 1985 corvette pump. GM shop manual says that 9-12psi is adequate for the crossfire. However, a stock crossfire in reality needs a "minimum" of 12psi and the stock pump usually won't put out enough pressure to achieve 12psi consistently. Anything less than 12psi will lean the motor out on high end and may cause the car to stumble on the low end.

NOTE: By setting the fuel pressure to 14psi on a stock crossfire will increase the injector flow rate to approximately 70p/hr and will supply enough fuel to support approximately 298HP.

19. Before installing the air cleaner box assembly, make one last check that ALL fuel line connections are secure and there are NO fuel leaks.
20. Install air cleaner box assembly.

NOTE: To keep your FP tubes looking great, clean them with some polish like Wenol, blue tube.

LIABILITY DISCLAIMER: Dynamic Crossfire Solutions (DCS) will not accept or be responsible for any damage which may result in improper installation of this assembly. Further more; the installer/owner accepts full responsibility for the condition, installation and use of the assembly. By installing the assembly, the installer/owner agrees to this disclaimer after the sale and releases DCS of any and all liabilities.

THANK YOU FOR YOUR BUSINESS