

Design Engineering, Inc.

604 Moore Road
Avon Lake, OH 44012



Installation Instructions

CryO² Fuel Bar™

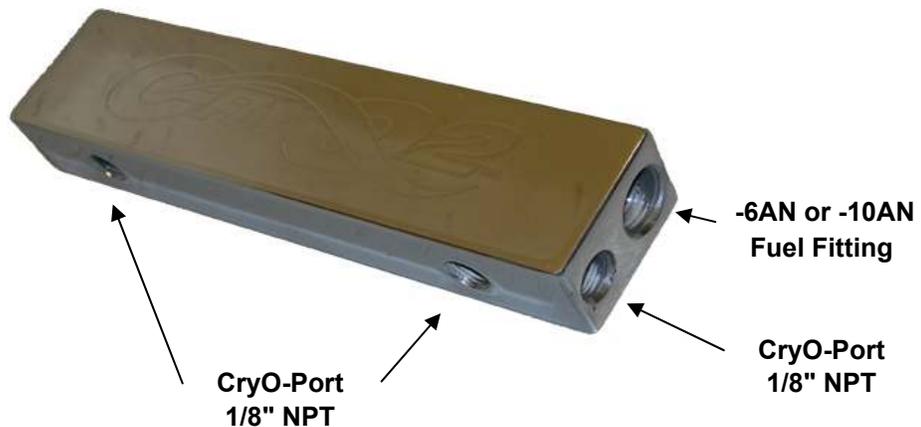
PART NO. 080120 - 080124

KIT CHECKLIST	
1	Cryogenic Fuel Bar
1	Vent Connection Hose
1	Vent Plug
1	1/8" to 1/8" NPT Male Fitting
2	Cap Plugs

NOTE
AFTERMARKET FUEL RAIL REQUIRED! Aluminum crush washers and Teflon paste is also recommended when connecting fittings to provide dry fuel seal and prevent any additional venting.

DIRECTIONS

- 1 - Installation of CryO² system and tank required before starting this installation.
Install Fuel Bar with zero fuel pressure, engine cold, and DO NOT install near or around fire
- 2 - Disconnect existing fuel line from fuel rail. Be sure to drain any excess fuel that may be in the fuel lines.
- 3 - Connect fuel fittings to CryO² Fuel Bar and tighten slightly, making sure not to crack or damage fuel bar or fittings.
- 4 - Attach current fuel line before and after the Fuel Bar and make sure lines are secure.
- 5 - Prime the fuel system and check for fuel leaks prior to starting vehicle.
- 6 - Connect the 1/8" to 1/8" NPT Fitting to the OUT port of the solenoid.
- 7 - Connect the solenoid fitting to the fuel bar to one of the four CryO-Ports. Teflon is recommended on NPT fittings.



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12 - Prime the Fuel Bar making sure there are no leaks around the fittings. The Bar should ice-over within 10 seconds.

8 - If connecting Fuel Bar to another CryO² component, install 1/8" NPT male end of vent hose to the most logical CryO-Port. Cap remaining CryO-Ports with Plugs.

DO NOT USE VENT PLUG WITH HOLE!

a. If Fuel Bar is last CryO² component you may use the vent plug directly in one of the CryO-Ports or use the vent hose to direct the vent out of the engine compartment. Be sure not have the CO₂ vent towards the air filter of the motor.

USE THE VENT PLUG WITH HOLE!

b. You can also place the vent plug directly into one of the four CryO-Ports or use the vent connection hose with the vent plug end.

9 - If using vent hose, attach a 1/8" NPT to -4AN nipple to CryO-Port. Attach -AN end of hose to -4AN side of nipple. Insert vent plug into 1/8" NPT to 1/8" NPT connector then attach connector to vent hose male end.

WARNING! Keep all released or vented CO² away from intake. If CO² is drawn in to the motor vehicle may stall due to O² deprivation.