

Design Engineering, Inc.

604 Moore Road
Avon Lake, OH 44012



Installation Instructions

CryO² Air Intake™

PART NO. 080110 (3" OD) - 080111 (2.5" OD)

KIT CHECKLIST	
1	Cryogenic Air Intake Segment
1	Vent Connection Hose
1	Vent Cap
1	1/8" NPT 4AN Male Fitting
2	Hose Clamps

NOTE
An additional silicone sleeve may be needed present from aftermarket intake. Teflon paste recommended when connecting fittings to pre additional venting.

DIRECTIONS

- 1 - Installation of CryO² system and tank required before starting this installation.
- 2 - Locate a straight segment of existing air intake tube as it may need to be replaced by CryO² Intake Segment if there is not enough clearance in the compartment.
- 3 - Cut and remove a 4" piece of the existing intake tube or affix the CryO² Intake segment to the air tube.

Be carefull not to interfere with sensors & mass air flow meters!

- 4 - Attach a silicone sleeve to the CryO² Intake segment and fasten with a hose clamp.
- 5 - Insert CryO² Intake segment on air tube. Be sure the pointed portion of the bulb face throttle body and round side is against the air flow.
- 6 - Tighten the hose clamps on silicone sleeve. Use the original silicone sleeve from your aftermarket intake and secure back onto throttle body / manifold.

Stock intakes and intercooler pipes may require an additional silicone sleeve

- 7 - Attach the 1/8" NPT OUT port of the solenoid to one of the 1/8" fitting on the CryO² Intake segment. Teflon recommended to minimize venting.

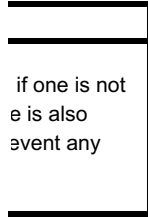
WARNING! Keep all released or vented CO² away from intake. If CO² is drawn into a motor vehicle may stall due to O² deprivation.

- 8 - If connecting to another CryO² component, attach 1/8" NPT female to -4AN male fitting or 1/8" NPT male fitting on the CryO² Intake segment. Teflon recommended.
- 9 - Attach vent connection hose to -4AN male fitting. Attach the 1/8" NPT fitting to the other end of the vent connection hose or connect vent cap (Securing the lines with zip ties recommended).
- 10 - Attach solenoid wiring as described in Tank Installation Owner manual.
- 11 - Test the system making sure there are no leaks around the fittings. The bulb should vent within 10 seconds.

FYI A maximum of 15-20 seconds of activation will reach peak temperature of - 80°F. A longer results in CO² venting and loss. Depending on usage, charge the system every 15-20 minutes, prior to race or while racing for best performance gains.

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