

Design Engineering, Inc.

604 Moore Road
Avon Lake, OH 44012



Installation Instructions

Cryo²™ Intercooler Water Sprayer

PART NO. 080140

KIT CHECKLIST				
1	Water Reservoir with Lid		1	Hose "T"
1	Wiring Harness		2	Nozzle Tubes
1	2' Power Lead Wire		2	Nozzle Holding Clips
2	Washers		1	Large Push Button
2	Short Sheet Metal Screws		1	5.5' of 1/8" Hose
2	Long Sheet Metal Screws		1	6" of 3/16" Hose
2	Wire Taps		1	EGR Check Valve

NOTE

It is recommended that a qualified mechanic install this unit. A razor will be required along with a set of pliers and a hand drill with 5/32" and 5/8" drill bits.

DIRECTIONS

- 1 - Install the reservoir by locating a suitable position where the tank will remain level.
- 2 - Drill two holes with a 5/32" drill bit into the metal, using the reservoirs mounting holes as a template.
- 3 - Mount the reservoir with the long sheet metal screws with the black ground wire terminal harness secured by one of the screws.
- 4 - Plug Harness connector into the reservoirs pump socket.
- 5 - Install the switch by locating a convenient position on your dash by drilling a 5/8" hole free from interference.
- 6 - Mount the switch from the back side securing with the provided hex nuts.
- 7 - Attach the red power lead wire to either side of the switch, then attach the red power harness wire on the other switch connector.
- 8 - Connect to power selecting a 12 volt power source and place wire in one side of the wire tap.
- 9 - Place red power lead wire from switch in other side of wire tap (Do Not Strip Wire).
- 10 - Crimp down on metal prong with pliers, so both wires are pierced. Close plastic cover.
- 11 - Intall nozzle tubes and jets by determining the best location. Drill a hole if needed to mount each nozzle tube.
- 12 - Bend the tubes so that they face the intercooler when activated.
- 13 - Using the nozzle tube clamps as a template, drill a 5/32" hole(s) to secure the clamps, then attach them with short sheet metal screws.
- 14 - Adjust nozzle tips with pliers so the water stream makes contact with the intercooler.

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- 15 - Attach ends of the 1/8" hose to each Nozzle tube and jet.
- 16 - Cut the 1/8" hose near center and insert each end into the 1/8" side of the Hose "T".
- 17 - Cut a 4" section off from the 3/8" hose and attach it to the long stem of the EGR Check valve. Then connect the valve and hose to the "T" fitting.
- 18 - Install the remaining 3/8" hose to the other end of the EGR Check Valve. The other end of the hose should be connected to the pump connector at the bottom of the reservoir.
- 19 - Fill the reservoir tank (DO NOT FREEZE) and test to make sure the water is jetted out from the nozzles correctly making adjustments if necessary so that spray hits desired location of the intercooler.

