



INSTALLATION INSTRUCTIONS

Thank you for purchasing genuine Design Engineering, Inc. products. Be sure to always wear the proper safety equipment when installing any DEI product. Design Engineering Inc. WILL NOT BE HELD LIABLE FOR IMPROPER INSTALLATION OR USE OF THIS PRODUCT. Please follow all instructions provided. If you are unsure of any installation procedure, please contact a certified technician.

DESCRIPTION: 080140 CryO2 Water Sprayer Kit

KIT CONTENTS:

1 - Water reservoir	1 - Hose coupler
1 - 2' lead wires	2 - Hose hangers
4 - Wire taps	2 - Nozzles
2 - Washers - split	2 - Nozzle brackets
2 - Washers - flat	1 - 5.5' of 1/8" nozzle hose
6 - Sheet metal screws	1 - Push button red
2 - Machine screws	1 - Push button bracket
1 - Hose T	1 - Check valve

TOOLS NEEDED:

Razor / Cutting blade
Pliers
1/4" & 1/8" drill bits

SAFETY:

Safety glasses
Gloves

NOTE OF CAUTION: 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 1/4" and 1/8" drill bits.

1. Install the reservoir by locating a suitable position where the tank will remain level.
2. Drill two holes with a 1/4" drill bit into the metal, using the reservoir bracket mounting holes as a template.
3. Mount the reservoir utilizing the machine screws and nuts with the blue ground wire terminal harness secured by one of the screws.
4. Plug Harness connector into the reservoirs pump socket.
5. Identify an appropriate location for the switch bracket. Drill two 1/8" holes using the bracket as a template and mount the bracket.
6. Install the switch from the front 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 to the other switch terminal.
8. Connect to power selecting a switched 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. Identify an appropriate location for the nozzles. Install nozzles into the large holes on bracket. Mount brackets utilizing self-tapping sheet metal screws. Bend brackets accordingly.

12. Adjust nozzle orifices so that they face the intercooler.
13. Measure between each nozzle and cut a length of hose 1-2" longer than measurement.
14. Attach ends of the 1/8" hose to each nozzle.
15. Cut the 1/8" hose near center and insert into opposite ends of the Hose "T".
16. Cut a 4" section off from the unused hose and attach it to the Check valve. Then connect the valve and hose to the "T" fitting. (See illustration.)
17. Install the remaining 1/8" hose to the other end of the Check Valve. The other end of the hose should be connected to the pump connector at the bottom of the reservoir.
18. Hang the hose where necessary.
19. Fill the reservoir tank (DO NOT FREEZE) and test to make sure the water is jetted out from the nozzles correctly. Make adjustments if necessary so that spray hits desired location of the intercooler.

