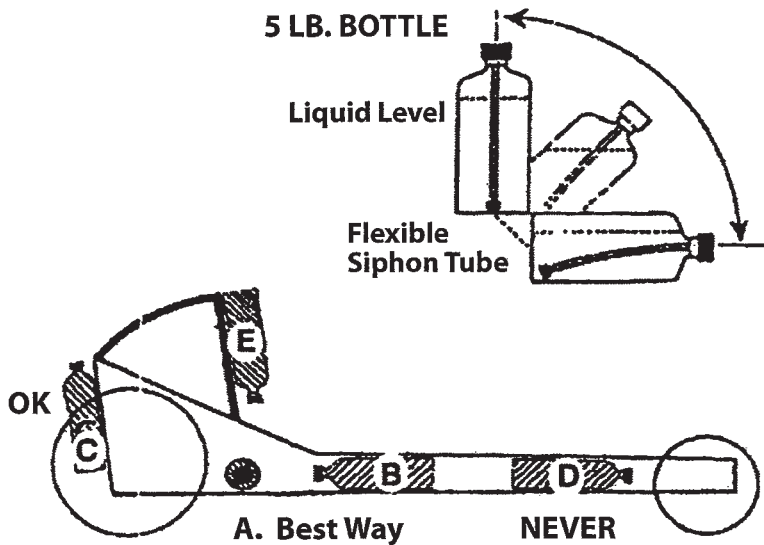




## FIRE SUPPRESSION SYSTEMS INSTALLATION INSTRUCTIONS

The Stroud On-board Fire Suppression system is furnished complete with all hardware necessary to install a three-nozzle system. The only special equipment required for installation is a flaring tool.



### IMPORTANT!

Siphon Tube must be in liquid for system to function!

### WARNING!

All tubing connections must be flared using standard 1/4" tube flaring tools. System is unsafe if tubing is not flared!

### BOTTLE MOUNTING INSTRUCTION:

- A. Best position for all types of vehicles.
- B. Best alternative to position "A".
- C. Satisfactory as long as vehicle remains **UPRIGHT**.
- D. **NEVER!** System will not function under extreme braking conditions.
- E. **NEVER!** System will not function if valve is inverted.

### REMOTE CABLE MOUNTING INSTRUCTIONS:

- A. Remote cables must be installed in a manner so that they are protected from damage due to mechanical failure of other vehicle components or a collision.
- B. Be sure no bend radius is less than six inches.
- C. **CAUTION:** Protect cable from crimping or kinking.
- D. Be sure to use a **SOLID** mounting bracket for the handle, since a **FIRM** pull is required to actuate the system.

### MULTIPLE BOTTLE SYSTEMS:

When using more than one bottle, each bottle must have its own distribution tubing and nozzles.  
**WARNING:** It is **UNSAFE** to connect more than one bottle to a common system of distribution tubing.

### GENERAL:

When installing the valve on the bottle, be sure the valve body seats firmly against the hex-flangs on the adaptor.  
**CAUTION:** Do not overtighten! When removing the valve from the bottle for weight check, be sure to stop the adaptor with a wrench. When re-installing the valve on the bottle, be sure the threads are lightly lubed to prevent galling.

## MAINTENANCE:

- A. Distribution tubing should be checked frequently to assure it is clear and not obstructed with dirt or other foreign material.
- B: **IMPORTANT:** The pressure gauge **DOES NOT** indicate the amount of agent in the bottle. The only way to determine the amount of agent in the bottle is to weight the bottle (less valve) and compare that weight with the "FULL WEIGHT" shown on label.
- C. The pressure in the bottle will vary depending upon the temperature. As an example, the pressure will be 124 PSI at 40° F: 199 PSI at 70° F: 300 PSI at 100° F, etc. It is very important that the bottle not be exposed to direct sunlight or ambient temperatures above 130° F for any extended periods of time.

## DRAG RACING APPLICATIONS:

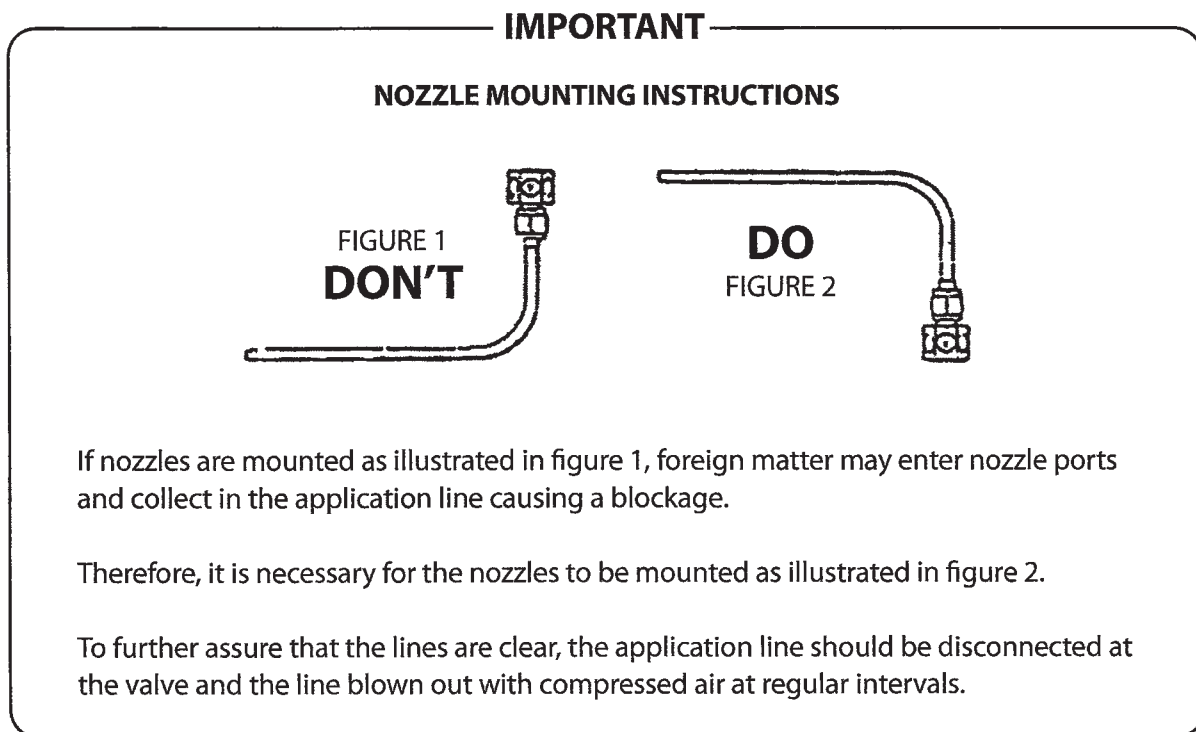
We suggest the six-port nozzle be placed in the driver's compartment low and to the front. The three-port nozzles should be placed in front of the engine, one on each side in close proximity to the headers. Try to run all distribution tubing and remote cables in a manner so that they will be protected from flying parts resulting from an engine or transmission explosion.

## OVAL TRACK, SPORTS CAR APPLICATION:

Position the nozzles so the driver will be completely blanketed with the agent. However, try to keep the nozzles at least 18-inches from the driver in order to prevent the possibility of frostbite.

## OPERATION:

Arm system by removing safety pin. to actuate the system, pull handle **HARD!** The system will discharge continuously until the bottle is empty.



## PULL HEAD ASSEMBLY

To install pull head on bottle, first make sure both head and bottle are free from debris. Screw head onto bottle and tighten with wrench. **CAUTION:** Do not over tighten as it will strip threads. After head is tightened to bottle, place bottle in mount in the desired position where you can read label easily. Rotate TOP of head so that pull cable will go directly into head. Tighten set screw on SIDE of head. This will hold top of head in position. Insert cable into head. Cut cable to desired length, leaving extra cable protruding from end of housing. Insert cable housing into head and tighten set screw on TOP of head to hold housing in place. Leave 1" of wire extending past head. **DO NOT OVER TIGHTEN!** Doing this will jam cable when trying to pull. When ready to use, remove safety pin from head AND from cable handle. Reinsert safety pins after every use to prevent accidental activation of system.