

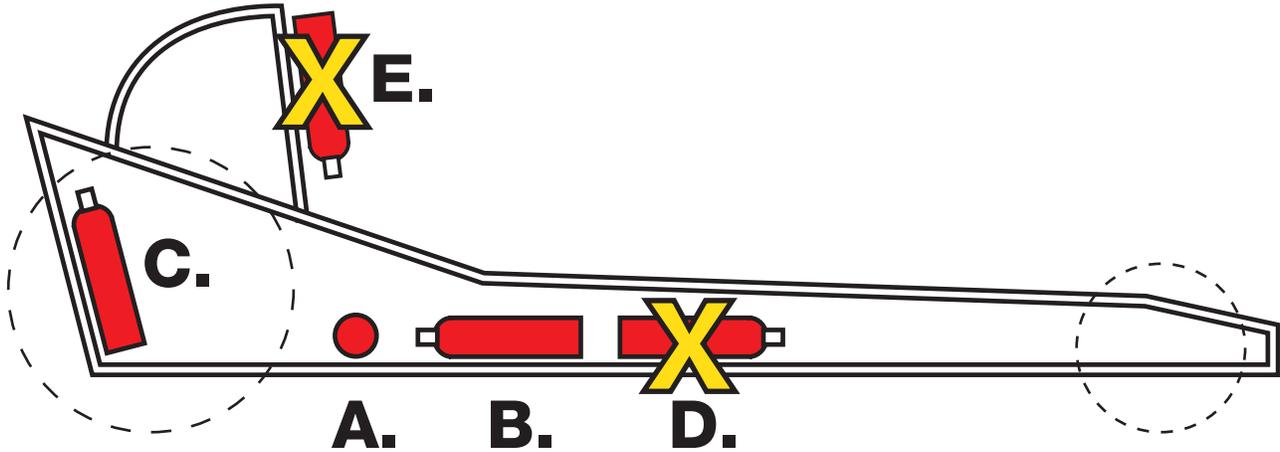


STROUDSAFETY.COM

STROUD SAFETY FIRE SUPPRESSION SYSTEM INSTALLATION INSTRUCTIONS

If you have any questions regarding you Fire Suppression System installation, call us at 405-632-2022

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



BOTTLE MOUNTING INSTRUCTIONS

- A.** Best position for all types of vehicles. Bottle mounted low in the chassis, parallel to the ground and perpendicular to the chassis axis.
- B.** Best alternative position to “A”. Bottle mounted parallel to the ground, inline with chassis axis and with pull-head pointing to rear of vehicle.
- C.** Bottle mounted vertically is satisfactory. HOWEVER, system may not function properly is vehicle is not upright.
- D. NEVER** mount bottle parallel to the ground with pull-head pointing to front of the vehicle! System will not function under extreme braking!
- E. NEVER** mount bottle vertically with pull-head pointing down! System will not funtion!



WARNING!

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 ends are not flared!



WARNING!

Each Bottle must connect to its own system of tubing and nozzles.

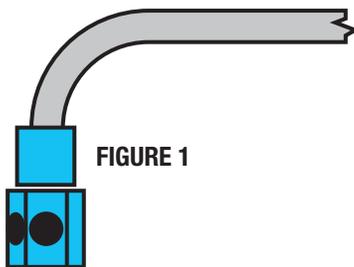


FIGURE 1

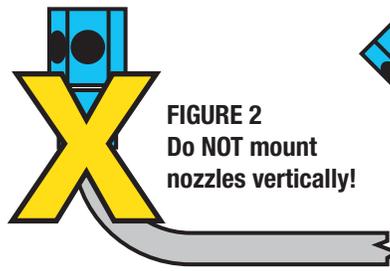


FIGURE 2
Do NOT mount
nozzles vertically!

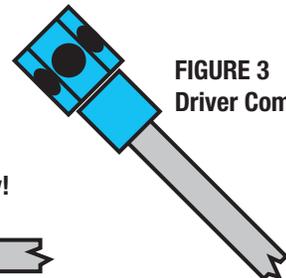


FIGURE 3
Driver Compartment

NOZZLE MOUNTING INSTRUCTIONS

1. Nozzles should be mounted inverted as shown in Figure 1 to prevent foreign matter or dirt from collecting in port openings that may cause line blockage. Do NOT mount nozzles vertically as shown in Figure 2!
2. Mount nozzles in driver compartment as indicated in Figure 3.
3. Check that nozzles are clear on a routine basis. To check, disconnect tubing at the Pull-Head and blow out the tubing with compressed air to ensure that nozzles are clear.

(instructions continued on back)

REMOTE CABLE AND TUBING MOUNTING INSTRUCTIONS

1. Remote Cables and System Tubing must be installed in a manner so that they are protected from damage resulting from mechanical or engine failure or structural damage in the event of a collision.
2. No Tubing Radius Bend can be less than 6 inches.
3. Protect Cable and Tubing from crimping or kinking.
4. Ensure that mounting bracket for Pull Handle is firmly mounted to solid surface, since a firm pull is required to activate the system.

MULTIPLE BOTTLE SYSTEMS

If using more than one Fire Bottle, each Bottle must connect to its own system of tubing and nozzles. It is unsafe to connect more than one Bottle to a common system of distribution tubing and nozzles.

PULL-HEAD ASSEMBLY - CAUTION!: When working on the Pull-Head assembly, always make sure the Safety Pin is in place.

1. Make sure threads on Pull-Head assembly and bottle are thoroughly clean.
2. Lightly lubricate the threads to prevent galling and be sure the valve body seats firmly against the hex-flange on the adaptor.
CAUTION, do not over tighten! When removing the Pull-Head from the Bottle for weight check, be sure to stop the adaptor with a wrench.
3. Place bottle in mount and position so label can be easily read.
4. Rotate top of the Pull-Head so that the pull cable will go directly into the head.
5. Tighten set screw on side of the head. This will hold top of head in position.
6. Insert cable into head. Cut cable to desired length leaving extra cable protruding from the end of the housing.
7. Insert cable housing into head and tighten set screw on top of head to hold cable housing in place. Do not OVER TIGHTEN so cable will not jam in the housing! Leave 1 inch of cable extending past head.

OPERATION

Arm the system by removing the safety pin from the Pull-Head assembly and cable handle. Activate the system by pulling HARD on the pull handle. The system will discharge continuously until the bottle is empty. Be sure to always reinstall the Pull-Head and cable handle safety pins when vehicle is not on the track to prevent accidental system activation.

MAINTENANCE

1. Distribution tubing should be checked frequently to ensure that the lines are clear and not obstructed with dirt or other foreign material.
2. IMPORTANT, the pressure gauge DOES NOT indicate the amount of agent in the bottle. To determine the amount of agent in the bottle, the bottle must be weighed without the Pull Head and compared to the "Full Weight" indicated on the bottle label.
3. The pressure in the bottle will vary depending upon the temperature. For 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 temperature above 130° F for any extended period of time.

DRAG RACING APPLICATION

Six-port nozzle should be placed low and to the front of the driver's compartment. The three-port nozzles should be placed in front of the engine with one on each side in close proximity to the headers. Limit the exposure of the tubing and remote cables to damage that may result from engine or transmission failure.

OVAL TRACK OR SPORTS CAR APPLICATION

Position nozzles so that driver will be completely blanketed with the agent. Make sure nozzles are no closer than 18 inches to the driver to prevent frostbite from concentrated release of agent.