



## Installation Instructions

(SS100R4 into GMC Motorhome engine compartment  
)



The GMC Motorhome was produced from 1973-78, incorporates a front wheel drive Oldsmobile V8 drive train. Because of it's unique construction, the 2 main reasons for this vehicle being totaled would be an accident or fire. . This classic vehicle has a strong enthusiast following and should have good protection from fire dangers. This instruction sheet will step you through installation of our 2 liter foam automatic deploy engine fire suppression system. Please read these instructions carefully and give us a call if you have any questions. Because of the nature of these custom vehicles, you may find deviating from these instructions may be necessary. Previous owner installed accessories may require component relocation.

**Step 1:** Be sure you have these components in our system (kit).

- ⌚ Charged cylinder
- ⌚ 4' braided stainless steel hose
- ⌚ Sprinkler head with cage
- ⌚ Fitting package with 2 straight and 2 90 deg. fittings

**Step 2:** Open your driver front hood and see if there are no obstructions on the right side of the radiator core support running up the side of the radiator. Early model coaches (1973-4-5 and some 76 models) may have the rear suspension air compressor and tank there. See if there is enough space to bolt the cylinder to this vertical C channel. If not, you may need to mount the cylinder on the left side of the core support under the passenger front hood or possibly on the horizontal front frame member just under the front grill.

Secure a 90 degree fitting into the output of the cylinder just above the ball valve, have this fitting point back toward the motor compartment. Be sure the fitting is tight in the valve assembly.

Secure the cylinder in place, you may find it necessary to fabricate a plate to secure to the location then bolt the cylinder to this plate.

**Step 3:** Secure the 4' braided stainless steel hose to the 90 degree fitting you had secured to the cylinder. USE 2 WRENCHES to tighten this flare fitting. These fittings must be secure and not leak, a leak in this system will destroy the usefulness of the fire suppression system. If you find your system has leaked down past the green scale on your pressure gauge, call us.

**Step 4:** Secure the sprinkler head to the other end of the hose, use the other 90 degree fitting on the sprinkler head for this. The head needs to be positioned with the cage down.

**Step 5:** Secure a 90 degree bracket (not included in kit) to the underside of the aluminum lip where the engine cover rests. Countersink the screws so the engine cover will still rest flat on the aluminum lip. Bolt your "L" bracket to the lip then secure the bracket on the sprinkler head to this L bracket. Locate the L bracket in a position to the back of the engine compartment (see pictures below for location)

**Step 6:** (Very important step in your installation) Double check your fittings, use 2 wrenches to check tightness of each fitting.

**Step 7:** Now you are ready to charge the system. Have someone watch the fittings on the sprinkler head as you open the valve. Any sign of a leak, you should immediately turn off the valve to possibly save having to recharge the cylinder.

You watch the fittings on the cylinder as you open the valve, turn it off immediately if you see any leak. Remove the bolt/nut on the bottom of the handle on the valve. This is a locking device to keep the valve closed or open as needed. Remove the bolt/nut, rotate the arm 90 degrees as you watch your fittings for leaks. The gauge should drop a small amount as the hose fills with pressure but stop as the hose is pressurized. Double check to be sure the gauge stops dropping and there are no leaks on either end of the hose. When you are satisfied there are no leaks, return the bolt/nut and secure the arm of the valve in the on position and lock it in place with the lock tab and bolt/nut. Secure the hose to the sprinkler head with tie wraps (not provided) to guard from vibration and damage.

You are done. Double check the cylinder and sprinkler head mounting and hose routing. Be sure there is no other component or part in the coach that may damage the system.

Periodically check your pressure on the cylinder gauge, there is a 1 year warranty from purchase and if your pressure decreases out of the green give us a call. After the 1 year warranty, the cylinder can be recharged for shipping to and from us and \$25. Keep our phone number (321-299-5707) and call us if there are any questions. Thank you for your purchase of Fire Fight Products equipment, we get our business from word of mouth so please show your friends how you have taken a proactive position about fire dangers in your coach and please pass along our web site and information on your systems and be sure to call if you have any questions.

**NOTES:**

## Installation Pics

Cylinder in place



Sprinkler head in place

