

USER GUIDE AND INSTALLATION MANUAL FLAME THROWER KIT



FLAME - single exhaust FLAME2 - dual exhaust

INTRODUCTION

AutoLoc's spark generator is designed to burn unburnt fuel from your vehicle's engine. When the system is activated the unit will disable the ignition system momentarily. During this time the unburnt fuel will travel down the exhaust system and meet up with the spark plugs near the end of the system creating a flame.

INSTALLATION

- 1 Determine desired location of the control module (must be dry).
- 2 Mount the control module. You can mount the control module in the cab and use built-in activation button or mount it in a discreet place and use the provided external activation button. *NOTE: To access the mounting screw holes you must open up the case by depressing the tab on the side with a screwdriver, remove the circuit board and screw holes will be assessable.*
- 3 Install the spark plug(s) 3 to 6 inches from the end of your exhaust tips. *NOTE: spark plugs, bolts and coil wires are not included and must be purchased separately.*
- 4 Follow the wiring diagram to the right and wire up the wires. *NOTE: To plug the wire harness into the control module you must open up the case by depressing the tab on the side with a screwdriver, feed the wires through the hole in the back of the case and plug them in.*
- 5 Test fire the system. Refer to section below for troubleshooting.

TROUBLESHOOTING

- 6 **PROBLEM:** I push the activation button and the spark plugs activate but there are no flames generated.
- A **DIAGNOSIS:** If you push the button and the spark plugs activate, then the system is fully operational. If you do not see a flame then your fuel mixture is too lean coming out of your exhaust. In order to solve this problem you will need to enrich your fuel mixture. Also make sure you do not have a catalytic converter installed on your exhaust system. It may not be legal to operate a vehicle without a catalytic converter in your area. Please check your state and local laws. *NOTE: On some fuel injection vehicles you will need to modify your fuel system to run richer. PLEASE DO NOT CALL US ABOUT HOW YOU CAN PERFORM THIS MODIFICATION. Our technicians do not offer support on modifications to your vehicle's fuel injection or carburetor fuel intake systems. Available tech support is restricted to the installation and/or troubleshooting of the components provided in the kits.*
- 6 **PROBLEM:** I push the activation button and the spark plugs do not activate. *NOTE: add a ground strap to the plug to insure it is properly grounded.*
- A **DIAGNOSIS:** Your wiring is incorrect. Check all connections and rewire the system. Also, make sure you have good connection on the spark plug wire.
- 6 **PROBLEM:** I ordered the deluxe dual exhaust system but I only want to hook it up to one exhaust, will the system still work?
- A **DIAGNOSIS:** YES, The deluxe system will work on both single and dual exhaust systems. If you hook the deluxe system to a single exhaust you will have one unused green wire. Cap this extra unused wire and secure it so that it can not create a short circuit.

WARNING: This product is designed for off road use only. **DO NOT** use this product on the streets. **DO NOT** use this product in an uncontrolled environment. **DO NOT** use this product on exhaust systems with a catalytic converter. **DO NOT** look at the spark plugs while activating the system. Incorrect installation of this product may result in engine damage. **DO NOT** activate this system if there are any flammable substances nearby or if there are any objects within 30 feet of your exhaust tips. **DO NOT** activate the system while driving or while vehicle is in motion.

Professional installation is strongly recommended.

