



General Instructions for FireGator[™] System Installation

Before you begin:

Wiring harnesses, hardware, and HALO are in the large flat box. Generators are in a separate box. When opening the HALO box **use caution not to damage any of the wires or other contents**. When inspecting the system for damage, pay close attention to the blue and green LHD (linear heat detection) wires on the HALO. Make sure the items cannot be stepped on and remain free from damage.

1. **Mount** the HALO on top of the engine with zip ties at a minimum of three points. Position the connections on the HALO closest to the firewall.
 - *The zip ties should be tight enough to prevent the halo from moving but should not crush the wires. The HALO can be fastened to hoses and existing wiring harnesses on the vehicle.*
 - *If it is necessary to connect to or contact a metal surface, that could wear or heat the wires, use a piece of rubber to isolate the wires from contacting the metal.*
 - *Do not wrap the Halo wires. These are the sensors that trigger the system in case of a fire.*
 - *Make sure the HALO is 12" to 18" from the exhaust and turbo and will not rub on any sharp edges. The blue and green wires must not be in contact with anything hot or sharp.*
2. **Mount** one generator on each side of the engine compartment. Use the provided brackets, bolts, and locknuts to mount the generators using a 7/16 tool. **DO NOT DRILL HOLES IN THE FRAME. DO NOT CONNECT** the generators to the harnesses until instructed later.



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- *Make sure the generators are mounted horizontal or with the flat, discharge end at a slight angle upwards.*
 - *Make sure nothing is positioned 12" to 18" in front of the generators.*
3. **Connect** the main power harness (**MP120T**) to the blue wire on the HALO. The ends of the harnesses are labeled with the connection locations.
 4. **Route** the ring terminal end of the main power harness (**MP120T**) along the frame to the positive terminal of the battery or any 12V constant power source under the hood.
 5. **Connect** the ring terminal end of the manual activation switch harness (**MAS120T**) to the same power source.
 - *The spade end of the manual activation switch harness will be routed to the dash and connected later.*
 6. **Connect** the discharge harnesses (**DC72T & DC120T**) to the cream wire on the HALO. The harness plugs and the HALO plugs are labeled.
 - **Route** each discharge harness to a generator location. The longest harness goes to the generator on the passenger side. **DO NOT** connect them to the generators yet. There are jumpers on the generator ends of each discharge harness. Be sure these are properly connected. These are to test the system when everything is connected, except for the generators.
 7. **Mount** the horn under the hood on the driver's side. Use the self-tapping screw and washer provided. The firewall is an acceptable



location to mount. Make sure the wire connections on the horn are accessible.

- **Connect** the spade end of the main power harness (**MP120T**) to the horn.
- **Connect** the spade end of the horn ground (**HG12**) to the horn.

8. **Ground** the system and the horn.

- **Locate** the ring terminal on the HALO (cream wire). This is the ground for the system.
- **Locate** the ring terminal on the horn ground (**HG12**).
- **Place** both ring terminals together on the same self-tapping screw. Generally, the firewall is an adequate location for grounding.

9. **Plug** the LED harness (**LC120AT**) into the green wire on the HALO. Route the harness to the driver side dash.

10. **Mount** the green LED and the manual activation switch on the dash. Locate 2 blank knockouts side by side to the left of the steering wheel. These need to be reachable and visible to the driver from a seated position.

- **Drill** ¼" hole in the left knockout position and a ½" hole in the right knockout position.
- **Mount** the manual activation switch in the ½" hole with the faceplate/guard displaying "ON" above the switch.
- **Make sure the** manual activation switch is in the "OFF" position. Place the pull pin securely through the holes in the faceplate/guard and secure with the red pin seal. The seal should go through the hoop on the pin and through both holes



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on the switch guard. The seal is designed to break with 10-12 pounds of pressure if manual activation of the system is needed.

- **Mount** the LED in the ¼” hole to the left of the manual activation switch. Feed both wires through the ¼” hole and push the LED to snap into place.
- **Plug** the two LED bullet fittings into the LED harness (**LC120AT**).
Note: The bullet connectors are sometimes difficult to get together. Make sure they are snug then pull the sleeve down to protect the connection. Heat shrink in place if possible.

11. **Route** the manual activation switch harness (**MAS120T**), from the power source, through the firewall. Connect to the manual activation switch. **Make sure the wires will not be cut or rub on anything.**

- **Connect** the spade from the LED harness (**LC120AT**) to the “**ON**” side of the manual activation switch.
- **Connect** the spade on the manual activation switch harness (**MAS120T**) to the “**OFF**” side of the switch.

12. **Double check** all connections and fittings to be sure they are properly connected. All wires should be run neatly, and zip tied to prevent damage.

13. **Find** the pack of (15) stickers. Clean all sticker locations with provided alcohol wipes & allow to dry completely prior to installation.

- **Place** the Automatic Fire Suppression System Installed, and Caution stickers in the cab on the driver side dash or window.



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- **Place** Green Light = System Ready sticker above the green LED.
- **Place** the (red) Manual Fire Suppression System Switch and the (red) Remove Safety Pin stickers on the dash by the switch.
- **Place** the Manual Activation Switch sticker near the manual activation switch also.
- **Place** the Protected by An Automatic Fire Suppression System sticker and the EPA Approved stickers on each side of the hood close to the cab. This is to inform Emergency Responders.
- **Place** the For Parts and Service sticker under the hood on the driver's side.
- **Place** the Notice stickers and the Generators are Hot stickers next to each generator.

***When all connections are made, **the green LED will come on.** This indicates the system is operational. *The LED will STAY ON AT ALL TIMES. If the green LED is not illuminated the system is not wired properly.*

14. Unplug the jumpers from the discharge harnesses. Turn the jumpers in to supervisor for future testing. **Connect the generators. Recheck the LED to make sure it remains "ON".**

***This system monitors itself continually with the one LED. Note: *The LED only draws 20-30 milliamps. This is less of a drain than a battery sitting static. The LED has a 100,000 hour lifespan.*

For questions or assistance
call **FireGator™** at 864-223-5443 or call 864-992-1123



Warning!

Before removing the jumpers and plugging in the generators:

- Make sure Manual Activation Switch is in the “OFF” position with pin and red seal in place. *This switch will remain in the “off” position unless the driver needs to manually discharge the system in the case of fire.*
 - Do not flip the switch once the generators are connected or the system will discharge!
- Make sure the Green LED is illuminated. *If the green LED is illuminated, the system is active to detect any fire or thermal event.*

**If the green LED is not illuminated and you have checked to make sure all wires are connected, please call FireGator[™] at 864-223-5443 or call 864-992-1123