

AUTOMATIC FIRE SUPPRESSION SYSTEM

FireGator HHD System Installation Guide

Welcome to the FireGator HHD System installation guide. Follow these simple steps carefully to ensure a safe and proper installation.

Step One: Opening the Box

Open the box carefully. Remove each component, lay out the contents and identify the components of your AFSS system. Notice that all connectors are Deutsch connectors. Make sure to snap together and give a slight tug to ensure proper seating.



Step Two: Installing the HHD Sensor Panel

With the sensors facing downward, mount the panel above, near the engine, or directly on the firewall. The sensor detects abnormal high heat and will automatically trigger an alarm and warning light at 300°F. At 350°F the suppressant generators will activate. Secure using the provided self-tapping screws, or the included mounting brackets. Always position the sensor inside the engine compartment, above or near the motor.



Step Three: Installing the Control Panel

Mount the control panel in front and within reach of the driver in the operator station. Route the cable through the firewall. Drill a one-inch hole on the dash to create an opening for the harness if needed. Seat the panel securely, then fasten it in place with two self-tapping screws. Ground the panel ring terminal. Connect the harness beneath the dash to the connector routed from the sensor panel. Ensure the pull pin and security zip tie are in place with the switch in the Off position.



Step Four: Mounting the Auxiliary Horn

Place the horn on the firewall. Use the self-tapping screw provided to secure it. Ground the ring terminal to the firewall with a self-tapping screw, completing the connection from the sensor panel.



Step Five: Connecting Power

Connect the constant 12V DC power of the sensor panel to the battery, solenoid, or a constant 12V open fuse on the panel. Install the ground ring terminal from the sensor panel. This provides power to all system components and draws only 20 milliamperes, so there is no concern of draining the battery. Once all power connections are made and the unit is properly grounded, turn the battery on and check that the green light is illuminated on the control panel. You are now ready to install the suppressant generators.



Step Six: Installing the Suppressant Generators

Mount each generator using the provided metal brackets. Aim the nozzles toward the motor at a 30° angle. Place one unit on the fender beside the engine and the second unit at the base near the radiator. Connect the Deutsch connectors from the sensor panel only after the green light on the controller is illuminated. When released, the suppressant is hot to stay airborne. Do not aim directly at the ECM or sensitive components.



Step Seven: Labeling Components

Place the provided safety labels in their proper locations. The two large labels go in front of the driver with instructions for the operator. Place the two smaller stickers near each generator, providing information for emergency responders and technicians.



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