FIRE DETECTION
AND
SUPPRESSION SYSTEMS

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CVR(T) SUPPLY, SUPPORT, REPAIR, REFURBISH AND UPGRADE

FIRE DETECTION AND SUPPRESSION SYSTEMS

1 REQUIREMENT

The original CVR(T) fire detection system is very primitive and will only detect a fire in the engine bay.

2 PROBLEMS

The original detection systems were either; Loss of pressure in a compressed air pipe or Two strands of “Piano Wire” in low melting point plastic insulation twisted together so that when the insulation melts, the two strands of twisted wire make an electrical contact. Both of these systems then activate a warning horn.

If the driver hears the horn above the sound of the engine, he has to exit the vehicle and activate the pistol grip style fire extinguisher mounted outside the vehicle - which feeds NON Montreal Protocol Compliant BCF suppressant through a metal tube and into the engine bay.

3 SOLUTION

Fit an *S 2000* Fire Detection and Suppression System:

3.1 Engine Bay System.

3.2 Crew Compartment System.

4 BENEFITS

4.1 The Engine Bay System will automatically detect a fire, but to reduce the risk of false alarms, crew activation is required. The system also has a built in Test Function.

4.2 The Crew Compartment System is completely automatic and reacts instantaneously in the event of a fire.

4.3 Both systems use Environmentally Friendly Zero Ozone Depleting Suppressant.

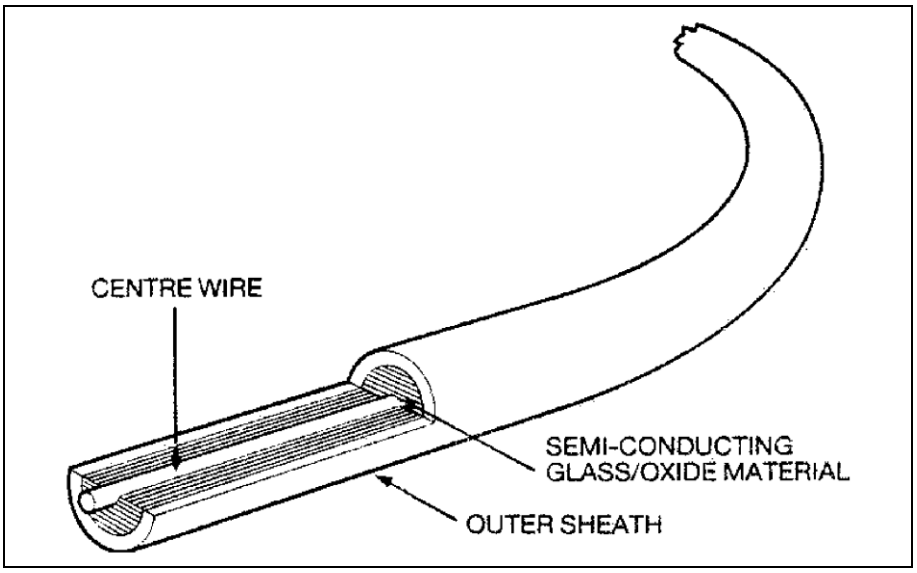
4.4 Automatic 120 dB Alarm System.

4.5 Compatible with the S 2000 Electrical System.

5 OPTIONS

5.2 Automatic shut down of Fuel Pump and activation of a Solenoid Isolation Valve.

5.2 Depending on the vehicle’s layout, additional optical detectors can be fitted to the crew compartment.



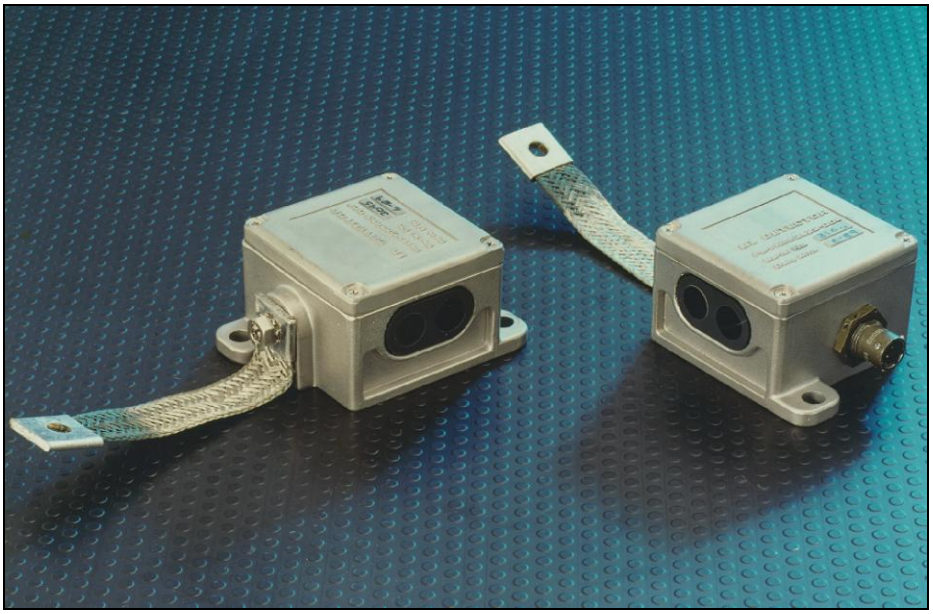
SCHEMATIC REPRESENTATION OF A FIREWIRE

TYPICAL FIREWIRE UNIT

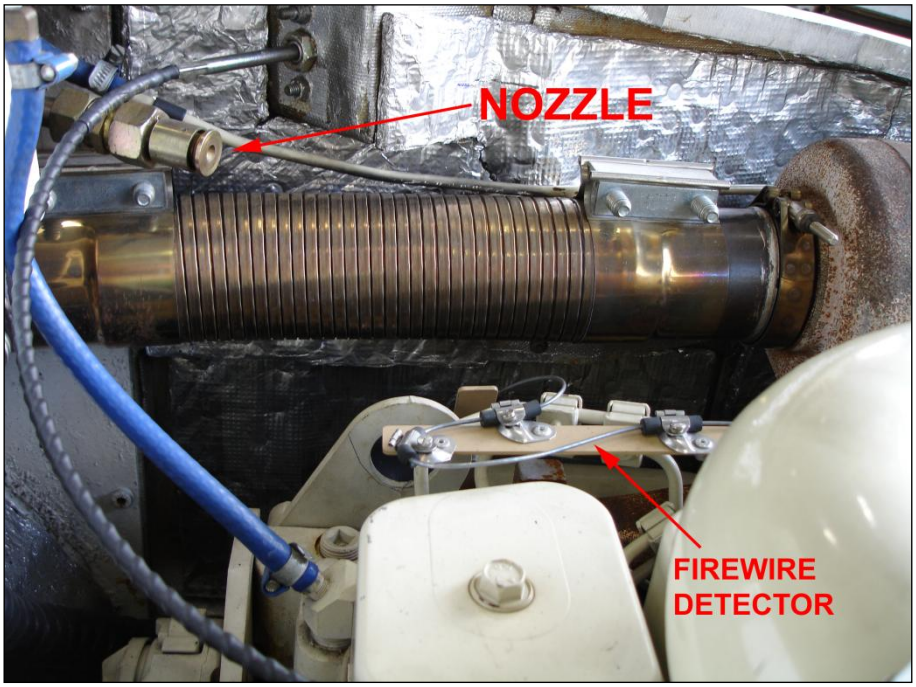
TYPICAL ENGINE BAY EXTINGUISHER BOTTLE

TYPICAL ENGINE BAY CONTROL UNIT

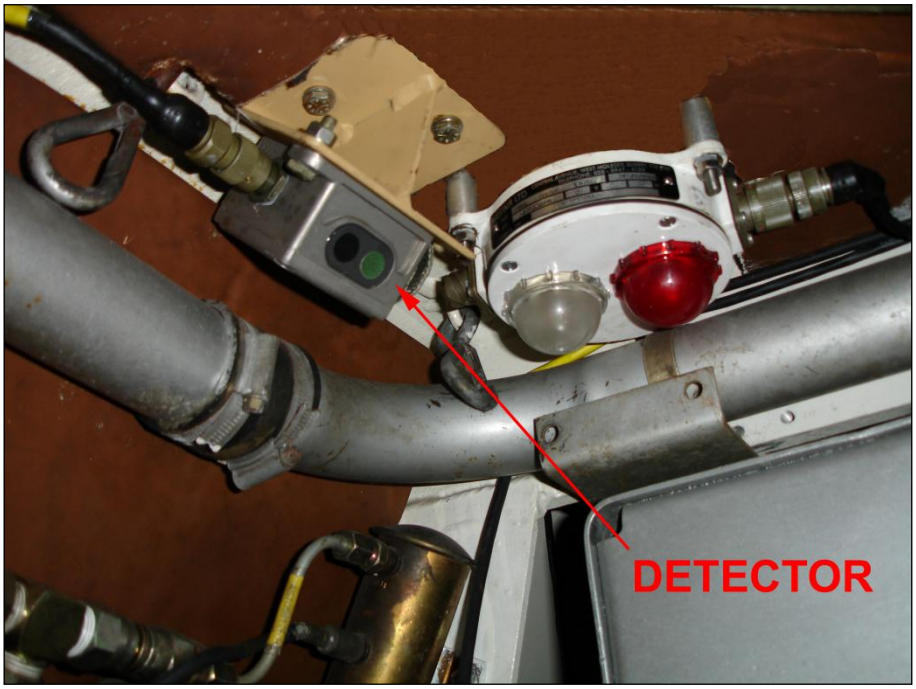
CREW COMPARTMENT SUPPRESSOR WITH OPTICAL DETECTOR AND CONICAL NOZZLE ASSEMBLY



ADDITIONAL OPTICAL DETECTORS (DEPENDING ON VEHICLE FIT)



ENGINE BAY INSTALLATION SHOWING FIREWIRE ON THE TOP OF THE ENGINE AND ONE OF THE SUPPRESSANT NOZZLES



CREW COMPARTMENT OPTICAL DETECTOR