



Fire Suppression Cable Check Instructions

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Version 1



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Issue Description

Two fire suppression systems were found to have pull handles which were unable to be pulled. The root cause of the issue has been identified as the set crew clamping onto the pull cable and not the cable housing. When the set screw is tightened onto the cable, it will stop the cable from being pulled which will not allow the fire suppression system to operate correctly.



Inspection

Before inspecting the fire suppression system, follow the steps below to reduce the opportunity for incidents.

1. Power off the car and allow for engine to cool down completely
2. Install the pin for the fire suppression bottle into the cap, do not install the pin into the handle

Once the above steps are completed and you confirm the pin is in the activation head, pull on the fire suppression handle. If the handle cannot be pulled, first inspect the housing to search for kinks or other issues. The cable at the bottle should move freely and with only moderate force. No further investigation is necessary if no issue is found with the handle and the cable can move.

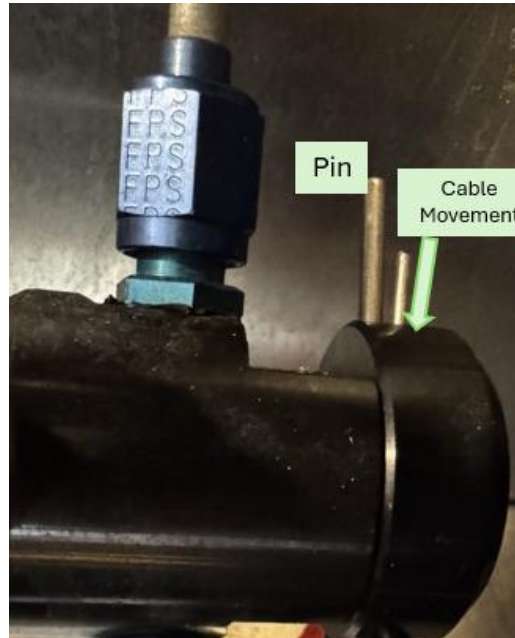


Figure 1: Cable Movement Inspection



If no issues are found with the housing and the handle is difficult or impossible to pull, loosen the set screw with a 3/32" hex key on the cap of the bottle and remove the cable and housing.



Figure 2: Set Screw Location



The cable should be round and without damage. A cable that is damaged by the set screw will have a flat spot where the screw was clamping on the cable. This can also have a sharp edge.



Figure 3: Cable Comparison

A damaged cable does not have to be replaced but if the damage to the cable prevents movement, it must be replaced. Please contact Rush Auto Works at 713-937-0000 for replacement parts.



Corrective Action

Install the cable in the activation head. The housing should be fully seated into the activation of the bottle. Slightly pull on the handle to check that the cable is moving without excessive force.

Reinstall the set screw using a 3/32" hex key into activation bottle and tighten the screw on to the cable housing. Ensure the cable housing is unable to be pulled from the cap. Pull on the handle and confirm the force required is not excessive for the cable to move. Ensure the cable is secured to the cockpit.