



SERVICE LETTER
FOR WIRING HARNESS REPAIR
ON THE SIMPLEX MODEL 328

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Used On: Simplex Model 328

Approved by:

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Log of Revisions

Rev.	Description of Revision	Date	Approved
I/R	Initial Release	December 15, 2009	TWP



SYSTEM MODELS AFFECTED:

Model 328 Fire Attack System (FAS)

FAA APPROVAL:

N/A

MANPOWER:

Eight (8) MHRS (Estimated)

COMPLIANCE:

Required if damage to foam pump wiring harness has occurred.

SPECIAL TOOLS:

None

MATERIALS:

Silicone sealer or Pro-seal

- 1ea 000-106059-000 connector
- 20' 000-107210-000 16 awg wire
- 12" 000-107853-000 ¼ expandable sleeving
- 1ea 328-500001-001 schematic
- 1ea 000-107850-000 1/8 Heat shrink
- 1ea 000-115720-000 backshell with clamp
- 1ea 000-159100-000 silicone

WEIGHT AND BALANCE:

None

**ACCOMPLISHMENT INSTRUCTIONS:**

Step	Description
1	Remove bulkhead fitting from tank assembly by removing hardware. This will allow access to the connector and damaged wires thru the tank door opening. (may require setting the tank assembly on its side)
2	Removed damaged wire sleeving to expose the damaged wires.
3	Strip wire coating down to expose approximately 5/8" bare wire on each damaged wire.
4	Tin the leads and form a "hook" on each damaged wire.
5	Using wire supplied in the Simplex kit strip 3 new wires down as defined in steps 3 and 4. Wires should be cut to 48".
6	Cut 3ea. heat shrink tubing to approximately 1 1/2" long. Place heat shrink over new wires in preparation for soldering.
7	Connect the new wire "hooks" to the existing wire hooks and solder. After solder is completed place heat shrink tubing over soldered connection and shrink using heat source.
8	Route new wires thru tank bulkhead connector hole and reinstall bulkhead connector using hardware removed in step 1.
9	Cut new wires approximately 10" from bulkhead fitting.
10	Cut 14" of expandable wire sleeving and place over new wires into bulkead fitting.
11	Following schematic 328-500001-001 install wiring into connector 000-106059-000 and backshell 000-115720-000. Use heat shrink over soldered connections as required.
12	Set expandable sleeving into backshell clamp prior to tightening.
13	Set expandable sleeving into bulkhead fitting and pot using silicone supplied in the Simplex kit.