

# SERVICE LETTER



**SL 2006-002**

Used On: 323-001 FIRE ATTACK SYSTEM .....

## Installation of 323-001 Dual "L" Foam Bags

Manufacturing Engineer: David Strait Date: March 22, 2006

Certification and Test Specialist: [Signature] Date: 3/22/06

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Initial release Date: March 22, 2006

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13340 NE WHITAKER WAY  
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Date: March 14, 2006

Revision: Initial Release

**PART NUMBERS AFFECTED:** 323-301 002-001 serial numbers 004 and 005

**SYSTEM MODEL:** Model 323-001 Fire Attack

**COMPLIANCE:** Not mandatory

**DESCRIPTION:** The new foam bags have been optimized and provide a minimum of 55 liters per side. These bags require no changes in the plumbing system, however some fiberglass supports will need to be removed from the tank.

**APPROVAL:**

Local field approval will be necessary.

**MANPOWER:**

Approximately 12 man hours

IF APPLICABLE, AN APPROPRIATE ENTRY SHOULD BE MADE IN THE ROTOCRAFT LOGBOOK UPON ACCOMPLISHMENT.  
IF OWNERSHIP OF SYSTEM HAS CHANGED, PLEASE FORWARD TO NEW OWNER.

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## MATERIAL:

The following materials are required for the accomplishment of this bulletin and may be obtained through Simplex Manufacturing:

Quantity	Part Number	Description	Item No.
1	323-205 003-001	Left side Dual "L" Foam Bag	1
1	323-205 003-002	Right side Dual "L" Foam Bag	2
8	000-110140-000	AN4CH-5A stainless bolt	3
8	000-111045-000	MS21044-C4 stainless steel lock nut	4
16	000-112362-000	MS63040-4 stainless steel fender washer	5
2	000-121096-000	½ hose x ½ NPT 90 degree adapter	6
2	000-115827-000	½ inch plastic clamp	7

## SPECIAL TOOLS:

1. Standard assortment of pliers, screwdrivers, and wrenches
2. ¼ inch hand drill
3. ¼ inch High sped steel drill bit
4. a small amount of silicon sealant
5. Cap and cord assembly tool provided by Simplex Manufacturing

## WEIGHT AND BALANCE:

Not affected

## ELECTRICAL LOAD DATA:

Not affected

## REFERENCE:

See pages 4 ,5,6, and 7

## PUBLICATIONS AFFECTED:

FAA documents to be submitted at a later date

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## ACCOMPLISHMENT INSTRUCTIONS

### WARNING!

Ensure that aircraft main power is turned off prior to starting this procedure.

### Installation Instructions for Foam Bags Simplex p/n 323-205 003-001& 002

Note: It will be necessary to remove the tank from the helicopter unless adequate clearance can be provided by other means.

1. Flush and drain as much foam/retardant as is practical from the right and left hand bags.
2. Locate the three screws and washers (see items 12 and 14 on page 7) around each fill port of both the right and left foam bags. Remove them and save for re-installation. Push the filler cap firmly inward to break the RTV silicon bond between the filler and the tank.
3. Reach up inside the tank through the fire attack doors on the bottom of the tank and manually break the 90 degree PVC plastic adapter fitting (item 25 on page 6) on the outlet of each bag. This will allow you to more easily remove the hose from the fitting.
4. Remove the PVC schedule 80 nut (item 19) from both forward and aft outlet fittings on the bags located at the bulkhead and fiberglass support bracket. Save these nuts for re-installation.
5. Remove the bags from the tank through the bottom fire attack doors.
6. Remove (item 5 on page 7) from each of the old bags and install on the new bags.
7. Cut and remove the four fiberglass foam bag supports from the tank. Using a pneumatic grinder sand the attach points of the removed supports flush with the inside skin of the tank. Care should be taken not to under-cut the composite fibers.
8. Coat the sanded areas with resin and surfacing agent as specified per SMC 2000-041 (Type 1 or Type 2)

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9. Insert the new foam bags using the cap and cord provided in the service kit to pull the inlet into position.
10. Using an air source carefully inflate the bag to position and form it to the tank cavity. Do not apply more than .05 BAR pressure! The exhaust of a shop vacuum work well.
11. Using the four(4) hold down tabs as guides back-drill the tank skin. Using the AN4 hardware provide apply a small amount of silicon RTV sealant under the outer 1 inch stainless steel fender washer and secure the bags.
12. Install the 90 degree hose adapter (25) to the outlets of the bags and connect the outlet hoses to same using clamp (Item 17 p/n 115827).
13. Re-install the hardware removed from the old bags in step 2. Apply a small amount of RTV silicon around the flange of Item 5 and the screw heads.
14. Allow several hours for the sealant to cure before using the tank.

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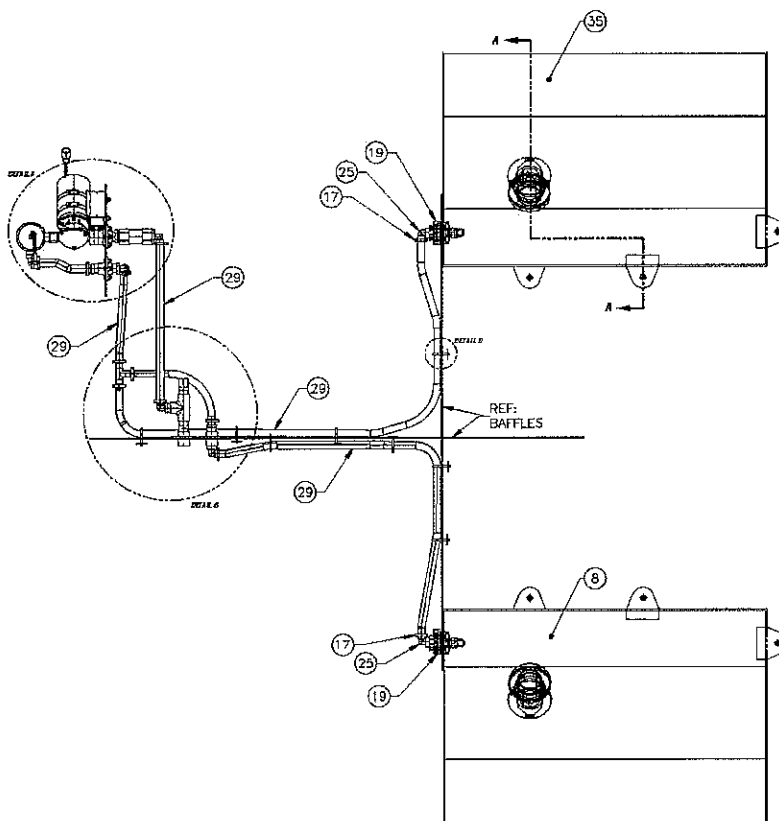


Figure 7-11, Foam System Installation  
(P/N 323-205 001-002B\_DCN53885459)

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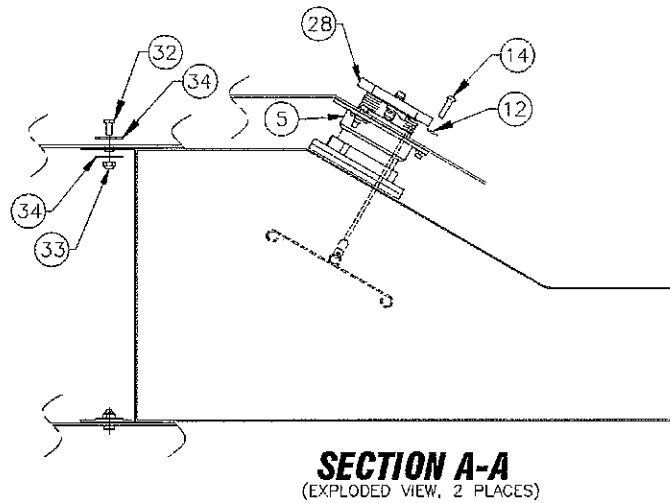


Fig 7-11, Foam Tank Installation (Continued)

Rev A

7-17

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