



Service Letter #: SL10-1521509

Date: 04/14/2015

Part/Assembly #: 15-21509 Bulkhead, Partial, STA. -46.50.

Float Model/Aircraft Affected: 1500 Amphibious Model Floats, Float Set Numbers 0512-05-1500, 0512-05-1500, 0913-03-1500, 0913-04-1500, 1013-03-1500, 1113-04-1500, 0414-02-1500, 0614-03-1500, 0814-02-1500, 1114-03-1500, 1214-04-1500, 0115-06-1500.

Effected: 1500 Float Assembly, Affected Float Set Numbers listed above.

Symptom: 1500 Float Assembly , bottom shell damage.

It was discovered that bottom shell damage may occur when landing in rough water above the design gross weight for the floats.

Corrective Action Recommended:

Aerocet recommends installation of 15-21509 Bulkhead, Partial, STA. -46.50 per the instruction listed below:

Time Required: 30 minutes per float. 48 hour cure time.

Aerocet to supply parts and materials at no charge, including tools that are to be returned to Aerocet, Inc. Aerocet, Inc. shall have no obligation or liability for labor and installation costs.

Note: **Handling and Application of Plexus MA425 per the supplied MSDS and TDS.**

We cannot emphasize enough the hazards when handling Plexus MA425. Refer to MSDS for proper precautions and potential health effects, (e.g. liquid and vapors causes moderate irritation (blurred vision, tearing, redness) and **may cause corneal damage.**

Plexus requires a well ventilated area when handling, and it is essential to have appropriate personal protective equipment (PPE) (i.e. eye and face protection, skin protection and respiratory protection. Aerocet recommends a Full Face respirator and appropriate organic vapor cartridge). Refer to Plexus MA425 MSDS.

- 1) Remove #2 Access Panel, make sure any water is removed and bay area is completely dry.
- 2) Measure forward 14.5" from the aft bulkhead and mark the bottom of the float in a couple areas with the Silver Sharpie (or equivalent).
- 3) Scuff sand 1.5" strip on the bottom and 2.0" up the sides at your 14.5" marks.
- 4) Clean the sanded area thoroughly with Acetone.
- 5) Set the Partial Bulkhead on the 14.5" line perpendicular to the deck of the float (some trimming to the bulkhead may be required).
- 6) Once the bulkhead is properly fitted, secure it into place using the Hot Glue Gun (only a small amount is required).



- Note: Before proceeding to the next step ensure appropriate PPE (Personal Protective Equipment) is in place for use (i.e. NIOSH approved air-purifying respirator with eye protection and organic vapor cartridge per MSDS , protective gloves and other protective apparel to prevent skin contact).
 - Eye Hazards: Can cause moderate irritation, burning sensation, tearing, redness and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.
 - Skin Hazards: Can cause skin irritation, itching, redness, rashes, hives, burning, and swelling.
 - Inhalation Hazards: Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects.
 - Refer to MSDS for further hazards, first aid measures, exposure control, etc.
- 7) Pump plexus into a Pastry Bag (as the Static Tubes do not mix the Plexus adequately) fill the bag about 2/3, twist and tape the bag closed. Knead the bag for about one minute or until the 10:1 ratio is completely mixed. Attention: Do not breath vapor or mist, avoid contact with skin, eyes or clothing. Refer to MSDS for further handling instructions.
 - 8) Cut the end of the bag, leaving 1/2" width opening.
 - 9) Apply a bead along both sides of the Partial Bulkhead, leave the center keel free of Plexus to allow drainage.
 - 10) Use the Radius Stick to apply a 3/8" radius on all edges. Use squeegee and Acetone to remove excess Plexus. Let dry 2-3 hours before re-installing Access Panel.
 - 11) Allow Plexus to cure for a minimum of 48 hours before flying.

Refer to MSDS for Exposure Control and Personal Protection Equipment

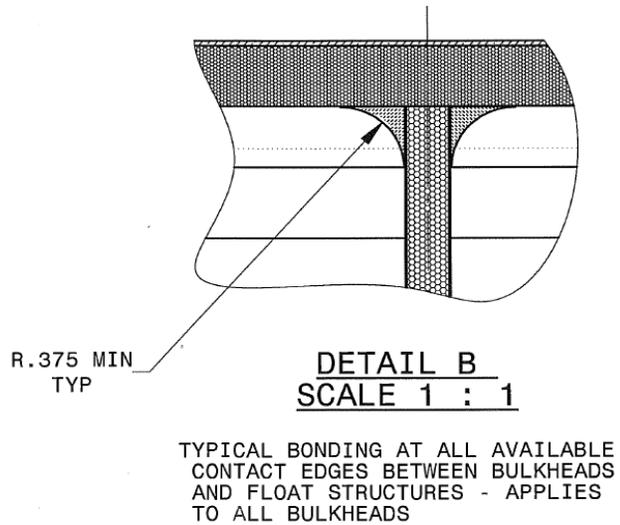
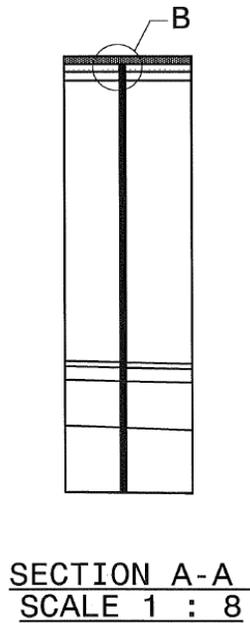
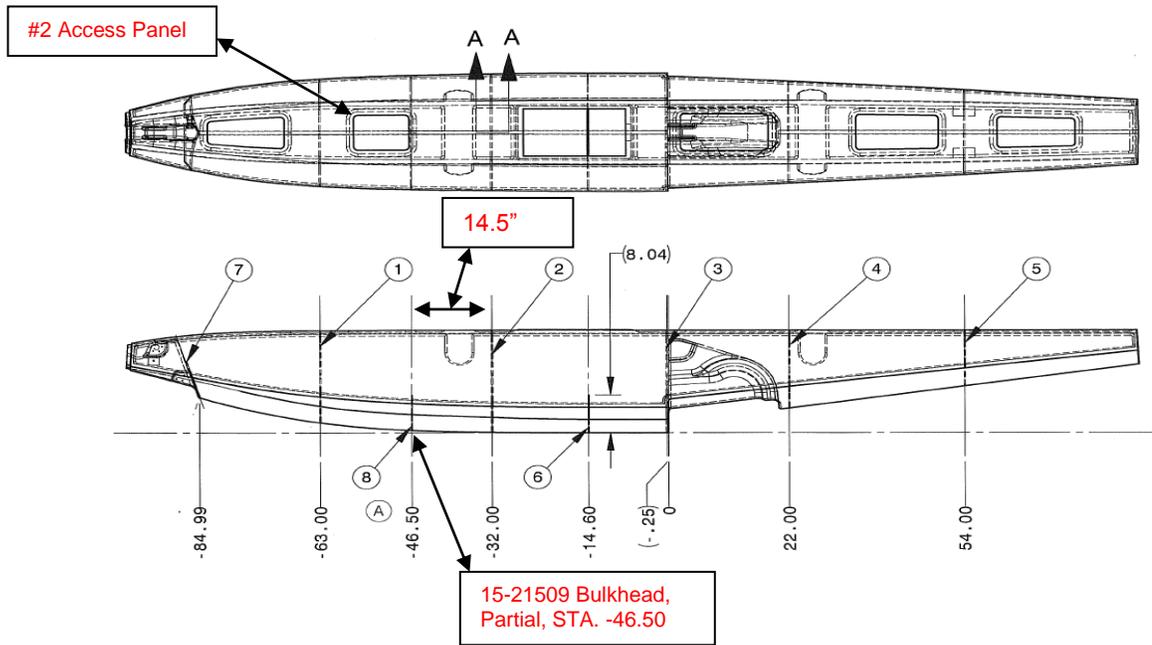
Materials/Parts Provided in Kit:

- (1) Radius Stick
- (1) Squeegee
- (3) 380 ml Plexus MA425
- (6) Static/Charging Tubes
- (1) Plexus MA425 MSDS & TDS
- (1) Silver Sharpie
- (1) 80 Grit Sandpaper
- (1) Plexus Applicator Gun (Gun to be returned to Aerocet, Inc.)
- (1) Hot Glue Gun & Glue Stick
- (2) 15-21509 Partial Bulkheads

Additional Material/Supplies Required:

- 3/4" Masking Tape
- Acetone
- Paper Towels
- (1) Full Face Respirator (North by Honeywell, Part# 760008A)
- (2) Organic Vapor Cartridge (North by Honeywell, Part#75SCL)

- (2) Chemical Resistant Gloves (i.e. Butyl)
- (1) Other gear may be required to prevent skin contact



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