

18530 59<sup>th</sup> Drive NE, Arlington, WA, 98223, glasairaviation.com, (360) 435-8533

<b>Notice #:</b> 2016-003	<b>Supersedes:</b> N/A
<b>Release Date:</b> 9/22/16	<b>Effectivity Date:</b> 9/22/16
<b>Aircraft Make/Model:</b> Glasair Merlin M-1	<b>Serial No:</b> 8000
<b>Limitations for completion of any required corrective action:</b> Prior to next operation of aircraft	

## SERVICE BULLETIN

**NOTE:** Always use proper protective gear and safety equipment when performing service or repair as required by OSHA and or your state or local safety authority.

**NOTE:** Logbook entries must be made that show the successful completion of corrective action. The information shall include, who performed the repair, when the repair was performed, and what parts were used (including batch and date information), from where they came, invoices, etc.

### INSTRUCTIONS

- Description of Corrective Action:** Radiator attachment hardware wore a hole into the radiator fins and core during aircraft operation due to vibration, causing a coolant leak. Leaking coolant caused material deterioration of the shock mounts. Replace radiator mounting hardware and replace nose gear shock pucks as necessary.
- When Corrective Action Must Take Place:** Prior to next operation of aircraft.
- Level of Certification Required:** LSARM or A&P.
- Tools Required:** #2 Phillips screwdriver, #2 common screwdriver or 5/16" nut driver, drill with #10 and 1/4" bits, 3/8" & 7/16" sockets and wrenches.
- Parts Needed:** P/N 5510-20011-01 Bracket, Radiator-Oil Support Weldment (Qty. 2), P/N 5510-20031-01 Radiator Vibration Mount (Qty. 4), P/N 5400-20029-01 Nose Bumper Puck(s).
- Where to Obtain Parts:** Glasair Aviation USA, LLC 18530 59th Dr NE, Arlington, WA 98223  
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7. **Detailed Steps:**

- A) Remove aircraft cowling.
- B) Drain coolant by removing the coolant lines on either side of the radiator.
- C) Once drained, remove radiator completely and remove the support brackets.
- D) Clip the oil cooler support clips and move the oil cooler to the side.
- E) Attach P/N 5510-20011-01 Bracket, Radiator-Oil Support Weldments to aircraft.
- F) Bolt radiator into radiator bracket.
- G) Fasten oil cooler with new mounting hardware P/N 5510-20031-01 Radiator Vibration Mounts.
- H) Reconnect radiator coolant lines and replenish with coolant in accordance with QAM-102 Merlin Maintenance Manual section 1.18.2.
- I) Inspect P/N 5400-20029-01 Nose Bumper Puck(s) for deterioration and replace as necessary.