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2842 Highway 231 North, Shelbyville, TN 37160

SERVICE BULLETIN	
Service Bulletin #	AASB-1-5-2012
Superseded Bulletin #	N/A
Issue Date	5-24-2012
Effective Date	5-24-2012
Limitations for Completion	Prior to Next Flight
Make & Model Affected	Lightning LS-1 SLSA & ELSA
	SN78 thru SN142
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1. Applicability: Arion Aircraft Produced LS-1 SLSA & ELSA aircraft. SN78 thru SN142

2. Background: 2.25" Airspeed Indicators installed for back up purposes have been found to be mis-marked. See figure 1. The white arc for flap operation is correctly marked for airspeed limitations; however the arc overlaps the full range of the green arc. The green arc incorrectly stops at 75knts IAS; this should extend down to the clean stall speed of the aircraft, 45knts IAS. The White arc and Green arc should both be visible for the appropriate airspeed range, see figure 2.



Figure1. Incorrect Markings



Figure 2. Correct Markings

3. Compliance with- Implementation Schedule. Before the next flight the 2.25" ASI must be placarded INOP with a clearly labeled decal on the face of the ASI. The owner or operator of the aircraft must notify Arion Aircraft that the ASI has been placarded thru email or phone call. Arion Aircraft will provide the correctly marked ASI in exchange for the incorrectly marked ASI.



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4. Procedure:

1. Remove the primary (left) EFIS screen in your aircraft; it is not necessary to unplug the electrical or Pitot/static connections.
2. Remove the 4 mounting screws from the face of the ASI. This will allow you to pull the ASI over to the EFIS hole.
3. Inspect the back of the ASI for the position of the Pitot and Static lines
4. Clearly label the pitot and static lines. Failure to do so will cause loss of Airspeed indication and most likely altitude indication for all systems.
5. Remove the lines from the back of the ASI.
6. Remove the barbed or quick disconnect fittings from the back of the ASI.
7. Install those fittings in the new ASI.
8. Correctly hook the Pitot line to the pitot port and the static line to the static port on the back of the ASI.
9. Install the ASI back into the panel with the 4 screws removed earlier.
10. Install the EFIS screen that was removed as well

5. Level of certification required for SLSA Lightning LS-1.

Any work called for by this letter must be carried out by personnel holding a Light Sport Repairman / Maintenance rating or a licensed A&P mechanic. On completion of the work, the authorized repairman must note the completion of the actions required by this letter in the aircraft's maintenance logbook. This note should specify what work was carried out, reference this Notification, indicate the date of the work and the identity (including license number where appropriate) of the person carrying out the work.