

Sportsman Service Bulletin 65

Subject: Engine Baffle Cracks

Applicability: Sportsman Aircraft with Fuel Injected Engines

Issue: Inspection and reinforcement of 506-07104-01 Front Induction Baffle.


Compliance Time: Prior to first flight, or next flight if currently flying.

Discussion and Background Information:

We are aware of two Sportsman aircraft reporting fatigue cracking of the front induction baffle directly behind the air filter. Since the front baffles form a pressurized plenum chamber, the air pressure is forcing this baffle piece against the fuel controller mounting bolts with localized stress causing cracks in the baffling.



Allowing the stress cracks to propagate may eventually result in a baffle leak large enough to possibly affect engine cooling.

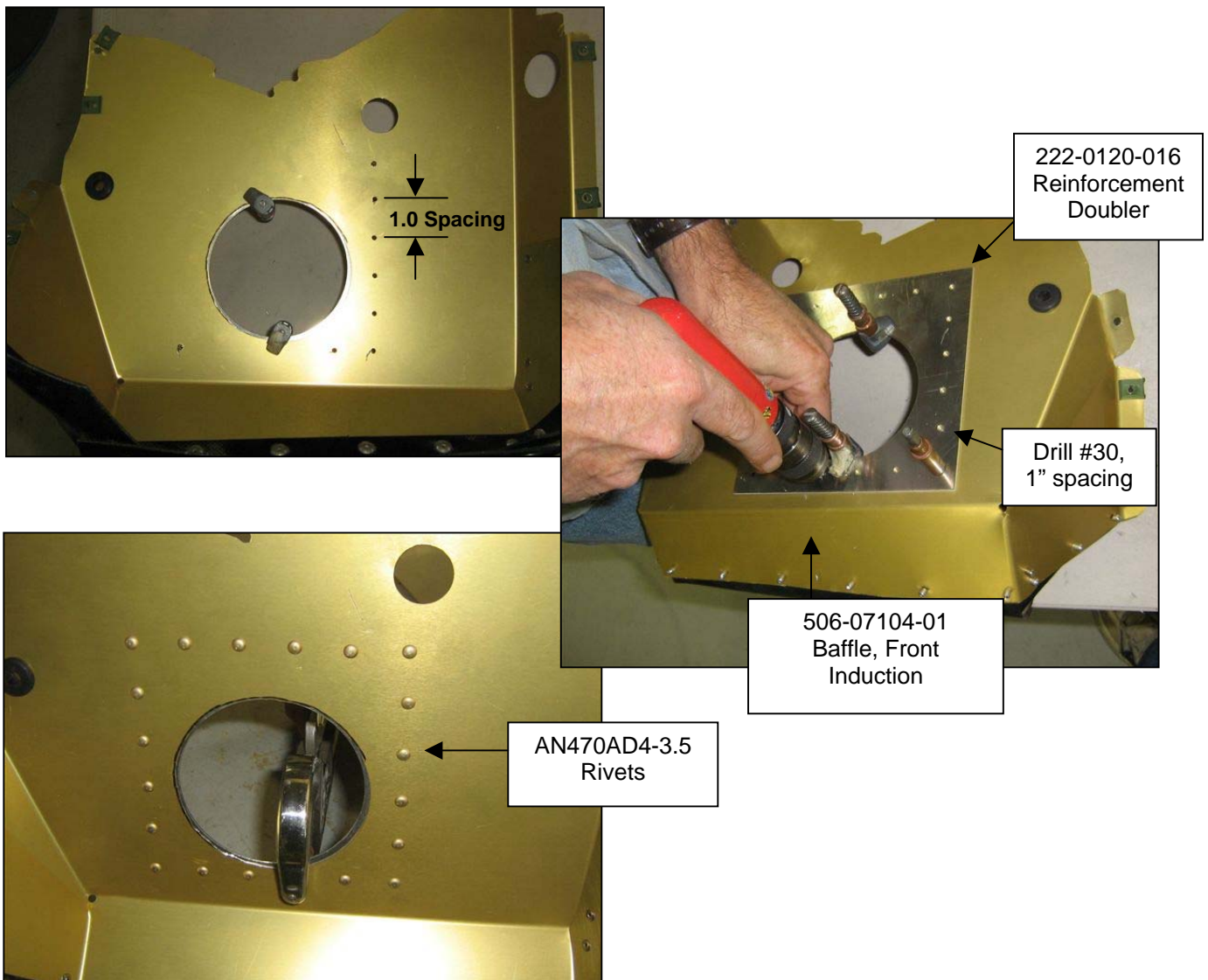
	Model: All Sportsman with injected engines	Document: Service Bulletin 65	Revision: -	Date: 10/5/07	Page: 1
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Required Action:

If flying, perform an inspection of the 506-07104-01 front induction baffle piece (prior to next flight) by removing the cowling. If minor cracking is detected, perform a repair as specified within this Service Bulletin, within the next five hours of tach time.

If major cracks are detected (longer than 1” in length) replace the cracked front induction baffle (506-07104-01) with a new one and add the reinforcement doubler as specified below. If you need a new front induction baffle or doubler plate, please contact the Glasair Aviation Parts Department at: parts@glasairaviation.com or 360-435-8533 x221 (Glasair Aviation LLC will provide the replacement parts at no cost).

If not flying yet, install a 6” x 6” piece of .063, 6061 T6 or 2024 T3 aluminum as a reinforcement behind and surrounding the area of baffling where the fuel injector passes through as shown below. The center hole should be 3 ¾” diameter.



	Model: All Sportsman with injected engines	Document: Service Bulletin 65	Revision: -	Date: 10/5/07	Page: 2
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