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SERVICE LETTER May 10 03

Issue Date:

May 10, 2003

Subject/Purpose:

Muffler heat shroud

Affected Models:

All models with one-piece muffler & one-piece muffler heat shroud.

Compliance Time:

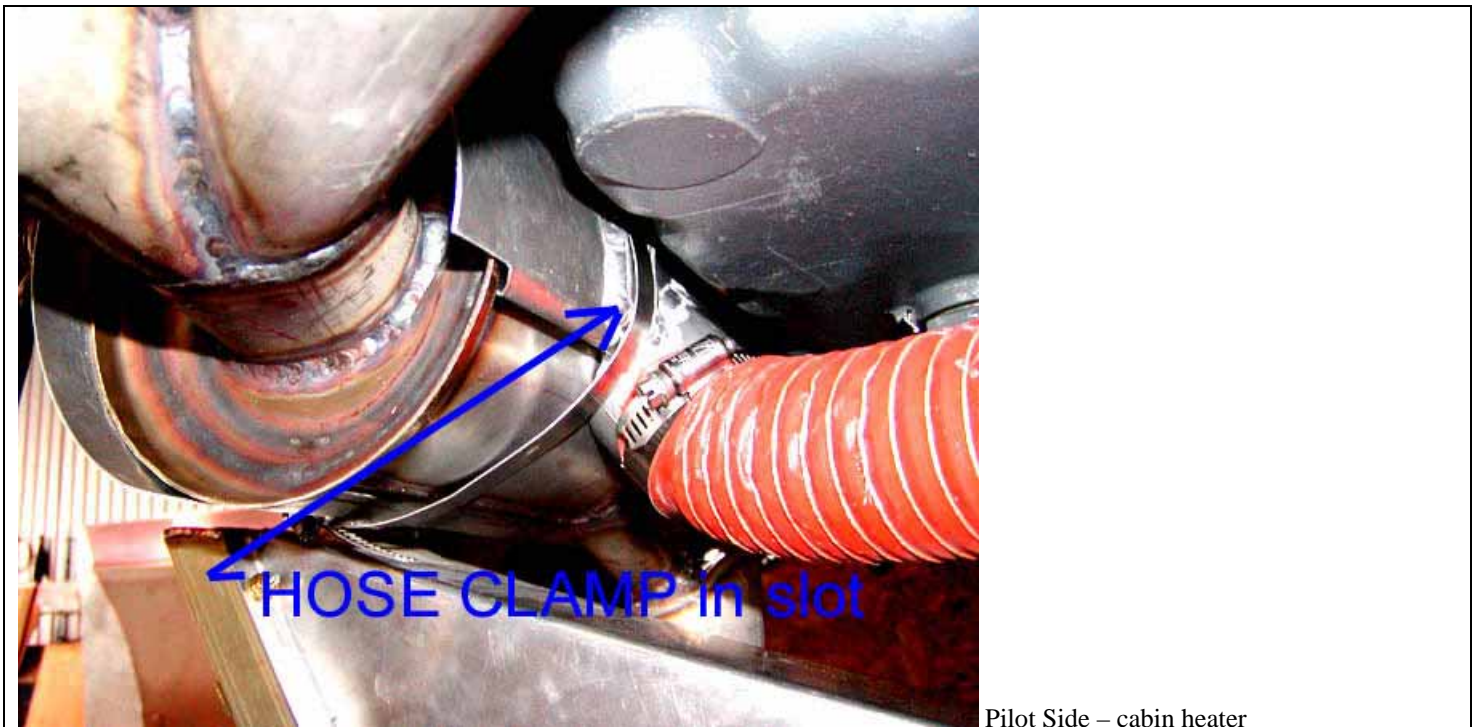
Next inspection

Inspection:

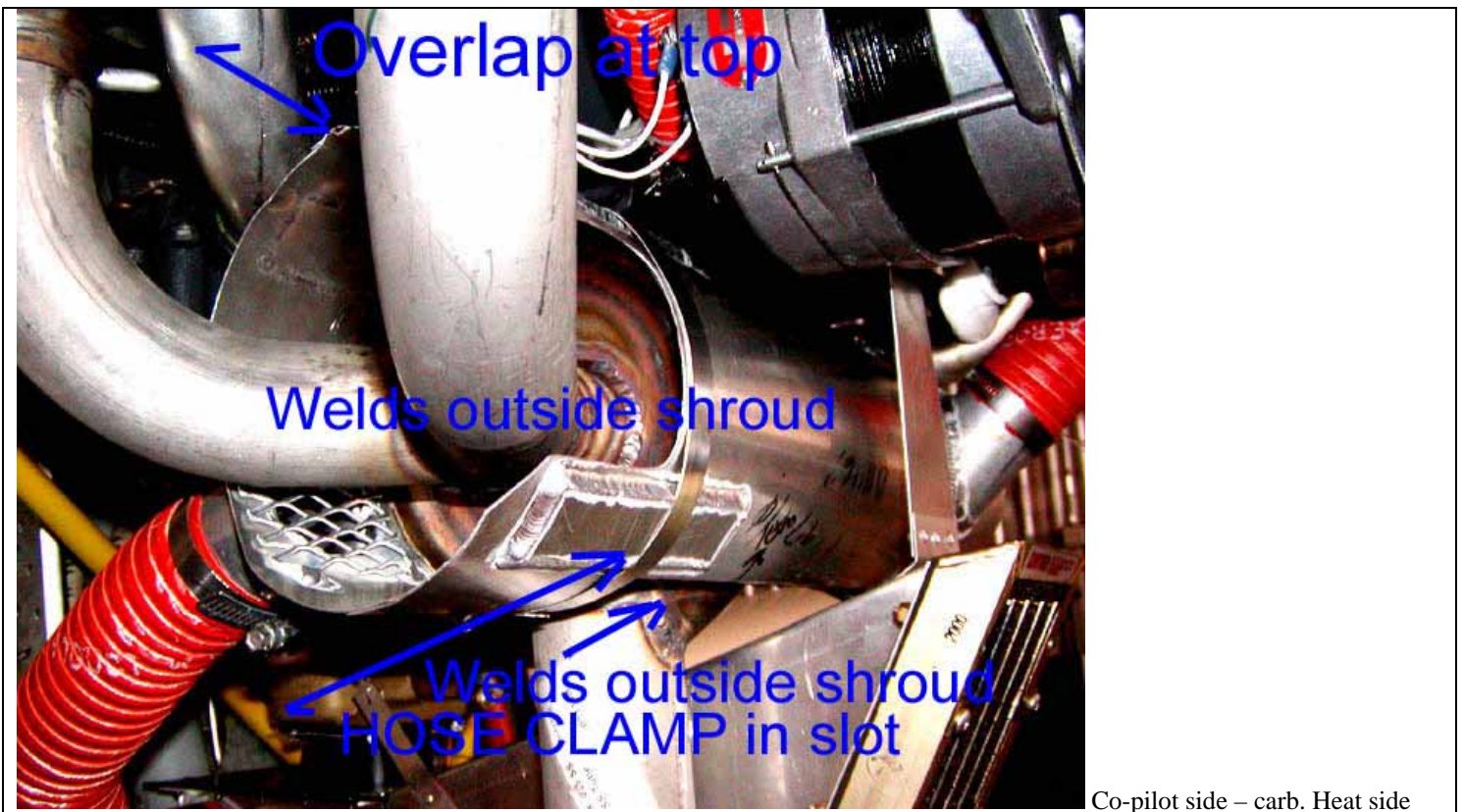
Check for muffler cracks when installing the two-piece shroud. Run engine after installation and confirm RPM drop when Carb. Heat is “ON”, as stated in Flight Manual – Before Take-Off checklist.

Required Items:

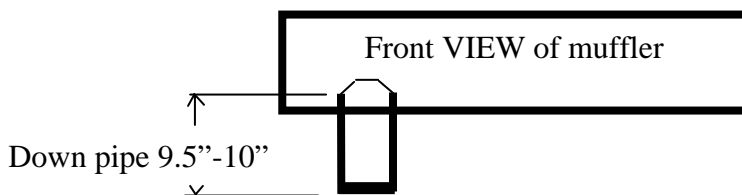
20-M-97-1/0	2 Piece Heat Shroud	1
HAS-84	5 1/4” hose clamp – standard hardware type	2



Pilot Side – cabin heater



- Make sure that the muffler clamps are tight and safety tied and are positioned in the aluminum slots so that they cannot slide off / move around.
- You can remove the two-piece shroud without removing the muffler system. This makes it much easier to inspect the muffler for cracks as stated in the Service Manual, Engine Section - #10: "Inspect the exhaust manifold for cracks (carb and cabin heat shroud removed). **150 HR INTERVALS** (Ref. AD-CF-90-03R2)"
- Muffler exhausts down pipe length must be in accordance to following:



- Perform Dynamic Propeller Balance test (perform to 0.05 or less with Vibrex 2000 from Chawick-helmuth. More is not acceptable), check tracking of propeller, check engine timing, and check engine spark plugs. These are required to minimize engine vibrations.

Contact Zenair Ltd. for more information.

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