



SERVICE BULLETIN MARCH 2006 REV#0

Issue Date:

March 2006

Subject/Purpose:

A, Certain number of CH2000 aircraft muffler systems were equipped with a “one-piece” cabin heat shroud. Muffler exhaust exit tube is enclosed inside the shroud, similar to most general aviation type mufflers. In the event that the exhaust exit tube cracks at the muffler, carbon Monoxide (CO) can enter the cabin heat system and cabin through the shroud. AMD has been supplying a “two-piece” muffler shroud system since 2004 and is now requesting all “one-piece” shrouds be replaced with “two-piece” shrouds. Advantage of the “two-piece” shroud is that the exhaust exit tube is not enclosed inside the shroud. Purpose of this is to minimize the possibility of carbon Monoxide (CO) entering the cabin.

B, AMD is requesting that all CH2000 aircraft be equipped with a carbon Monoxide (CO) detector. Purpose of this is to make sure that in the event that carbon Monoxide (CO) enters the cabin, the pilot will be made aware if it and can take appropriate action.

Affected Models / Serial Numbers:

A, All CH2000 aircraft with “one-piece” muffler heat shroud on one-piece muffler.
 B, All CH2000 aircraft serial numbers 20-0002 and above to install carbon Monoxide (CO) detectors

Compliance Time:

A, Next 50 hour inspection / oil change.
 B, Next 50 hour inspection / oil change.

Inspection:

A, 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. In the event that there is cracking, remove muffler and order new muffler system.

Required Items:

20-M-97-1/0	2 Piece Heat Shroud	1
HAS-84	5 ¼” hose clamp – standard hardware type	2
Quantum Eye	carbon Monoxide (CO) detector	1

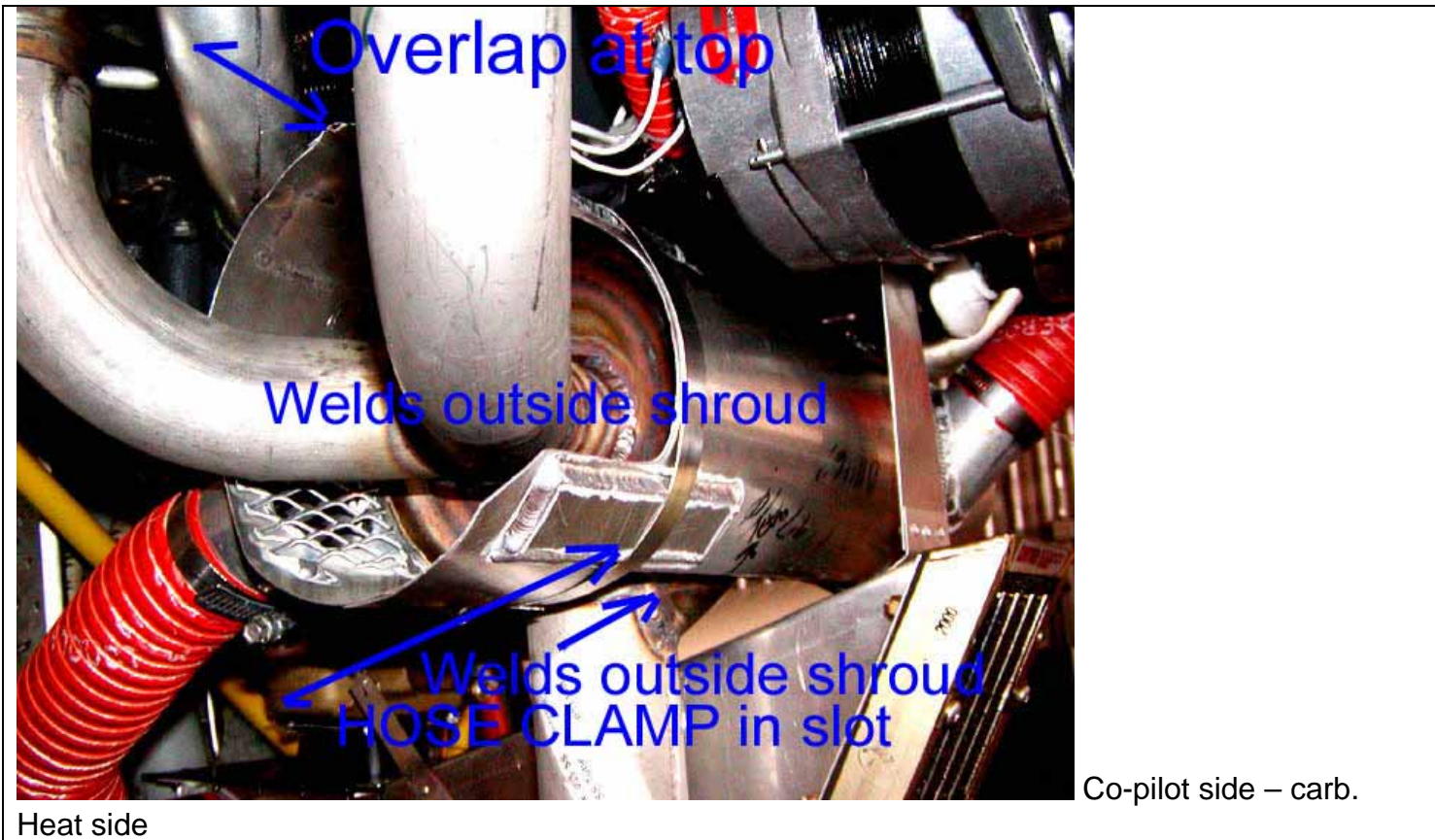
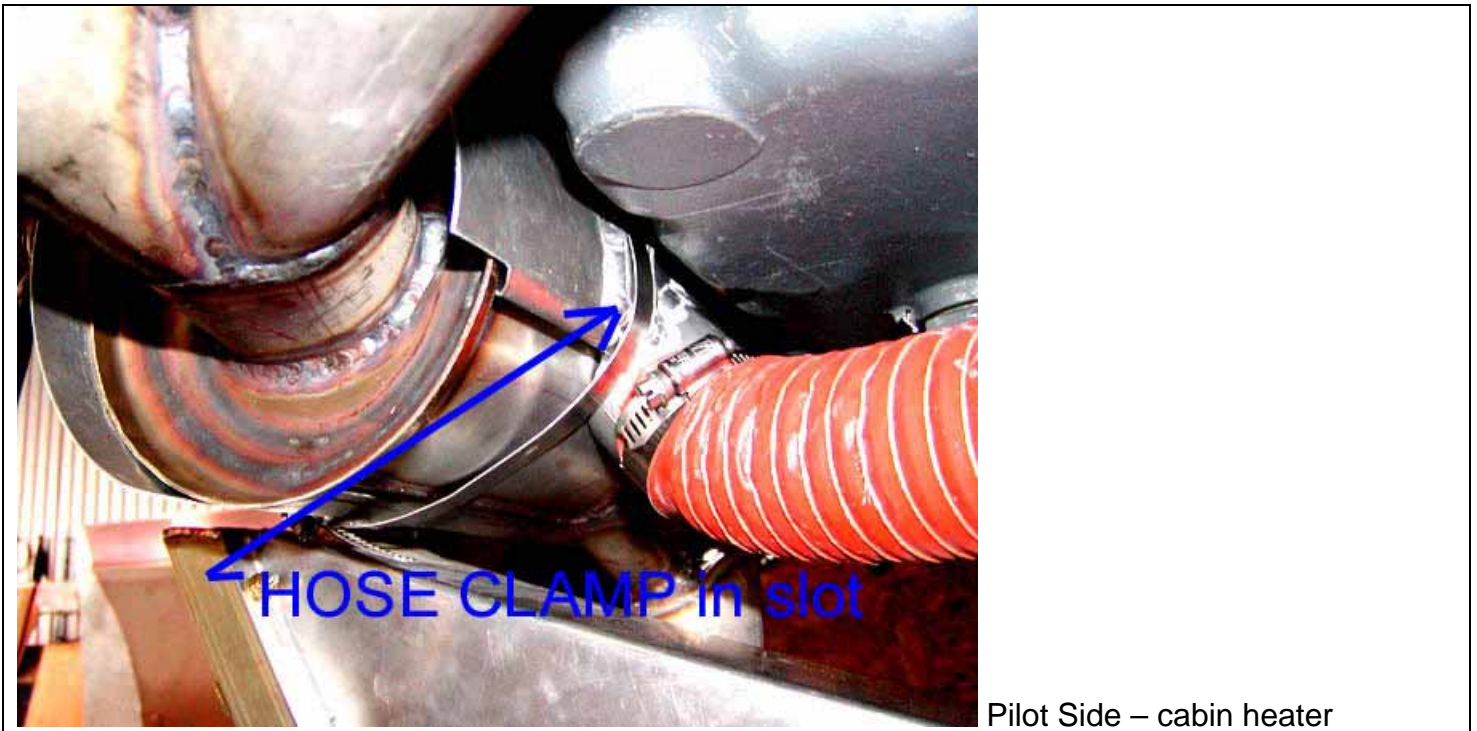


LONG LIFE CARBON MONOXIDE DETECTOR

No longer do you have to replace that Carbon Monoxide Detector every 28 days, the new Quantum Eye Carbon monoxide detector offers a minimum 18 months of sensor life.

Aircraft Spruce & Specialty P/N 09-35601

A - Installation procedure of "two piece" muffler cabin heat shroud:



- 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. Service Manual Table #1 Engine Section - #10: "Inspect the exhaust manifold for cracks (carb and cabin heat shroud removed). **150 HR INTERVALS** (Ref. AD-CF-90-03R2)"
- In the event that the "two piece" muffler heat shroud is not available, one can continue to fly the aircraft if the cabin heat system is disconnected. Fabricate and install a temporary placard by the cabin heat "push-pull" control cable, using 1/8-inch letters with the following words: "CABIN HEATER INOPERATIVE." Disconnect the cabin heat system by removing the 2 inch SCAT hose from the muffler shroud to the valve. The cabin heating system may be re-activated and the temporary placard removed, once the muffler "two-piece" cabin heat shroud is replaced in accordance with the above.
- Install the Quantum Eye CO detector on the instrument panel, so that the pilot can clearly see the detector.

Contact AMD for more information and for parts ordering.

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