



THIS BULLETIN IS FAA APPROVED FOR ENGINEERING DESIGN

SERVICE BULLETIN M20-281
Date: July 10, 2003

SUBJECT: Alternate Air Duct - Inspection for confirmation of configuration and subsequent replacement to new configuration.

MODELS/ S/N AFFECTED: M20M – S/N 27-0290 THRU 27-0316; and any S/N's, which may have had a Seamech original configuration alternate air duct installed as spare parts.

TIME OF COMPLIANCE: WITHIN THE NEXT 25 HOURS OF FLIGHT OPERATIONS OR AT NEXT SCHEDULED MAINTENANCE ACTION

INTRODUCTION: On one aircraft, the coiled wire inside the Alternate Air (rubber) Duct , P/N 0906913 (Seamech) has come loose at the end of the coil and is unwinding within the duct, inside wall. The vendor, Seamech, has re-designed the duct and re-identified it as P/N 0906913 (Rev. A).
The Seamech, original configuration, P/N 0906913, Alternate Air Duct must be replaced with the new P/N 0906913 (Revision A) configuration within the time frame stated above. If a Baxter Woodhouse & Taylor, P/N X6913, Alternate Air Duct is installed and has not deteriorated beyond visual serviceability criteria, it is an acceptable configuration and does not have to be replaced due to the criteria stated within this Service Bulletin.

INSTRUCTIONS:

1. Remove top and bottom cowling from aircraft.
2. Inspect the installed Alternate Air Duct for configuration identification. If the Seamech duct does not have (Rev. A) stamped/written adjacent to the P/N, the duct must be replaced.
3. Loosen hose clamps at both ends of the Alternate Air Duct, and remove the duct from the aircraft.
4. Replace with either a Baxter Woodhouse & Taylor, P/N X6913, or the Seamech, P/N 0906913 (Rev. A).
5. Install Duct and secure hose clamps at both ends.
6. Inspect entire engine compartment for obvious (visual) conditions of deteriorated or malfunctioning components.
7. Re-install bottom and top cowling onto aircraft.
8. Enter appropriate Log Book records to show compliance with SB-M20-281.
9. Return aircraft to service.

WARRANTY: If the Alternate Air Duct has been installed on the aircraft within the past 90 days (standard warranty) Mooney Airplane Company, Inc. will warrant up to 1.0 hour labor to inspect and replace the original configuration duct and return aircraft to service.

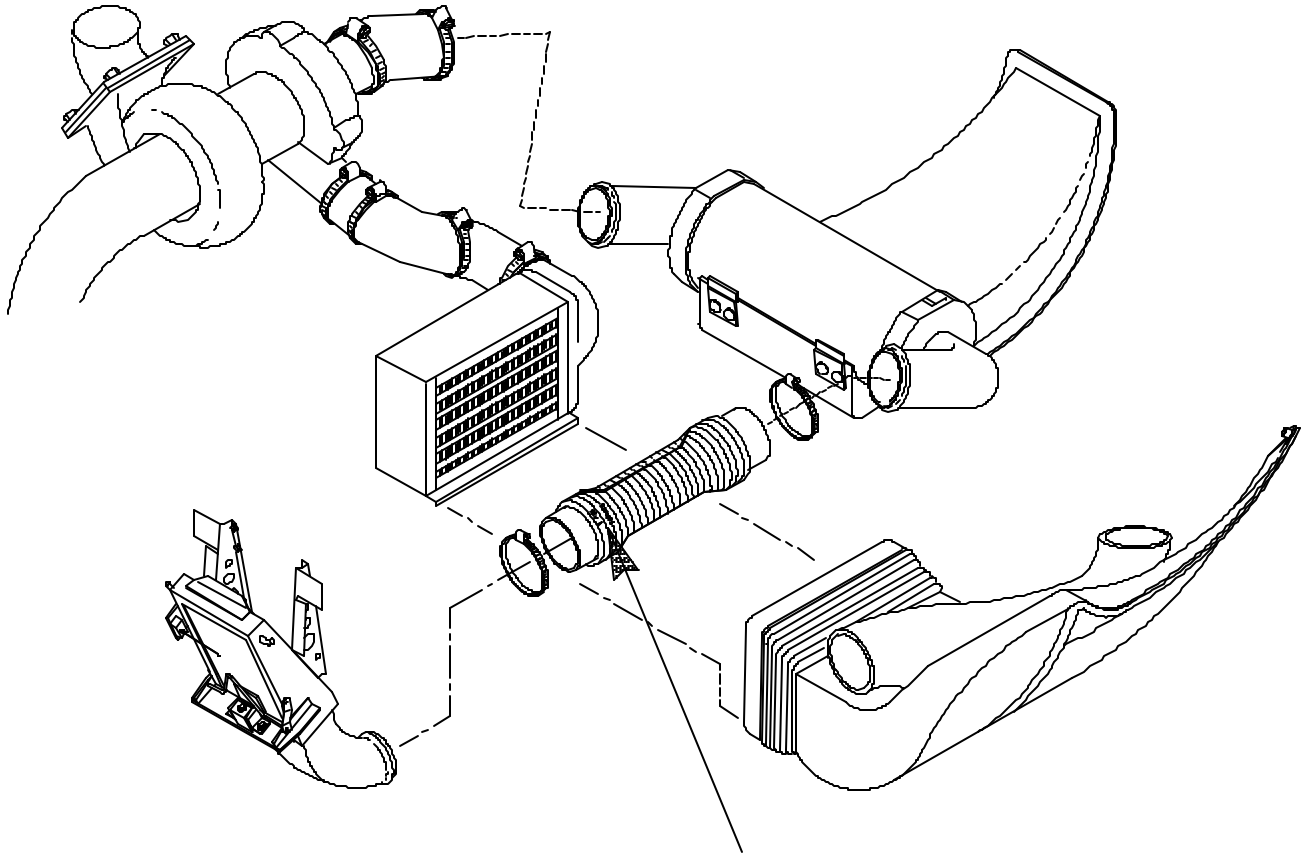
REFERENCE DATA: N/A

PARTS LIST: Service Bulletin Kit – P/N M20-281-001

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
1.	0906913 (Rev. A)	Duct, Alternate Air (Seamech)	1

FIGURE/TABLES: Refer to Figure SB M20-281-1 on following page.

FIGURE SB M20-281-1



SEAMEGH P/N (& Rev. A) MARKED ON DUCT AT RANDOM LOCATIONS