



**AERO ACCESSORIES, INC.  
SERVICE BULLETIN**

**SERVICE BULLETIN: SB-007**

**SUBJECT: Vacuum Manifold Inspection Procedure.**

**APPLICABILITY: Aero Accessories vacuum manifold models  
AA1H5-25, AA1H5-25A, & AP8-100-20**

**This Service Bulletin supersedes and replaces Service Letter 006 including all revisions.**



**AA1H5-25  
AA1H5-25A**



**AP8-100-20**

Part number AP8-100-20 is used by Aero Twin Inc. Kit No. AP8-100 in STC SA4626NM

**WARNING: Failure of the pneumatic system may result in the loss of the pneumatic powered gyro flight instruments.**

**Aero Accessories, Inc. manifolds are to be inspected five (5) years from date of entry into service, then at ten (10) years from date of entry into service. After 10 years from entry into service inspect at each annual inspection.**

**Inspect manifolds for functionality in accordance with the instructions provided in this document.**

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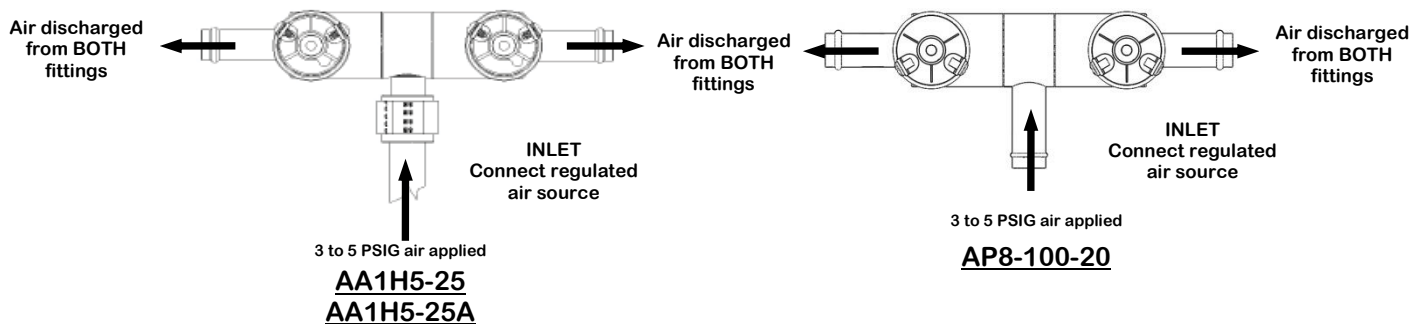
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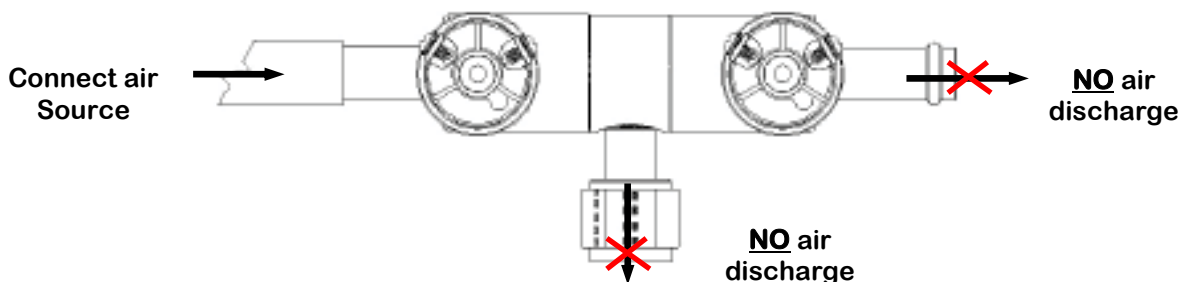
### APPLICABILITY: Aero Accessories vacuum manifold models AA1H5-25, AA1H5-25A, & AP8-100-20

#### Inspection Procedures:

1. If necessary for accessibility, remove the vacuum manifold assembly from the aircraft in accordance with the aircraft manufacturer's instructions.
2. Connect a hose from a regulated air source to the vacuum manifold's inlet fitting.  
(Reference Test Set-Up #1)



3. Apply air pressure of 3 to 5 PSIG and verify that air is released through both discharge fittings. If air flows from only one fitting block flow with finger to verify air will flow from other fitting. With either discharged fitting blocked air should flow from the other.
4. Disconnect the air source from the inlet fitting.
5. Connect the air source to one of the discharge fittings.



6. Apply 3 to 5 PSIG air pressure at one of the discharge fittings. Inspect for flow across the internal check valve by noting any flow out of the inlet fitting or the other discharge fitting. Any flow at either one of these locations is cause for replacement of the manifold assembly.
7. Remove the air source from the vacuum manifold's discharge fitting and connect it to the other discharge fitting. Repeat Step 6 to check the other check valve.
8. Remove the air source from the manifold assembly. If the manifold assembly passes the leakage test it may be returned to service. Manifolds failing the leakage test are to be replaced.
9. If removed from aircraft reinstall in accordance with aircraft manufacturer's instructions. Operate aircraft system to confirm that the engine driven and or aux pumps vacuum switches and indicators are functioning.

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