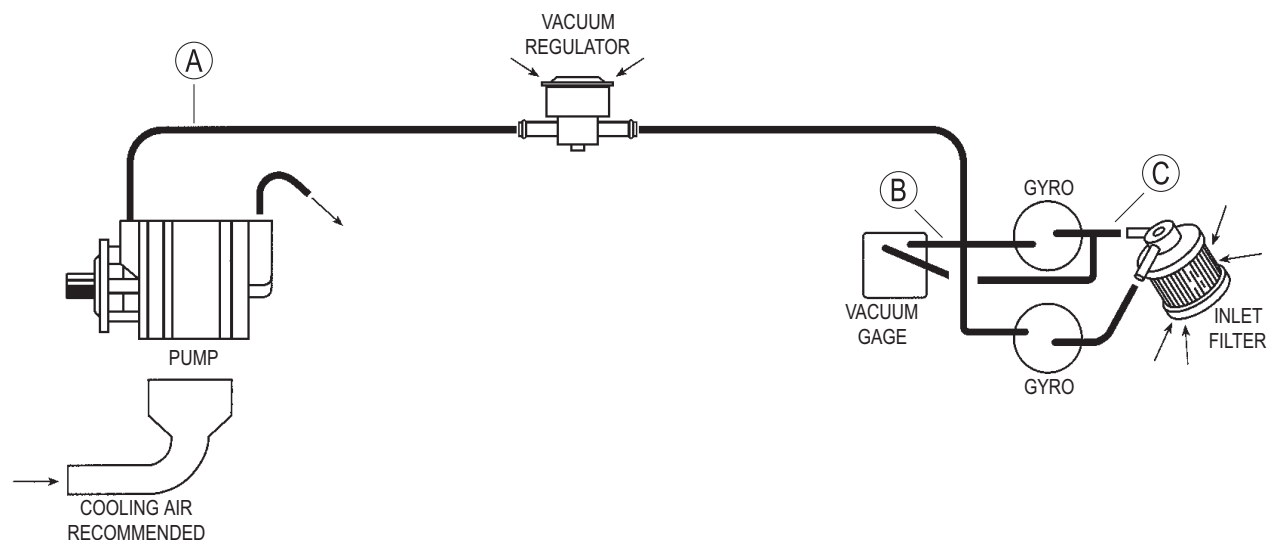


SINGLE ENGINE AIRCRAFT • VACUUM SYSTEM SINGLE AIR PUMP

Refer to: Airborne Pneumatic System Maintenance Manual, Page 23



Test Date: _____

Aircraft Owner: _____

Phone: _____

Aircraft Mechanic: _____

Phone: _____

Aircraft:

Make: _____

Registration: _____

Model: _____

Tach. Time: _____

Serial No.: _____

Air Pump:

Manufacturer: _____

Model No.: _____

Serial No: _____

Total Hours: _____

Technical Service Hotline
1-800-382-8422

(Page 1 of 3)

Airborne Division • Parker Hannifin Corporation

711 Taylor Street • Elyria, Ohio 44035 • 440 284-6215 • Fax: 440 284-6208

Email: techhelp@parker.com • Website: www.parker.com/ag/nad

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Instructions:

Perform all tests and follow all instructions in the order given in the Airborne Pneumatic System Maintenance Manual, Page 23. Test the complete system and record test data for each test point (T1) **before** performing any system maintenance. Review SUMMARY OF MANDATORY SERVICE INSTRUCTIONS FOR AIRBORNE PNEUMATIC COMPONENTS and replace all out of date components. The latest version of SUMMARY OF MANDATORY SERVICE INSTRUCTIONS FOR AIRBORNE PNEUMATIC COMPONENTS can be found on Airborne’s Website: www.parker.com/ag/nad. Repeat the test sequence and record test data for each test point (T2) **after** system maintenance is completed.

I. Test Check Record

Insert 1G31-1 Gage Probe in line at [B], install test equipment per instructions and perform all test procedure steps.

| | (Before Maintenance) | (After Maintenance) |
|---|----------------------|---------------------|
| 1. Record 1G31-1 Vacuum Gage reading. [B] | (T1) _____ In-Hg | (T2)_____ In-Hg |
| 2. Record instrument panel vacuum gage reading. | (T1) _____ In-Hg | (T2)_____ In-Hg |
| 3. Record 1H89-1 Ejector Vacuum Gage reading. [A] | (T1) _____ In-Hg | (T2)_____ In-Hg |
| 4. Insert 1G31-1 Gage Probe at [C]. Reading is: | (T1) _____ In-Hg | (T2) _____ In-Hg |
| 5. Remove test equipment from air pump circuit and reinstall the system suction hose on the pump. | | |



II. Inspection and Maintenance Record

Inspect systems, complete maintenance operations and record corrective actions. Refer to: Airborne Pneumatic System Maintenance Manual.

A. Vacuum Instrument System

| | | | | |
|------------------------|--|---------------|----------------|-----------------------|
| 1. Air pump condition: | Satisfactory [] | High Time [] | Overheated [] | Overhauled [] |
| | Oil or solvent contaminated [] | | | Replaced air pump [] |
| | (Caution: Oil or solvent contaminated pumps must be replaced). | | | |

| | | | | |
|-----------------------|------------------|---------------|--------------|--|
| 2. Air pump fittings: | Satisfactory [] | Tightened [] | Replaced [] | |
|-----------------------|------------------|---------------|--------------|--|

| | | | | |
|----------------------|------------------|--------------|--------------|---------------------|
| 3. Vacuum Regulator: | Satisfactory [] | Replaced [] | Adjusted [] | Replaced filter [] |
|----------------------|------------------|--------------|--------------|---------------------|

| | | | | |
|------------------|------------------|-------------|------------|-------------|
| 4. System hoses: | Satisfactory [] | Cracked [] | Kinked [] | Blocked [] |
|------------------|------------------|-------------|------------|-------------|

Replaced between: _____

| | | | | |
|-----------------|------------------|-----------|-------------|-------------------------|
| 5. Hose clamps: | Satisfactory [] | Loose [] | Missing [] | Installed/tightened [] |
|-----------------|------------------|-----------|-------------|-------------------------|

| | | | | |
|----------------------------------|------------------|--------------|--|--|
| 6. Instrument panel vacuum gage: | Satisfactory [] | Replaced [] | | |
|----------------------------------|------------------|--------------|--|--|

| | | | | |
|------------------------|------------------|--------------|--|--|
| 7. Gyro Inlet filters: | Satisfactory [] | Replaced [] | | |
|------------------------|------------------|--------------|--|--|

| | | | | |
|-----------------------------------|------------------|--------------|--|--|
| 8. Engine accessory pad oil seal: | Satisfactory [] | Replaced [] | | |
|-----------------------------------|------------------|--------------|--|--|

B. Repeat test checks and complete test check record (T2) to verify effective corrective action.

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(Page 3 of 3)

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