**SERVICE BULLETIN**

SB No. 122 Issue No. 1

## TITLE

DRY AIR PUMP COUPLING SERVICE LIFE LIMITATION

## CLASSIFICATION

This Service Bulletin has been classified Recommended by SAL to conform with Parker Airborne Division Products Service Letter 17B

COMPLIANCE As Required.

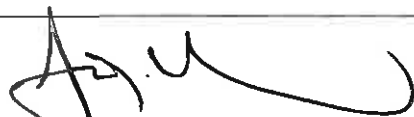
**APPLICABILITY:**

T67A, T67B, T67C Series, T67M, T67M-MkII, T67M200, T67M260 and T67M260-T3A.

Please find attached Parker Airborne Division Service Letter No.17B which is reprinted in its entirety.

Any further information or components required to comply with this letter should be obtained direct from Parker Airborne Division Products.

## ISSUED BY:

for and on behalf of **SLINGSBY AVIATION LIMITED**  
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Date 27 Aug 97

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No. 17B

16 August 1991 (Supersedes No. 17A dated 14 May 1985)

Subject: DRY AIR PUMP COUPLING SERVICE LIFE LIMITATION

Models Affected: All

Time of Compliance: As Required

Environmental conditions such as heat, solvents, oils, etc. can shorten the useful life of the urethane coupling. In order that air pump operation not be interrupted, we recommend the coupling assembly (including spline drive) be replaced every six (6) years with a new date-coded Airborne coupling assembly. This coupling can be easily replaced by any authorized mechanic. This feature is unique with the Airborne dry air pump. Coupling assemblies utilized in pumps and all spares manufactured after August 1, 1976, are date (year) stamped on the coupling face.

For coupling applications, use the following chart:

<u>Coupling Assembly</u>	<u>Pump Models</u>
Kit #350	200CC, 200CW, 201CC, 202CW, 205CC, 206CW 211CC* & 212CW* (includes all dash numbers)
Kit #351	220CC, 220CW, 221CC, 222CW, 223CC, 224CW, 231CC, 232CW, 241CC* & 242CW* (includes all dash numbers)
Kit #352	423CC, 424CW, 431CC, 432CW, 441CC* & 442CW* (includes all dash numbers)
Kit #353	831CC & 832CW
Kit #354	841CC* & 842CW*

211CC\* & 212CW\* pumps were first delivered in 1972; 241CC\* & 242CW\* in 1973; 441CC\* & 442CW\* in 1973; and 841CC\* & 842CW\* pumps were first delivered in 1976.

To determine pumps and couplings affected by this service letter, locate the product label on the pump back plate. Each pump is individually serialized and the age is defined by the first two (2), three (3), or four (4) digits. In the serial block, the numbers 1 through 12 (January through December), and the following letter or letter combination indicate the year of manufacture. For example, 6K denotes June, 1983 on the following chart:

**Technical Service Hotline:**  
**1-800-382-8422**



T = 1972	B = 1976	F = 1980	M = 1984	AD = 1988	AH = 1992
V = 1973	C = 1977	H = 1981	AA = 1985	AE = 1989	AJ = 1993
W = 1974	D = 1978	J = 1982	AB = 1986	AF = 1990	AK = 1994
A = 1975	E = 1979	K = 1983	AC = 1987	AG = 1991	AL = 1995

There may be an occasion when the label has been lost or obliterated. Starting in 1972, a year/quarter stamp was used and located on the back plate. For example, 2Q73, second quarter 1973, signifies the year of manufacture.

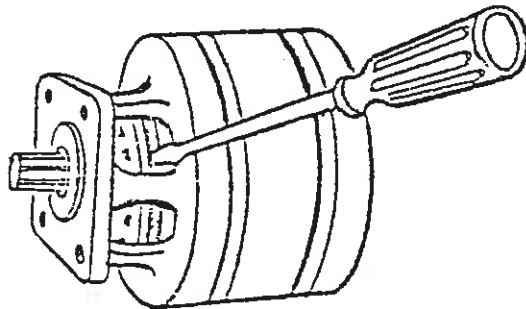
If the product label has been lost, obliterated, or for any reason the year of manufacture cannot be substantiated, replace the coupling assembly and attach the date tag furnished with the coupling kit.

PLEASE REVIEW THE AIRBORNE DRY AIR PUMP AND PNEUMATIC SYSTEM INSTRUCTION BOOKLET WHICH ACCOMPANIES THE COUPLING KIT FOR RECOMMENDED SYSTEM MAINTENANCE, TROUBLESHOOTING AND INSTALLATION PROCEDURES FOR YOUR AIRBORNE DRY AIR PUMP.

**Caution:** Couplings that have sheared should not be replaced since this may indicate a system problem which may have caused pump damage.

### COUPLING REMOVAL AND INSTALLATION

1. Remove inlet and discharge hoses from pump fittings.
2. Inspect hoses for brittleness, deterioration, oil contamination, etc.; replace as needed.
3. Remove four (4) 1/4 x 28 pump mounting nuts and washers. Remove pump.
4. Clean off all traces of mounting gasket from engine pad and pump mounting face.
5. Replace AND 20000 drive shaft seal in engine if found leaking.
6. Using a screwdriver or similar tool, remove the coupling assembly (2-piece) from pump.



7. Push new coupling assembly over the drive pins as far as it will go.
8. Place new gasket over four (4) mounting studs and re-install pump. Torque the four (4) 1/4 x 20 nuts evenly to 70 inch pounds.
9. Re-install hose as removed in Step 1.
10. Install date tag around inlet fitting, positioned for date verification.
11. Record compliance with Airborne Service Letter No. 17B in engine log.