



CLASS I SERVICE INSTRUCTIONS

19, 23, 24, 33, 35, 36, 55, 58, 95

No. 0933
ATA Code 37-00

Kit No. 55-9012-1 S
Kit No. 55-9012-5 S

SUBJECT: VACUUM SYSTEM - SERVICE LIFE LIMITATION OF AIRBORNE DRY AIR PUMPS

EFFECTIVITY: The following airplanes which may have Airborne P/N 113A, 200CC or 200CW air pumps installed which were manufactured prior to 1966.

BEECHCRAFT A23-19, serials MB-1 through MB-288;
23, A23, A23A, serials M-2 and M-4 through M-1068;
A23-24, serials MA-1 through MA-272;

Bonanza E33 and F33, serials CD-1119 through CD-1243;
35-C33A, E33A and F33A, serials CE-135 through CE-235, CE-249, CE-250, CE-256,
CE-260, CE-264 through CE-268 and CE-270 through CE-297;

E33C and F33C, serials CJ-1 through CJ-27;

S35, V35, V35-TC, V35A, V35A-TC, V35B and V35B-TC, serials D-7920 through D-7925,
D-7927, D-7929 through D-7931, D-8381 through D-9060, D-9062 through D-9099, D-9101
through D-9104 and D-9106 through D-9114;

36 and A36, serials E-1 through E-183, E-185 through E-196 and E-198 through E-202;

Baron D55, D55A, E55 and E55A, serials TE-452 through TE-772, TE-774 through TE-787,
TE-789 and TE-790;

58 and 58A, serials TH-1 through TH-8;

Travel Air E95, serials TD-708 through TD-721;

And any of the above airplane model series other than the serials noted that have replaced the dry air pumps with new or serviceable P/N 113A, 200CC or 200CW Airborne pumps which were manufactured prior to 1966;

All Airborne P/N 113A, 200CC and 200CW Airborne pumps in Parts and Service Outlet's stock.

REASON: Service life limitations have expired on all Airborne P/N 113A, 200CC and 200CW dry air pumps which were manufactured prior to 1966.

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Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections, and modifications that could affect safety. The factory considers compliance mandatory. CLASS II (Green Border) covers changes, modifications, improvements or inspections the factory feels will benefit the owner and although highly recommended, they are not considered mandatory compliance, unless specified at the time of issuance. Class I and II are mailed to:

- (a) BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers.
- (b) Owners of record on the FAA Registration list and the

BEECHCRAFT International Owner Notification Service List.
(c) Those having a publications subscription.

CLASS III (No Border) covers changes which are optional, maintenance aids, product improvement kits and miscellaneous service information. Compliance is at the owner or operator's prerogative. Copies of Class III are distributed per a and c above. Information on Owner Notification Service or Subscriptions can be obtained through any BEECHCRAFT Aero or Aviation Center, International Distributor and Dealer, or the Factory. As Service Instructions are issued, temporary notation in the index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Instructions and in accordance with Beech Warranty Policy.

98-34239D



CLASS I

Service Instructions No. 0933

COMPLIANCE: Beech Aircraft Corporation considers this to be a mandatory inspection and it should be accomplished within 25 service hours after receipt of these Service Instructions or at the next annual inspection, whichever occurs first. FAA AD 76-16-02, Amendment 39-2685 or subsequent, has been issued on this subject.

DESCRIPTION: All Airborne P/N 113A, 200CC and 200CW dry air pumps as specified under EFFECTIVITY are to be inspected for serial numbers which indicate manufacture prior to 1966. Any of these pumps which are found with serial numbers prior to 1966 (listed in ACCOMPLISHMENT INSTRUCTIONS) are to be replaced with new pumps.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours for inspection: .5 hours.
Estimated man-hours for replacement: 2.5 hours per pump.
Suggested number of men: 1 man.

MATERIAL: The following replacement pumps, if required, are available through your BEECHCRAFT Parts and Service Outlet. The kits listed below for Bonanzas and Barons contain new light weight pumps and cooling ducts. These kits were originally made available on Service Instructions No. 0646-190.

MODEL	OLD P/N	NEW P/N	DESCRIPTION	QUANTITY
A23-19, 19A, M19A, B19, 23, B23, C23, A23-24, A24, A24R, B24R, C24R	113A or 200CC	200CC	Pump	1 per airplane
A23 & A23A	200CW	212CW	Pump	1 per airplane
Bonanzas	200CW	55-9012-1 S	Kit, Pump and cooling duct instl.	1 per airplane
Barons	200CW	55-9012-5 S	Kit, Pump and cooling duct instl.	2 per airplane
E95	200CC	200CC	Pump	2 per airplane

The value of the parts required to incorporate these Service Instructions on one airplane is to be advised. Prices, when issued, will be subject to change without notice.

WARRANTY: None.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: The empty weight and C.G. of your airplane is changed by the amount shown below for the kits applicable to Bonanzas and Barons only:

KIT NO.	MODEL	WEIGHT (lbs.)	ARM (ins.)	MOMENT (lbs. ins.)
55-9012-1 S	33 and 35	-2	41	-82
	36 and A36	-2	31	-62
55-9012-5 S	Barons	-4	56	-224

The owner or operator is responsible to maintain compliance with FAR 23.25/CAR 3.74.

REFERENCES:

FAA A.D. 76-16-02, Amendment 39-2685 or subsequent.

Airborne Manufacturing Co. Service Letter No. 16, dated January 29, 1976 or subsequent.

PUBLICATIONS AFFECTED:

It is recommended that a note to "See Service Instructions No. 0933" be made in the following:

Bonanza 33 through E33A Parts Catalog copies, P/N 33-590011-3D or subsequent, Figure 59;

Bonanza F33, F33A, F33C and G33 Parts Catalog copies, P/N 33-590010-7C or subsequent, Figure 194;

Bonanza H35 through V35A Parts Catalog copies, P/N 35-590015-9C or subsequent, Figure 64C;

Bonanza V35B Parts Catalog copies, P/N 35-590102-5B or subsequent, Figure 194;

Bonanza 36 and A36 Parts Catalog copies, P/N 36-590001-1C or subsequent, Figure 194;

Baron 55 through D55 (serials TC-1 through TC-1607 and TE-1 through TE-767) Parts Catalog copies, P/N 55-590000-15D or subsequent, Figure 61A;

Travel Air 95 series Parts Catalog copies, P/N 95-590018B or subsequent, Figure 49C.

ACCOMPLISHMENT INSTRUCTIONS:

All Airborne P/N 113A, P/N 200CC and P/N 200CW vacuum pumps which were factory installed or were installed as replacements in service, or are presently stocked in Parts and Service Outlets are to be inspected to determine if they were manufactured prior to January 1966. Listed below are the serial numbers which indicate manufacture prior to 1966. Any of the subject vacuum pumps which bear serial numbers that fall in the sequence indicated in the following list are to be removed and replaced with new vacuum pumps which were manufactured from January 1966 and after, and are not service life limited.

PUMP MODEL	YEAR	SERIAL NUMBERS
113A	1960	1D1 through 12D1199 inclusive
	1961	1E1 through 12E2288 inclusive
	1962	1F1 through 12F3411 inclusive
	1963	1G1 through 12G4230 inclusive
	1964	1H1 through 12H1688 inclusive
	1965	1J1 through 12J210 inclusive
200CC, 200CW	1963	5G43 through 12G903 inclusive
	1964	1H1 through 12H5623 inclusive
	1965	1J1 through 12J9397 inclusive

RECORD COMPLIANCE:

Upon completion of these Service Instructions, make an appropriate maintenance record entry.