



CLASS I SERVICE INSTRUCTIONS

19, 23, 60, 200

No. 0998
ATA Code 71-00

SUBJECT: POWER PLANT - INSPECTION AND/OR REPLACEMENT OF HOSE ASSEMBLIES

EFFECTIVITY: BEECHCRAFT B19 Sport 150, serials MB-844 through MB-890;
C23 Sundowner 180, serials M-1935 through M-2015, M-2017 through M-2029 and M-2031 through M-2038;
Duke B60, serials P-421 through P-478;
Super King Air 200, serials BB-248 through BB-364 and BB-371;
And all spare P/N 169-910002-21, 169-910003-27, 96-910004-57 and 330996F-8-0140 hose assemblies which were shipped from Beech Aircraft Corporation from March 1, 1977 through May 25, 1978.

NOTE

The 330996F-8-0140 hose assemblies are also contained in Kit No. 101-9003-1 S.

REASON: Some flexible hose fittings made by the Deutsch Company have been found to be unsatisfactory. Hoses with these fittings should be replaced.

COMPLIANCE: Beech Aircraft Corporation considers this to be a mandatory inspection and/or modification and it should be accomplished as soon as possible after receipt of these Service Instructions, but no later than the next 10 service hours.

APPROVAL: FAA Approved DOA CE-2.

MANPOWER: The following information is for planning purposes only:

B19 Sport 150 and C23 Sundowner 180

Estimated man-hours for inspection: .5 hour.
Estimated man-hours to replace hose assembly: 1.5 hours.

Duke B60

Estimated man-hours for inspection: .5 hour.
Estimated man-hours to replace one hose assembly: 1 hour.

Super King Air 200

Estimated man-hours for inspection: .5 hour.
Estimated man-hours to replace one hose assembly: 1 hour.

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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.

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Service Instructions No. 0998

Suggested number of men: 1 man.

MATERIAL:

The following parts, if required, may be ordered through a BEECHCRAFT Aero or Aviation Center. The value of the parts required for the incorporation of these Service Instructions on one airplane is to be advised. Prices, when issued, will be subject to change without notice.

PART NUMBER	DESCRIPTION	QUANTITY PER AIRPLANE
169-910002-21	Hose Assembly	1
169-910003-27	Hose Assembly	1
96-910004-57	Hose Assembly	2
330996F-8-0140	Hose Assembly	2

WARRANTY:

Warranty credit for parts replacement and labor to the extent noted under MATERIAL and MANPOWER will be allowed on all affected airplanes.

All warranty reimbursements are handled through franchised BEECHCRAFT outlets. Owners and operators may arrange with these outlets to perform the work and submit the standard Beech Aircraft Corporation warranty claim form to the Commercial Service Department, Beech Aircraft Corporation, Wichita, Kansas 67201.

SPECIAL TOOLS:

None.

WEIGHT AND BALANCE:

None.

REFERENCES:


BEECHCRAFT 19, 23 and 24 Shop Manual, P/N 169-590015F or subsequent;
Duke 60, A60 and B60 Maintenance Manual, P/N 60-590001-25 or subsequent;
Super King Air 200 Maintenance Manual, P/N 101-590010-19 or subsequent.

PUBLICATIONS AFFECTED:

None.

ACCOMPLISHMENT INSTRUCTIONS:

The following installations may have hoses with hose fittings made by the Deutsch Company. Some of these fittings have been found to be unsatisfactory. Inspect the following hoses and if Deutsch Company 45 or 90 degree hose fittings are found (see Figure 1.) install new hoses.

The Deutsch Company hose fittings can be identified by the  markings stamped on one surface of the nut.

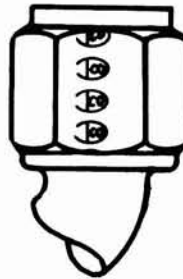


Figure 1.

B19 Sport 150 and C23 Sundowner 180

1. Remove the engine cowling to gain access to the engine. The P/N 169-910002-21 or 169-910003-27 hose assembly is located between the oil cooler and the accessory housing and has a 90 degree fitting on the oil cooler end.
2. Inspect the 90 degree fitting to determine if it was made by the Deutsch Company (see Figure 1.).
3. If the fitting was not made by the Deutsch Company continue with step 4. If the fitting was made by the Deutsch Company remove the hose assembly and replace with a new P/N 169-910002-21 or 169-910003-27 hose assembly.

NOTE

The new hose assembly should be leak checked before the airplane is put back in service.

4. Reinstall the engine cowling.

Duke B60

1. The P/N 96-910004-57 hose assembly is located between the firewall and the engine-driven fuel pump in each nacelle. The 45 degree fitting is on the fuel pump end of the hose assembly. Access is gained through the right cowl door on each engine.
2. Inspect the 45 degree fitting to determine if it was made by the Deutsch Company (see Figure 1.).
3. If the fitting was not made by the Deutsch Company continue with step 4. If the fitting was made by the Deutsch Company remove the hose assembly and replace with a new P/N 96-910004-57 hose assembly.

NOTE

Care should be taken not to loosen the MS20822-8B elbow in the inlet side of the fuel pump. Anytime the elbow is loosened or removed, it should be replaced with a new part.

The new hose assembly should be leak checked before the airplane is put back in service.

4. Repeat steps 1 through 3 on the other nacelle.

Super King Air 200

1. The P/N 330996F-8-0140 hose assembly is located on the aft left side of the upper forward cowling between the engine oil drain port and the engine oil drain shut-off valve. The 45 degree fitting is on the engine oil drain port end of the hose assembly.
2. Inspect the 45 degree fitting to determine if it was made by the Deutsch Company (see Figure 1.). If the fitting was not made by the Deutsch Company continue with step 6. If the fitting was made by the Deutsch Company continue with step 3.
3. Refer to the Super King Air Maintenance Manual, Chapter 12-10 for instructions on draining and servicing the engine oil and drain the engine oil.
4. Remove the hose assembly and replace with a new P/N 330996F-8-0140 hose assembly.
5. Refer to the Maintenance Manual for refilling and leak checking the engine oil system.
6. Repeat steps 1 through 5 on the other engine.

RECORD COMPLIANCE:

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