

76EM8S5-0-62	26714K	Fixed pitch	2791	13-Jun-01
76EM8S10-0-62	27114K	Fixed pitch	2867	01-Aug-01
76EM8S5-0-62	27651K	Fixed pitch	4007	15-Mar-02
76EM8S14-0-60	28769K	Fixed pitch	4149	11-Jun-02
76EM8S5-0-60	30364K	Fixed pitch	2767	04-Jun-01
76EM8-0-60	41649K	Fixed pitch	2939	18-Sep-01
74DM6-0-56	A43974	Fixed pitch	2745	21-May-01
74DM6-0-58	A44432	Fixed pitch	4129	30-May-02
74DM6-0-60	A45853	Fixed pitch	4200	16-Jul-02
74DM6-0-60	A47606	Fixed pitch	4139	05-Jun-02
74DM6-0-60	A48300	Fixed pitch	2592	09-Feb-01
74DM6-2-64	A51317	Fixed pitch	2666	04-Apr-01
M69CK-0-52	K1150	Fixed pitch	4209	22-Jul-02
M74DM-0-56	K12256	Fixed pitch	4072	24-Apr-02
72CKS12-0-52	K3278	Fixed pitch	2914	30-Aug-01
74DM6-0-58	K33644	Fixed pitch	2845	16-Jul-01
74DM6S5-0-54	K34229	Fixed pitch	4091	08-May-02
74DM6-2-62	K36552	Fixed pitch	3002	01-Nov-01
74DM6S5-0-54	K37994	Fixed pitch	4320	10-Sep-02
74DM6-0-58	K39012	Fixed pitch	4107	16-May-02
69CKS12-0-50L	K6518	Fixed pitch	2561	29-Jan-01
M74DM-0-58	K6931	Fixed pitch	4132	25-May-02

BILLING CODE 4910-13-C**Unsafe Condition**

(d) This AD is prompted by the results of a National Transportation Safety Board (NTSB) investigation of a failed propeller blade and subsequent inspections of various propeller models returned to service by T and W Propellers, Inc. We are issuing this AD to detect unsafe conditions that could result in separation of a propeller blade and loss of control of the airplane.

Compliance: (e) If you have not already performed the actions required by this AD, you must perform the actions within the compliance times specified in this AD.

Required Actions

(f) For propellers listed in Table 1 of this AD, that have been overhauled since being returned to service by T and W Propellers, Inc by an authorized repair station other than T and W Propellers, Inc., no further action is required.

Propellers With Fewer Than 10 Hours Time-in-Service (TIS) Since Return to Service

(g) Before further flight, perform the actions specified in paragraph (h) of this AD on propellers listed in Table 1 of this AD, that have fewer than 10 hours time-in-service (TIS) since return to service by T and W Propellers, Inc. You can find information on performing the actions in the applicable propeller manufacturer's service documentation.

(h) Perform the following actions:

- (1) Disassemble,
- (2) Clean,
- (3) Inspect for the following:
 - (i) Cracks,
 - (ii) Corrosion,
 - (iii) Nicks,
 - (iv) Scratches,
 - (v) Blade minimum dimensions,
 - (vi) Chemical conversion coat or paint or both applied over corrosion,
 - (vii) Lack of chemical conversion coating,
 - (viii) Lack of paint on internal surfaces,
 - (ix) Bolts incorrectly torqued,
 - (x) Incorrect parts,
 - (xi) Incorrect installation of parts,

(xii) Reinstallation of parts intended for one-time use, and

(xiii) Lack of proper shot peening.

(4) Repair and replace with serviceable parts, as necessary,

(5) Reassemble and test.

Propellers With 10 Hours or More TIS Since Return to Service

(i) Within 10 hours TIS after the effective date of this AD or one year after the effective date of this AD, whichever is earlier, perform the actions specified in paragraph (h) of this AD on propellers listed in Table 1 of this AD, that have 10 hours or more TIS since return to service by T and W Propellers, Inc. You can find information on performing the actions in the applicable propeller manufacturer's service documentation.

Required Actions Before Installation

(j) After the effective date of this AD, do not install any propeller that has a SN listed in Table 1 of this AD returned to service by T and W Propellers, Inc. unless you have performed paragraph (h) of this AD on the propeller.