

ROBINSON HELICOPTER COMPANY

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SERVICE LETTER #38

DATE: 22 March 1991

TO: All R22 Owners and Service Centers

SUBJECT: Black & White Paint Scheme for Tail Rotor Blades

ROTORCRAFT AFFECTED: All R22 Helicopters with Black and Yellow Tail Rotor Blades

BACKGROUND: The helicopter industry is standardizing on black and white stripes as the most conspicuous color scheme for helicopter tail rotor blades. RHC recommends that R22 owners with yellow and black tail rotor blades have them repainted in accordance with this service letter at the earliest practical date.

COMPLIANCE PROCEDURE:

Paint tail rotor blades with black and white stripes as follows:

1. Remove tail rotor hub and blade assembly per Maintenance Manual Section 9.210.
2. Mask hub & root end of blades out to 14.00 inches from blade tips.
3. Thoroughly wipe blades with mineral spirits or DuPont Prep-Sol 3919S. Care should be taken to remove all grease, oil, wax, dirt, etc. to insure paint adhesion.
4. Sand blade surfaces with 180 grit or finer sandpaper until a uniform matte finish is achieved.
5. Wipe again with mineral spirits or Prep-Sol on clean cloth to remove all sanding dust.

NOTE: Approved primer and paint are listed in Maintenance Manual Section 9.130

6. Prime blades with two coats of epoxy primer. Allow first coat to dry to touch before applying second coat. If 8 hrs. is exceeded between coats, scuff blade surfaces with 320 grit or Scotch-Brite pad and wipe with tack rag before second coat.
7. Allow primer to air dry for 12 to 24 hrs. then paint blade skins white.

(over)

8. After 12 to 24 hrs. air dry, mask off areas to remain white stripes (see Figure I) and then paint black.
9. Remove masking tape, reinstall and balance tail rotor assy per Maintenance Manual Section 9.212.

