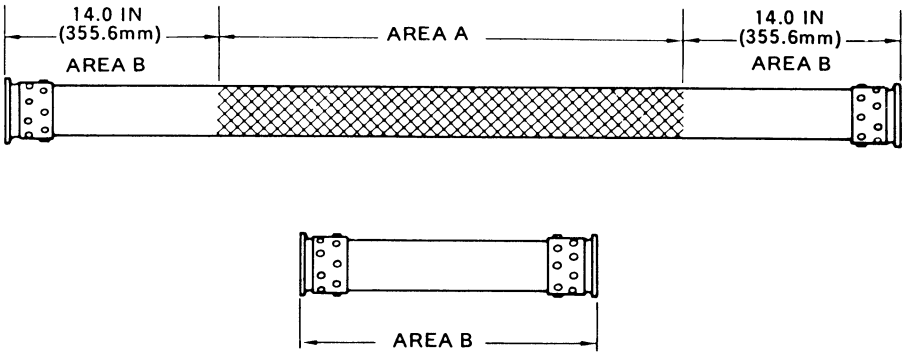

DAMAGE LOCATION SYMBOLS

AREA A ▨ AREA B ▭

TYPE OF DAMAGE	MAXIMUM DEPTHS AND REPAIR AREAS ALLOWED AFTER POLISHING OUT	
	AREA A	AREA B
CRACKS ALLOWED	See Note 6	See Note 6
NICKS AND SCRATCHES	0.008 Inch (0.203 mm)	0.012 Inch (0.304 mm)
SHARP DENTS	0.010 Inch (0.254 mm)	0.015 Inch (0.381 mm)
NONSHARP DENTS	0.020 Inch (0.508 mm)	0.030 Inch (0.762 mm)

NOTES

1. Damage defined on the chart above is acceptable if repaired as follows:
   a. Damage is polished out with fine abrasive cloth with minimum radius of 0.5 inch (12.70 millimeters) and with surface finish of 32 RMS or better.
   b. Maximum depth after rework does not exceed limits shown in chart.
   c. Reworked area is treated for corrosion prevention.
   d. If rework area is eight square inches more on one side than the other, shaft balance must be checked.

2. Loss of one or more balance weights is cause to replace driveshaft. One empty bonding space should be open where bond test coupon was removed. If more than one empty space is observed, replace driveshaft.

3. Damaged curvic coupling splines that result in radial play and/or backlash between assembled couplings when fully meshed without clamps are not acceptable.

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Figure 65-2. Damage limits - tail rotor driveshaft (sheet 1 of 2)

4. Grooves worn on shaft coupling by clamp to extent that wear prevents proper clamping are cause to replace driveshaft.

5. If tail rotor driveshaft distortion is suspected, support driveshaft on "V" blocks and measure run out. Maximum acceptable total indicator reading on long shafts is 0.050 inch (1.27 millimeters). Maximum acceptable total indicator reading on short shaft is 0.020 inch (0.508 millimeters). Do not attempt to straighten driveshaft.

6. Any crack in a driveshaft is cause to replace the affected driveshaft except cracks in rivet heads are acceptable if they do not exceed the following limits:
   a. Cracks are approximately radial when viewing top of shop head.
   b. No crack extends into an area with a diameter less than 1.25 diameters of rivet shank.
   c. Cracks do not intersect.
   d. The minimum distance between cracks is less than one shank diameter.
   e. A maximum of 3 such cracks.
   f. Crack width does not exceed 0.06 inches (1.52 millimeters) times rivet shank diameter.
   g. Maximum or ten percent of rivet shop heads may have cracks within above limits.

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Figure 65-2. Damage limit - tail rotor driveshaft (sheet 2)