

1.102 Additional Component Maintenance (continued)

B. 2200 Hours (continued)

Part Number	Description	Action
A947-1	Flex Plate Assembly – Forward	Replace with new.
A947-2	Flex Plate Assembly – Intermediate	Replace with new.
A947-3	Flex Plate Assembly – Aft	Replace with new.
B021-1	Tail Rotor Gearbox Assembly	Replace with new or overhaul exchange.
B173-1	V-belt – Alternator	Replace with new.
B174-1	Fanwheel (Rev J or subsequent)	Replace with new or overhaul exchange.
B224-1	Tail Rotor Drive Shaft	Replace with new.
B224-3	Tail Rotor Drive Shaft	Replace with new.
B283-1	Hose Assembly (fuel system)	Replace with new.
B283-2	Hose Assembly (fuel system)	Replace with new.
B283-6	Hose Assembly (fuel system)	Replace with new.
B286-2	Governor Controller	Replace with new or overhaul exchange.
B350-2	Pin – Spring (fanshaft nut)	Replace with new.
C636-2	Support (O-360 engine)	Replace with new.
C649-1	Oil Cooler	Replace with new or overhaul exchange.
D756-2 (or A011-2)	Bellcrank Assembly – Throttle	Replace with new.
F628-8	Buckle Assembly	Replace with new.
KI-217-1	R22 Bladder Fuel Tank Installation Kit	Required for helicopter S/N 0002 thru 4620 per R22 SB-109, if not previously accomplished.
KI-2207	A017-1 Swashplate Installation Kit	Replace existing parts with kit parts.
KI-2208	R22 A057-2 Airbox Assembly Installation Kit	Required for helicopter S/N 2571M thru 2664 if not previously accomplished.
AN320-18	Nut – Fanshaft	Replace with new.
MS16562-15	Pin – Spring	Replace with new.
MS20002-18	Washer	Replace with new.
NAS1149F1832P	Washer	Replace with new.
NAS630-80	Bolt	Replace with new.
NAS6604-38	Bolt	Replace with new.

2.410 Inspection Procedures and Checklist (continued)**8. Remove Tailcone Fairing (8) (continued)**

Actuator Lower Bearing Lubrication: Perform as required.

Lower Bearing Brackets: Refer to Figure 2-4D. Visually inspect A185 brackets and attaching rivets for evidence of fretting or looseness. If evidence of looseness is found repair per R22 SL-74A. On lower A185 bracket, apply torque seal in a horizontal stripe across both outboard rivets to lower scroll to facilitate future inspections.

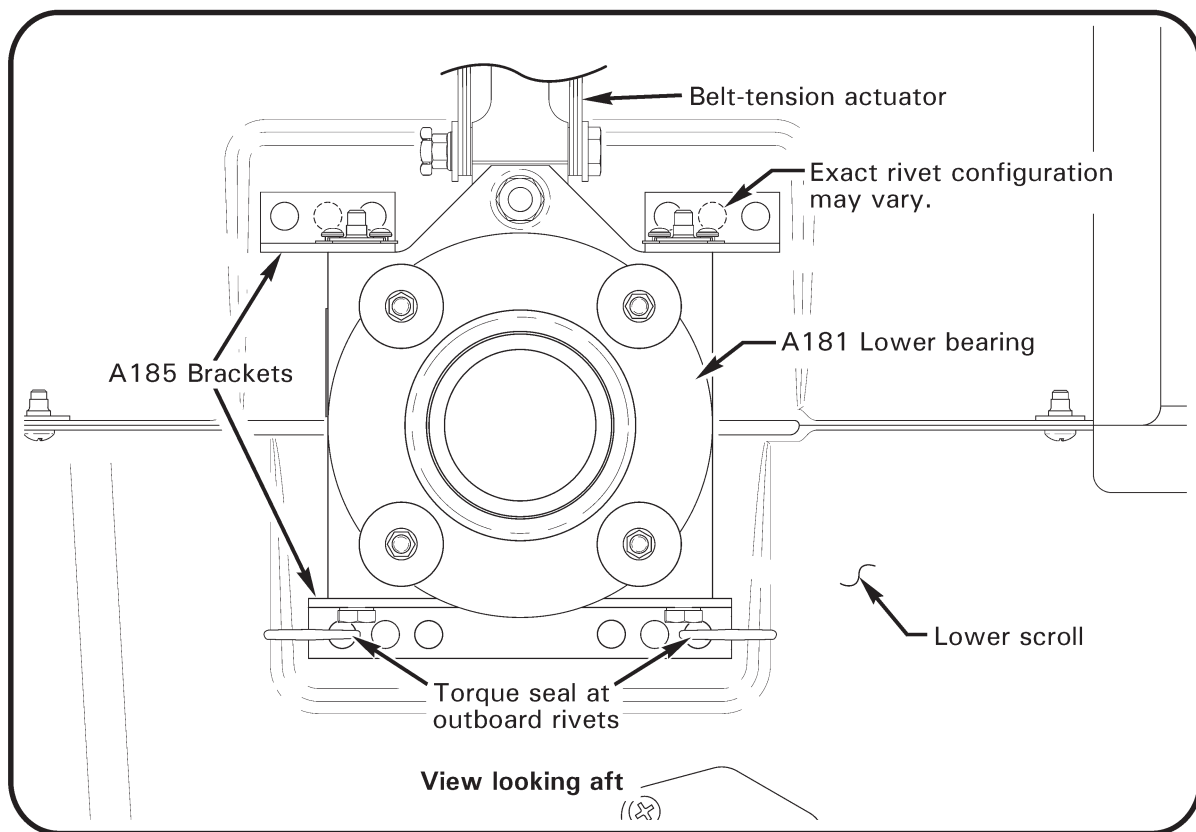


FIGURE 2-4D ACTUATOR LOWER BEARING A185 BRACKETS

Fiberglass Scroll: Inspect condition. Verify no damage to vane assembly in upper right scroll. Verify security. Verify drain hole is unobstructed.

Scroll Metal Inlet Lips & Gap (if installed): Inspect condition. Verify 0.020 to 0.100 inch gap between lips and fanwheel inlet. (Attach holes in lips may be elongated to facilitate gap adjustment.)

Fanwheel Assembly: Inspect condition. Verify no cracks or corrosion. Check leading edge of vanes for damage. Verify alignment of roll pin and slippage marks on fanwheel. If marks and roll pin do not align, remove fanwheel and inspect hub and shaft for damage. Verify security.

2.600 2200-Hour/12-Year Inspection

NOTE

KI-2202 (for R22-series Helicopter S/N 2570 & prior) and KI-2203 (for R22-series Helicopter S/N 2571 & subsequent) 2200-Hour Inspection Kit contents are available online at www.robinsonheli.com for review.

NOTE

12-Year Inspection is only required for helicopters that have accumulated 12 years in service and less than 2200 hours time in service since new, since last 2200-hour inspection, or since last 12-year inspection.

1. Refer to helicopter maintenance records and § 3.300; replace life-limited parts, or next higher assemblies, as required.
2. Refer to helicopter maintenance records and § 1.102; perform additional component maintenance, as required.
3. Remove engine, engine cooling panels, fanwheel, scroll, air induction system, carburetor heat system, oil lines, and all hoses. Overhaul or inspect, as required, magnetos, alternator, and carburetor per appropriate manufacturer's maintenance publications and service bulletins.
4. Remove horizontal and vertical stabilizers per § 4.320, and replace as required. If replacement is not required, visually inspect stabilizers and verify no cracks, corrosion, loose rivets, dents, or deformation. Fluorescent penetrant inspect any suspect areas per § 23-42. Install stabilizers per § 4.320.
5. Remove landing gear assembly per § 5.100, and replace as required. If replacement is not required, completely disassemble gear and remove paint. Visually inspect parts and verify no cracks, corrosion, or deformation. Magnetic particle and fluorescent penetrant inspect per §§ 23-41 and 23-42. Clean, prime, and paint per § 23-60. Assemble gear if disassembled. Install landing gear assembly per § 5.100.
6. Remove steel tube frames per § 4.200, and replace as required. If replacement is not required, remove paint. Visually inspect frames and verify no cracks or corrosion. Magnetic particle inspect per § 23-41. Clean, prime, and paint per § 23-60. Install frames per § 4.200.
7. Remove cyclic stick per § 8.110. Remove wiring harness. Remove paint via dry media blasting. Visually inspect and verify no cracks or corrosion. Magnetic particle inspect per § 23-41. Clean, prime, and paint per § 23-60. Install wiring harness. Install cyclic stick per § 8.110.