

1.102 Additional Component Maintenance

NOTE

RHC-manufactured parts not listed in § 1.102 as requiring additional component maintenance, or replacement per § 3.300, are “on condition”.

A. 12 YEARS

Remove the following components when they have accumulated 12 years time in service and less than 2200 hours time in service since new, since last overhaul, or since last 12-year maintenance, and perform action indicated:

Part Number	Description	Action
A005-4	A154-1 Main Rotor Hub & Bearing Assembly	Perform inspection and repair per MM § 2.610, return to RHC for inspection and repair, or replace with new.
A005-12	B370-1 Main Rotor Hub & Bearing Assembly	
A005-6	A016-4 Main Rotor Blade & A158-1 Spindle Assembly	Submit to RHC-authorized component maintenance facility for 12-year maintenance, or replace with new or overhaul exchange. 12-year maintenance includes blade replacement (as required), spindle bearing replacement (as required), pitch horn screw replacement, boot and o-ring replacement, and inspection.
A005-7	A016-6 Main Rotor Blade & A158-1 Spindle Assembly	
A005-14	A016-6 Main Rotor Blade & A158-3 Spindle Assembly	
A006-1 & -6	Main Rotor Gearbox Assembly	Submit to RHC-authorized component maintenance facility for 12-year maintenance, or replace with new or overhaul exchange. 12-year maintenance includes pinion seal replacement, o-ring replacement, sealed bearing replacement, rubber mount replacement, additional bearings replacement (as required), and inspection.
A007-3 or -5	Fanshaft Assembly	Replace with new A007-5 fanshaft assembly.
A008-2 or -4	Tail Rotor Assembly	Replace with new A008-4 tail rotor assembly.
A014-8	Landing Gear Assembly originally installed on R22 S/N 0002 thru 0487.	Replace with new.
A017-2	Swashplate Assembly	Submit to RHC-authorized component maintenance facility for 12-year maintenance, or replace with new or overhaul exchange. 12-year maintenance includes inspection and repair as necessary.
A018-1	Clutch Assembly (anodized)	Submit to RHC-authorized component maintenance facility for 12-year maintenance, or replace with new or overhaul exchange. 12-year maintenance includes seal and o-ring replacement, bearing replacement, and inspection.
A018-2	Clutch Assembly (metalized)	

1.102 Additional Component Maintenance (continued)

A. 12 YEARS (continued)

Part Number	Description	Action
A020-2	Upper Frame Assembly S/N 0399 and prior (originally installed on R22 S/N 0002 thru 0311).	Replace with new. Note: Frame replacement may require tailcone forward bay replacement.
A021-1	Tail Rotor Gearbox Assembly	Replace with new or overhaul exchange B021-1 tail rotor gearbox assembly.
A031-1	Tail Rotor Pitch Control	Replace with new.
A041-11 or -12	Tail Rotor Drive Shaft Damper Bearing Assembly	Replace with new A041-11 or -12 damper bearing assembly or replace with new B224-1 or -3 drive shaft.
A044-1	Horizontal Stabilizer Rev M and prior (originally installed on R22 S/N 0002 thru 0631).	Replace with new.
A051-1 or A051-3	Clutch Actuator Assembly (A051-1 includes gearmotor assembly)	Replace with new or overhaul exchange.
A120-1	Tail Rotor Bellcrank	Replace with new.
A169-1, -2, or -4	Muffler with Risers Rev J and prior (baffled muffler with straight tailpipe, originally installed on R22 S/N 0002 thru 0500).	Replace with new, revision K or subsequent muffler with risers.
A169-6 or -35	Muffler with Risers (O-320 engine)	Visually inspect muffler interior; verify no obvious loss of material.
A169-24 or -37	Muffler with Risers (O-360 engine)	Visually inspect muffler interior; verify no obvious loss of material.
A190-1 or -2	V-Belt Set	Replace with new A190-2 v-belt set.
A193-2	Flex Plate	Replace with new A947-2 flex plate assembly.
A193-3	Flex Plate	Replace with new A947-3 flex plate assembly.
A197-1 thru -7	Tail Rotor Drive Shaft Assembly originally installed on R22 S/N 0002 thru 0747.	Replace with B224-1 drive shaft & appropriate B223 yoke.
A258-1	Main Rotor Pitch Link Assemblies	Replace with new A258-1 or A258-5 link assembly.
A258-5	Main Rotor Pitch Link Assemblies	Disassemble. 10X visually inspect barrel; verify no corrosion.
A480-1	Swashplate Boot	Replace with new.
A493-1	Lower Sheave Rev H and prior (anodized, originally installed on R22 S/N 0002 thru 0294).	Replace with new, revision I or subsequent (steel-sprayed) lower sheave.
A650-1 or -3	Main Gearbox Mount Fittings	Visually inspect exterior and interior. Verify no corrosion.
A649-1, -2, or C649-1	Oil Cooler	Replace with new or overhaul exchange C649-1 oil cooler.