

R22 SERVICE LETTER SL-61

R44 SERVICE LETTER SL-45

R66 SERVICE LETTER SL-07

DATE: 03 July 2013

TO: R22, R44 & R44 II, and R66 owners, operators, and maintenance personnel

SUBJECT: Deleted Safety Wire

BACKGROUND: Safety wire and safety wire provisions have been deleted from various installations and parts. Deleting safety wire reduces maintenance cost and decreases the potential for safety wire-related FOD. This letter provides guidance for installing parts with or without safety wire provisions.

COMPLIANCE PROCEDURE:

- **A006, C006, and F006 main rotor gearboxes:** Filler plugs, sight gages, & chip detector housings with or without safety wire provisions do not require safety wire. Packings and torques are unchanged.
- **A006 revision AP & subsequent main rotor gearboxes:** Torque mast tube-to-gearbox (8) NAS1352-5-20P screws to 260 in.-lb; safety wire is not required.
- **A006 revision AO & prior main rotor gearboxes:** Torque mast tube-to-gearbox (8) NAS1352-5H20P screws to 220 in.-lb; safety wire is required.
- **C006 revision AE & subsequent main rotor gearboxes:** Torque mast tube-to-gearbox (8) NAS1352-6-24P screws to 380 in.-lb; safety wire is not required. Torque sump (6) NAS1352-4-16 screws and rotor brake (8) NAS1352-4-12 screws to 140 in.-lb; safety wire is not required.
- **C006 revision AD & prior main rotor gearboxes:** Torque mast tube-to-gearbox (8) NAS1352-6H24P screws to 330 in.-lb; safety wire is required. Torque sump (6) NAS1352-4H16P screws and rotor brake (6) NAS1352-4H12P screws to 120 in.-lb; safety wire is required.
- **B021 tail rotor gearbox:** Filler plug, sight gage, & chip detector with or without safety wire provisions do not require safety wire. Packings and torques are unchanged.

(OVER)

- **C021 tail rotor gearbox:**
 - Install filler plug with or without safety wire provisions with MS28778-5 packing; safety wire is not required. Torque is unchanged.
 - Install B563-1 sight gage with or without safety wire provisions with MS28775-014 packing; safety wire is not required. Torque is unchanged.
 - Install B563-2 sight gage with or without safety wire provisions with A215-020 o-ring; safety wire is not required. Torque is unchanged.
 - Install chip detector with or without safety wire provisions with MS28778-4 packing; safety wire is not required. Torque is unchanged.
 - If a filler plug, sight gage, or chip detector is installed with an MS35769 gasket, safety wire is required. MS35769 gaskets may be replaced with packings (o-rings) as indicated above and then safety wire is not required.
- **C023 tailcone assembly S/N 3562 and subsequent:** Torque (4) NAS1352-5-12P screws securing tail rotor gearbox-to-tailcone to 260 in.-lb; safety wire is not required.
- **C023 tailcone assembly S/N 3561 and prior:** Torque (4) NAS1352-5H12P screws securing tail rotor gearbox-to-tailcone to 220 in.-lb; safety wire is required.
- **D211 hydraulic reservoirs:** Vent assembly, solenoid assembly, sight gage, and filter cap with or without safety wire provisions do not require safety wire. Packings and torques are unchanged.
- **G689 oil tank:** Sight gage with or without safety wire provisions does not require safety wire; packing and torque are unchanged. Install oil temperature sender (discard gasket supplied with sender) with or without safety wire provisions with MS29561-015 packing; safety wire is not required. Torque is unchanged.
- **Lycoming engines:** Oil filters and D723-1 adapter assemblies with or without safety wire provisions do not require safety wire. Installation instructions are on the oil filter.