Table 12-3. Lubrication Chart

INTERVAL	NOMENCLATURE	LUBRICANT	REMARKS	
25 hours, more frequent if required by environmental conditions	Tail rotor trunnion bearings (two)	Grease MIL-G-81322	Do not intermix grease types. Purge until same grease appears.	A0025
50 hours and on assembly	Tail rotor crosshead bearing	Grease MIL-G-81322	Two shots every 50 hours. Do not intermix grease types.	All 300 series
25 hours, more frequent if required by environmental conditions	Drive link (two places per link)	Grease MIL-G-81322	Do not intermix grease types. Purge until same grease appears.	A0025
25 hours, more frequent if required by environmental conditions	Rephasing lever bearings (four places)	Grease MIL-G-81322	Do not intermix grease types. Purge until same grease appears.	A0025
25 hours, more frequent if required by environmental conditions	Swashplate inner ring trunnion rod ends (two) and collective lever trunnion rod end (one)	Grease MIL-G-81322	Do not intermix grease types. Purge until same grease appears. Comply with Figure 12-3, note 9. A0306.5.1	A0025 ▌
50 hours, more frequent if required by environmental conditions	Anti-torque flight control tube bearings	Grease MIL-G-81322	Fittings not present on all helicopters. Do not intermix grease types. Purge until same grease appears.	All 300 series
25 hours, more frequent if required by environmental conditions	Collective hub and sleeve (two fittings)	Grease MIL-G-81322	Do not intermix grease types. Purge until same grease appears.	A0025
25 hours, more frequent if required by environmental conditions	Swashplate bearings (two)	Grease MIL-G-81322	Do not intermix grease types. Purge until same grease appears.	A0025
100 hours	Cargo hook link assembly, clevis assembly, load bolt assembly		Refer to Service Instruction BHT-212-SI-5 and BHT-412-SI-17 (P/N 212-706-103-XXX).	
300 hours	Tail rotor hanger bearings (four)	Grease – MOBIL 28 no substitution	Slowly pump grease into fitting until it may be seen around bearing seal.	A0305
600 hours/ 6 months △1 or 600 hours/ 12 months △2 (refer to Chapter 5 Special Inspections)	Tail rotor driveshaft flex couplings	Grease 204-040-755-005 Tracked by Special Inspections	Comply with Figure 12-3, notes 6, 7, and 8 as applicable.	

Table 12-3. Lubrication Chart (Cont)

INTERVAL	NOMENCLATURE	LUBRICANT	REMARKS	
600 hours/ 6 months (1) or 600 hours/ 12 months (2) (refer to Chapter 5 Special Inspections)	Intermediate gearbox flex couplings	Grease 204-040-755-005	Comply with Figure 12-3, notes 6, 7, and 8 as applicable.	Tracked by Special Inspections
600 hours/ 6 months (1) (refer to Chapter 5 Special Inspections)	Tail rotor gearbox flex coupling (one)	Grease 204-040-755-005	Comply with Figure 12-3, notes 6 and 7.	Tracked by Special Inspections
600 hours/ 6 months (1) or 600 hours/ 12 months (2) (refer to Chapter 5 Special Inspections)	Transmission tail rotor drive quill flex coupling (one)	Grease 204-040-755-005	Comply with Figure 12-3, notes 6, 7, and 8 as applicable.	Tracked by Special Inspections
600 hours/ 12 months (refer to Chapter 5 Special Inspections)	Main driveshaft couplings (two)	Grease 204-040-755-005	Comply with Figure 12-3, note 6.	Tracked by Special Inspections
On assembly	Main rotor blade bolts	Grease (C-561) or grease (C-172)	After final torque, overcoat non-expanding blade bolt head, nut, washer, and exposed threads with corrosion preventive compound (C-101) MIL-PRF-16173, Grade 1.	
On assembly	Main rotor hub to mast	Grease (C-561) or grease (C-172)	Apply thin coat of grease (C-561) or grease (C-172) to mating surfaces of mast splines, upper and lower cones, and cap assembly taking care that grease is not allowed on Teflon of cone or mating surfaces with Teflon.	
On assembly	Mast and splined plate splines	Grease (C-561) or grease (C-172)	Apply grease (C-561) or grease (C-172) to mast and splined plate splines.	
On assembly	Tail rotor control tube	Lubricating oil MIL-PRF-7808 MIL-PRF-23699	Coat tube in area of bearing.	
On assembly	Tail rotor control race	Grease (C-001) MIL-PRF-81322	Hand pack. Do not intermix grease types.	
On assembly	Tail rotor gearbox output shaft splines to tail rotor hub trunnion splines	Grease (C-561) or grease (C-172)	Apply a thin coat of grease (C-561) or grease (C-172) to mating surface of tail rotor gearbox output shaft splines and tail rotor hub trunnion splines.	

Table 12-3. Lubrication Chart (Cont)

INTERVAL	NOMENCLATURE	LUBRICANT	REMARKS	
On assembly	Tail rotor crosshead splines	Grease (C-001) MIL-PRF-81322	Apply a thin film of grease at assembly. Do not intermix grease types.	
50 hours, more frequent if required by environmental conditions	Tail rotor control level (three places)	Grease (C-001) MIL-PRF-81322	Do not intermix grease types. Purge until same grease appears.	All 300 series
On assembly	Ground handling wheel bearings	Grease (C-001) MIL-PRF-81322	Do not intermix grease types. Purge until same grease appears.	
On assembly and each 6 months	Ground handling wheel axle pivot bearing, trunnions, and pins	Grease (C-001) MIL-PRF-81322	Do not intermix grease types. Purge until same grease appears.	
On assembly and after each 25 hours of operation	Droop restraint arm, inboard clevis race two fittings (four places)	Grease (C-001) MIL-PRF-81322	Do not intermix grease types. Purge until same grease appears.	A0025
Every 25 hours of operation	Bearing assembly, Pendulum absorbers main rotor hub (eight places)	Grease (C-001) MIL-PRD-81322	Do not intermix grease types. Purse unitl same grase appears.	A0025

NOTES:

△1 600 hour/6 month interval applicable to helicopters S/N 33001 through 33213, and S/N 36001 through 36019 not modified by 412-570-001-103 or Pre BHT-412-SI-74 (412SP to 412HP Upgrade).

△2 600 hour/12 month interval applicable to helicopters S/N 36020 and subsequent and helicopters modified by 412-570-001-103 or Post BHT-412-SI-74 (412SP to 412HP Upgrade).