

SERVICING

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SERVICING

12-1. SERVICING

Instructions and information for complete servicing of the helicopter are provided in BHT-206-A/B-Series-MM2 including servicing of the main fuel system, main transmission, tailrotor gearbox and main rotor. Servicing the hydraulic system and lubrication of the aircraft are also included. Figure 12-1 shows location of points requiring servicing and approved fuel and lubricants.

NOTE

Only use Aeroshell 555 oil in Main Transmission /Tailrotor / Gearbox and Aeroshell 560 in Engine.

NOTE

Only use AeroShell 22 grease in Main Rotor Head Hub, Swashplate, Tail Rotor Hub, and Tail Rotor Hangar Bearings.

NOTE

Only use Royco 782 hydraulic fluid in hydraulic reservoir

12-2. REFUELING---CLOSED CIRCUIT

1. Install grounding cables and remove fuel cap ((5), figure 12-2.)
2. Ensure that gravity refueling module (2) is closed. If not, pull latch tool (4) closing module. (Refer to Figure 12-2.)



ENSURE THAT FUEL SERVICING UNIT PRESSURE IS NOT ABOVE 125 PSI DURING REFUELING.

3. Insert suitable fueling nozzle into receiver and actuate lever to on or flow position.
4. Fuel flow will automatically shut off when normal fuel level is reached. Prior to normal shut off, fuel flow may cycle several times as fuel level is reached. Gage on fuel servicing unit will indicate when flow has stopped.
5. When fuel flow has stopped, actuate lever to off and disconnect nozzle from receiver and replace filler cap (5).
6. Disconnect grounding cables.
7. The helicopter may be refueled with gravity refueling system by releasing latch (3) and swinging module (2) down and to the rear.
8. Fill fuel cell to bottom of receiver.



KEEP FACE CLEAR OF REFUELING PORT WHILE CLOSING MODULE (2).

9. Close module (2) by pulling tool latch and lanyard.

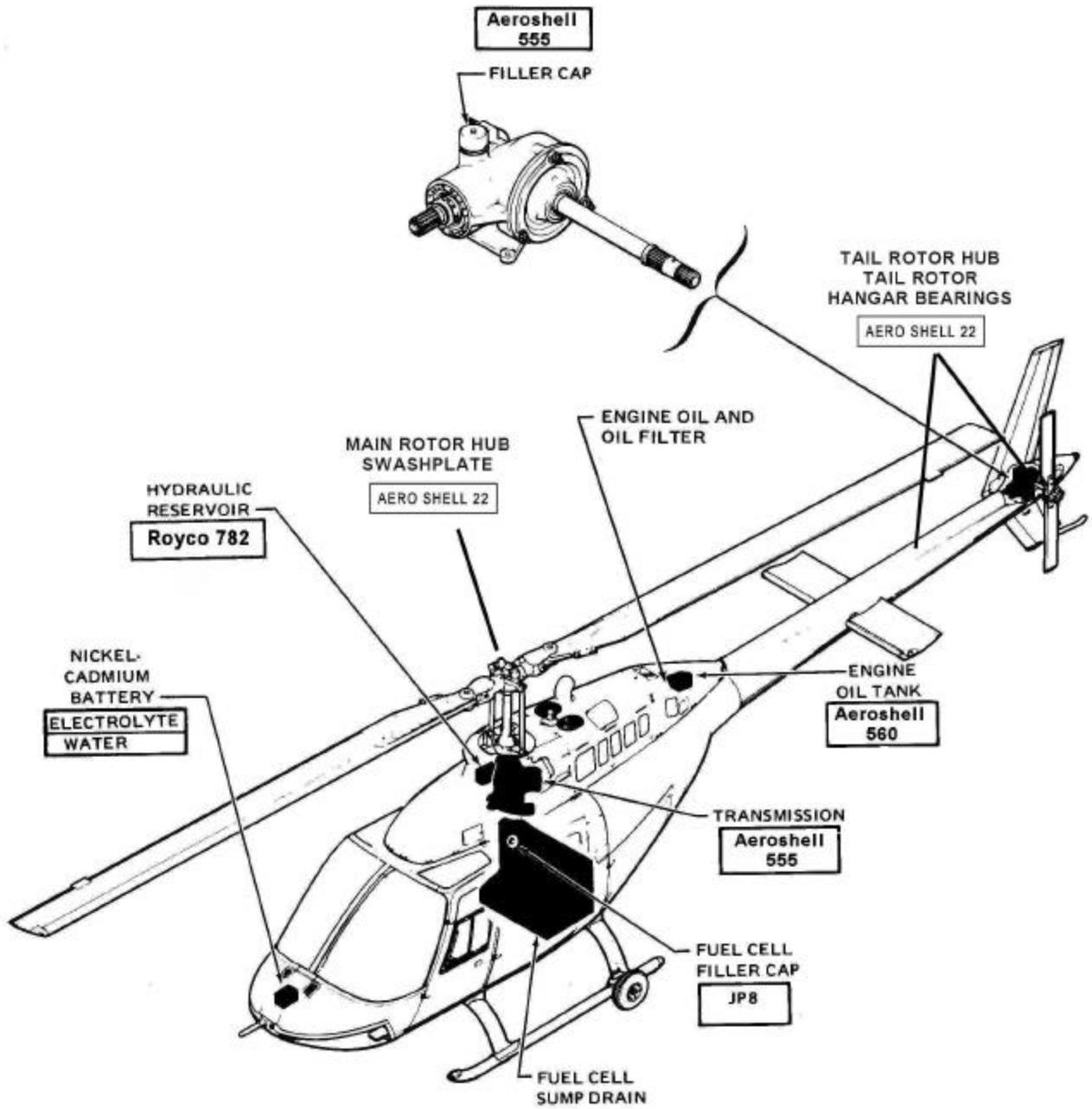


Figure 12-1. Servicing Diagram (Sheet 1 of 2)

FREQUENCY SYMBOL



Daily



Preflight



150 Hours



200 Hours

REQUIREMENT

Inspect prior to first flight of the day.

Inspect prior to each flight.

Remove battery and service.

1. Drain and refill tail rotor gearbox each 200 hours.
2. Transmission each 200 hours
 - a. Drain transmission
 - b. Clean and reinstall transmission oil screen.
 - c. Replace oil filter.
 - d. Refill transmission.
 - e. Remove and inspect magnetic plug in oil monitor on 206-040-126 filter heads.
3. Engine Oil
 - a. Drain oil tank.
 - b. Change oil filter.
 - c. Refill oil tank.

SERVICING MATERIALS

**Aeroshell
555 / 560**

Lubricating Oil, Turbine **BPTO 2380**

JP8

Engine Fuel, Turbine

**ELECTROLYTE
WATER**

Nickel-Cadmium Battery Use distilled water only.

Royco 782

Hydraulic Fluid, Fire Resistant Synthetic Hydrocarbon Base, Aircraft **MIL-H-83282**

AERO SHELL 22

AEROSHELL 22

NOTES:



Do not mix oils.



Refer to applicable Allison Operation and Maintenance Manual (10W2) for conditions which allow frequency of oil change to be extended to 200 hours, authorized fuels and oils, and service checks.

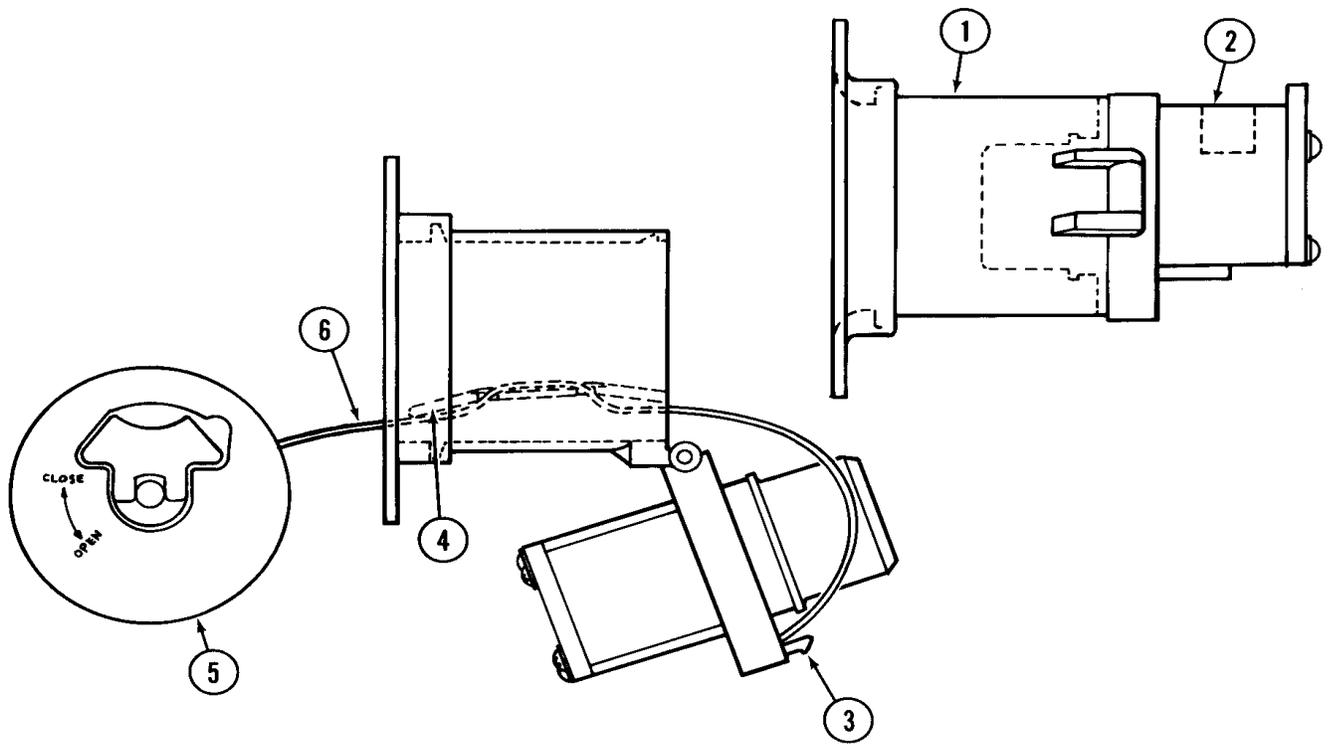


Tail rotor gearbox oil level must be 1/8 inch above the oil level indicator oil line for helicopters equipped with standard landing gear.



Refer to Allison Commercial Service Letter, 250-C20B CSL-1052, if oil foaming and pressure fluctuations are experienced.

Figure 12-1. Servicing Diagram (Sheet 2 of 2)



- 1. Housing
- 2. Module
- 3. Latch
- 4. Tool, Latch
- 5. Cap
- 6. Lanyards

Figure 12-2. Refueling - Closed Circuit