

**TECHNICAL BULLETIN**  
**Bell Helicopter** **TEXTRON**  
A Subsidiary of Textron Inc.

**NO.** 206L-00-202

**DATE** 08-18-00

**PAGE NO.** 1 of 5

<b>DATE</b>
<b>REV.</b>

**MODELS AFFECTED:** 206L4

**SUBJECT:** **EMERGENCY LIGHTWEIGHT FLOAT KIT,  
INSPECTION AND OVERHAUL SCHEDULE,  
MODIFICATION OF.**

**HELICOPTERS AFFECTED:** All 206L4 model helicopters equipped with emergency float kit 206-706-210-111 & /-113.

**COMPLIANCE:** Effective upon receipt of this bulletin.

**DESCRIPTION:**

The result of the manufacturer recommendation and BHT Engineering evaluation, is that the operational check of the flotation system and overhaul intervals of the solenoid valve be increased.

PART I of this bulletin gives a new inspection schedule for the operational check of the flotation system.

PART II of this bulletin gives the overhaul interval and instructions for the solenoid valve 206-373-901-101.

**APPROVAL:**

Not required.

**MANPOWER:**

Not required.

7851 60540

**MATERIAL:**

Refer to BHT-206-SI-2046, Dated 24 March 1995

**SPECIAL TOOLS:**

Refer to BHT-206-SI-2046, Dated 24 March 1995

**WEIGHT AND BALANCE:**

Not required.

**ELECTRICAL LOAD DATA:**

Not required.

**REFERENCES:**

BHT-206-SI-2046, Lightweight emergency floatation kit, Dated 24 March 1995  
BHT-206L-SERIES-IPB, Figure 99-7.

**PUBLICATIONS AFFECTED:**

BHT-206L-SERIES-MM, Chapter 5

**ACCOMPLISHMENT INSTRUCTIONS:**

**PART I : Operational check**

The requirement of the test of the complete floatation system when you use the aircraft nitrogen supply as in a READY-FOR-FLIGHT CONFIGURATION, is now increased from to 2 years to 3 years, concurrent with the reservoir periodic hydrostatic test.

**EVERY 3 CALENDAR YEARS**, proceed as follows:

Do the special inspection tasks as given in BHT-206-SI-2046 Chapter 2 for FLOAT BAGS AND INFLATION TUBING.

## **PART II : Maintenance Instructions**

The overhaul interval for the valve 206-373-901-101 is required at every 6 years of service, concurrent with the second reservoir periodic hydrostatic test. The service life starts at the first installation date on the aircraft and runs uninterrupted thereafter.

**AFTER 6 YEARS OF SERVICE**, proceed as follows:

1. Remove the solenoid valve as follows:
  - 1.1 Disconnect battery and all external power source.
  - 1.2 Ensure FLOAT circuit breaker 24CB1 is pulled, to prevent inadvertent discharge of system.
  - 1.3 Remove cable assembly 24L1P1 connector (3, Figure 1) from valve assembly (1).

### **CAUTION**

**TO AVOID INJURY, ENSURE RESERVOIR ASSEMBLY IS EMPTY PRIOR TO CHANGING VALVE ASSEMBLIES.**

- 1.4 Release gas pressure from reservoir assembly thru charging valve (10).
- 1.5 Remove electrical bonding jumper (2) from valve assembly (1).

- NOTE -

Cap all lines disconnected to prevent contamination of system.

- 1.6 Disconnect 2 tubes (7 and 8) from valve assembly (1).
- 1.7 Remove reservoir assembly (5) from helicopter.
- 1.8 Disconnect tee fitting (6) from valve assembly (1).
- 1.9 Loosen nut (9) and remove valve assembly (1) from adapter (11).

2. Send the valve to Bell Helicopter Customer Property Return (CPR) Administration for overhaul. Use the address that follows:

Bell Helicopter Logistic Center  
Customer Property Return (CPR) Administration  
3000 South Norwood  
Hurst, TX 7605, USA

- NOTE -

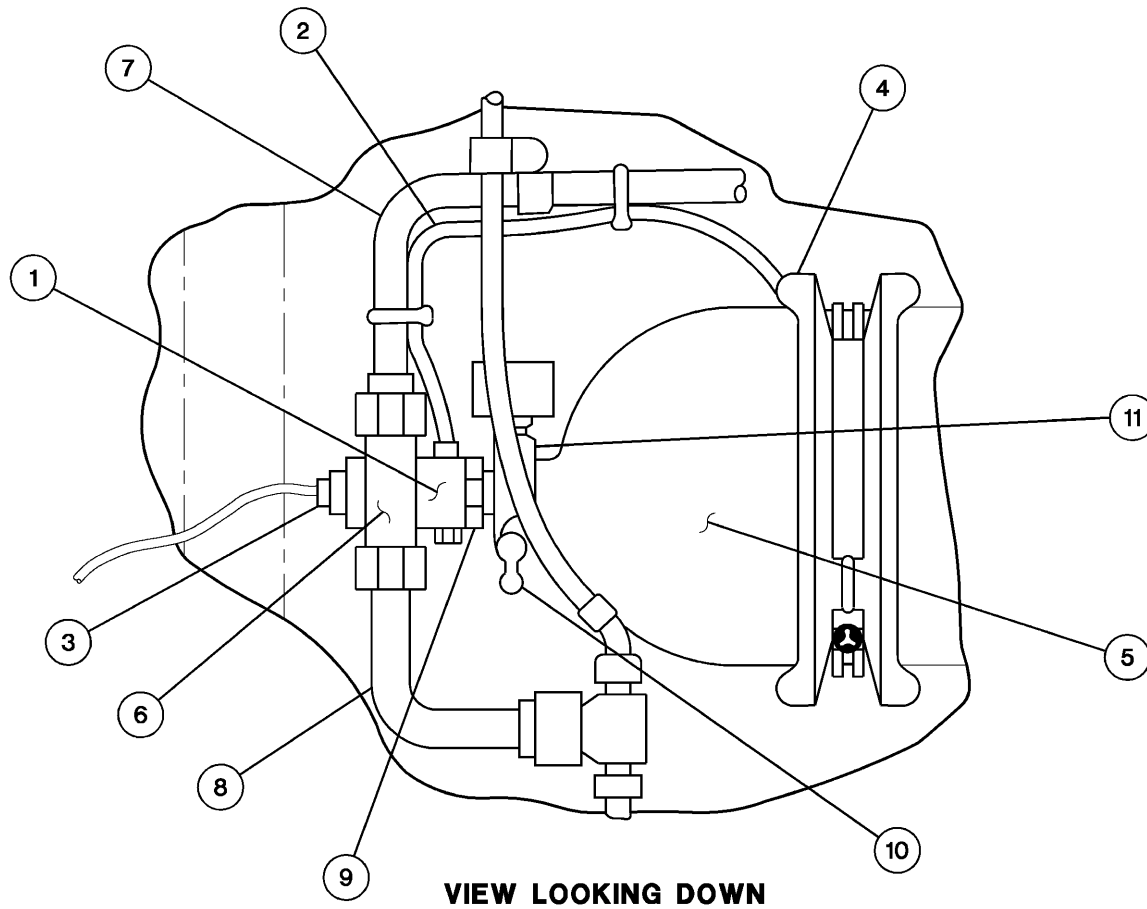
These valves cannot be disassembled in the field.  
Repair and overhaul is not approved in the field.

3. Install serviceable solenoid valve as follows:
  - 3.1 Apply anti-corrosion compound MIL-C-16173 Grade 2 to threads of adapter (11, Figure 1).
  - 3.2 Install valve assembly (1) on adapter (11) with new packing. Torque jam nut (9). Refer to BHT-ALL-SPM.
  - 3.3 Install tee fitting (6) on valve assembly (1).

**CAUTION**

DO NOT INSTALL RESERVOIR ASSEMBLY IF  
PRESSURIZED.

- 3.4 Install reservoir assembly to helicopter. Refer to BHT-206-SI-2046 paragraph 1-8.
- 3.5 Connect tubes (7 and 8, Figure 1) to valve assembly (1).
- 3.6 Tighten all connections to valve assembly (1).
- 3.7 Install bonding jumper (2) to valve assembly (1).
- 3.8 Connect cable assembly 24L1P1 connector (3) to valve assembly (1).
4. Pressurize reservoir. Refer to BHT-206-SI-2046 paragraph 2-3 and check for leaks.



**LEGEND**

1. Valve assembly, 206-373-901-101
2. Jumper, 80-027-9
3. Connector, 24L1P1
4. Mounting bracket (ref)
5. Reservoir assembly, 206-073-848-121
6. Tee fitting, AN834-12J
7. Tube, 206-073-854-101
8. Tube, 206-073-855-101
9. Jam nut, AN6289-J12
10. Charging valve, MS28889-2
11. Adapter, 206-073-847-103

**Figure 1. Float Solenoid Valve Removal and Installation**