



ATTACHMENT 4

EMERGENCY FLOTATION SYSTEM GROUP FACTUAL REPORT

NTSB No. ERA18MA099

**Excerpt of the ditching procedures training provided by Liberty Helicopters
(4 Pages)**

- Y. DITCHING (With Emergency Floatation Gear)
Ref. AFM. /W Liberty Helicopters Emergency Procedures.

In the event of an engine failure or other need for ditching, check rotor r.p.m. and apply the following procedure.

1. Arm the emergency floatation gear.
2. Fire the floatation gear (Recommended maximum firing speed 80kts)
3. Complete the autorotation procedure as described in the basic Manual.
4. Touch down speed must be below 10kts.
5. Alight broadside-on to the sea: Avoid ramming of the nose of the floats on touch down.
6. If aircraft is afloat, evacuate when emergency help arrives
7. If aircraft is sinking, release the seatbelts when the cabin is submerged. Evacuate the aircraft and then inflate the life vests.

Note: Inflation of emergency floatation gear reduces the rotor speed by 20 rpm in autorotation descent

IMPORTANT NOTE: WHEN THE HELICOPTER IS AFLOAT. THE
FORWARD DOORS MUST BE OPENED BY
ACTUATING THE JETTISON CONTROL

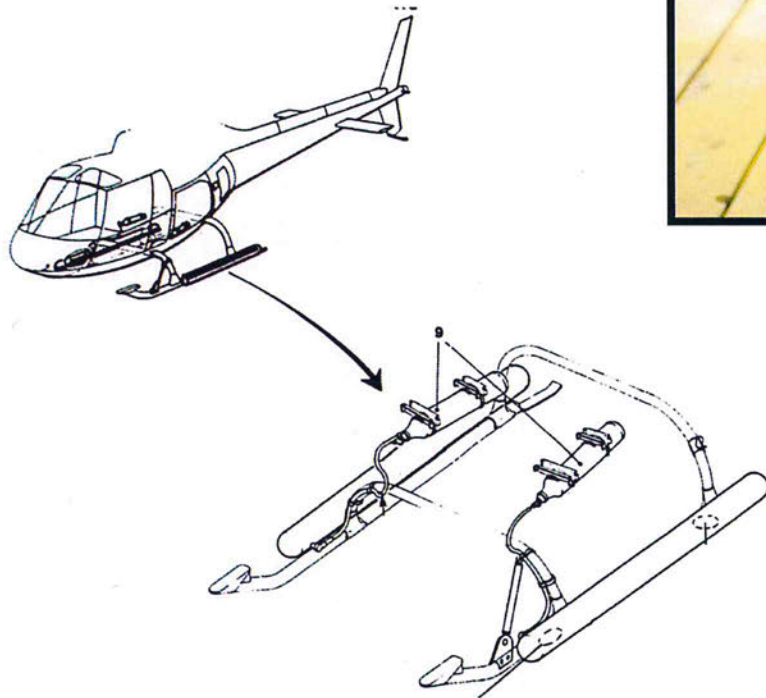
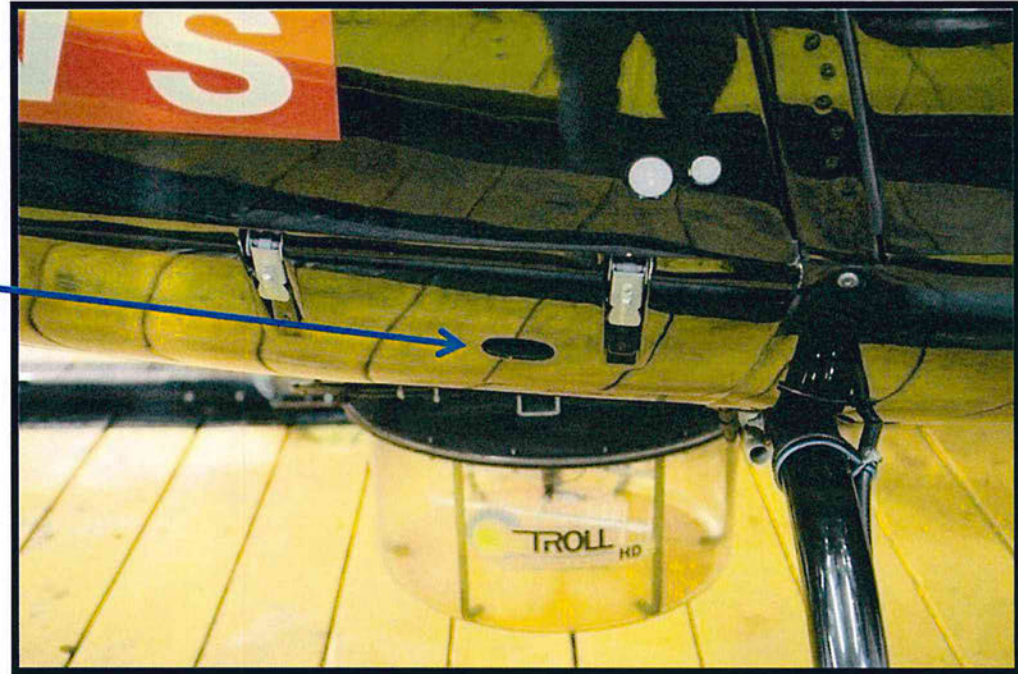
Emergency Flootation Gear

- Designed to maintain aircraft alight after ditching. Flotation is ensured by two floats inflated before ditching by means of two pressurized helium bottles.
- Floats Stowed, system **not armed**: no special limitations.
- Floats Stowed, system **armed, or floats inflated**:
 - Max airspeed - 135 kts, or
at Torques <40% - 100 kts
- Dart inflation VNE 75kts, cruise 95kts.



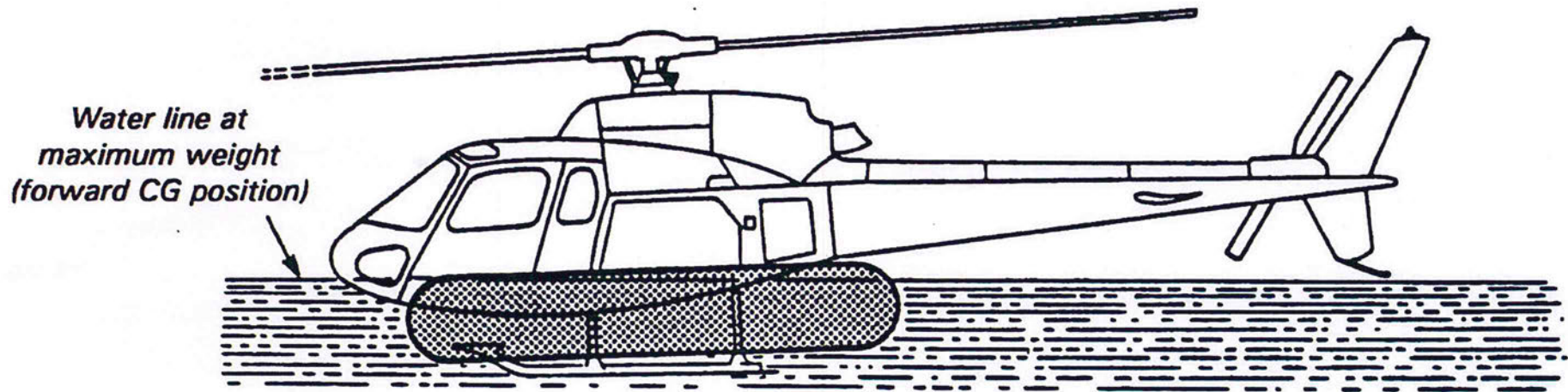
Emergency Floatation Gear

Cut out on left and right side allows pilot to check both bottle pressures prior to flight.



Dual pressurized helium bottles located under aft belly panel, each bottle supplies its own float bag.

Emergency Floatation Gear



- At MAX gross weight, the water line is roughly at the cabin level for an aircraft equipped with short landing gear. ***All LHI AS350 are equipped with high skid gear***
- Floats are mounted slightly above skid gear to allow aircraft to land if necessary with the floats inflated. Groundspeed must be ZERO when landing on hard surface to prevent float damage
- Refer to specific installation for arming/firing and airspeed limitations. Dart vs Zodiac.