

**SEMI-ANNUAL INFLATABLE PFD INSPECTION/LEAK  
TEST  
(MD 3183V22)  
KBOO25.O rev D 03/15/15**

**INSPECT INFLATABLE PFD**

1. Check PFD over its entire surface for the following:
  - a. Cuts.
  - b. Tears.
  - c. Seam separation.
  - d. Loose stitching.
  - e. Damaged HIT window. (replace if damaged)
2. Check the attached D-ring for the following:
  - a. Corrosion.
  - b. Damage.
  - c. Security of attachment.
3. Inspect the waist/chest buckles for proper operation.
4. Inspect required PFD markings for legibility.
5. Remove PFD from service if any above discrepancies are noted.
6. Check PFD accessory pockets for the following:
  - a. Cuts.
  - b. Tears.
  - c. Operability of slide fasteners.
7. Replace accessory pockets if any of the above discrepancies are noted.
8. Inspect unit serial number marking inside the PFD for legibility.
  - a. Restore serial number marking if required.
9. Inspect inflator assembly for the following:
  - a. Damage.
  - b. Lanyard fraying.
  - c. Expiration.
  - d. Green indicator light.
10. Replace inflator assembly if discrepancies are noted.

**LEAK TEST PFD**

1. Manually inflate PFD.
  - a. Unzip both PFD zippers.
  - b. Inflate the PFD until firm through the oral inflation tube.
2. Apply leak test compound to the oral inflation tube and the CO<sub>2</sub> inflation valve. (use mild solution of dish detergent)

3. Remove PFD from service if leaks are found.
4. Leak check around CO2 inflator assembly after oral inflation.
5. Inspect inflated PFD for signs of deflation or pressure loss after 2 hours.
6. Remove PFD from service if it shows loss of pressure.
7. Deflate PFD by inverting the oral tube dust cap.
8. Gently squeeze the inflated bladder until air is expelled.
9. Pack PFD as follows:
  - a. Fold PFD panels.
  - b. Secure two-step zippers.

#### INSPECT SURVIVAL A)EQUIPMENT AND PYROTECHNICS

1. Inspect the following attached equipment and pyrotechnics.
  - a. Signal whistle
  - b. Strobe light. (replace batteries)
  - c. PLB
  - d. Signal mirror.
  - e. MK-79 personal distress kit. (N/A)
  - f. MK-124 smoke and illumination signal. (N/A)
  - g. Survival knife.
2. Verify survival equipment is attached in the correct location.
3. Inspect lanyards attaching all survival equipment to the accessory pockets for the following:
  - a. Cuts or frays
  - b. Correct length (finish length to be 36 inches)
  - c. Security of lanyard attachment to equipment and accessory pocket.
4. Replace or re-tie lanyards as required.
5. Document any discrepancies in the Maintenance Log.