

Abandon Ship Life Preserver Tip 004

Securing Manual Actuation Lever on the Abandon Ship life preserver manual inflator

The manual actuation lever on the manual inflator for the abandon ship life preserver needs to be secured to prevent inadvertent manual actuation of the inflator. It can either be secured by a copper electrical shear wire (NSN 6145-00-838-9444, SPMIG 03997) or by a plastic breakaway clip (NSN 4220-01-515-6476, SPMIG 11827). The information provided below is to supplement and clarify the steps noted in the Maintenance Index Pages 5832/005 and 5832/016 for the abandon ship life preserver.

1. Copper Electrical Shear Wire

- a. Ensure work surface is clean and free from debris
- b. Ensure actuation lever is in closed position against inflator body shown in Figures 1 and 2.



Figure 1. Actuation lever in open position



Figure 2. Actuation lever in closed position

c. Cut a strand of electrical copper shear wire (NSN 6145-00-838-9444, SPMIG 03997). Pass the strand of the electrical copper shear wire through inflation assembly hole shown in Figure 3.



Figure 3

d. With toggle line out of the way, hold each wire with one hand and twist wires together 3 to 5 times to fasten Figure 4. The number of twists can be determined by counting the number of bumps in the twist. (Figure 5 shows 5 twists and 5 bumps. A thicker wire was used to illustrate the number of twists)



Figure 4

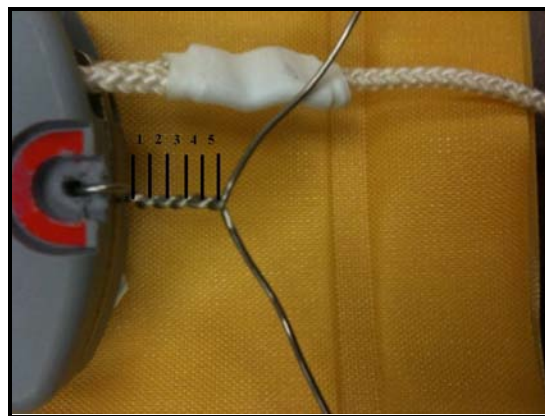


Figure 5

e. Trim excess copper shear wire with cutting pliers (NSN 5110-00-935-0890, SPMIG 03881) as shown in Figure 6.



Figure 6

f. Bend the wire inward towards the actuation lever and away from bladder to prevent it from damaging the bladder or being a snag as shown in Figure 7.



Figure 7

2. Breakaway Clip

a. Ensure work surface is clean and free from debris

b. Ensure actuation lever is in closed position against inflator body shown in Figures 8 and 9.



Figure 8. Actuation lever in open position

Figure 9. Actuation lever in closed position

c. Place Green Breakaway Clip (NSN 4220-01-515-6476, SPMIG 11827) into recessed area of inflator (Figure 10). NSN provides a bag of 50 breakaway clips.

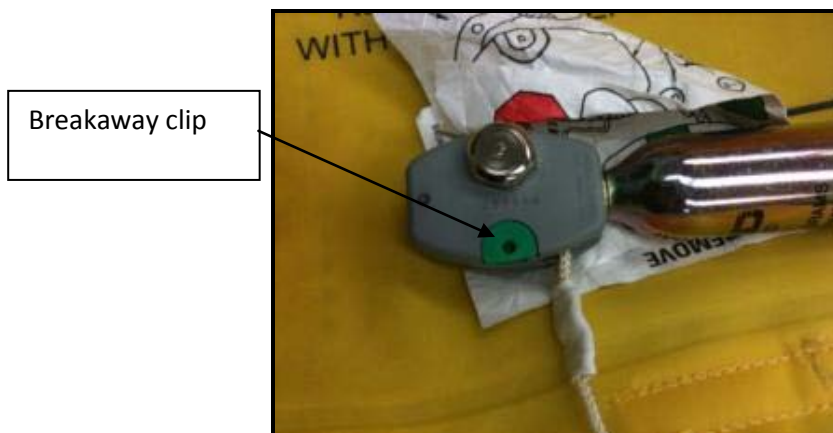


Figure 10