

## INFLATION CYLINDER/BOTTLE INSPECTION

**\*\*\*These are high pressure cylinders/ bottles holding up to 4500 psi. Handle with care.**

**Weekly** inspections of the cylinder/bottle should be done to check for corrosion and damage. Ensure that the clamps holding the bottles are secure, tighten if required or replace if they are corroded or damaged.

**Annual** inspection of the bottles to check for corrosion, cracks or other damage is required. At this time verify the cylinder/bottle has not exceeded its service life. If during any inspection it is noted that the bottle is in need of repairs or has expired, it must be sent to DBA Marine Safety Systems as noted on the contact sheet.

**\*\*\*Note location of date of manufacture**

The inflation cylinder/bottle must be hydrostatically tested and recertified every **five years**; this can be done through DBC Marine Safety Systems. The bottles have a service life of 15 years but must be inspected and tested twice at the five-year intervals.

When removing the inflation bottle from the righting system for its 5-year service please follow the following steps:

**\*\*\*Please note that when you are removing the bottle to have it recertified you are not removing the valve from the bottle. It will be shipped as a unit.\*\*\***



**Step 1.** Remove the break-away pin from the inflation valve. \*\*this pin is used to control inflation valve activation force within the Mirada valve

**Step 2.** Install the safety pin, found tie-strapped to the inflation bottle, in the firing head assembly at the Mirada inflation valve. This will prevent accidentally triggering the inflation system.

**Step 3.** Disconnect the inflation hose from the firing head assembly.

**Step 4.** Disconnect the pull cable from the shackle which is attaching it by a short pull cable on the Mirada inflation valve. (Photo on next page)

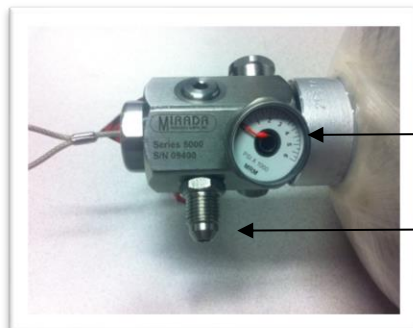
**Step 5.** Loosen the mounts for the cylinder and remove carefully.

**Step 6.** Submit the inflation cylinder/bottle and firing head assembly to a certified service center for service/recharging /rearming.

## MIRADA INFLATION VALVE AND INFLATION HOSE ASSEMBLY INSPECTION

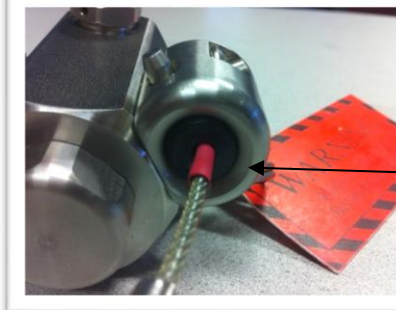
**Weekly** inspections of the Mirada inflation valve and hose assembly should be done to check for corrosion and damage. Ensure that the hose connection is secure and inspect carefully for any sign of leakage (change in pressure on the gauge). Verify the rubber grommet is installed in the firing head release cable outlet. **\*\*\*Inflation hoses must be replaced every 8 years.**

In ideal conditions Mirada inflation valves have a 5 yr. service term. We are recommending a rebuild on the valves at 2.5-year intervals due to the environmental conditions that these valves are being used in.

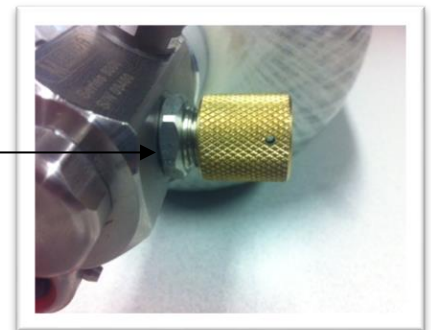


Pressure gauge

Inflation hose attachment point



Rubber grommet in firing head release cable outlet



Diffuser cap

The supplied diffuser cap must be installed once the inflation hose has been removed, prior to handling and shipping of the bottle. This cap is tie strapped with the safety pin to the bottle for safe keeping

If during any inspection it is noted that the Mirada valve is in need of repairs, it must be sent to DBC Marine Safety Systems as noted on the contact sheet. **\*\*\*Please note that when you are submitting the valve for service you are not removing the valve from the bottle. It will be shipped as a unit.\*\*\***

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