



# ***LiftR™ Series***

## **2023 USER INSTRUCTIONS**

# FEATURES

## LIFTR™ LABEL INFORMATION

  
Made in U.S.A.

**Liftr-40**  
P/N: LR-0001BK ← Part Number  
Lot: 21288 ← Julian Date  
LR-1BKXXXX ← Serial Number

  
Made in U.S.A.

**Liftr-80**  
P/N: LR-0002BK ← Part Number  
Lot: 21288 ← Julian Date  
LR-2BKXXXX ← Serial Number



# REPLACEMENT PARTS

**CO<sub>2</sub> Actuator**  
Manual Activation



**Oral Inflation Tube**



\* note that the actual bladder is black.

**Actuator Pull Handle**



**Manual Air Dump / Over Inflation Valve**



**Manual Actuator**  
**LR-SP1.3**



**Manifold Core- Teflon**  
**LR-SP1.14**



**Detonator Securing Nut**  
**LR-SP1.4**



**Over Pressure Valve Handle**  
**LR-SP1.10**



**Top Gasket LR-SP1.5**  
**Bottom Gasket LR-SP1.6**



**Retaining Clip**  
**LR-SP1.4**



**Oral Inflation Valve**  
**LR-SP1.8**



**Pull Handle Assembly**  
**LR-SP1.10**



**Over Pressure Valve**  
**LR-SP1.11**

# PRE-MISSION SETUP



Unzip and remove Liftr™ cover and visually inspect bladder.



With CO<sub>2</sub> cartridge removed, test proper function of actuator. If needed lightly lubricate with Krytox.



Install CO<sub>2</sub> cartridge into retention pocket & hand tighten.



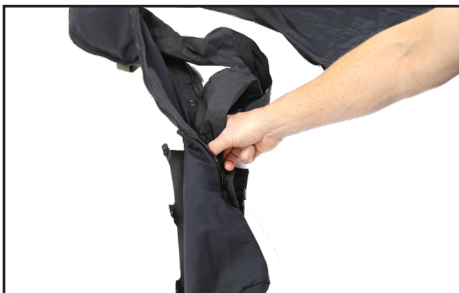
Check operation of oral inflation valve and fully inflate bladder.



Deflate bladder and feed into rear compartment.



Z fold fronts of bladder.



Stuff remaining bladder into front compartments.



Zip Liftr closed.



Pull manual inflation tube through slot to secure in place.



Fold over flaps.



Close snaps to secure.



Complete.

# INSTALLATION:

## LIFTR™ TO MTH™

### LIFTR™ 40 SHOWN:



**1** Disconnect front panel of MTH and set aside.

**2** Locate 4 LiftR retention straps (2 gray/2 black). To properly install LiftR you must have at least one black and one gray LiftR retention straps connected to the MTH. This allows for fit and function depending on how MTH is sized.



**3** Weave MTH shoulder straps into LiftR retention straps and reconnect front panel shoulder buckles. REPEAT STEP for opposite shoulder strap.

**CONTINUES ONTO NEXT PAGE**

# INSTALLATION:

## LIFTR™ TO MTH™

CONTINUED FROM PREVIOUS PAGE



4

Disconnect LiftR cummerbund straps at bottom of LiftR.



5

Weave LiftR cummerbund strap through bottom slot of the front MTH panel wing.



6

Continue weaving strap through top slot reconnect strap.



7

Tighten to secure. REPEAT STEPS 5-7 for opposite shoulder strap.



The LiftR™ is now attached to the MTH™.

# INSTALLATION:

## TO OTHER S&S PRECISION CARRIERS

### ATTACHING LIFTR™ TO S&S PLATEFRAMES & HARNESSSES

1. Attach LiftR™ to shoulder straps as shown on *Page 8*.
2. Disconnect buckles on rear of LiftR™.
3. Loosen strap as needed.
- 4a. **PF-M** - Wrap strap around cummerbund.
- 4b. **CR-M** - Weave strap from the bottom of the CR-M, over comfort foam and back through attachment slot.
5. Reconnect buckles on rear of LiftR™.
6. Tighten straps



PlateFrame-Modular™ - **PF-M**™



Chest Rig-Modular™ - **CR-M**™

# INSTALLATION: TO OTHER CARRIERS

## ATTACHING LIFTR™ TO STANDARD CARRIERS

1. Attach LiftR™ to shoulder straps as shown on *Page 8*.
2. Disconnect buckles on rear of LiftR™.
3. Loosen straps as needed and wrap strap around cummerbund
4. Reconnect buckles on rear of LiftR™.
5. Tighten straps



Crye  
**JPC 2.0 / AVS**



Eagle  
**MMAC-R**



LBT  
**6094**



# ***MAINTENANCE***

## ***PRIOR TO EACH MISSION OR WEEKLY WHILE IN USE***

- Inspect harness and straps for cuts, tears, and fraying.
- Inspect fabric shell for tears, punctures, broken seams, and chaffing.
- Inspect buckles for cracks.
- Inspect pull cord and pull handle for cuts, tears, and cracks.
- Replace LiftR™ if any damage is found.
- Ensure there are no leaks by submerging fully inflated LiftR™ and checking for leaks or by letting fully inflated LiftR™ sit for one hour without losing bladder firmness. If any leaks are found, replace bladder before use.
- Check actuator for debris and ensure proper function. If actuator is not functioning, replace before use.
- Always visually inspect actuator when removing and lightly lubricate with silicone lubricant.
- Confirm CO<sub>2</sub> cartridge weight matches printed weight on side of cartridge.
- Check dump valve for debris and ensure proper function. If dump valve is not functioning, replace before use.

## ***AFTER USE***

- Rinse entire unit in fresh water.
- Allow LIFTR™ to completely air dry. Do not expose to direct sunlight.
- Store LIFTR™ in a clean, dry area away from extreme temperatures.



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