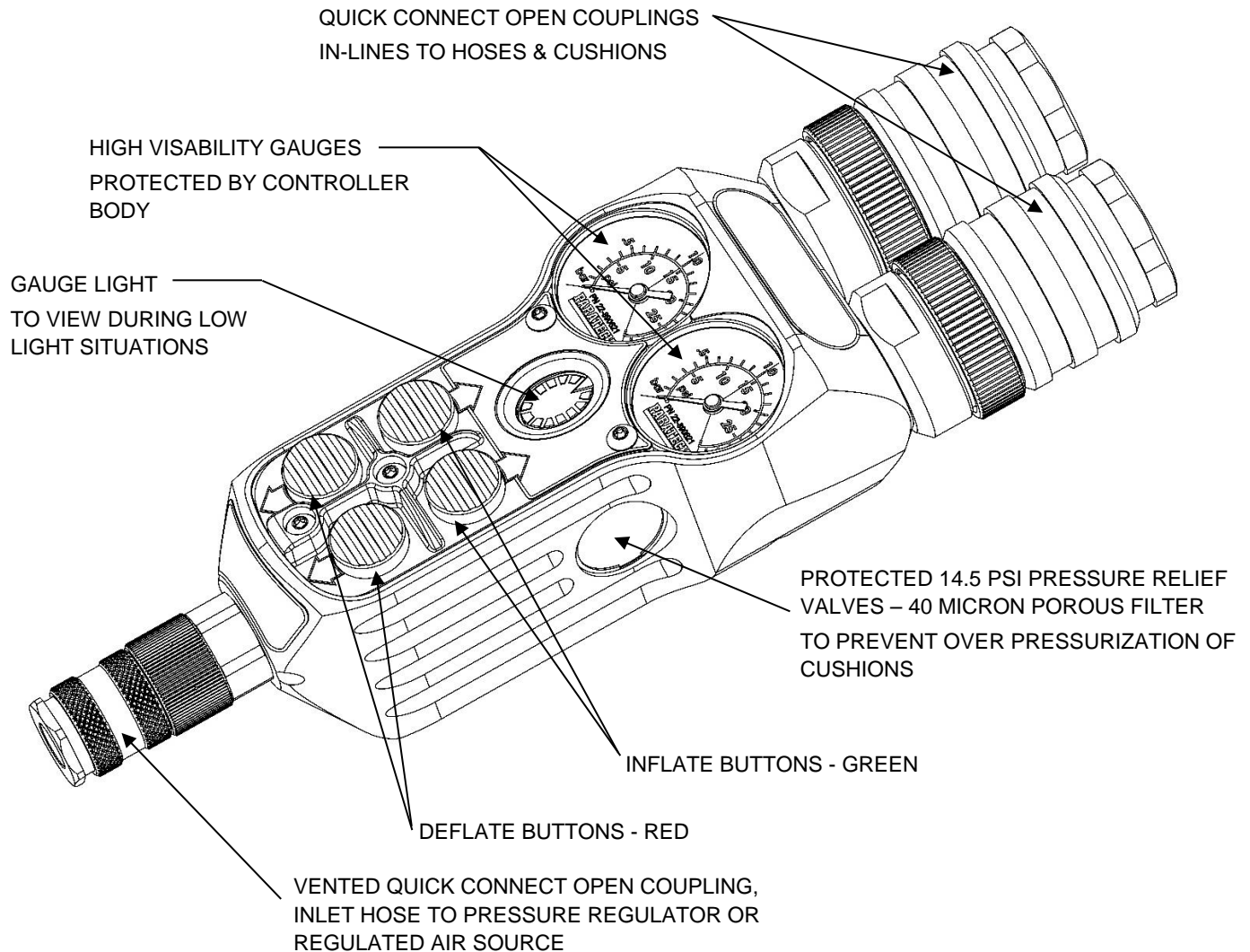


## INSTRUCTION SHEET

### G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER

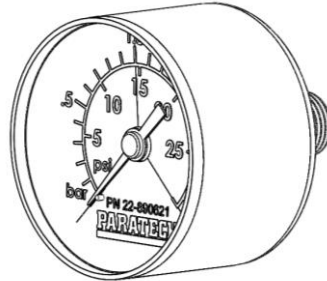
P/N: 22-887305G3

#### FEATURES:

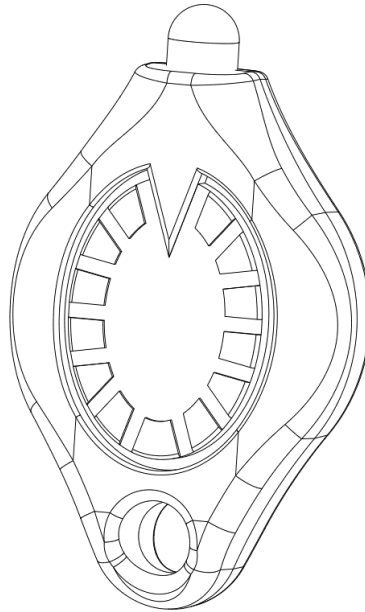


## **OPTIONAL COMPONENTS:**

1. GAUGE, PN 22-890621: Back mount 1.5" (38.1 mm) with 14.5 psi (1.0 bar) green scale and 14.5 – 30 psi (1.0 – 2.07 bar) red scale. Used to monitor system pressure, the gauge is installed inside the controller housing, see maintenance section for installation procedure. Gauge weight, .20 lbs. (.09 kg).



2. G3 Deadman Gauge Light, PN 22-890862: Ultra bright white LED flashlight with black polyurethane housing and PARATECH logo. IPX-7 rated with 3 minute timer mode to enhance battery life, see maintenance section for installation procedure. Gauge Light Weight .02 lbs. (.01 kg.)



## **BASIC SAFETY PRECAUTIONS:**

- Equipment operation must always be conducted by trained personnel.
- All personnel at the immediate lift bag site must be properly suited up (protective clothing, helmet, eye protection, gloves, footwear, etc.) at all times.
- Follow instructions for full system set-up, operation, and teardown in the Cushion Manual.
- To avoid the possibility of serious injury or death, stay clear of the loads and keep others away.
- Do not exceed the rated capabilities of the Cushion, Controller, or Hose. Excess pressure may result in personal injury.
- Control the load at all times with Stabilization Struts or cribbing.
- When using Stabilization Strut, make sure LockCollars follow the load at all times by adjusting them down as the load is lifted. A LockCollar should never get more than 1” away from the tube body.
- DO NOT rapidly drop a load. Lower the load carefully by **SLOWLY** releasing system pressure through the controller.
- Do not use a hose to carry or move attached equipment. Stress may damage the hose and fittings which could cause personal injury and equipment failure.

## **G3 CUSHION DEADMAN OPERATION:**

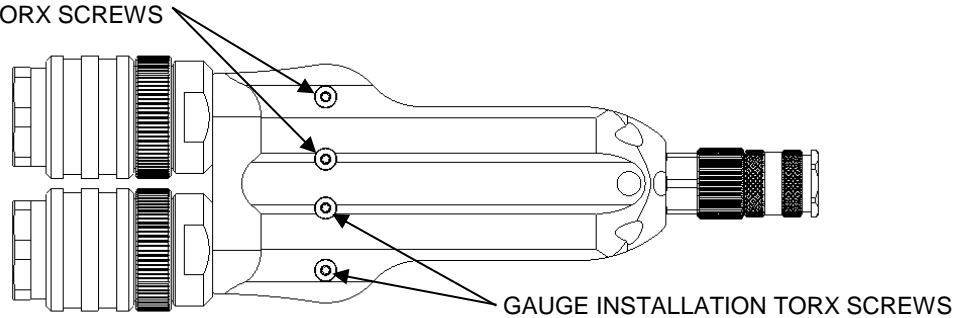
**NOTE: For safety purposes, the Locking Ring on the inlet connection vented coupling is required to be rotated to the full lock position or the system will leak.**

1. Attach the inlet quick connect vented coupling on the G3 Cushion Controller to a regulated air source.
2. Attach a safety inline relief valve to the outlet/delivery quick connect couplings being used on the G3 Cushion Controller. Check that the safety inline relief valve shut-off valves are closed (full clockwise).
3. Attach an air hose(s) between the inline relief valve(s) and Cushion(s) being used. NOTE: A different colored air hose should be used to permit the rapid and positive identification of the ALB connected to each side of the controller.
4. Turn the pressure regulator adjusting knob clockwise to increase the delivery pressure from 0 psi to 145 psi (10 bar).
5. **Slowly** open (turn counter-clockwise) the pressure regulator shut-off valve. The delivery pressure should remain at 145 psi (10 bar).
6. Open the shut-off valve on the safety inline relief valve(s).
7. Press the green inflate button on the G3 Cushion Controller repeatedly to **slowly** inflate the Cushion to the required height or 14.5 psi (1 bar). Inflating the Cushion(s) slowly will minimize the possibility of shifting. If a second Cushion is interconnected to the controller, operate the second green inflate button to **slowly** inflate the second Cushion. The Cushions may be inflated simultaneously or alternately as desired by the operator.
8. To lower the load, adjust its height, or relief pressure from the Cushions(s), press the red deflate button on the G3 Cushion Controller.
9. With the Cushion(s) inflated to the desired height/pressure close (turn clockwise) the shut-off valve on the safety inline relief valve(s).

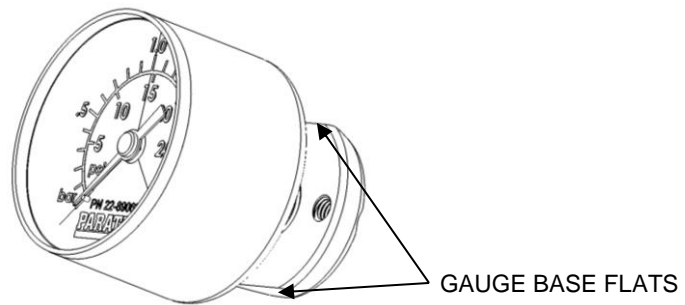
## **TOOL MAINTENANCE:**

- Gauges should be replaced if the pointer does not return to zero, shows incorrect pressure readings, or the protective cover becomes damaged or cracked. Replacement Procedure:
  1. Using a T20 Torx Driver, remove the 2 screws on the bottom side of the controller that hold the gauge in place and separate the gauge from the controller.

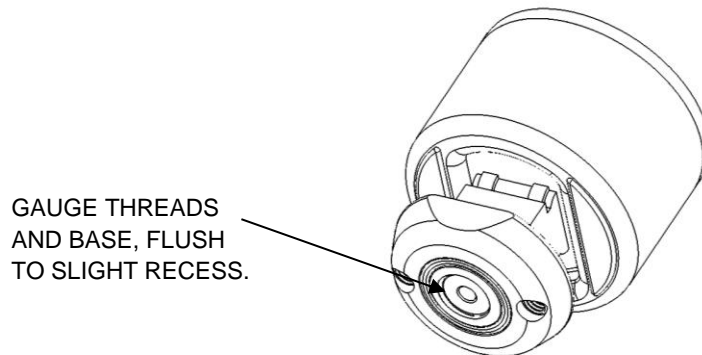
GAUGE INSTALLATION TORX SCREWS



2. Place the flats of the gauge base into a vice and unscrew using a 9/16" (14 mm) open end wrench.

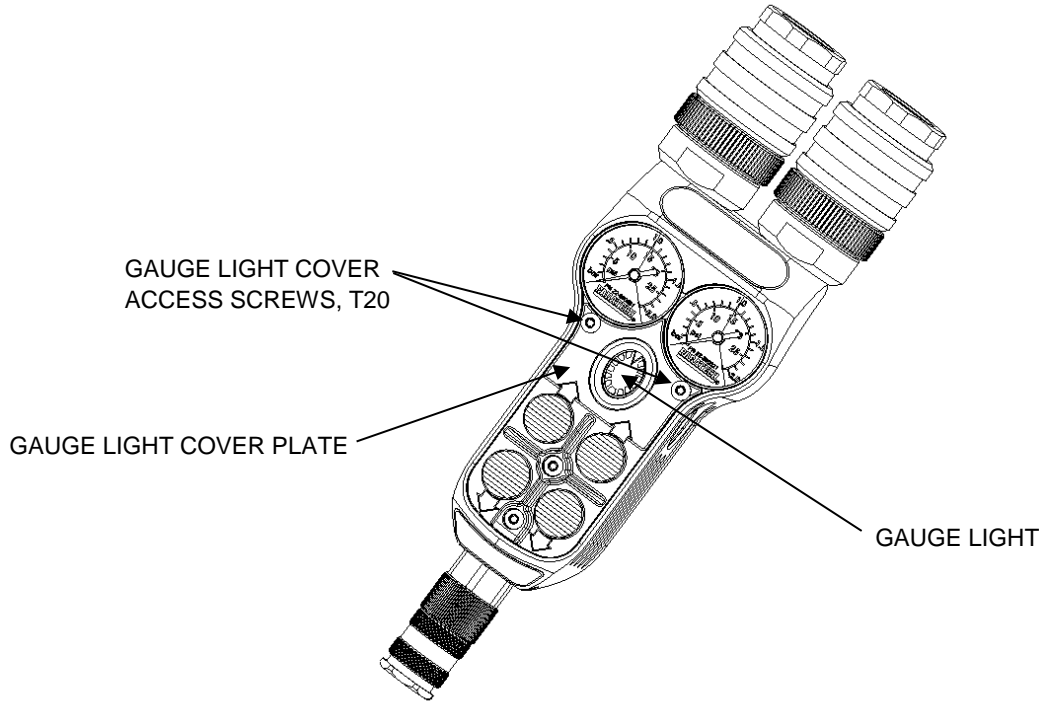


3. Discard the damaged gauge and replace it with PARATECH PN 22-890621.
4. Apply 2 wraps of Teflon tape on the new gauge threads. NOTE: to prevent system contamination keep tape off of the bottom 2 gauge threads.
5. Screw gauge back into the base and retighten until the PARATECH logo on the dial face is parallel with the vice jaws **AND** the gauge threads are flush to slightly recessed with the bottom of the gauge base.



6. Install the gauge back into the controller housing and retighten the T20 Torx screws.

- Gauge Lights can be replaced if the battery dies or the light no longer works. Replacement Procedure:
  1. Using a T20 Torx Driver, remove the 2 screws to the upper left and right of the gauge light.



2. Fold back the cover plate to expose the gauge light. NOTE: The cover plate has been designed with a living hinge so it will not be damaged by folding back on itself.
  3. Remove and discard the old gauge light and replace it with PARATECH PN 22-890862.
  4. Fold the cover plate down and reinstall the 2, T20 Torx screws.
- Keep controller free of dirt and debris. To clean, wipe all exposed surfaces with clean warm water and soft cloth.

## G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER LIMITED WARRANTY

Each G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER or component thereof, manufactured by Paratech Incorporated, has been thoroughly inspected and properly adjusted before shipment to insure the highest quality and the greatest possible reliability.

Paratech Incorporated (hereinafter referred to as "Seller") hereby warrants the G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER or component thereof to the original retail buyer only against defects in material and workmanship under normal use and service for a period of five years from the date of purchase. This warranty shall constitute the sole warranty of the Seller with respect to the G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER or component thereof. **THE SELLER HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The Seller neither assumes nor authorizes any other person to assume for it any other obligations or liabilities in connection with the sale or use of this product.

Should there be any defects in the material or workmanship of the G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER, buyer should return the defective product to the factory for inspection with shipping prepaid within five years from the date of purchase. If inspection shows that the G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER or a component thereof is defective and that such defects were not caused by negligence, misuse, accident or unauthorized service, the product sold hereunder will be repaired or replaced at the option of the Seller, without charge, FOB at the factory, Frankfort, Illinois.

**THIS REMEDY SHALL BE THE EXCLUSIVE REMEDY FOR BREACH OF WARRANTY WITH RESPECT TO THE G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER OR COMPONENTS THEREOF. THE SELLER SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY WITH RESPECT TO THE G3 DUAL DEADMAN 14.5 PSI CUSHION CONTROLLER AND COMPONENTS THEREOF FROM ANY DELAY IN THE PERFORMANCE OF THE REMEDY HEREUNDER.**

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