

CAUTION NOTICE #2
23, April, 1992

SUBJECT

POSSIBLE LOOSENING OF EMERGENCY VALVE ASSEMBLY (P/N 505-018) from the "B" SIDE BLOCK ASSEMBLY BODY (P/N 550-029) on "B" side block assembly style D.S.I. Helmets and Masks.

BACKGROUND

A "B" Side Block Assembly (P/N 505-024) was found to have an Emergency Valve Assembly (P/N 505-018) on it that was not tightened fully. These loose Emergency Valve Assembly's do not leak, and cannot become disassembled from the "B" Side Block Assembly as the Control Knob will not rotate past the Helmet Shell or Mask Frame.

RECOMMENDATIONS

If the Emergency Valve Assembly on your D.S.I. Mask or Helmet is capable of being loosened by grasping the Control Knob (P/N 520-016) on the Emergency Valve Assembly and pushing it upward with minimal force, you will need to follow the instructions on the attached sheet to insure that the parts are retightened correctly. If the Valve will not unscrew after using minimal force, do not proceed any further.

CORRECTIVE ACTION

If you are able to loosen the Emergency Valve Assembly by hand, follow these procedures;

1. Remove the Locknut (P/N 550-019), Spring (P/N 535-802), and Knob (P/N 520-016).
2. Undo the Packing Nut (P/N 550-032). When the Packing Nut is free of the threads of the Emergency Valve Body (P/N 550-036), Back out the Stem (P/N 550-035) until it is free of the Emergency Valve Body. (Do not disassemble Packing Nut (P/N 550-032), Washer (P/N 550-034), and Stem (P/N 550-035).
3. Remove the Check Valve Assembly (505-060).
4. Try turning the Emergency Valve Body (P/N 550-036) in by hand. Then, using a 8" adjustable wrench, tighten the Emergency Valve Body (P/N 550-036) by turning it in by three turns.
5. Reassemble the valve by rotating the stem (P/N 550-035) until it is seated all the way in, then back it out about 1/2 turn.
6. Start threading the packing nut (P/N 550-032) on to the body. Run the nut in and tighten slightly with a wrench.
7. Place the knob (P/N 520-016) onto the stem.
8. Tighten the packing nut (P/N 550-032) with a wrench until some friction, or some resistance is felt when turning the knob.
9. Place the Spring (P/N 535-802) and Locknut (P/N 550-019) onto the stem (P/N 550-035), securing the Knob. Tighten the Locknut. The assembly is now complete.
10. Install the Check Valve Assembly (505-060). Tighten to 240 inch pounds of torque.

Remember that you will find additional information regarding these procedures in the manual for your respective units. If you are not confident regarding your ability to preform these procedures and would like to have D.S.I inspect your Helmet, Mask, or Spare "B" Side Block Assembly, please contact our sales department regarding this matter. We will inspect, and if necessary repair it at no cost to the owner