



Kirby Morgan Dive Systems, Inc.®

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Hot Water Shroud Kit

Part #525-100

For SL 17B, 17C, 27, KM 37/57, U.S. Navy MK-21 Mod. O & Mod. I Helmets & KMB-18B & 28B Band Masks

Tools Required:

FLAT BLADE SCREWDRIVER

7/8 INCH OPEN END ATTACHMENT ON TORQUE WRENCH

11/16 INCH OPEN END ATTACHMENT ON TORQUE WRENCH

Part #	Description	Qty
510-597	Side Block Shroud	1
510-598	Corrugated Tube	1
510-599	Regulator Shroud	1
520-039	Tie Wrap	2
520-046	1" Flange	2
520-072	Sticker, KMDSI Oval Small	2

The Hot Water Shroud (Part#525-100) should be used whenever diving operations are conducted on mixed gas, or when diving in cold water. This installation is shown on a SuperLite 17C. The procedure is the same for all installations.

1) Disconnect the bent tube assembly at the side block end only. Loosen the jam nut at the regulator and rotate the bent tube away from the side block. (Fig. 1) If the bent tube will not swivel freely, you must loosen the large nut at the regulator.

2) Remove the free flow knob, locknut, spring and Knob. (Fig. 2)

3) Open the emergency valve part way. Remove the emergency valve locknut, spring and knob. Next unscrew the packing nut and valve stem and remove the valve body. (Fig. 3)

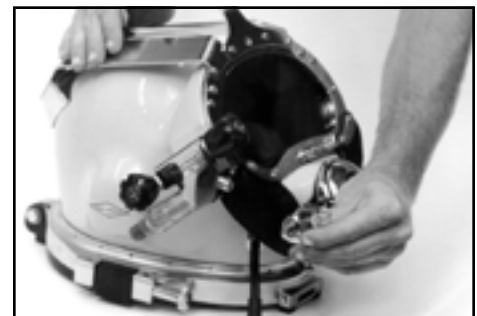


Fig. 1



Fig. 2



Fig. 3

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4) Screw the regulator adjustment knob all the way in.

5) To install the regulator shroud, slide it over the bent tube assembly and stretch it over the regulator adjustment knob. (Fig. 4)

6) Install the side block shroud. Insert the non-return and emergency valves through the square opening in the back of the shroud. Stretch the shroud over the free flow valve and bent tube connection on the opposite end of the block. Stretch the small hole in the side of the shroud over the threaded valve stem opening on the emergency valve. (Fig 5)

7) Slide one of the PVC flanges (Part #520-046) over the bent tube. (Fig. 6)

8) Install the second PVC flange in one end of the corrugated tube, (1/4 of the flange should still show).

9) Slide the corrugated tube over the bent tube (Fig. 7) and compress it. The PVC flange previously installed in the corrugated tube mates with the side block shroud.

10) Attach the side block end of the bent tube to the side block assembly. Tighten to 100 inch pounds of torque with an 11/16 inch wrench.

11) Retighten regulator jam nut to 100 inch pounds of torque. You will need to slide the PVC flange towards the side block.

12) Stretch the corrugated tube over the side block and regulator shroud.

13) Attach the tie wraps over the corrugated tube at the PVC stiffeners and tighten.

14) Trim the excess ends from the tie wraps.

15) Reinstall the free flow knob, spring, and lock nut, tightening the nut until it is flush with the knob.

16) Reinstall the emergency valve stem.



Fig. 8

17) Reinstall the packing assembly and tighten to 45 inch pounds of torque after it seats.

18) Reinstall the knob, spring, and locknut, tightening the nut until it is flush with the knob.

The completed installation should appear as pictured. (Fig. 8)

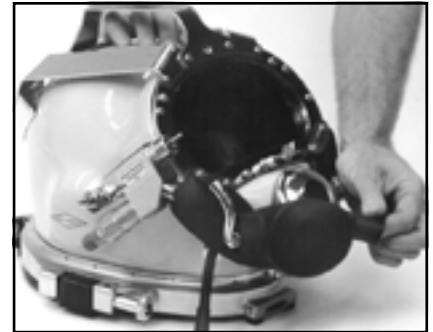


Fig. 4



Fig. 5



Fig. 6

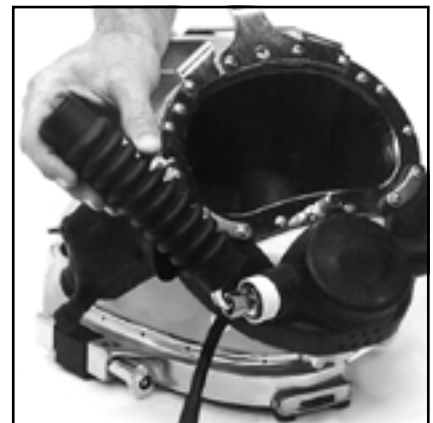


Fig. 7