$\overline{\ }$	1	2	3			4		
ſ			REV	ECO	Release	Drawn	REVISION HISTORY	
	p/n: AMSK0-0130	J-00	-0	2019-056	2020-01-06	SGO	Customer Drawing	_
	MBU-20 Mask Conversion Kit for EDS Date:		Ċ	GENERAL SPECIFICATIONS				
A			N	Material: UNS A96061 (6061-T6) Aluminum (Silicone Rubber (Items 2,3)		-T6) Aluminum (Items 1,4,7,8) ems 2,3)	A	
	Cleaned for Oxygen Service per MH ESR-	008 MOUNTAIN HIGH Equipment & Supply Company	V	Veight:	1.4 oz [4	40 g]		
			lr lr	Inlet: 6mm Push-To-Connect Tube Fitting		nect Tube Fitting		
	Overview			emperatur	e: 25°F to	25°F to +105°F [-4°C to +40°C] Nominal Operating Range		
в	The <i>MBU-20 Mask Conversion Kit</i> enables an MBU-20 Mask to be used with MH oxygen systems. The included ALPS EDS Feedtube Assembly (AMSK0-0103-00) connects the MBU-20 Mask to an MH EDS device, but a variety of other Feedtube Assemblies are available for connection to MH Constant Flow or Emergency Oxygen systems. Contact MH Customer Service for help with your particular configuration.			Pressure. 75 PSi [5.2 Bar] MAX Operating Pressure Spares: MH p/n O-ring 09001-1108-70 Membrane 09046-0001-00 Oxygen Compatible Components Cleaned for Oxygen Service per MH ESR-008			в	
	The Conversion Kit consists of an Inlet Adapter Set and an Outlet (or Exhaust) Adapter Set. Each Inlet/Outlet Adapter Set in turn consists of an Interior and Exterior portion that are together fitted into the side-ports of the MBU-20 Mask. The Inlet Adapter Set includes a push-to-connect tube fitting for connection to an MH EDS device (or other oxygen source), and a flapper-type one-way Check-Valve Membrane which allows ambient air to be drawn in to be mixed with the inlet oxygen. The Outlet Adapter Set is merely an exhaust port that includes another Check-Valve Membrane which opens on exhalation and closes on inhalation.			ItemDescrip1Inlet Ac2Membra3O-Ring4Inlet Ac5Label	ption lapter (Interior) ane lapter (Exterior)			
C	Inlet Adapter Set	Outlet Adapter Set	-	6 Inlet Fit 7 Outlet A 8 Outlet A	ting, 6mm tube Adapter (Interior) Adapter (Exterior)			C
	Ø1 1/2[37]	≪Ø1 1/2[37] →	L				(2)	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

INTERPRET GD&T PER ASME 14.5

THIRD ANGLE

PROJECTION

DO NOT SCALE

DRAWING

ANGLES $\pm 3^{\circ}$

DRAWN

CHECKED

ENGINEER

APPROVED

FRACTIONS ± 1/64

63

2019-12-27

2020-01-06

2020-01-06

SGO TITLE

HBS

3

EAM DWG

EER TD CAD AMSK0-0130-00\$-0

DWG

NUMBER

DWG FORMAT:

ESR-002 Rev H [20] SCALE

0.X ±0.015

0.XX ±0.010

0.XXX ±0.005

MOUNTAIN HIGH E&S CO.

REDMOND, OR. USA

D

DWG REV.

dwg A

SIZE 11x8½

PROD.

NAME

1 OF 2

Insert #: 5IMSK-0130-00

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5SMSK-0130-00

INV. PART NUMBER

DWG

MBU-20 Mask Conversion Kit for EDS

AMSK0-0130-00

DWG SHEET

Exterior 1 1 2

D

<u> </u>	1	2	3	4			
	Testing the Check-Valve Function	ck the inlet tube fitting by placing a	Replacing the Check-Valve Membranes				
A	finger over the end. As you inhale you should Inlet Adapter side (with the tube fitting). As you through the Outlet Adapter side. If there is cor	notice that air is drawn-in through the u exhale, air should be exhausted striction or blockage in either path,	Disassembling the Adapters				
	See below for information on replacing the Che	e sure that they are properly installed. eck-Valve Membranes.	Internal portion (conventional right-hand thread). You will need to grasp the Internal portion of the <i>Outlet</i> Adapter in order to unthread the External portion. The Internal				
	This test should be performed prior to each flig source connected.	ht, and may be done with your oxygen	portion of the <i>Inlet</i> Adapter should be held by tabs around the mask side-port opening and shouldn't need to be held in the same manner. Once the External portion has been unthreaded, withdraw the Internal portion from the mask. The				
_	Connecting Your Oxygen Source		Internal and External portions can now be inspected and cleaned separately. The Check-Valve Membranes may either be replaced at this point, or removed, cleaned				
в	Your oxygen source is easily connected to the PolyUrethane Tubing. A variety of Feedtube A Customer Service for help with your particular	MBU-20 Mask with 6mm OD (blue) ssemblies are available. Contact MH	and re-installed.				
	Customer Service for help with your particular		Removing/Cleaning the Check-Valve Membranes				
		n Push-To-Connect Fitting	Pull on one edge of the Check-Valve Membrane to stretch it and pull it off over the retaining button. Clean the Membrane with mild (dish) soap and warm water and allow to dry.				
		INSERTING Push in the tubing					
	Image: marked system REMOVING 1. Push in the connector collar		Installing the Check-Valve Membranes				
		2. Pull the tube straight back while holding the collar in	Hold the center hole of the Membrane ov opposite edge of the Membrane in order the Membrane is centered and does not	rer the retaining button while pulling on the to stretch it over the button. Make sure that have any puckers or wrinkles.			
	To INSERT TUBING: Push the tubing into the	e connector until resistance is felt,	Assembling the Adapters				
С	then push a little further, about 1/8 inch [3 r make sure it is captured.	nm]. Gently tug on the tubing to	The Inlet/Outlet Adapters may be installed (as a set) into either the left or right side of the mask as preferred, but the Internal/External portions of each Adapter set <u>must</u>				
	To REMOVE TUBING: Push the tubing in slig collar while pulling gently on the tubing.	htly, then push in the connector	be kept together! Align the Internal portion of the Adapter v	vith the tabs around the mask side-ports and			
	When removing tubing, <u>DO NOT</u> pull on the t collar, as this will likely damage the connector	ubing without pushing in the	install it into the mask so that the threads protrude on the front side of the mask. Thread the External portion of the Adapter onto the threads of the Internal portion. Tighten sufficiently so that the Adapter will not come loose or move while in use.				
	Inspection and Maintenance		<i>Outlet Adapter:</i> the Internal portion must be grasped in order to tighten the External portion. Also, the 2 exhaust-ports should be positioned downwards in order to avoid exhaling directly onto your glasses or visor. Re-position and re-tighten as required.				
D	Your MBU-20 Mask should be periodically insp hygiene as well as ensure that the mask contir mask free of dirt and debris and store it proper cleaning can be accomplished with the mask fu	ected and cleaned in order to maintain ues to function properly. Keep your ly when not being used. Rudimentary ully assembled, but for more thorough					

Note that cleaning or replacement of the Inlet Check-Valve Membrane may be able to be accomplished without disassembly.

disassembled (see below).

1

2

DWG NUMBER

3

DWG REV. -0

Insert #: 5IMSK-0130-00

5SMSK-0130-00

DWG SHEET 2 OF 2