



AUXILIARY EXHALATION VALVE ASSEMBLY KIT 29513-01

FOR SCOTT® AV-2000® FULL FACEPIECE WITH FOUR-POINT RUBBER HEAD HARNESS WITH SNAPS

Auxiliary Exhalation Valve Assembly Kit 29513-01 is intended for installation in SCOTT AV-2000 full facepieces part number 804871-01 (small), 804871-02 (large), and 804871-03 (extra large) only. See note on Page 2 of this instruction for additional information on facepiece part number identification.

Auxiliary Exhalation Valve Assembly Kit 29513-01 is intended to reduce the formation of condensed water droplets on the inside of the facepiece lens (commonly referred to as lens fogging), during stand-by use. Stand-by use occurs when the facepiece is worn but the facepiece mounted breathing regulator is not in the facepiece and the user is breathing ambient air through the regulator mounting port of the facepiece. When properly installed and properly maintained, valve assembly 805353-01 will be effective in reducing facepiece fogging in ambient temperature down to 0°F when facepiece is worn in the stand-by mode.

Installation of the Auxiliary Exhalation Valve Assembly Kit requires the installation of exhalation valve assembly 805353-01 in place of the existing nose cup retaining ring and the modification of the existing facepiece identification label to indicate a change to the facepiece assembly part number. After installation of Auxiliary Exhalation Valve Assembly Kit 29513-01, the modified facepiece will be identified as part number 804871-31 (small), 804871-32 (large), or 804871-33 (extra large).

This Exhalation Valve Assembly is **not** intended for use on SCOTT AV-2000 Full Facepiece Assemblies used for air purifying applications.

LIMITATION OF USE

Full facepiece assembly part number 804871-31 (small), 804871-32 (large), or 804871-33 (extra large) may be used as a component of Scott model 4.5, model 3.0, or model 2.2 self-contained breathing apparatus (SCBA). However, because the Auxiliary Exhalation Valve causes an increase in the resistance to air flow when used with air-purifying cartridges and filters, these facepieces may not be used as a component of any Scott air-purifying respirator.

WARNING

AUXILIARY EXHALATION VALVE ASSEMBLY KIT 29513-01 IS INTENDED FOR INSTALLATION IN THE FACEPIECE OF A RESPIRATOR WHICH MAY SUPPORT HUMAN LIFE IN HAZARDOUS ATMOSPHERES. FAILURE TO READ, UNDERSTAND AND CAREFULLY FOLLOW THESE INSTRUCTIONS WHEN INSTALLING THE AUXILIARY EXHALATION VALVE AND/OR FAILURE TO CHECK YOUR WORK AS INSTRUCTED HEREIN, MAY RESULT IN PERSONAL INJURY OR DEATH OF THE USER OF THE RESPIRATOR.

Parts Included in Auxiliary Exhalation Valve Assembly Kit 29513-01

- Auxiliary Exhalation Valve Assembly .. 805353-01
- Label, Modified Facepiece 10011068
- Instruction sheet 89411-01

INSTALLATION OF AUXILIARY EXHALATION VALVE ASSEMBLY KIT 29513-01

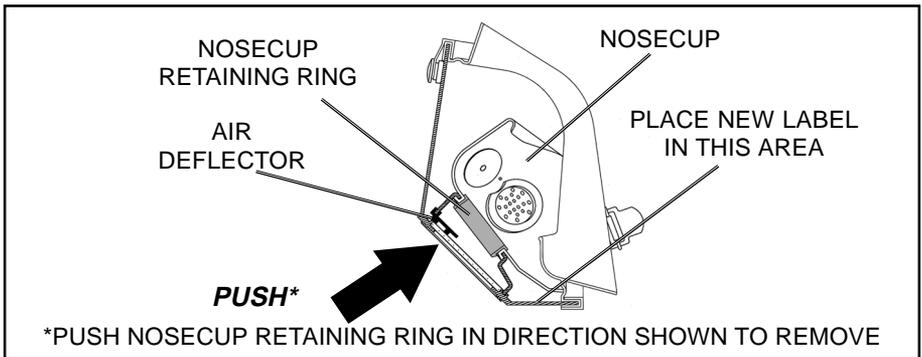
1. Inspect facepiece that the valve assembly is to be installed in. Facepiece must be P/N 804871-01, -02, or -03 (SCOTT AV-2000 with four point rubber head harness with snaps). It must be complete and undamaged. If any damage is noted during the inspection, repair or replace facepiece before installing valve assembly.

NOTE

AV-2000 facepieces are identified by a label located on the chin area of the clear plastic lens, between the regulator mounting port and the rubber seal. This label may list part number 804870 (SERIES), the part number of the facepiece or part number 804871 (SERIES), the part number of the facepiece assembly complete with head harness. This kit may be installed in facepieces labeled:

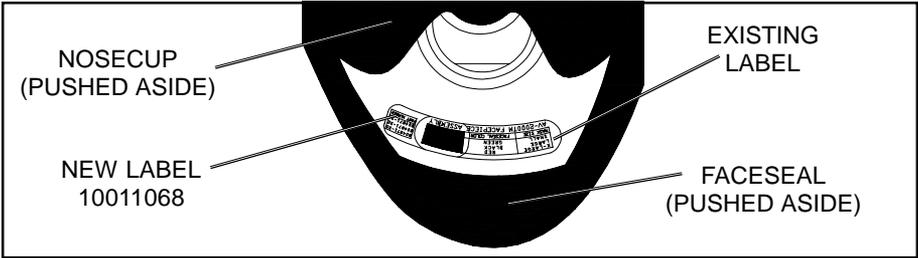
PART NUMBER		PART NUMBER
804870-01	OR	804871-01
804870-02		804871-02
804870-03		804871-03

This kit may not be installed in a facepiece labeled with any other part numbers than shown above.



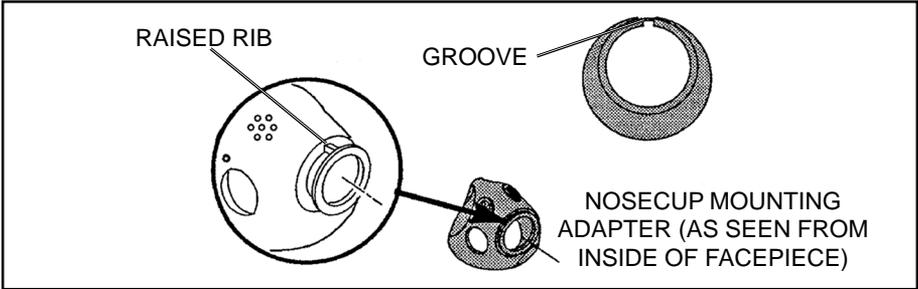
**FIGURE 1
NOSECUP RETAINING RING REMOVAL**

2. Remove the Nosecup Retainer Ring by pushing it back into the nose cup from the adapter port in the front of the facepiece. See Figure 1.
3. From inside facepiece, push nosecup and chin portion of faceséal aside and place Label, Modified Facepiece 10011068 on bottom inside of facepiece lens. Position Label so that the black area of the new label covers the part numbers on the existing label. See Figure 2.



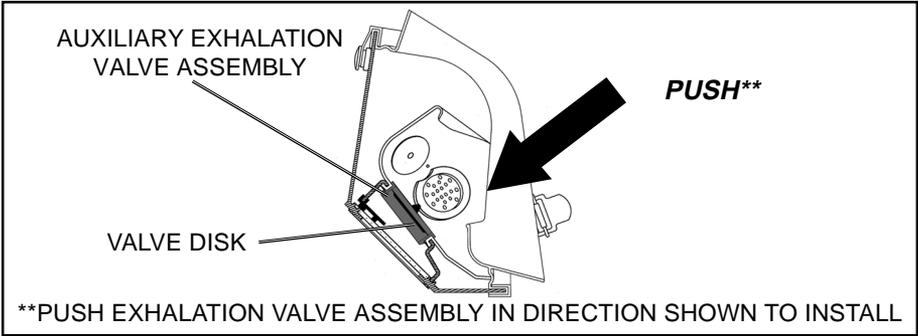
**FIGURE 2
LABEL PLACEMENT (AS SEEN FROM INSIDE FACEPIECE)**

4. Ensure that flange of nosecup assembly is refitted into clear nosecup mounting adapter of facepiece assembly. Make sure raised rib in flange of nosecup is positioned in notch of nosecup mounting adapter, and bottom of nosecup is behind chin pocket of face seal. See Figure 3.



**FIGURE 3
NOSECUP ALIGNMENT**

5. From inside of facepiece, insert small diameter of Auxiliary Exhalation Valve Assembly 805353-01 into face side of nosecup as shown in Figure 4. Push Exhalation Valve Assembly firmly into nosecup mounting adapter opening while observing through adapter port to be sure Exhalation Valve Assembly is fully seated. Ensure that nosecup flange fits evenly in mounting adapter.



**FIGURE 4
AUXILIARY EXHALATION VALVE ASSEMBLY INSTALLATION**

6. Ensure that valve disk lays flat inside the Auxiliary Exhalation Valve Assembly.
7. Inspect operation according to CHECK YOUR WORK section of this instruction.

Check your work!

1. After installation of Auxiliary Exhalation Valve Assembly Kit 29513-01 is complete, don facepiece as directed in the OPERATION AND MAINTENANCE INSTRUCTIONS supplied with your SCOTT SCBA. Do not install regulator in facepiece. Breath normally through the regulator mounting port. Breathing should be unimpaired. The auxiliary valve should open on exhalation and close on inhalation. If breathing is difficult or if valve operation is not as described, do not use facepiece. Review instructions and correct the problem before use.
2. After checking valve function without regulator in place, attach the regulator of a complete SCBA to facepiece and perform the REGULAR OPERATION INSPECTION as directed in the OPERATING AND MAINTENANCE INSTRUCTIONS supplied with your SCOTT SCBA. The regulator operational inspection must be successfully performed while using the facepiece in which Auxiliary Exhalation Valve Assembly Kit 29513-01 was installed before using the respirator.

WARNING

THE FACEPIECE WHICH AUXILIARY EXHALATION VALVE ASSEMBLY KIT 29513-01 IS INTENDED TO BE INSTALLED IN IS A COMPONENT OF A SELF-CONTAINED BREATHING APPARATUS (SCBA) WHICH MAY BE USED TO SUPPORT HUMAN LIFE IN A HAZARDOUS ATMOSPHERE. FAILURE TO CHECK YOU WORK AS INSTRUCTED MAY RESULT IN THE PERSONAL INJURY OR DEATH OF A RESPIRATOR USER.

CLEANING

Facepieces which have been modified by installing Auxiliary Exhalation Valve Assembly Kit 29513-01 may be cleaned and maintained in accordance with the cleaning and maintenance instructions supplied with the facepiece.

MAINTENANCE

When inspecting facepiece, also inspect Auxiliary Exhalation Valve Assembly 805353-01. If the valve becomes stiff, the valve holder or the valve is cracked or is missing, replace complete Exhalation Valve Assembly 805353-01. Do not attempt to repair Exhalation Valve Assembly 805353-01.



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