



VSP - 125

DATE: October 25, 2000 (S/M)

## VENDOR SERVICE PUBLICATION

**TO:** All Affected Owners/Operators, Piper Domestic and International Distributors, and Authorized Piper Service Centers.

**SUBJECT:** Distribution of: **Scott Aviation Service Bulletin No. 289-601-35-06**  
**"Passenger Oxygen Masks"**

### **MODELS AFFECTED:**

PA-46-310P Malibu	46-8408001 thru 46-8608067, 4608001 thru 4608140
PA-46-350P Malibu Mirage	4622001 thru 4622200, 4636001 thru 4636271
PA-31P-350 Mojave	31P-8414001 thru 31P-8414050
PA-31T Cheyenne	31T-7400002 thru 31T-7400009, 31T-7520001 thru 31T-7720069
PA-31T Cheyenne II	31T-7820001 thru 31T-8120104
PA-31T1 Cheyenne I	31T-7804001 thru 31T-8104101
PA-31T1 Cheyenne IA	31T-8304001 thru 31T-8304003, 31T-1104004 thru 31T-1104017
PA-31T2 Cheyenne IIXL	31T-8166001 thru 31T-8166076, 31T-1166001 thru 31T-1166008
PA-42 Cheyenne III	42-7800001 thru 42-7800002, 42-7801003 thru 42-8001106

**COMPLIANCE TIME:** In accordance with the attached Scott Aviation Service Bulletin, No. 289-601-35-06, "Passenger Oxygen Masks."

**PURPOSE:** To provide distribution of Scott Aviation Service Bulletin, No. 289-601-35-06, "Passenger Oxygen Masks."

ATA CODE: 3521



# SERVICE BULLETIN

## OXYGEN (ATA SYSTEM 35)

### PASSENGER OXYGEN MASKS

**P/N 289-601 SERIES WITH INFLATABLE FLOW INDICATOR  
MANUFACTURED DURING MARCH 2000 ONLY**

### FIELD INSPECTION AND REPLACEMENT IF NECESSARY

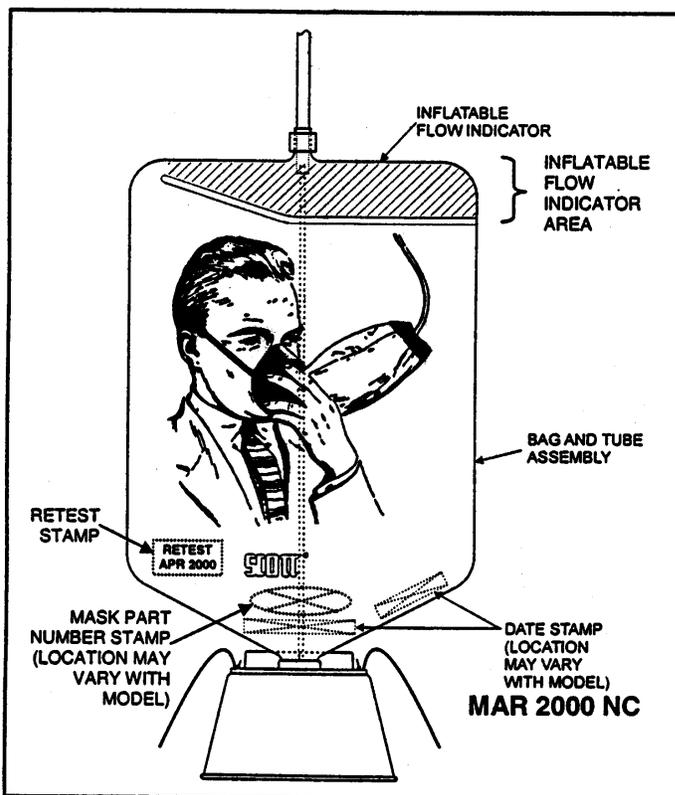
#### 1. PLANNING INFORMATION

##### A. Effectivity - Aircraft

Any aircraft equipped with passenger oxygen masks may be affected by this service bulletin.

##### B. Effectivity - Passenger Oxygen Masks P/N 289-601 Series (except P/N 289-601-211-2 and 289-601-223-1)

Continuous-flow passenger oxygen masks P/N 289-601 Series manufactured only during March 2000 by Scott Aviation and containing inflatable flow indicators are affected by this service bulletin. Affected passenger oxygen masks may be identified by the manufacture date stamp of **MAR 2000 NC** on the oxygen bag. Masks that have a **RETEST** stamp in addition to the **MAR 2000 NC** stamp are exempt from this service bulletin. Refer to Figure 1 for an illustration.

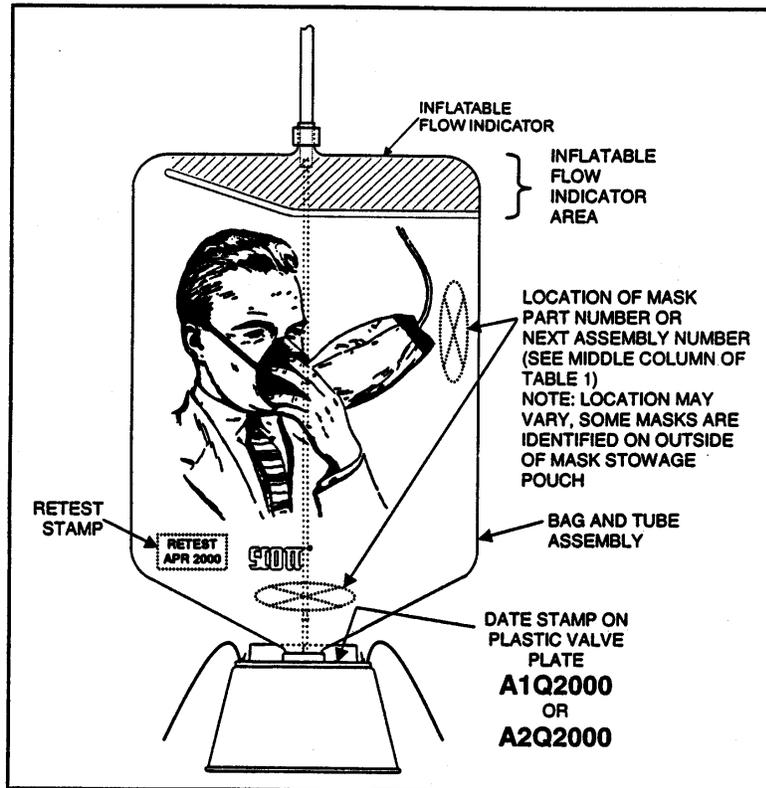


Typical P/N 289-601 Series  
(except P/N 289-601-211-2 and 289-601-223-1 see Figure 2)  
Passenger Oxygen Mask with Inflatable Flow Indicator  
Figure 1

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## C. Effectivity - Passenger Oxygen Masks P/N 289-601-211-2 and 289-601-223-1

Continuous-flow passenger oxygen masks P/N 289-601-211-2 and 289-601-223-1 manufactured only during March 2000 by Scott Aviation and containing inflatable flow indicators are affected by this service bulletin. Affected passenger oxygen masks may be identified by the manufacture date stamp of **A1Q2000** or **A2Q2000** on the plastic valve plate and the lack of a date stamp on the bag. Masks that have a **RETEST** stamp on the bag in addition to the **A1Q2000** or **A2Q2000** stamp are exempt from this service bulletin. Refer to Figure 2 for an illustration.



P/N 289-601-211-2 and 289-601-223-1 Only  
(see Figure 1 for other P/N 289-601 Series)  
Passenger Oxygen Mask with Inflatable Flow Indicator  
Figure 2

## D. Effectivity - Part Numbers of Passenger Oxygen Masks, Next Assemblies and End-Item Assemblies

The specific part numbers of passenger oxygen masks listed in Table 1 were manufactured during March 2000 and are the only masks affected by this service bulletin. Masks with part numbers not listed in Table 1 do not need to be inspected to this service bulletin. Also listed are next assemblies and end-item assemblies that may use these masks. The masks may be installed onto an aircraft as a P/N 289-601 Series mask, or they may be a component of an end item assembly, such as oxygen mask dispensing containers. There may be other end item applications for these masks not listed.



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Table 1 (Sheet 1 of 3)  
 Part Numbers of  
 289-601 Series Passenger Oxygen Masks Manufactured During March 2000, and  
 Associated Next Assemblies & End Item Assemblies

Part Number of Passenger Mask	Scott Part Numbers of Next Assemblies or End-Item Assemblies	Description of Next or End Item Assemblies
289-601-50	833-808-01, 833-808-02, 833-808-03	Oxygen Mask Container
289-601-202	none	
289-601-204	833-190-1, 833-190-3, 833-355-2	Oxygen Mask Dispensing Container
289-601-205	none	
289-601-206	none	
289-601-211	800987-00	Passenger Service Unit
	801161-00, 801232-00	Mask Assembly
	803204-00, 803204-01, 803204-02, 803204-03, 803204-04	Mask and Fitting
289-601-211-1	803201-10, 803201-13, 803201-15, 803201-17, 803204-10, 803204-11, 803204-12, 803204-13, 803204-14	Mask and Fitting
289-601-211-2 (with manufacture date stamp of <b>A1Q2000</b> or <b>A2Q2000</b> on plastic valve plate)	5500-[ ][ ]P Series, 5500-[ ][ ]Q Series, 5500-[ ][ ]R Series, 5500-[ ][ ]S Series, 5500-[ ][ ]T Series, 5500-[ ][ ]U Series, 5500-[ ][ ]V Series, 5500-[ ][ ]W Series example: 5500-A6W-BB15A	Portable Oxygen Unit
	801807-01, 801807-02, 801807-03, 801807-04, 801807-05, 801808-01, 801808-02, 801808-03, 801808-04, 801808-05, 801808-06, 803177-01, 802876-01, 802876-02, 805436-01	Mask, Bag and Harness
	802266-03	Mask and Lanyard
	802875-01, 802875-02	Mask and Connector
	802896-02, 802896-03, 803201-00, 803201-01, 803201-03, 803201-05, 803201-07, 803447-01	Mask and Fitting
	803263-03, 803263-04	Oxygen System
	803668-01	Portable Oxygen Unit
	894 Series including 894-20330, 894-30220, 894-30330, 894-30430, 894-40330	Portable Oxygen Unit



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Table 1 (Sheet 2 of 3)  
 Part Numbers of  
 289-601 Series Passenger Oxygen Masks Manufactured During March 2000, and  
 Associated Next Assemblies & End Item Assemblies

Part Number of Passenger Mask	Scott Part Numbers of Next Assemblies or End-Item Assemblies	Description of Next or End Item Assemblies
289-601-212	none	
289-601-213	5500-[ ][ ]M Series, 5500-[ ][ ]Y Series example: 5500-A1M-AA15B	Portable Oxygen Unit
	803177-02, 803177-03	Mask, Bag and Harness
289-601-214	805118-01	Mask, Bag and Harness
	9700-[ ][ ]C Series example: 9700-C2C-F20D	Portable Oxygen Unit
289-601-218	803338-01, 803339-01, 803340-01	Oxygen Generator Assy.
289-601-223	none	
289-601-223-1 (with manufacture date stamp of <b>A1Q2000</b> or <b>A2Q2000</b> on plastic valve plate)	802165-02	Hose, Mask and Equalizer
	802501 Series, 802511 Series	Aviox® Single-Pak Portable Oxygen Unit
	802502 Series, 802512 Series	Aviox Duo-Pak® Portable Oxygen Unit
	803203-01	Hose and Mask
289-601-224	833-190-5, 833-610-1	Oxygen Mask Dispensing Container
289-601-228	833-115 Series, 833-160 Series, 833-190 Series, 833-210 Series, 833-220 Series, 833-325 Series, 833-336 Series, 833-355 Series, 833-390 Series, 833-475 Series, 833-578 Series, 833-580 Series, 833-600 Series, 833-610 Series, 833-626 Series, 833-640 Series, 833-648 Series, 833-649 Series, 833-65 Series, 833-650 Series, 833-663 Series, 833-664 Series, 833-675 Series, 833-730 Series, 833-765 Series, 833-771 Series, 833-786 Series, 833-787 Series, 833-788 Series, 833-789 Series, 833-790 Series, 833-800 Series, 833-801 Series, 833-801 Series, 833-805 Series, 833-807 Series, 833-809 Series, 833-810 Series, 833-811 Series, 833-812 Series, 833-910 Series <u>except:</u> 833-190-1, 833-190-3, 833-190-5, 833-220-1, 833-355-2, 833-610-09, 833-610-1	Oxygen Mask Dispensing Container
289-601-228-3	833-610-09	Oxygen Mask Dispensing Container
289-601-232	833-220-1	Oxygen Mask Dispensing Container



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Table 1 (Sheet 3 of 3)  
Part Numbers of

289-601 Series Passenger Oxygen Masks Manufactured During March 2000, and  
Associated Next Assemblies & End Item Assemblies

Part Number of Passenger Mask	Scott Part Numbers of Next Assemblies or End-Item Assemblies	Description of Next or End Item Assemblies
289-601-235	none	
289-601-240	none	
289-601-245	none	
289-601-247	none	
289-601-248	none	
289-601-258	none	
289-601-342	none	
289-601-345	none	
289-601-701	none	
289-601-708	none	
289-601-711	none	
289-601-717	none	
289-601-721	none	
289-601-727	none	
289-601-731	none	
289-601-732	none	
289-601-734	none	
289-601-738	none	
289-601-742	none	
289-601-761	none	
289-601-762	none	
289-601-763	none	
289-601-766	none	
289-601-767	none	
289-601-863	none	
289-601-901-02	none	



# SERVICE BULLETIN

## E. Reason

During March 2000, some P/N 289-601 Series Passenger Oxygen Masks were manufactured using radio frequency welding equipment that did not achieve a full strength weld of the oxygen bag in the area between the inflatable flow indicator and the main oxygen reservoir area. As a result, the inflatable flow indicator of the affected masks may not indicate oxygen flows of a very low level (1 lpm or less). The function of the passenger oxygen mask is not affected in any way. Oxygen will be delivered to the user even if oxygen flow is not indicated.

Not all P/N 289-601 Series passenger oxygen masks listed in Table 1 that were manufactured during March 2000 are affected. However, there is no visual inspection or test of the weld possible in the field. Therefore, all masks listed in Table 1 and with a manufacture date stamp **MAR 2000 NC**, or **A1Q2000** or **A2Q2000** (only on P/N 289-601-211-2 and 289-601-223-1), are to be replaced. Any mask with a **RETEST** stamp, as shown in Figures 1 and 2, has been retested at the factory and is exempt from this service bulletin.

During March 2000, approximately 16,151 P/N 289-601 Series passenger oxygen masks were manufactured and shipped from Scott Aviation. Approximately 8,000 affected masks have been retrieved by Scott at the time of service bulletin publication. It is the intention of Scott Aviation to replace all the affected masks.

## F. Description

This service bulletin advises the field of inspection and replacement of certain Scott P/N 289-601 Series passenger oxygen masks that were manufactured during March 2000. All masks listed in Table 1 are approved under FAA TSO C64a (except P/N 289-601-211-1).

This service bulletin has been sent to all customers known to have received potential affected masks. Scott Aviation grants permission to make extra copies of this service bulletin and distribute them as necessary. Or, contact Scott Aviation for extra copies of this service bulletin.



# SERVICE BULLETIN

## G. Recommended Compliance

### (1) Masks in Stock

Within 60 days after receipt of this service bulletin, all P/N 289-601 Series masks listed in Table 1 that are in stock and that were received after 01-March-2000 are to be inspected for the manufacture date stamp of **MAR 2000 NC**, or **A1Q2000** or **A2Q2000** (only on P/N 289-601-211-2 and 289-601-223-1). Masks with a **RETEST** stamp are exempt from this service bulletin.

### (2) Next Assemblies or End Item Assemblies in Stock

Within 60 days after receipt of this service bulletin, all next assemblies and end item assemblies listed in Table 1 that are in stock that contain masks listed in Table 1 that may have been manufactured during March 2000 must be inspected for the manufacture date stamp of **MAR 2000 NC**, or **A1Q2000** or **A2Q2000** (only on P/N 289-601-211-2 and 289-601-223-1). Masks with a **RETEST** stamp are exempt from this service bulletin.

### (3) Masks Installed onto Aircraft in Mask Dispensing Units

At the time of next scheduled inspection of the passenger oxygen mask, all P/N 289-601 Series masks listed in Table 1 that may have been installed onto aircraft after 01-Mar-2000 must be inspected. Scott Aviation recommends inspection of the P/N 289-601 Series mask at least annually. If the mask part number is listed in Table 1 and is found to have a manufacture date stamp of **MAR 2000 NC**, or **A1Q2000** or **A2Q2000** (only on P/N 289-601-211-2 and 289-601-223-1), it is to be removed from the aircraft at that time. Masks with a **RETEST** stamp are exempt from this service bulletin.

### (4) Masks Installed on Portable Oxygen Dispensing Systems

#### (a) P/N 5500 Series Portable Oxygen Units with One or More 0.5 lpm Flow Outlets (Part Number Format of 5500-[ ][ ][-A] Series or P/N 5500-[ ][ ][-]A Series )

Within 60 days after receipt of this service bulletin, all P/N 289-601 Series masks listed in Table 1 that may have been installed onto aircraft after 01-Mar-2000 as components of P/N 5500-[ ][ ][-A Series or P/N 5500-[ ][ ][-]A Series Portable Oxygen Units must be inspected. If the mask part number is listed in Table 1 and is found to have a manufacture date stamp of **MAR 2000 NC**, or **A1Q2000** or **A2Q2000** (only on P/N 289-601-211-2 and 289-601-223-1), it is to be removed from the aircraft at that time. Masks with a **RETEST** stamp are exempt from this service bulletin.

#### (b) All Other Portable Oxygen Dispensing Systems

At the time of the next scheduled inspection of the passenger oxygen mask, all P/N 289-601 Series masks listed in Table 1 that may have been installed onto aircraft after 01-Mar-2000 as components of portable oxygen dispensing systems must be inspected. Scott Aviation recommends inspection of the P/N 289-601 Series mask at least annually. If the mask part number is listed in Table 1 and is found to have a manufacture date stamp of **MAR 2000 NC**, or **A1Q2000** or **A2Q2000** (only on P/N 289-601-211-2 and 289-601-223-1), it is to be removed from the aircraft at that time. Masks with a **RETEST** stamp are exempt from this service bulletin.



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**H. Approval**

The technical aspects of this service bulletin have been reviewed by the Federal Aviation Administration (FAA).

**J. Manpower**

Inspection of a passenger oxygen mask for manufacture date takes approximately 5 seconds.

**K. Weight and Balance**

No effect.

**L. References**

None.

**M. Other Publications Affected**

None.



# SERVICE BULLETIN

## 2. MATERIAL INFORMATION - PRICE AND AVAILABILITY

Replacement passenger oxygen masks are available free of charge from Scott Aviation.

## 3. ACCOMPLISHMENT INSTRUCTIONS

- A. Inspect your purchasing records, spares stock and aircraft maintenance records to determine if you have any of the masks listed in Table 1 that may have been manufactured during March 2000.
- B. If you may have a potential affected mask listed in Table 1, inspect the mask for a manufacture date stamp of **MAR 2000 NC**, or **A1Q2000** or **A2Q2000** (only on P/N 289-601-211-2 and 289-601-223-1). If the mask has a **RETEST** stamp it is exempt from this service bulletin. Refer to Figures 1 and 2 for the location of the date and retest stamps.
- C. If you do have an affected mask, put a tag on the mask reading "DO NOT USE - HOLD FOR SCOTT AVIATION."
- D. If you do have an affected mask, contact Scott Aviation as described below to receive a replacement mask. Do NOT send any mask back to Scott Aviation until you have received a Return Authorization Form from Scott.

To contact Scott Aviation

Fax: 1-716-681-1089 (attn: Technical Support)  
E-Mail: [avcustserv@scottaviation.com](mailto:avcustserv@scottaviation.com)  
Tel: 1-716-686-1798 (Technical Support)

Information Required

Name of Contact Person  
Company Name & Shipping Address  
Telephone & Fax Numbers  
E-Mail Address  
Mask Part Number  
Mask Quantity

- E. When you receive the replacement mask, inspect the mask and make sure that it is the correct part number. Then, return the mask to stock, or install the mask per the applicable aircraft maintenance manual or component maintenance manual.
- F. If required, make a entry into your aircraft maintenance records that this service bulletin has been complied with.