



# SERVICE BULLETIN

No. 511A

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

September 24, 1976 S/M

(Supersedes and Voids Service Bulletin No. 511 dated September 16, 1976)

<u>Subject:</u>	Oxygen System Outlet Refinement
<u>Reason for Revision:</u>	Corrected PA-39 " <u>Serial Numbers Affected</u> "
<u>Models Affected:</u>	<u>Serial Numbers Affected:</u>
PA-23-250 (6 place) Aztec	27-2000 to 27-7654059 Inclusive*
PA-24-260 Comanche	24-3642, 24-4000 to 24-5047 Inclusive*
PA-24-400 Comanche	26-2 to 26-148 Inclusive*
PA-30 Twin Comanche	30-1 to 30-2000 Inclusive*
PA-39 Twin Comanche "C/R"	39-1 to 39-155 Inclusive*
PA-31, PA-31-300 and	
PA-31-325 "C/R" Navajo	31-2 to 31-7612062 Inclusive*
PA-31-350 Navajo Chieftain	31-5001 to 31-7652099 Inclusive*
PA-31P Pressurized Navajo	31P-1 to 31P-7630010 Inclusive*
PA-31T Cheyenne	31T-7400002 to 31T-7620028 Inclusive*

\*With oxygen system installed (production installations or Piper field installation oxygen system kits).

Compliance Time:

At the next regularly scheduled inspection (100 hour, annual or Programmed Inspection Event), not to exceed the next 100 hours of operation.

Purpose:

A field report has been received describing an interruption of oxygen flow to the pilot due to disengagement of the oxygen supply line from the oxygen outlet receptacle. If undetected, this condition could result in loss of oxygen supply to the pilot.

This service release announces two (2) methods by which the above condition can be prevented:

1. Installation of a plug-in coupling "O" Ring kit ("O" rings installed over the plug-in coupling stem to insure engagement friction with the mating receptacle);
2. Replacement of existing outlet receptacle assembly with a refined receptacle incorporating a locking device to prevent inadvertant loosening and possible disengagement of the oxygen plug-in coupling.

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Purpose: (Continued)

Refer to Material Required section below for material details.

Instructions:

Plug-in coupling "O" Ring installation instructions are contained in Piper Kit Number 761 032.

Material Required:

1. One (1) each per aircraft Oxygen Plug-In Coupling "O" Ring Kit Piper part number 761 032 (contains sufficient "O" Rings for a maximum of ten (10) plug-in couplings) @ suggested unit list price \$3.64E.

or

2. Receptacle, Oxygen System Outlet, Piper part number 752 583 @ suggested unit list price \$17.69E; quantities as necessitated by the number of oxygen system outlets in the aircraft (from four to ten outlets, depending on aircraft model and/or interior configuration).

Availability of Parts:

Your Piper Field Service Facility.

Effectivity Date:

This service bulletin is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to make arrangements to obtain the oxygen system product refinement material described in the body of this service release.