## COMMONWEALTH OF AUSTRALIA CIVIL AVIATION SAFETY AUTHORITY SCHEDULE OF AIRWORTHINESS DIRECTIVES

## Oxygen Systems

AD/OXY/3 Amdt 1	Puritan-Bennett Oxygen Regulator NH Diaphragm - Replacement	۲
Applicability:	Puritan-Bennett Aero Systems Company oxygen masks as follows : P/N 17403 S/N 0001-0012, P/N 174010-01 and 174010-03 S/N 00100-00144, 00146, 00147 00149-00259, 00261-00273, 00275-00292, 00294-00390 and P/N ZMR 100 series S/N 6603-7234.	'9 ', es
Requirement:	1. Remove diaphragm assembly P/N F334-1001-1 and install diaphragm assemble P/N F334-1001-1 modified to include diaphragm and plate assembly P/N F334-1003-1 Revision E.	ly 4-
	2. After modification per para. 1, permanently mark letter "M" at the end of or beneath the mask serial number. This serial number is located under the face cushion on the left-hand side of the hardshell on the 174039 and ZMR 100 ser masks, and on the back surface of the head harness on the 174010-01 and 174 03 masks.	ries 010-
	3. The modified diaphragm replacement (para. 1) shall be accomplished by return the mask to Puritan-Bennett Aero Systems Company, 111 Penn Street, El Segundo, California 90245, USA. However this replacement in ZMR 100 seri masks listed below may be accomplished in the field in accordance with the following Puritan-Bennett Aero Systems ATA Component Maintenance Manu	ning es uals:
	35-10-25 for the ZMR 160 mask. 35-10-27 for the ZMR 129 mask. 35-10-2 for the ZMR 129-1 mask. 35-10-29 for the ZMR 118 mask.	28
	Note 1. Puritan-Bennett Aero Systems Company Service Bulletin No. 1 pertains this subject.	to
	Note 2. FAA AD 81-08-04 Amendment 39-4092 refers.	
Compliance:	Within 100 hours time in service after 30 June 1981.	
	Note: Oxygen masks which have previously been reworked in accordance with AD/OXY/3 are deemed to comply with this Directive AD/OXY/3A.	
Background:	The regulators in approximately half of the mask assemblies listed contain oversidiaphragms. Under certain conditions, an oversize diaphragm can cause a regulate inlet value either to leak or to develop positive pressure within the face cone. Although the regulator may work properly in normal usage, it can develop one of above conditions without warning. There is no reliable field test method for determining when or whether the mask will develop a problem. This Directive is revised in issue to conform with revisions to FAA AD 81-02-03 which include additional S/Nos. of masks and a method of field compliance.	ize tor f the