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REFERENCE INSTRUCTION LETTER

TO: All operators	**FROM:** Technical Services	**CONTROL NO:** RIL # GX-0517	**REVISION:** NC
ATTN: Aircraft Maintenance	**ORIGINATOR:** Nicolas Audet	**PAGE: 1of 2**	
PHONE NO: N/A	**PHONE NO:** 514-855-5000	**A/C MODEL:** Global Express, Global 5000, XRS, GVFD 5000, 6000, GVFD 5500, 6500	**A/C S/N:** 9001 & subs
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DATE OF REQUEST: N/A	**PUBLICATION AFFECTED:** N/A		
TITLE:	Oxygen Leak Test Kit GSE 35X-00-04 instructions		
REFERENCE:	FTP S700-351001M		
ISSUE:	To allow operators to use optional oxygen leak test kit GSE 35X-00-04 for detecting leaks in the oxygen system.		

RESOLUTION:

PREPARATION:

1. Read the Oxygen System Safety Precautions AMM 35-00-00-910-801.
2. Comply with the Oxygen System Safety Precautions per AMM 35-00-00-910-801during use of the Oxygen Leak Test Kit.
3. Review the photo of the Oxygen Leak Test Kit in the Recommendations section below and familiarize yourself with the components prior to starting the leak test process using the tool.

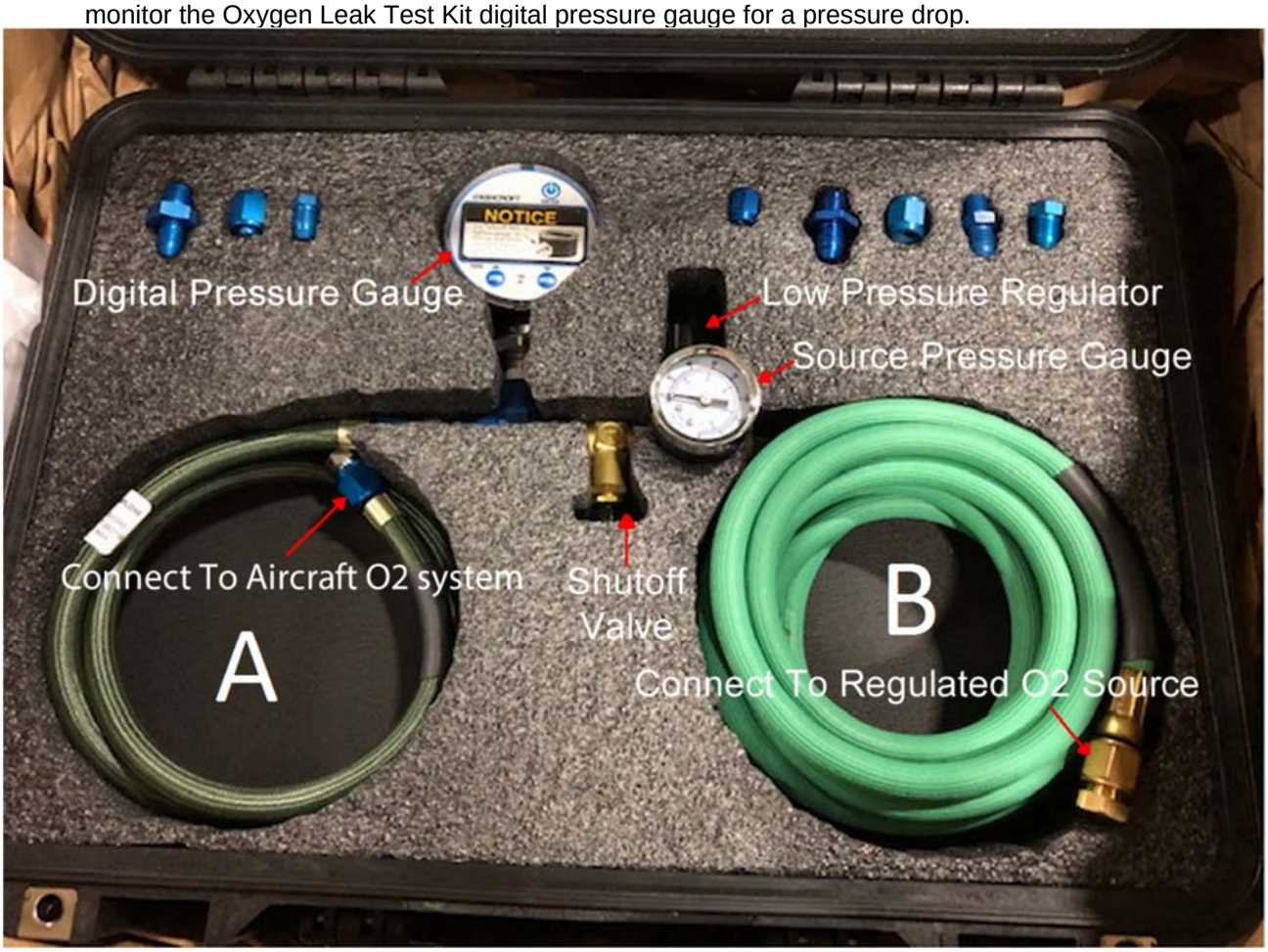
RECOMMENDATIONS:

1. Connect the hose found on side B of the Oxygen Leak Test Kit case to a regulated oxygen source.
2. Identify the section of the aircraft oxygen system or oxygen system component requiring leak test and disconnect one end of oxygen system section or oxygen component and cap the end. The intent is to isolate the oxygen system section or oxygen system component from the rest of the aircraft Oxygen System for the purpose of leak checking only that section or component.
3. Connect the hose found on side A of the Oxygen Leak Test Kit case to the section of the oxygen system or oxygen component to be tested that has been previously isolated.
4. Ensure the Oxygen Leak Test Kit shut-off valve is closed when opening O2 pressure source. Failure to do so could allow high pressure from the source to cause damage. Open the high-pressure regulator at the oxygen source to 150 psi.

This document can be used as Instructions for Continued Airworthiness until such time as a Temporary Revision or Manual Revision is issued by Technical Publications. The current status of open Reference Instruction Letters is published in each issue of the Customer Forum and Newsletter, and on the CIC web Site (http://www.cic.bombardier.com/).

RESOLUTION cont'd:

5. Slowly adjust the Oxygen Leak Test Kit low pressure regulator and set the pressure @80 psi.
6. Slowly open the Oxygen Leak Test Kit shut-off valve until the Oxygen Leak Test Kit digital pressure gauge indicates 80 psi.
7. Close the Oxygen Leak Test Kit shut-off valve to trap the pressure between the Oxygen Leak Test Kit shut-off valve and the portion of the oxygen system or oxygen component.
8. Monitor the Oxygen Leak Test Kit digital pressure gauge for a pressure drop indicating a leak.
9. If no leaks are found, then apply cold soak to oxygen system section or oxygen components and monitor the Oxygen Leak Test Kit digital pressure gauge for a pressure drop.



CLOSE OUT:

1. Once a leak is found or at the conclusion of the leak testing turn off the oxygen source.
2. Slowly loosen the fitting connecting the Oxygen Leak Test Kit to the oxygen source to allow the pressurized oxygen to vent and relieve the pressure build up.
3. Slowly open the Oxygen Leak Test Kit shut-off valve to bleed off the pressure.
4. Disconnect the Oxygen Leak Test Kit hose from the regulated oxygen source roll up the hose into the Oxygen Leak Test Kit case.
5. Disconnect the Oxygen Leak Test Kit hose from the aircraft oxygen system section or oxygen system component and roll up the hose into the Oxygen Leak Test Kit case.
6. Reconnect the oxygen system section previously isolated for testing purposes. Refer to appropriate AMM installation and return to service instructions to ensure there are no leaks after installation.

PREPARED BY:		**APPROVAL:**		
Print name:	Nicolas Audet	**Print name:**	Nicolas Audet	**Issue date**:
Signature:	Nicolas Audet Digitally signed by Nicolas Audet DN: cn=Nicolas Audet Reason: I am the author of this document Date: 2021.06.11 08:20:53 -04'00'	**Signature of Mgr / Lead**	Nicolas Audet Digitally signed by Nicolas Audet DN: cn=Nicolas Audet Reason: I am the author of this document Date: 2021.06.11 08:21:59 -04'00'	2021-06-10
Date:	2021-06-10			