

# Advisory Wire

REFERENCE NO: AW300-36-0310

INFORMATION TYPE: Maintenance

ATA: 36-21

EFFECTIVITY: Challenger: 300 – 20003 – 20500  
Challenger: 350 – 20501 – 20999

**SUBJECT: Bleed Loop Connector  
Cleaning Tool**

## 1. REFERENCES:

- 1.1. AMM 36-21-00-910-801 Bleed-Air Leak-Detection and Warning-System Safety Precautions
- 1.2. GSE 36C-21-03 Bleed Loop Connector Pin Cleaning Tool Set – TL35491

## 2. INTRODUCTION:

This Advisory Wire (AW) is to inform Operators about the importance of using of the bleed loop connector cleaning tool set.

## 3. DESCRIPTION:

The bleed air leak detection system is made up of a series of bleed leak elements connected together and assembled with a ceramic insert that makes the connection between the elements and the aircraft connector. An investigation determined that the OEM (Kidde Aerospace) ceramic insert is subject to corrosion between the aircraft connectors in the wingtip and the outboard bleed leak elements. To address this recurring issue Bombardier has introduced an alternative ceramic insert. In addition to the alternative insert, a new special cleaning tool (REF 1.2) has been included in the AMM to remove corrosion from the bleed air leak detection connector and the aircraft connector.



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The instructions for using the cleaning tool set can be found in the AMM (REF 1.1) and within the case of the cleaning tool set. These instructions should be followed at all times:

**(Extract from AMM 36-21-00-910-801):**

*(3) Before you connect a LDE pin-end connector or before you reinstall a ceramic insert on a pin, you must clean the pin as follows:*

*(a) Clean the connector with isopropyl alcohol.*

*NOTE: Do not use probes, swabs, or other instruments to clean the connector.*

*(b) Make sure that the pin is straight.*

*NOTE: Refer to the applicable procedure in the section above.*

*(c) Do the steps that follow to clean the pin:*

*1- Insert a clean cleaning head on the applicable tool.*

*NOTE: A cleaning head can only be used ten times. After ten times, you must replace the cleaning head.*

*2- Soak the cleaning head in isopropyl alcohol.*

*3- Slowly insert the cleaning head fully on the pin while you slowly turn the cleaning head clockwise 3 to 8 turns.*

*4- Slowly remove the cleaning head while you slowly turn the cleaning head clockwise 3 to 8 turns.*

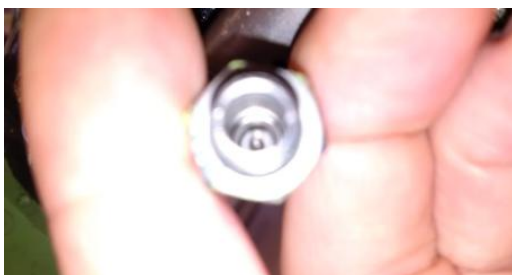
*5- Use a bright light to examine the pin and make sure that the pin is clean and shiny.*



Before the cleaning



Cleaning head in the bleed loop connector



After the cleaning

Customer Services

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#### 4. ACTION:

Operators should be familiar with the procedure for using the bleed loop connector cleaning tool set to remove the corrosion on the connector pin when installing a new ceramic insert.