

Bombardier is gathering detailed troubleshooting information on the most frequently removed Global family aircraft components. To support the technical investigation, FSRs and Service Centers are requested to open a condition report and complete this questionnaire when troubleshooting or removing a Brake System Component.

**Downloads, completed condition reports, and questionnaires are to be returned:**

- via the Lotus Notes Condition Report Application
- or by e-mail at: [ac.yul@aero.bombardier.com](mailto:ac.yul@aero.bombardier.com)

Reference Condition report number : _____
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### Aircraft and Component Identification

Complete table if information is not provided in reference Condition Report.

A/C S/N	A/C Hours	A/C Landings	Unit P/N	Modstrike	Unit S/N
<b>Contact Name:</b>			<b>Date of Event:</b>	<b>Phone No:</b>	

EICAS MESSAGES			
<b>Check the related fault message(s) below:</b>			
<input type="checkbox"/> NORMAL BRAKE FAIL <span style="color: red;">(WARNING)</span>	<input type="checkbox"/> UNCOMMANDED BRAKE <span style="color: orange;">(CAUTION)</span>	<input type="checkbox"/> PLT BRAKE FAULT <span style="color: orange;">(CAUTION)</span>	<input type="checkbox"/> CPLT BRAKE FAULT <span style="color: orange;">(CAUTION)</span>
<input type="checkbox"/> L OUTBD BRAKE FAIL <span style="color: orange;">(CAUTION)</span>	<input type="checkbox"/> L INBD BRAKE FAIL <span style="color: orange;">(CAUTION)</span>	<input type="checkbox"/> R INBD BRAKE FAIL <span style="color: orange;">(CAUTION)</span>	<input type="checkbox"/> R OUTBD BRAKE FAIL <span style="color: orange;">(CAUTION)</span>
<input type="checkbox"/> AUTOBRAKE FAIL <span style="color: orange;">(CAUTION)</span>	<input type="checkbox"/> BRAKE 50% DEGRADED <span style="color: orange;">(CAUTION)</span>	<input type="checkbox"/> BRAKE FAULT <span style="color: blue;">(ADVISORY)</span>	<input type="checkbox"/> Others. Specify: _____

CAIMS/OMS INFORMATION	
<b>Is the fault logged in the CAIMS/OMS Active Fault?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fault # (i.e.: 3245429HA) _____	Fault nomenclature: (i.e.: BCU/WRG/DAU2B) : _____
<b>Is the fault logged in the CAIMS/OMS BCU Flight Fault History?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fault # (i.e.: 3245429HA) _____	Fault nomenclature: (i.e.: BCU/WRG/DAU2B) : _____
<b>Is the fault logged in the CAIMS/OMS BCU Ground Fault History?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fault # (i.e.: 3245429HA) _____	Fault nomenclature: (i.e.: BCU/WRG/DAU2B) : _____

FAULT DETAILS
Fault Description:
Report last Brake System maintenance or last sequence of event:

FAULT DETAILS (Continued)	
When did the fault occur? <input type="checkbox"/> Power up <input type="checkbox"/> On ground <input type="checkbox"/> In flight <input type="checkbox"/> Gear down selection <input type="checkbox"/> Gear up selection	
How many units did the Brake temperature show on the EICAS when the fault occurred? Left OB: ____ Left IB: ____ Right IB: ____ Right OB: ____	
Was the message still posted after flight? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Was the problem intermittent? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Can the fault be reproduce while troubleshooting? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Did you perform AW700-32-0244* instructions? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Did fault(s) remain the same? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Was SMARTFIX PLUS* used for troubleshooting: <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Did you perform a wiring check? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Did the BCU replacement resolve the issue? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
S/N of new part installed: _____	

DATA COLLECTION ACTIONS This information is required when a TIRE BURST has occurred.	
Was the Aircraft in a hanger overnight before departure? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
Was the Aircraft washed in the last 24 hours? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>	
WEATHER CONDITIONS	
Last 24 hours before Take Off	
Outside Air Temperature: _____ °F / °C <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Light Rain <input type="checkbox"/> Heavy Rain <input type="checkbox"/> Ice Rain <input type="checkbox"/> Snow	Runway conditions: <input type="checkbox"/> Dry <input type="checkbox"/> Wet <input type="checkbox"/> Covered with snow <input type="checkbox"/> Icy
On Take Off	
Outside Air Temperature: _____ °F / °C <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Light Rain <input type="checkbox"/> Heavy Rain <input type="checkbox"/> Ice Rain <input type="checkbox"/> Snow	Runway conditions: <input type="checkbox"/> Dry <input type="checkbox"/> Wet <input type="checkbox"/> Covered with snow <input type="checkbox"/> Icy
On Landing	
Outside Air Temperature: _____ °F / °C <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Light Rain <input type="checkbox"/> Heavy Rain <input type="checkbox"/> Ice Rain <input type="checkbox"/> Snow	Runway conditions: <input type="checkbox"/> Dry <input type="checkbox"/> Wet <input type="checkbox"/> Covered with snow <input type="checkbox"/> Icy

Did you perform the following CAIMS BCU Initiated Bite Integrated Test (IBIT):

For BRAKE 50% DEGRADED and messages and TIRE BURST	
Control Valve Resistance Test CH A	<input type="checkbox"/> Yes <input type="checkbox"/> No
Control Valve Resistance Test CH B	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pressure Pulse Test CH A & CH B	<input type="checkbox"/> Yes <input type="checkbox"/> No
Shutoff Valve Operation Test CH A & CH B	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did you perform the Brake pressure monitoring test as described in <b>SMARTFIX PLUS</b> *?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Please describe any other relevant maintenance findings:	

\*SmartFix tool and Advisory Wires are available on CIC Web Site (password protected)

DOWNLOADS	
The info below is required for BRAKE FAULT, BRAKE 50% DEGRADED messages and TIRE BURST.	
Perform a Non-Volatile Memory (NVM) download of the BCU, AMM TASK 45-45-00-970-822. Note: It may take several attempts to be able to do the download.	
Was the BCU NVM download successful?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Perform a Flight Data Recorder (FDR) download AMM TASK 31-31-00-970-801 or a Quick Access Recorder (QAR) download TASK 31-33-00-970-801 of the last 3 flights.	
Perform a Fault Warning Computer (FWC) Crew Alerting System (CAS) message download, AMM TASK 45-45-00-970-822.	
Send BCU NVM, FDR, FWC CAS messages Download sent to Bombardier Customer Response Center (CRC) at <a href="mailto:ac.yul@aero.bombardier.com">ac.yul@aero.bombardier.com</a> or your Bombardier Field Service Representant (FSR).	