

Bombardier 700-1A10, Loose Power Cable, ATA 2497

The Customer noticed an amber 'electrical system fail' CAS Message. The inspector found a power cable for the number two TRU (transformer/rectifier unit) had come free. Also found were two charred wire harnesses at the number two SPDU (Secondary Power Distribution Unit)—and 'arcing marks' on the unit (itself). This arcing appears to be caused by the loose power cable.

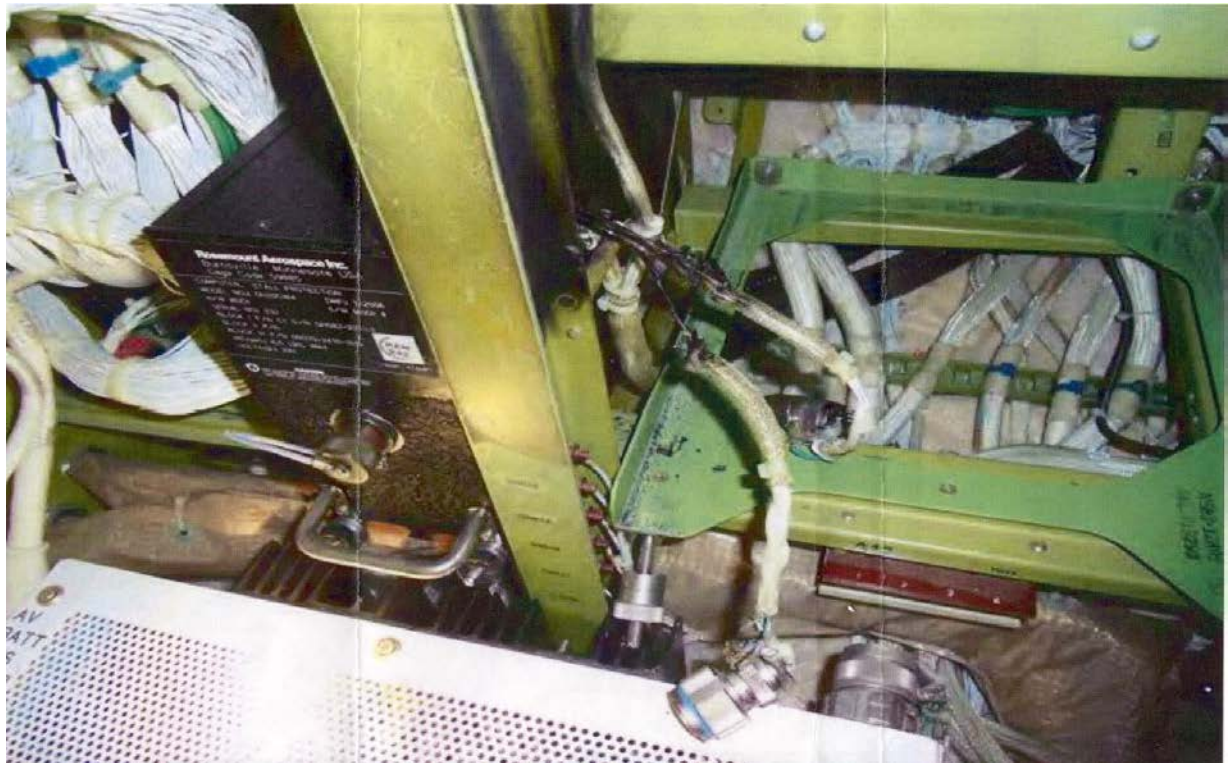
"The power cable P/N is 3PB189A4. It connects at one end to the TRU2 post on the forward side of the unit labeled 'DC Power Center'. This unit is located under the floorboard of the cockpit entry area. The other end connects to the bus bar of a unit (P/N 7274-11-15), which contains two fifteen amp circuit breakers. This was also found under the floorboards in the same area. The circuit breakers are marked 'Feeder 1' and 'Feeder 2'.

"The charred wire harnesses are P/N's A13P5/A13J5 F230 and A13P6/A13J6 F235. These two harnesses connect to cannon plugs on the SPDU assembly.

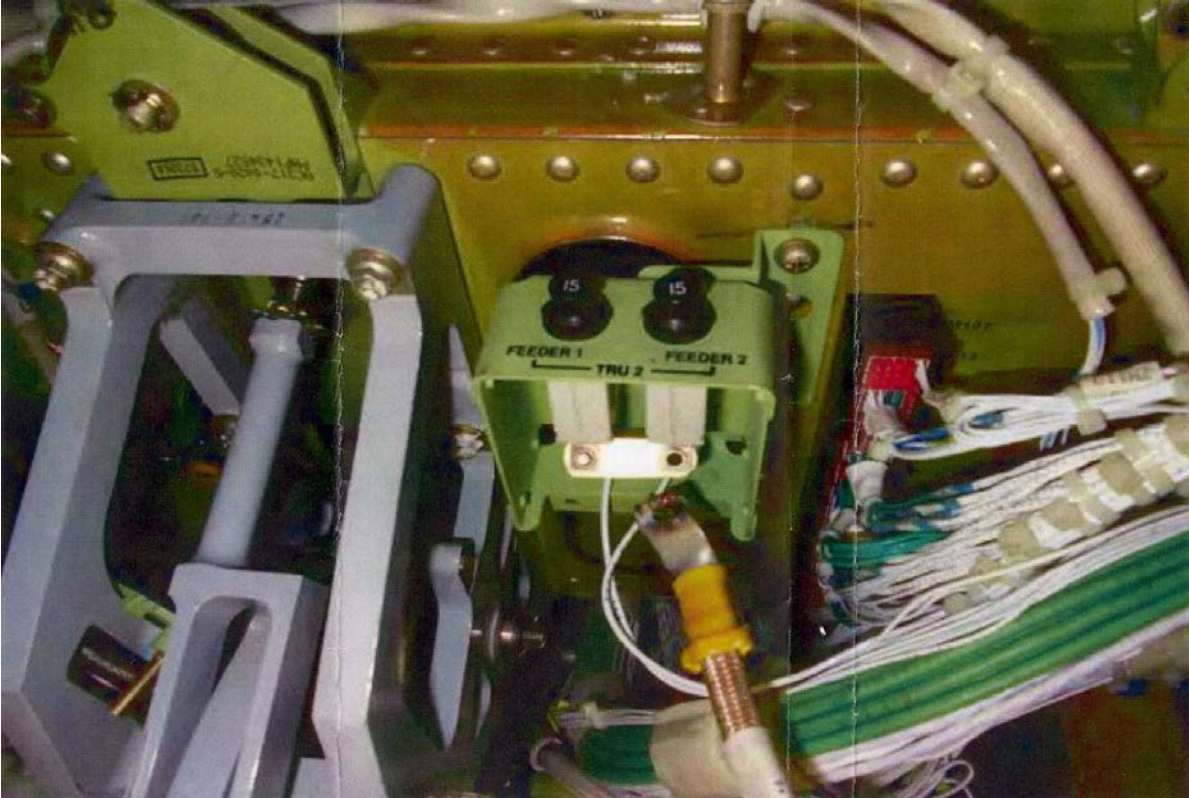
No cause has been determined for the power cable coming loose. Bombardier technical representatives were notified and they will evaluate this issue.



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Part Total Time: 2,002.5 hours