ALERT SERVICE BULLETIN
Bell Helicopter TEXTRON
A Subsidiary of Textron Inc.

DATE
REV

NO. 427-06-14
DATE NOV 7, 2006

MODEL AFFECTED: **427**

SUBJECT: **BUS BAR, REPLACEMENT OF**

HELICOPTERS AFFECTED: Model 427 helicopters serial number 56001 through 56054, 58001 and 58002.

[Model 427 helicopters serial number 56055 and subsequent, and 58003 and subsequent will have the intent of this bulletin accomplished prior to delivery]

PART I
Helicopters S/N: 56001 through 56031, 58001 and 58002 equipped with Flight Instrument Kit P/N: 427-706-002, which have not complied with TB 427-02-07 Instrument Cooling Fans, Installation Of.

PART II
Helicopters S/N: 56001 through 56031, 58001 and 58002 equipped with Flight Instrument Kit P/N: 427-706-002, which have complied with TB 427-02-07 Instrument Cooling Fans, Installation Of, and Helicopters S/N: 56032 through 56054, equipped with Flight Instrument Kit P/N: 427-706-002.

COMPLIANCE: No later than March 31, 2007.

DESCRIPTION:

We have received a report indicating there is the possibility of interference between the bus bar of the flight instruments switches and the Interconnect Bus Switch located in the overhead circuit breaker panel.

This bulletin replaces the bus bars with a newly created bus bar that allows for more clearance.

APPROVAL:

The engineering design aspects of this bulletin are T.C.C.A. approved.

MANPOWER:

Approximately 0.3 man-hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

Owner Operators of the affected helicopters who comply with the instructions outlined in the bulletin will receive a special 100% warranty credit for the replacement parts contained in the “Required Material” section of this bulletin.

To receive this credit:

Purchase the required parts from an approved BHTI supply source. Submit a completed MMIR to BHTI Warranty Dept. no later than 30 days after the completion of this bulletin or no later than March 31, 2007.

MATERIAL:

Required Material:
The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

Part Number	Nomenclature	Quantity
427-075-231-107	Bus Bar	1 per A/C

CONSUMABLE MATERIAL:
None required

SPECIAL TOOLS:
None required

WEIGHT AND BALANCE:
Not Affected

ELECTRICAL LOAD DATA:
Not affected

REFERENCES:
None

PUBLICATIONS AFFECTED:
BHT-427-IPB
TB 427-02-07
BHT-427-II-22

ACCOMPLISHMENT INSTRUCTIONS:

PART I

1. Disconnect rotorcraft's battery. Ensure no external power is applied either.

2. Gain access to the cockpit's overhead circuit breaker panel by loosening the eight (8) flat head fasteners holding it in place. Carefully lower the subject panel until it rests at an almost vertical position.

3. Remove the 427-706-002 jumper assembly. (see figure 1)

4. Remove and discard the 427-706-002-117 Bus Bar and install the replacement 427-075-231-107 Bus Bar using existing hardware.(see figure 1)

5. Re-install the 427-706-002 jumper assembly using the existing hardware. (see figure 1)

6. Annotate the helicopters technical records to reflect compliance with this bulletin.

PART II

1. Disconnect rotorcraft's battery. Ensure no external power is applied either.

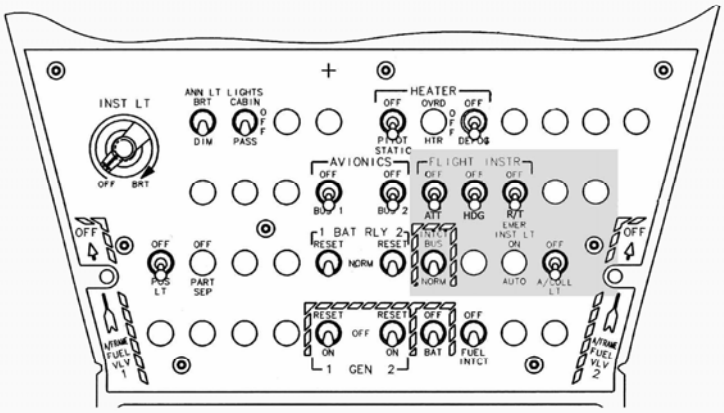
2. Gain access to the cockpit's overhead circuit breaker panel by loosening the eight (8) flat head fasteners holding it in place. Carefully lower the subject panel until it rests at an almost vertical position.

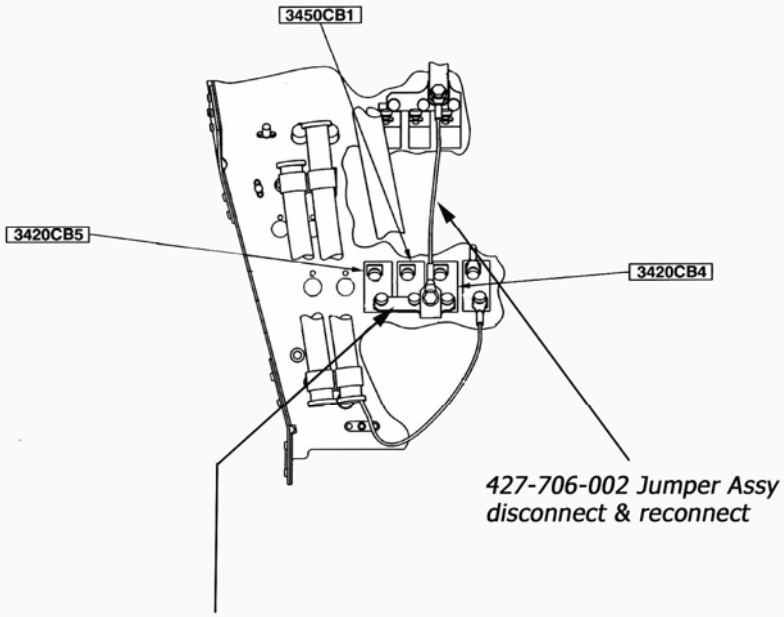
3. Remove the 427-575-005 jumper assembly. (see figure 2)

4. Remove and discard the 427-075-231-103 Bus Bar and install the replacement 427-075-231-107 Bus Bar using existing hardware.(see figure 2)

5. Re-install the 427-575-005 jumper assembly using the existing hardware. (see figure 2)

6. Annotate the helicopters technical records to reflect compliance with this bulletin.





Remove and discard 427-706-002-117 Bus bar
Install 427-075-231-107 Bus bar

Figure 1 - Flight Instruments (no IIDS cooling) configuration

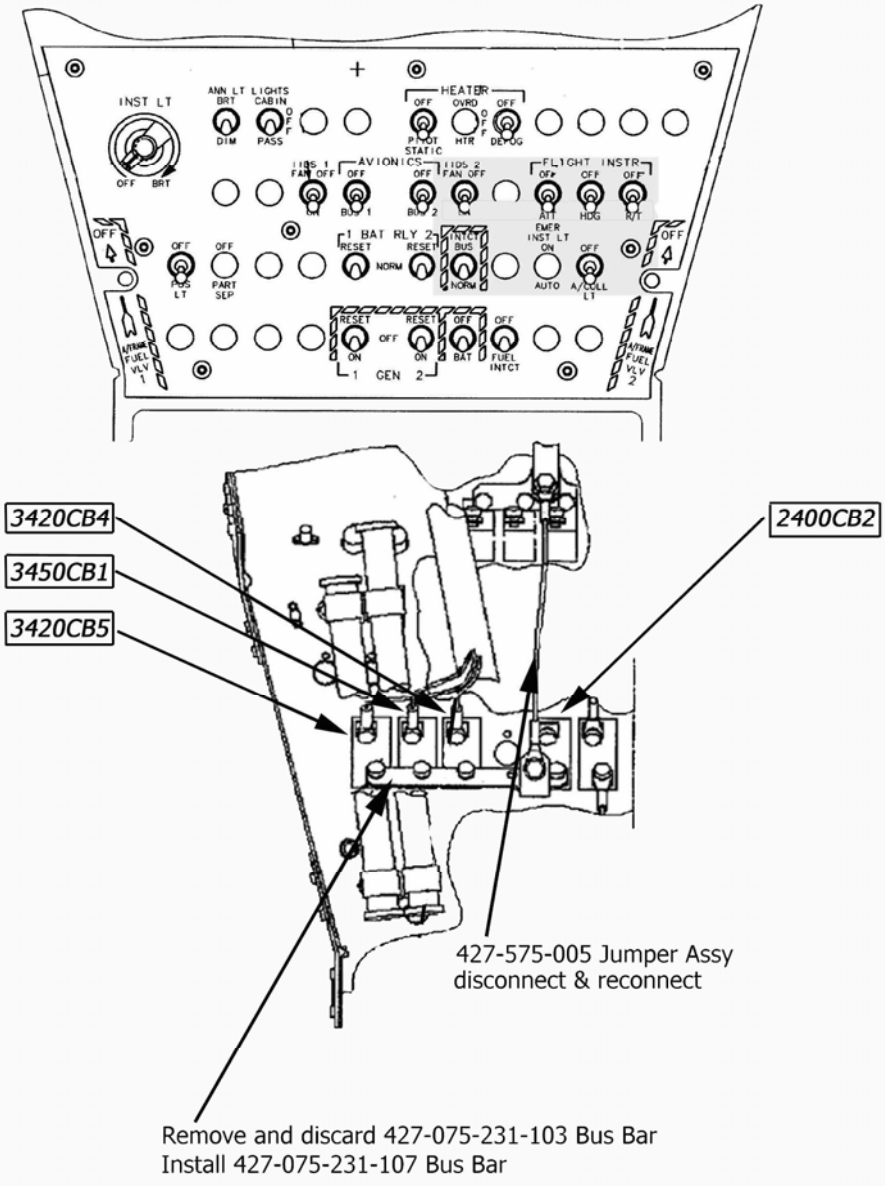


Figure 2 -Flight Instrument and IIDS cooling configuration