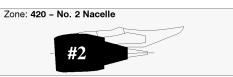
NO. 2 ENGINE HOLDING TORQUE CHECK OF THE CDU CONE BRAKE - GE

A/C 3301 Card 7831-7004-02 Crew 02



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AD RELATED, NO SUBSTITUTIONS OR DEVIATIONS FROM INSTRUCTIONS UNLESS
OTHERWISE STATED IN THIS WORKCARD

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N/A of step(s) not allowed unless specifically authorized in workcard/step instructions

Job#

If you find an error with these work instructions, please contact the Work Instruction Standards Group at: WIS@Delta.com

FREQUENCY:C2

<u>FORECAST</u> NHA 33-0593-8-0002 X

ZONES: 420, 425, 426

REQUIRED ACCESS:

Panel IDAircraft EffectivityPanel IDAircraft Effectivity426ARA330-ALL425ALA330-ALL

EQUIPMENT REQUIRED:

Tool.Number Vcode Quan Description

Job Instruct

Torque wrench, Dial Type: range 33 to 37 lbf.in

(0.37 to 0.42 m.daN)

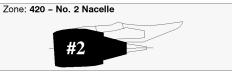
STATION: DATE:

Job #

Current Date: Mar 20 2019 21:30:57 GMT

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Job#

<u>CAUTION:</u> ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND MECHANICALLY SERVICEABLE).

WHEN YOU DO MAINTENANCE WORK, REPAIRS OR MODIFICATIONS, ALWAYS KEEP WIRING, COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE. TO DO THIS:

- PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC. AS NECESSARY ON WIRING AND COMPONENTS.
- REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER CONTAMINATION.
- DO NOT USE WIRE BUNDLES, TUBING, DUCTS, OR OTHER COMPONENTS AS A STEP OR HAND-HOLD.
 DAMAGE TO EQUIPMENT CAN OCCUR.
- KEEP TOOLS, TOOL TRAYS, AND OTHER WORK ITEMS OFF THE WIRES. OBJECTS PUT ON THE WIRE BUNDLES
 OR THEIR RELATED COMPONENTS CAN CAUSE DAMAGE TO THE WIRES, INSULATION, AND CONNECTORS.

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION AND DAMAGE TO THE WIRING INSTALLATION.

FOR AIRCRAFT PROTECTION, REFERENCE:

- AIRBUS ESPM 20-50-00
- BOEING, ALL MODELS (EXCEPT B717) AMM 20-60-07
- B717 AMM 20-30-00
- MD88/MD90 AMM 20-50-00
- BOMBARDIER AMP BD500-A-J20-70-00-00AAA-913G-A

IF THERE IS CONTAMINATION, THEN CLEAN AS REFERENCED:

- AIRBUS A320FAM, A330 ESPM 20-55-00
- AIRBUS A350 ESPM 20-55-50
- BOEING, ALL MODELS (EXCEPT B717) AMM 20-60-02
- B717, MD88, MD90 AMM 20-51-01
- BOMBARDIER AMP BD500-A-J20-70-00-00AAA-254A-A
- 1. Do a check of the holding torque of the CDU cone brake.
 - A. Ref. Figure 1.

DATE:

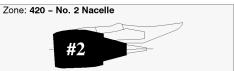
- B. Pull up on the manual release handle to unlock the thrust reverser electro-mechanical brake.
- Pull the manual brake release lever on the CDU to release the cone brake (approximately 60 degrees detent position).

Step:	Completed through:	Emp #:	
Step:	Completed through:	Emp #:	
☐ Check box if Job Status/Turnover Continuation Form or NR is used. S/N			
STATION:			

Current Date: Mar 20 2019 21:30:57 GMT Rev. Mar 15 2019 17:52

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Job#

- D. Return the CDU manual brake release lever to the locked position to engage the cone brake.
- E. Remove the two bolts that hold the lockout plate to the CDU and remove the lockout plate.
- F. Install a 0.25 in. (6.3500 mm) EXTENSION 1/4 IN SQUARE DRIVE and a WRENCH TORQUE, DIAL TYPE into the drive pad.
- G. Do the brake holding torque check as follows:

<u>CAUTION</u>: DO NOT USE MORE THAN 100 LBF. IN (1.13 M.DAN) OF TORQUE WHEN YOU DO THIS CHECK. EXCESSIVE TORQUE WILL DAMAGE THE CDU.

- (1) Turn the torque wrench to try to manually deploy the translating cowl until the translating cowl begins to deploy or you get a maximum of 100 lbf.in (1.13 m.daN) of torque.
 - (a) If the manual drive turns in the deploy direction with less than 15 lbf.in (0.17 m.daN) of torque, replace the CDU (Ref. AMM 78-31-43-000-801 and AMM 78-31-43-400-801).
 - (b) If the CDU holds the 15 lbf.in (0.17 m.daN) of torque, increase the torque in the deploy direction until the CDU brake slips or until you get a maximum of 100 lbf.in (1.13 m.daN). Do not let the torque increase to more than 100 lbf.in (1.13 m.daN).
- (2) Record the value between 15 lbf.in (0.17 m.daN) and 100 lbf.in (1.13 m.daN) of torque when the CDU brake slips. If the brake does not slip at 100 lbf.in (1.13 m.daN) of torque, release the torque on the brake, and record 100 lbf.in (1.13 m.daN) on the inspection record.
- H. Pull the manual brake release lever on the CDU to release the CDU brake.
- I. Fully retract the thrust reverser translating cowl to the stow position.
- Return the CDU manual brake release lever to the locked position to engage the cone brake.
- K. Push on the release handle on the thrust reverser electro mechanical brake until the handle is fully in the retaining clip.

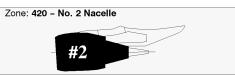
NOTE: This will lock the thrust reverser brake.

- L. Put the lockout plate back on the CDU drive pad. Make sure you can see the lockout spline. Torque the bolts 33 to 37 lbf.in (0.37 to 0.42 m.daN).
- M. Make sure that the work area is clean and clear of tools and other items.

			Mechanic
PARTIAL SIGI	NOFF STATUS:		
Step:	Completed through:	Emp #: _	
Step:	_ Completed through:	Emp #: _	
☐ Check box if J	ob Status/Turnover Continuation Form or NR is used.	. S/N	
STATION:			
DATE:			Job#
	Current Date: Mar 20 2019 21:30:57 GN	MT Rev.	Mar 15 2019 17:52

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Job#

*** NO FURTHER SIGNOFFS REQUIRED ***

PARTIAL SIGN	OFF STATUS:	
Step:	Completed through:	Emp #: _

Completed through: _

☐ Check box if Job Status/Turnover Continuation Form or NR is used. S/N

STATION:

DATE:

RELATE

Job#

Current Date: Mar 20 2019 21:30:57 GMT

Rev. Mar 15 2019 17:52

Emp #: _

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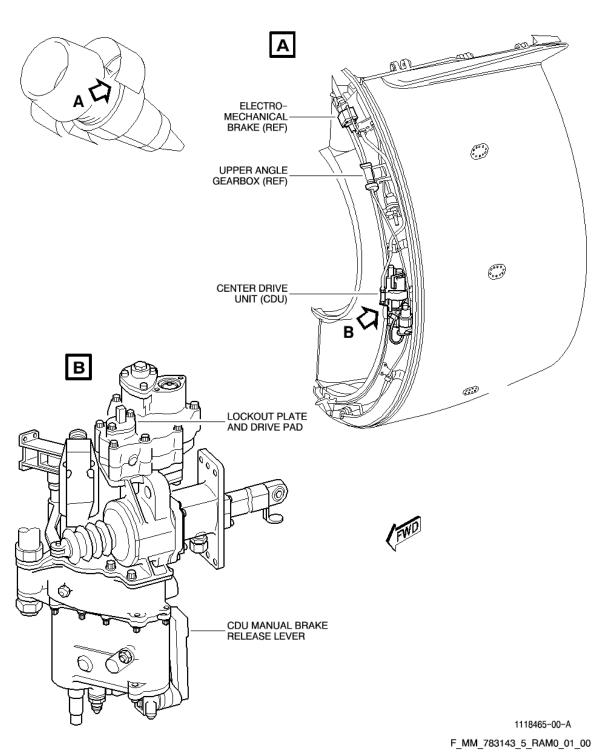


Figure 1 Center Drive Unit

STATION: DATE: