

CMA-6800 LCD Display Unit Upgrade for ED-800 CRT Platforms

This bulletin provides 2020 product information for the CMA-6800 LCD Display Upgrade to include the Falcon 900/B, Challenger 600/601, Hawker 800/XP, Citation II, III, V, VI, VII, Gulfstream GII/B, III, ATR 42/72, DHC Dash 8 and many other models with ED-800s



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Effective Dates:	1/1/2020 through 12/31/2020
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CMA-6800 LCD Display Unit Upgrade for ED-800 CRT Platforms

1. Introduction

The CMA-6800 is a form-fit-function, replacement for the Honeywell ED-800 CRT displays on a wide range of in-service aircraft with a modern LCD display using LED backlight. It is fully intermixable and interchangeable in any configuration with the ED-800. The display replicates the functionality of the CRT display with greater reliability thus reducing overall cost of ownership. It has hardware built-in provisions for growth for additional display capability both through an internal CPU and additional interfaces. This solution retains the use of existing symbol generators (and display formats/symbology) the existing EFIS controllers and related EFIS select panels. The CMA-6800 is a cost-effective solution compared to an expensive full cockpit upgrade with minimal down time required to perform the conversion. The CMA-6800 AMLCD display is certified to TSO-C113a - Airborne Multipurpose Electronic Displays.

2. Description

2.1 CMA-6800 Features and Value Proposition

- *Greatly reduced maintenance costs – high MTBF*
- *Form-fit-function replacement (Fully intermixable and interchangeable) – quick conversion*
- *Reduced weight and power consumption – fuel savings, lower heat in cockpit*
- *Transparent cockpit operation – zero aircrew re-training*
- *Eliminates looming CRT obsolescence*
- *Additional I/O and processor growth provisions for future mandates*
- *Available in black or gray bezel colors to blend with most cockpits*
- *Certificated to meet TSO-C113a*



2.2 CMA-6800 Replacement for EADI CMA-6800 Specifications

- Contrast >300:1 at normal incidence under low ambient light conditions
- Viewing Angle + / - 60 degrees horizontal and +50 / -15 degrees vertical at contrast ration >20:1

CMA-6800 Replacement for EHSI

- Luminance 120 fL
- Resolution 1024 x 768 / 196 DPI
- Size (H x W x L) 5" x 6" x 10.5"
- Power Consumption <30 Watts (<50 Watts with heater on)
- Weight < 6 lbs
- Projected MTBF 15,000 hours
- Warranty 12 months

2.3 In-Service ED-800 Aircraft



Manufacturer	Model	Display	DUs per AC
Hawker	800/XP	ED-800	5
ATR	ATR42/72	ED-800	4
Bombardier	DHC-8 100/200/300/Q300	ED-800	4
Cessna	Citation II, IISP, V(560)	ED-800	4
Cessna	Citation (650) III/VI/VII	ED-800	5
Bombardier	Challenger 600/601-3A/R	ED-800	4
Bombardier	Lear 31	ED-800	4
Gulfstream	GIII	ED-800	5
Dassault	Falcon 900	ED-800	5
Bombardier	CL415	ED-800	4
Gulfstream	GII/IIB	ED-800	5
Jetstream/Fokker	J41 / Fokker F50	ED-800	4

3. Configuration and Part Numbers

Supplemental Type Certificate: An STC is required to install the CMA-6800 and is available through Honeywell to the dealer / installer.

Trade-Ins: A \$5,000 trade-in of old ED-800 CRT displays are allowed as part of the promotion and are shown in the pricing matrix below.

Gray				
Model	Description	Part Number	QTY	Trade-In
CMA-6800	LCD Display Unit - Gray	100-604045-001	1	
CMA-6800	Inclinometer Kit - Gray	241-601240-001	1	
ED-800	CRT Trade-In Credit	7003110-XXX	1	\$5,000

Table 3-1 – CMA-6800 Pricing – Gray

Black				
Model	Description	Part Number	QTY	Trade-In
CMA-6800	LCD Display Unit - Gray	100-604045-002	1	
CMA-6800	Inclinometer Kit - Gray	241-601240-002	1	
ED-800	CRT Trade-In Credit	7003110-XXX	1	\$5,000

Table 3-2 – CMA-6800 Pricing – Black

4. Honeywell Maintenance Service Plan (MSP Avionics)

Honeywell Maintenance Service Plan (MSP Avionics) is a maintenance service plan that offers coverage for your Honeywell Avionics. Choose the plan that best meets your needs. Specially priced plans are also available for fleet operators. Take the uncertainty out of repair and maintenance costs. A fixed-price MSP contract guarantees that your repair bills will not exceed your budget. For more information about MSP, please contact Honeywell at MSPAvionicsSales@Honeywell.com.

4.1 Special MSP Avionics Offer to ED-800

Customers enrolled in the Honeywell Maintenance Service Plan will have the option to purchase Extended ED-800 coverage. Under this program an unlike exchange from an ED-800 to CMA-6800 is shipped upon confirmation of failure. This will offer operators and maintenance departments an easy-to-budget upgrade upon failure, preventing obsolescence.

The cost to enroll in the MSP Avionics program with Extended DU Coverage is \$12 per flight hour per display up to five (5) ED-800s.* All Extended contracts are required to be enrolled for a three-year term. MSP does not cover the cost of the STC. The operator or dealer will need to include the STC price of \$4,000 in the initial PO upon exchange.

* Examples:

- 1. Two (2) ED-800s: 2 x \$12 = \$24 per flight hour
- 2. Three (3) ED-800s: 3 x \$12 = \$36 per flight hour
- 3. Five (5) ED-800s: 5 x \$12 = \$60 per flight hour

For more information or to enroll in the Extended Coverage Plan under MSP-A please contact Honeywell at MSPAvionicsSales@Honeywell.com

5. Contact Information

Honeywell Authorized Service Centers are encouraged to contact their local Honeywell Area Sales Manager if you have any questions regarding this Bulletin or if you need assistance.

Find your nearest Sales contact by visiting our [Direct Access Directory for Business Aviation](#). Click on **Area Sales Managers**.

Or downloading our **Honeywell Direct Access app**:



The Direct Access mobile app launched last year provides business aviation customers quick access to Honeywell Aerospace's technical, business, parts and sales support; the closest dealers and service centers, the Aircraft on Ground (AOG) desk and other valuable resources.

The Direct Access app is free and can be downloaded at the [Apple iTunes](#) and [Google Play](#) stores.

Need immediate support?
[Contact Us](#)

Honeywell reserves the right to rescind or revise this information bulletin at any time, or through future information bulletins.

Appendix 1 – CMA-6800 Supplemental Type Certificate List

<u>Make</u>	<u>Model</u>	<u>Approval Organization</u>	<u>STC Number</u>
ATR	ATR 42-200	EASA	EASA-10058153
ATR	ATR 42-300	EASA	EASA-10058153
ATR	ATR 42-320	EASA	EASA-10058153
ATR	ATR 42-500	EASA	EASA-10058153
ATR	ATR 72-101	EASA	EASA-10058153
ATR	ATR 72-102	EASA	EASA-10058153
ATR	ATR 72-201	EASA	EASA-10058153
ATR	ATR 72-202	EASA	EASA-10058153
ATR	ATR 72-211	EASA	EASA-10058153
ATR	ATR 72-212	EASA	EASA-10058153
ATR	ATR 72-212A	EASA	EASA-10058153
ATR	ATR 42-200	FAA	FAA-ST04057CH
ATR	ATR 42-300	FAA	FAA-ST04057CH
ATR	ATR 42-320	FAA	FAA-ST04057CH
ATR	ATR 42-500	FAA	FAA-ST04057CH
ATR	ATR 72-101	FAA	FAA-ST04057CH
ATR	ATR 72-102	FAA	FAA-ST04057CH
ATR	ATR 72-201	FAA	FAA-ST04057CH
ATR	ATR 72-202	FAA	FAA-ST04057CH
ATR	ATR 72-211	FAA	FAA-ST04057CH
ATR	ATR 72-212	FAA	FAA-ST04057CH
ATR	ATR 72-212A	FAA	FAA-ST04057CH
ATR	ATR 42-300	Transport Canada	FAA-ST04057CH
ATR	ATR 42-320	Transport Canada	FAA-ST04057CH
ATR	ATR 42-500	Transport Canada	FAA-ST04057CH
ATR	ATR 72-101	Transport Canada	FAA-ST04057CH
ATR	ATR 72-102	Transport Canada	FAA-ST04057CH
ATR	ATR 72-201	Transport Canada	FAA-ST04057CH
ATR	ATR 72-202	Transport Canada	FAA-ST04057CH
ATR	ATR 72-212	Transport Canada	FAA-ST04057CH
ATR	ATR 72-212A	Transport Canada	FAA-ST04057CH
Beechcraft	BAe.125 Series 800A	FAA	FAA-ST00813DE
Beechcraft	BAe.125 Series 800B	FAA	FAA-ST00813DE
Beechcraft	Hawker 800	FAA	FAA-ST00813DE

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Beechcraft	Hawker 800XP	FAA	FAA-ST00813DE
Beechcraft	BAe.125 Series 1000A	FAA	FAA-ST00813DE
Beechcraft	BAe.125 Series 1000B	FAA	FAA-ST00813DE
Beechcraft	Hawker 1000	FAA	FAA-ST00813DE
Make	Model	Approval Organization	STC Number
Beechcraft	BAe.125 Series 800A	Brazil ANAC	ANAC-2016S09-05
Beechcraft	BAe.125 Series 800B	Brazil ANAC	ANAC-2016S09-05
Beechcraft	Hawker 800	Brazil ANAC	ANAC-2016S09-05
Beechcraft	Hawker 800XP	Brazil ANAC	ANAC-2016S09-05
Beechcraft	BAe.125 Series 800A	Mexican DGAC	FAA-ST00813DE
Beechcraft	BAe.125 Series 800B	Mexican DGAC	FAA-ST00813DE
Beechcraft	Hawker 800	Mexican DGAC	FAA-ST00813DE
Beechcraft	Hawker 800XP	Mexican DGAC	FAA-ST00813DE
Beechcraft	BAe.125 Series 1000A	Mexican DGAC	FAA-ST00813DE
Beechcraft	BAe.125 Series 1000B	Mexican DGAC	FAA-ST00813DE
Beechcraft	Hawker 1000	Mexican DGAC	FAA-ST00813DE
Beechcraft	BAe.125 Series 800A	Transport Canada	TC-SA17-27
Beechcraft	BAe.125 Series 800B	Transport Canada	TC-SA17-27
Beechcraft	Hawker 800	Transport Canada	TC-SA17-27
Beechcraft	Hawker 800XP	Transport Canada	TC-SA17-27
Beechcraft	BAe.125 Series 1000A	Transport Canada	TC-SA17-27
Beechcraft	BAe.125 Series 1000B	Transport Canada	TC-SA17-27
Beechcraft	Hawker 1000	Transport Canada	TC-SA17-27
Beechcraft	BAe.125 Series 800A	EASA	EASA-10059658
Beechcraft	BAe.125 Series 800B	EASA	EASA-10059658
Beechcraft	Hawker 800	EASA	EASA-10059658
Beechcraft	Hawker 800XP	EASA	EASA-10059658
Beechcraft	BAe.125 Series 1000A	EASA	EASA-10059658
Beechcraft	BAe.125 Series 1000B	EASA	EASA-10059658
Beechcraft	Hawker 1000	EASA	EASA-10059658
Bombardier Inc.	DHC-8-100	Transport Canada	TC-SA16-95
Bombardier Inc.	DHC-8-200	Transport Canada	TC-SA16-95
Bombardier Inc.	DHC-8-300	Transport Canada	TC-SA16-95
Bombardier Inc.	CL-215-6B11 (CL415 variant)	FAA	FAA-ST00813DE
Bombardier Inc.	CL-600-2A12 (CL-601)	FAA	FAA-ST00813DE
Bombardier Inc.	CL-600-2B16 (CL-601-3A variant)	FAA	FAA-ST00813DE
Bombardier Inc.	CL-600-2B16 (CL-601-3R variant)	FAA	FAA-ST00813DE
Bombardier Inc.	DHC-8-100	FAA	FAA-ST00813DE
Bombardier Inc.	DHC-8-200	FAA	FAA-ST00813DE
Bombardier Inc.	DHC-8-300	FAA	FAA-ST00813DE
Bombardier Inc.	CL-600-2A12 (CL-601)	Brazil ANAC	ANAC-2016S09-05
Bombardier Inc.	CL-600-2B16 (CL-601-3A variant)	Brazil ANAC	ANAC-2016S09-05
Bombardier Inc.	CL-600-2B16 (CL-601-3R variant)	Brazil ANAC	ANAC-2016S09-05
Bombardier Inc.	DHC-8-100	Brazil ANAC	ANAC-2016S09-05
Bombardier Inc.	DHC-8-200	Brazil ANAC	ANAC-2016S09-05

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Make	Model	Approval Organization	STC Number
Bombardier Inc.	DHC-8-300	Brazil ANAC	ANAC-2016S09-05
Bombardier Inc.	CL-215-6B11 (CL415 variant)	Mexican DGAC	FAA-ST00813DE
Bombardier Inc.	CL-600-2A12 (CL-601)	Mexican DGAC	FAA-ST00813DE
Bombardier Inc.	CL-600-2B16 (CL-601-3A variant)	Mexican DGAC	FAA-ST00813DE
Bombardier Inc.	CL-600-2B16 (CL-601-3R variant)	Mexican DGAC	FAA-ST00813DE
Bombardier Inc.	DHC-8-100	Mexican DGAC	FAA-ST00813DE
Bombardier Inc.	DHC-8-200	Mexican DGAC	FAA-ST00813DE
Bombardier Inc.	DHC-8-300	Mexican DGAC	FAA-ST00813DE
Bombardier Inc.	CL-215-6B11 (CL415 variant)	Transport Canada	TC-SA17-27
Bombardier Inc.	CL-600-2A12 (CL-601)	Transport Canada	TC-SA17-27
Bombardier Inc.	CL-600-2B16 (CL-601-3A variant)	Transport Canada	TC-SA17-27
Bombardier Inc.	CL-600-2B16 (CL-601-3R variant)	Transport Canada	TC-SA17-27
Bombardier Inc.	DHC-8-100	Transport Canada	TC-SA17-27
Bombardier Inc.	DHC-8-200	Transport Canada	TC-SA17-27
Bombardier Inc.	DHC-8-300	Transport Canada	TC-SA17-27
Bombardier Inc.	CL-215-6B11 (CL415 variant)	EASA	EASA-10059658
Bombardier Inc.	CL-600-2A12 (CL-601)	EASA	EASA-10059658
Bombardier Inc.	CL-600-2B16 (CL-601-3A variant)	EASA	EASA-10059658
Bombardier Inc.	CL-600-2B16 (CL-601-3R variant)	EASA	EASA-10059658
Bombardier Inc.	DHC-8-100	EASA	EASA-10059658
Bombardier Inc.	DHC-8-200	EASA	EASA-10059658
Bombardier Inc.	DHC-8-300	EASA	EASA-10059658
Cessna	650	FAA	FAA-ST00813DE
Cessna	650	Brazil ANAC	ANAC-2016S09-05
Cessna	650	Mexican DGAC	FAA-ST00813DE
Cessna	650	Transport Canada	TC-SA17-27
Cessna	650	EASA	EASA-10059658
Dassault Aviation	Mystere-Falcon 900	FAA	FAA-ST00813DE
Dassault Aviation	Mystere-Falcon 900	Brazil ANAC	ANAC-2016S09-05
Dassault Aviation	Mystere-Falcon 900	Mexican DGAC	FAA-ST00813DE
Dassault Aviation	Mystere-Falcon 900	Transport Canada	TC-SA17-27
Dassault Aviation	Mystere-Falcon 900	EASA	EASA-10059658
Fokker	F.27 Mark 050	FAA	FAA-ST00813DE
Fokker	F.27 Mark 050	Brazil ANAC	ANAC-2016S09-05
Fokker	F.27 Mark 050	Mexican DGAC	FAA-ST00813DE
Fokker	F.27 Mark 050	Transport Canada	TC-SA17-27
Fokker	F.27 Mark 050	EASA	EASA-10059658
Gulfstream	G-1159A	FAA	FAA-ST00813DE
Gulfstream	G-1159A	Brazil ANAC	ANAC-2016S09-05
Gulfstream	G-1159A	Mexican DGAC	FAA-ST00813DE
Make	Model	Approval Organization	STC Number
Gulfstream	G-1159A	Transport Canada	TC-SA17-27
Gulfstream	G-1159A	EASA	EASA-10059658
Sikorsky	S76B	FAA	FAA-SR00847DE

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Sikorsky	S76B	Transport Canada	FAA-SR00847DE
Sikorsky	S76B	Brazil ANAC	ANAC-2017S04-01
Sikorsky	S76C	FAA	FAA-SR00847DE
Sikorsky	S76C	Transport Canada	FAA-SR00847DE
Sikorsky	S76C	Brazil ANAC	ANAC-2017S04-01