

FAA STC ST00690DE | EASA STC 10049398

Installation of ECS EZMount™ Arm for Bombardier CL-600 Series Aircraft

OVERVIEW

- » FAA STC ST00690DE
- » European Aviation Safety Agency (EASA) STC 10049398

Governs the installation of an EZMount arm onto Bombardier CL-600 series aircraft in accordance with Electronic Cable Specialists' (ECS) master data list ECS-207467.

YOUR NEEDS

Provides modernized EFB system mounting provisions for Bombardier CL-600 series aircraft.

YOUR BENEFITS

Incorporation of STC ST00690DE is required to support separate installation and operational approval an EFB system in the cockpit. Once installed, the complete EFB system will provide flight crews the ability to interact with electronic maps, charts, and manuals in lieu of accessing standard paper documentation. System installation will reduce materials costs and aircraft weight without compromising ergonomic concerns.

STC AIRCRAFT EFFECTIVITY

- » Bombardier CL-600-2B16/-2C10/-2D24 series aircraft

STC CONFIGURATIONS & LIMITATIONS

- » **Configuration 1:** Installation of two EZMount arms on captain's and first officer's side of cockpit.
- » **Configuration 2:** Installation of one EZMount arm on captain's side of cockpit.
- » **Configuration 3:** Installation of one EZMount arm on first officer's side cockpit.

STC Limitations: None

PRODUCT DESCRIPTION

- » The EZMount mounting arms used for EFB Display units are installed as shown in Figures 1 & 2.

ELECTRICAL CHANGES

- » Configurations 1, 2 & 3
- » No new wires are added and no existing wires are modified or relocated.

ELECTRICAL CHANGES

- » Configuration 1 & 2
- » The lower window sill trim and sidewall panel under the captain's side window are removed.
- » Rigid mounting brackets are attached to aircraft structure in the captain's cockpit sidewall, below the forward, side window.
- » The lower window sill trim and sidewall panel are replaced over the installed brackets.
- » An internal bracket is screwed to the installed brackets through the sidewall panel.
- » An EZMount mechanical arm assembly is attached to the installed internal bracket.
- » Configuration 1 & 3
- » The lower window sill trim and sidewall panel under the first officer's side window are removed.
- » Rigid mounting brackets are attached to aircraft structure in the first officer's cockpit sidewall below the forward side window.
- » The lower window sill trim and sidewall panel are replaced over the installed brackets.
- » An internal bracket is screwed to the installed brackets through the sidewall panel.
- » An EZMount mechanical arm assembly is attached to the installed internal bracket.

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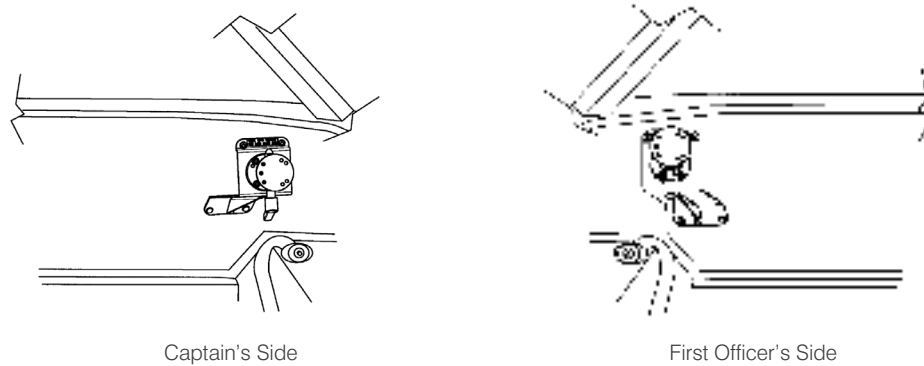


FIGURE 1:
Installation Overview - EZMount Arm

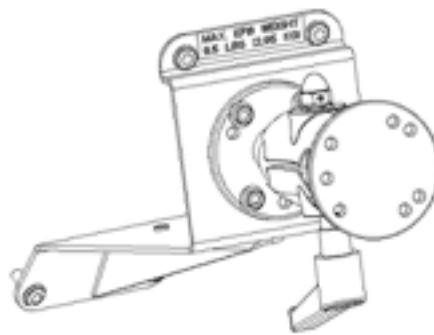


FIGURE 2:
EZMount Arm