

FAA STC ST02683CH | EASA STC 03189

Installation of ECS EZMount™ Mechanical Mounting Assemblies on Boeing 747 Series Aircraft

OVERVIEW

- » FAA STC ST02683CH
- » European Aviation Safety Agency (EASA) STC 03189

Govern the installation of an EZMount mechanical mounting assemblies on sidewalls of cockpit in accordance with Electronic Cable Specialists (ECS) master data list ECS-206728.

YOUR NEEDS

Provides modernized electronic flight bag (EFB) system mounting provisions to support future installation of EFB display units on Boeing 747 aircraft.

YOUR BENEFITS

Incorporation of either the FAA or EASA STC is required to support separate installation and operational approval of EFBs in the cockpit. Ultimately, the EFB system provides 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

- » Boeing 747-400/-400D/-400F series aircraft

STC CONFIGURATIONS & LIMITATIONS

- » **Configuration 1:** Installation of two EZMount Tilt mechanical mounting assemblies on captain's and first officer's side of the cockpit.
- » **Configuration 2:** Installation of two EZMount Slider mechanical mounting assemblies on captain's and first officer's side of the cockpit.
- » **Configuration 3:** Installation of two EZMount Slider mechanical mounting assemblies on captain's and first officer's side of cockpit. The installation similar to Configuration 2, except the Slider is mounted at a greater angle and the placement is further up and outboard.

STC Limitations: None

PRODUCT DESCRIPTION

- » This project installs ECS EZMount Tilt and Slider mounting assemblies on the lower section of both #2 windows of a Boeing 747.

ELECTRICAL CHANGES

- » No new wiring is installed and no existing wiring is modified by this installation.

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MECHANICAL CHANGES

Configuration 1:

- » The lower window shroud is removed.
- » The window shroud support assembly and window shade assembly are removed.
- » Mounting brackets for the EZMount Tilt are installed on the lower window frame using the existing mounting locations for the window shroud support and window shade assemblies. Inserts are added to the vertical sidewall panel and additional mounting brackets are installed using the new inserts.
- » The window shroud support assembly and window shade assembly are reinstalled.
- » The lower window shroud is trimmed to the EZMount Tilt mounting brackets and reattached to the lower frame of the window.
- » Cosmetic sheet metal components are added to cover open areas where the lower window shroud was trimmed.
- » The EZMount Tilt is attached to the mounting bracket (see Figure 1).

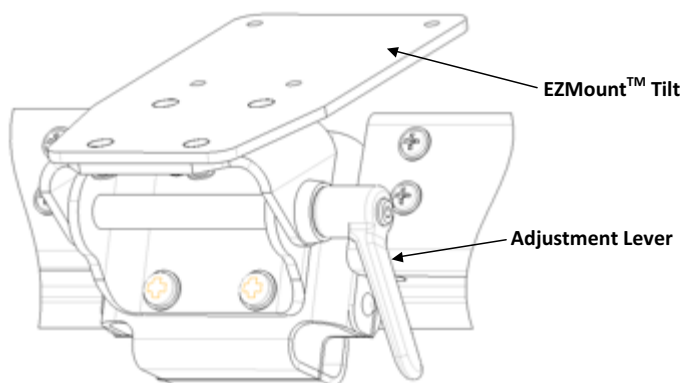


FIGURE 1:
Captain Side Window Modified with EZMount Tilt
(First Officer Installation is Mirror Image)

MECHANICAL CHANGES CONT'D.

Configuration 2:

- » The lower window shroud is removed.
- » The window shroud support assembly and window shade assembly are removed.
- » Mounting brackets for the EZMount Slider are installed on the lower window frame using the existing mounting locations for the window shroud support and window shade assemblies. Inserts are added to the vertical sidewall panel and additional mounting brackets are installed using the new inserts.
- » The window shroud support assembly and window shade assembly are reinstalled.
- » The lower window shroud is trimmed to the EZMount Slider mounting brackets and reattached to the lower frame of the window.
- » Cosmetic sheet metal components are added to cover open areas where the lower window shroud was trimmed.
- » The EZMount Slider is attached to the mounting bracket (see Figure 2)

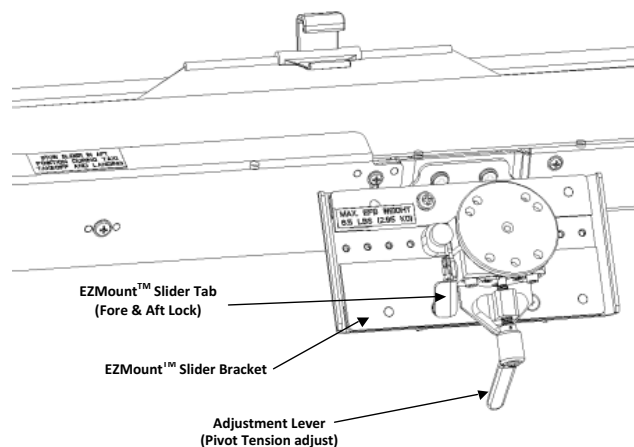


FIGURE 2

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MECHANICAL CHANGES CONT'D.

Configuration 3:

- » The lower window shroud is removed.
- » The window shroud support assembly and window shade assembly are removed.
- » Mounting brackets for the EZMount Slider are installed on the lower window frame using the existing mounting locations for the window shroud support and window shade assemblies. Inserts are added to the vertical sidewall panel and additional mounting brackets are installed using the new inserts.
- » The window shroud support assembly and window shade assembly are reinstalled.
- » The lower window shroud is trimmed to the EZMount Slider mounting brackets and reattached to the lower frame of the window.
- » Cosmetic sheet metal components are added to cover open areas where the lower window shroud was trimmed.
- » The EZMount Slider is attached to the mounting bracket (see Figure 3)

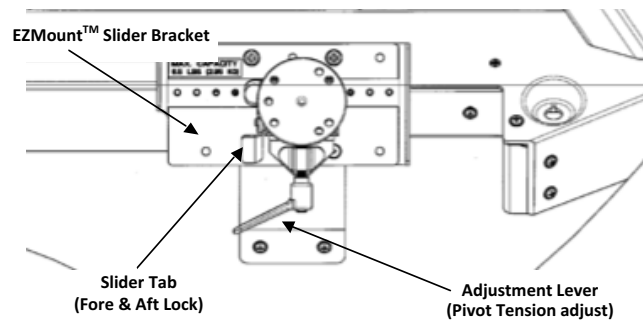


FIGURE 3:
Ca[ptain Side Window Modified with EZMount Slider
(First Officer Installationis Mirror Image)