

## FAA STC ST01326CH

### Installation of Automatic Dependent Surveillance – Broadcast (ADS-B) Antennas on Boeing 747-100/-200B & 747SR Series Aircraft

#### OVERVIEW

- » FAA STC ST01326CH

*Installation of Automatic Dependent Surveillance – Broadcast (ADS-B) Antennas in accordance with Electronic Cable Specialists (ECS) master data list ECS-990445*

#### YOUR NEEDS

In the event that your aircraft does not comply with FAA-mandated ADS-B Out capabilities, STC ST01326CH supports installation of ADS-B provisions on Boeing 747 series aircraft. Refer to FAA Advisory Circular 20-165A for details on the Airworthiness Approval of ADS-B Out systems.

#### YOUR BENEFITS

After modification per STC ST01326CH, your aircraft will be appropriately configured to comply with FAA-mandated ADS-B Out system requirements. Installation of the provisions also establishes ADS-B In capabilities, which will provide in-flight location awareness information to the flight deck.

#### STC AIRCRAFT EFFECTIVITY

- » Boeing 767-300 series aircraft

#### STC CONFIGURATIONS & LIMITATIONS

- » **Configuration 1:** ADS-B antenna provisions to include 1090 & GPS antenna provisions only; Boeing 747-100 and 747SR series aircraft.
- » **Configuration 2:** ADS-B antenna provisions to include UAT & VDL-M4 antenna provisions only; Boeing 747-100 and 747SR series aircraft.
- » **Configuration 3:** ADS-B antenna provisions to include 1090 & GPS antenna provisions only; Boeing 747-200B series aircraft.
- » **Configuration 4:** ADS-B antenna provisions to include UAT & VDL-M4 antenna provisions only; Boeing 747-200B series aircraft.

*STC Limitations: Only approves the installation of ADS-B provisions, not ADS-B system operation.*

#### PRODUCT DESCRIPTION

This installation consists of installing the following ADS-B antennas on Boeing 747 aircraft. Refer to the figure on the next page for antenna locations:

- » Upper UAT antenna
- » Lower UAT antenna
- » Upper GPS antenna
- » Upper 1090 antenna
- » Lower 1090 antenna
- » Lower VDL-M4 antenna

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