

STC Information Sheet

FAA STC: SA02821AT

Master Drawing List: EMTQ-036-MDL

Aircraft: Beechcraft Corporation B1900C/D Series

Configuration: 1

Sandel ST3400 Terrain Awareness and Warning System (TAWS) Installation

Mod. Order: EMTQ-036M-2

AFMS: EMTQ-036A-FMS

Master Kit List: EMTQ-036-MKL

ICA: EMTQ-036-CAW

Summary:

The Sandel ST3400 Terrain Awareness and Warning System (TAWS) unit replaces the existing Honeywell MK VI Ground Proximity Warning System (GPWS) for standard GPWS functions. For this configuration, the ST3400 TAWS unit is mounted in place of the removed Traffic Collision Avoidance System (TCAS) I Control Display Unit (CDU).

If required, a new Global Positioning System (GPS) sensor, and its associated antenna, dedicated to the ST3400 TAWS are installed to provide the ST3400 unit with position data.

The existing GPWS warning and override switches are retained and reused. The existing GPWS caution annunciators are replaced with lenses that comply with Lamp format 2. These caution annunciators are also used to cancel the Below Glideslope alerts. For this configuration, TCAS selection light/switches are installed for TCAS OFF/ON, TCAS GND STBY, and TCAS TEST/MODE.

Notes:

* or later TSO approved. Unit must be loaded with software version A3.06, 3.07 or later, per FAA AD 2006-16-18.

** required for non-WAAS areas.

Material List

QTY	Part Number	Description	Source/MFGR
1	ST3400-000* or ST3400-001*	Unit, TAWS/RMI (Black Bezel) Unit, TAWS/RMI (Grey Bezel)	Sandel Avionics
1	84100-02-0301 or 84100-02-0304 or 84100-02-0303** or 84100-03-0304**	Sensor, GPS (optional)	Free Flight Systems
1	81194	Antenna, GPS HI Speed (optional)	Free Flight Systems
1	B1900-ST34-001	Kit, Sandel TAWS	Woven Electronics, LLC

STC Information Sheet

Aircraft: Beechcraft Corporation B1900C/D Series

Configuration: 2

Sandel ST3400 Terrain Awareness and Warning System (TAWS) Installation

Mod. Order: EMTQ-037M-1

AFMS: EMTQ-036B-FMS

Master Kit List: EMTQ-037-MKL

ICA: EMTQ-036-CAW

Summary:

The Sandel ST3400 Terrain Awareness and Warning System (TAWS) unit replaces the existing Honeywell MK VI Ground Proximity Warning System (GPWS) for standard GPWS functions. For this configuration, the ST3400 TAWS unit is mounted in place of the removed First Officer's Radio Magnetic Indicator (RMI). If required, a new Global Positioning System (GPS) sensor, and its associated antenna, dedicated to the ST3400 TAWS are installed to provide the ST3400 unit with position data.

The existing GPWS warning and override switches are retained and reused. The existing GPWS caution annunciators are replaced with lenses that comply with Lamp format 2. These caution annunciators are also used to cancel the Below Glideslope alerts.

Notes:

* or later TSO approved. Unit must be loaded with software version A3.06, 3.07 or later, per FAA AD 2006-16-18.

** required for non-WAAS areas.

Material List

QTY	Part Number	Description	Source/MFGR
1	ST3400-000* or ST3400-001*	Unit, TAWS/RMI (Black Bezel) Unit, TAWS/RMI (Grey Bezel)	Sandel Avionics
1	84100-02-0301 or 84100-02-0304 or 84100-02-0303** or 84100-03-0304**	Sensor, GPS (optional)	Free Flight Systems
1	81194	Antenna, GPS HI Speed (optional)	Free Flight Systems
1	B1900-ST34-002	Kit, Sandel TAWS	Woven Electronics, LLC