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STC Information Sheet

FAA STC: ST03022AT

Master Drawing List: 2-25979-001

Aircraft: Embraer EMB-120 Series

Configuration: 1

Sandel ST3400 Terrain Awareness and Warning System (TAWS) Installation

Mod. Order: 2-25979-800

AFMS: 2-25979-909

Master Kit List: 2-25979-801

ICA: 2-25979-908

Summary:

The Sandel ST3400 Terrain Awareness and Warning System (TAWS) unit replaces the existing Honeywell MK II or MK VI Ground Proximity Warning System (GPWS). The ST3400 TAWS unit is mounted in the instrument panel in place of the 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 Caution light/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.

** 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 84100-02- 0304**	Sensor, GPS (optional)	Free Flight Systems
1	81194	Antenna, GPS Hi Speed (optional)	Free Flight Systems
1	EMB120-TAWS-901	Kit, Sandel TAWS	B/E Aerospace