



Enhanced Ground Proximity Warning System

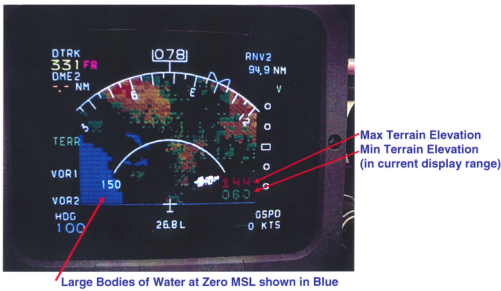
BENEFITS

FIELD AVIATION's integrated solution to fit a Honeywell MK VIII Enhanced Ground Proximity Warning System to the **DASH 8 Q SERIES** has been developed with operator input.

All Line Replaceable Units (LRUs), installation materials and documentation are provided in a single kit, allowing installation by operators during scheduled maintenance or as a standalone mod.

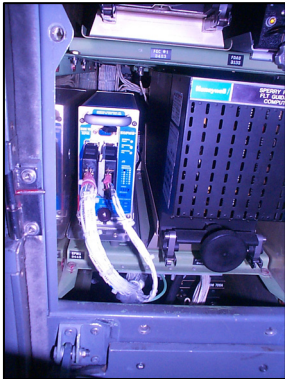
- ALL DASH 8 cockpit configurations have been addressed by dedicated kit – dash numbers
- Similar to the installation in new aircraft from the factory post-msn 550
- designed specifically to replace existing MK II GPWS
- database updates from the manufacturer at no charge
- dedicated technical support help desk
- no additional cockpit display required
- MK VIII EGPWC (computer) exceeds the requirements of TSO C151a Class A for a Terrain Awareness and Warning System (TAWS)
- Modification developed by the leader in avionics solutions for the DASH 8 aftermarket - **FIELD**

APPLICABILITY



Typical display on DASH 8 EFIS – EHSI

- DHC-8 series 100, 200 and 300
- EFIS and non-EFIS cockpits
- EFIS aircraft can display terrain on EHSI or Weather Radar
- Non-EFIS aircraft display terrain data on Primus 660, Primus 800 or RDS-86 radar PPI
- Steep Approach operations supported
- Installation can be “provisions-only”



MK VIII EGPWC

Description

The existing Sundstrand MK II GPWS system components and provisions are removed or deactivated. Existing wiring is reterminated. New wiring is added. A new mounting tray is installed in previous MK II location. A GPS antenna is installed on upper fuselage (if not interfacing to a Flight Management System). A Display Switching Unit is installed if displaying terrain on Honeywell Primus 800 radar. Annunciator sets are installed on the pilot's and co-pilot's flight panels. A temperature probe is installed on the bottom fuselage (series 100 aircraft).

For display on EFIS, the EFIS Symbol Generators must be upgraded from P/N 7004544-312 to P/N 7004544-314 per Honeywell SB 7004544-34-48 (Bombardier SB 8-34-185 also refers). EFIS Display controller must be modified to P/N 7005819-813 per Honeywell SB 7005819-34-8.

Ground testing and configuration is performed. Test flight after maintenance is performed.

Manpower

Installation requires approximately 140 man-hours, not including access & closeout.

Weight

The installed system results in an approximate delta weight change of +0.3 lbs (EFIS aircraft) and +3.3 lb (non-EFIS aircraft).

STC Kit Contents

- Honeywell Enhanced Ground Proximity Warning Computer (EGPWC)
- AVTECH Display Switching Unit (DSU) **required if displaying terrain on Radar only**
- Prewired harness(es)
- Miscellaneous electrical hardware (circuit breakers, relays, etc.)
- GPS antenna
- Annunciator assemblies
- Structural details and mounting provisions
- Installations instructions
- Manual Supplements
- Warranty Application
- Flight Manual Supplement
- Weight & Balance Amendment

Electrical Load Data

1. Direct Current Loads

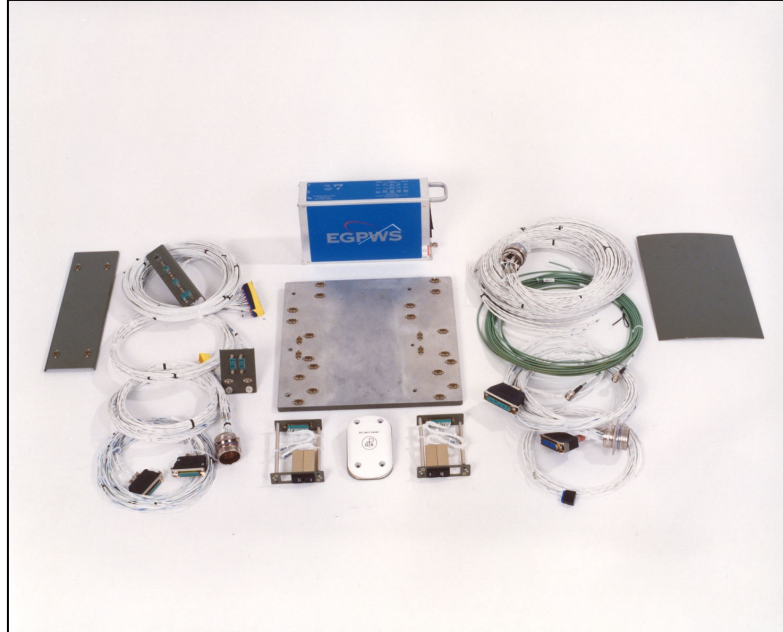
Series	Amperes	Bus
100/200/ 300	0.8 A (EFIS) 2.1 A (non- EFIS)	Left Main 28VDC

Approvals

- Transport Canada SA00-124
- US FAA ST 01646NY
- EASA EASA.IM.A.S.00328
- Australia familiarized
- Japan STC-174-TYO

KIT PRICE & DELIVERY

Kits are available normally twelve weeks after placing an order.
Lead-time is subject to change.



For further information or a quotation, please contact:

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FIELD. Yes. We can do that.