



## SERVICE BULLETIN D/G ELT10-773 and ELT10-773-2 ANTENNAS

**TO:** General Aviation Aircraft Service Centers

**DATE:** May 29, 2008

**SUBJECT:** Dual frequency ELT antennas D/G P/N ELT10-773 and ELT10-773-2 are obsolete and are no longer manufactured by Dayton-Granger, Inc. These antennas were designed and qualified for fixed wing aircraft only. Enhanced versions are under development to replace the obsolete antennas. The enhanced antennas are designed for installation on General Aviation fixed-wing and rotary aircraft with maximum design speed of 250 knots. These new versions are presently undergoing Qualification Testing, and TSO-C91a and C126 approval is pending.

**PURPOSE:** This Service Bulletin communicates operational limitation placed on the ELT10-773 and ELT10-773-2. Installation of the ELT10-773 and ELT10-773-2 is limited to General Aviation Fixed-Wing aircraft with speed up to 250 knots.

**REASON:** A reported failure indicates that an ELT10-773 antenna installed on the engine cover of a Robinson R44 Helicopter broke during flight. The metal ball at the tip of the whip caused the whip to vibrate excessively resulting in failure of the metal whip.

**CORRECTIVE ACTION** - Redesign Antenna.

P/N ELT10-773-3 - Replaced metal ball with plastic protective cap.

P/N ELT10-773-4 - Replaced metal ball with plastic protective cap and replaced whip with a higher grade steel material.

Both redesigned antennas are form, fit and functionally similar to the ELT10-773 antenna.

**APPROVAL (Pending):** New designed antenna proposed P/N's, ELT10-773-3 and ELT10-773-4. Dayton-Granger will be seeking FAA TSO-C91a and TSO-C126 approval in addition to EASA ETSO-2C91a and ETSO-2C126 approval, as limited to General Aviation Category. These approvals were previously obtained for the obsolete antennas.

**COMPLIANCE:** 14 FAR, PART 21, Subpart O

**MANPOWER:** No additional manpower is required for antenna replacement.

**WEIGHT AND BALANCE:** No change.

**ELECTRIAL LOAD:** No change.

### **REFERENCES:**

D/G Drawing #ELT10-773-3 & ELT10-773-4 Antenna, ELT

D/G Drawing #10-773-3-106 & 10-773-4-106, Plate Identification

D/G Document #701680, Limitation & Installation Instructions for ELT10-773- ( )

D/G Document #701781, Qualification Test Plan & Procedure ELT10-773-3 & ELT10-773-4

D/G Document #701784, Qualification Test Report, ELT10-773-3 & ELT10-773-4 (Pending)

### **AVAILABILITY OF REPLACEMENT ELT10-773-3 & ELT10-773-4 ANTENNAS**

ELT10-773 and ELT10-773-2 antennas are no longer procurable from Dayton-Granger, Inc.

All future orders for ELT10-773 and ELT10-773-2 will be changed to ELT10-773-3 or ELT10-773-4.

For service information, pricing, and revisions, contact:

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