

Tedeco Zapper[®] Product News



MBB BK117 flies with Certified Zapper system

TEDECO has recently been issued an STC by the FAA to cover manufacture and installation of a Zapper Pulsed Electric Chip Detector kit for the MBB BK117 helicopter. The STC allows all operators of the BK117 to install the kit on their rotorcraft as an approved accessory. The Zapper uses stored electrical energy to eliminate the nuisance indications

frequently experienced with standard electric chip detectors. With a standard chip detector, the pilot does not know if a chip light is caused by a failure or just nuisance fuzz. The Zapper distinguishes between non-critical "normal" wear debris and significant failure indicating contaminant.

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The Zapper system operates in conjunction with existing wiring and with the existing chip detectors in the main transmission. When debris bridges the chip detector gap, the caution light on the instrument panel will illuminate. The pilot will then actuate the "clear chip" momentary switch and then release it. The particles or normal wear fuzz will be

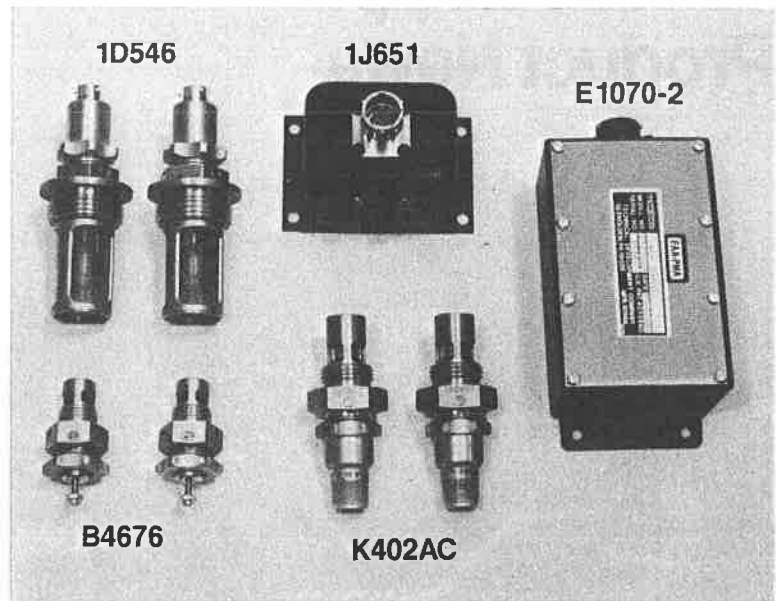
cleared off the chip gap and the caution light will turn off. If the debris is of a more significant nature, the caution light stays on. If the light remains lit or comes on again within a few minutes (possibly indicating a failure), the pilot should follow normal precautionary procedures.

*The STC kit consists of the following components:
(Pre-cut cables and all required installation hardware are provided.)*

LOCATION	DESCRIPTION	TEDECO P/N	QTY.
Engine	Debris Monitor	1D546	2
Main Transmission	Chip Detector	K402AC	2
Intermediate Gearbox	Chip Detector	B4676	1
Tail Gearbox	Chip Detector	B4676	1
Nose Electronics Bay	Power Module*	E1070-2	1
Nose Electronics Bay	Counter Module**	1J651	1

*This four channel module provides power to the Zapper chip detectors in main transmission, tail/intermediate gearboxes and both engines.

**Contains two events counters to monitor engine "burn off" events only. Module 1J651 has resettable type counters. For non-resettable type counters, module 1J994 is furnished.



ORDERING INFORMATION

The Zapper system is available with either resettable or non-resettable counters in the counter module box.

For resettable counters — order System **1K949G/1**

For non-resettable counters — order System **1K949G/2**

VICKERS

A **TRIMOVA** Company

United Kingdom

Vickers Systems Ltd.
Tedeco Division
Guildford Road
Farnham
Surrey GU9 9QS
England
Phone: 0252 737138
FAX: 0252 726349
TLX: 859523

United States

Vickers Incorporated
Tedeco Division
24 E. Glenolden Avenue
Glenolden, Pennsylvania 19036
U.S.A.
Phone: 215-583-9400
FAX: 215-583-3985
TWX: 510-669-1323
TLX: 831429