

Tedeco Zapper[®] Product News



Zapper STC kit available for Sikorsky S-76A engines

TEDECO has been issued STC#SH554NE by the FAA for a Zapper Pulsed Electric Chip Detection kit for the Allison 250-C30 engine, when this engine is used on the Sikorsky S-76A helicopter. The STC allows any S-76A operator to install the kit on the Allison 250-C30 engine.

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 potentially ser-

ious problem or by non-critical debris particles. The Zapper distinguishes between non-critical "normal" wear debris and significant failure indicating particles. The Zapper has proven to be a useful tool in eliminating **unscheduled landings, unnecessary inspections** and **premature component removals** associated with chip detector nuisance indications. It is the most effective condition monitor available today for pressure lubricated systems which have ferromagnetic components.

Tedeco Zapper Product News

HOW IT WORKS:

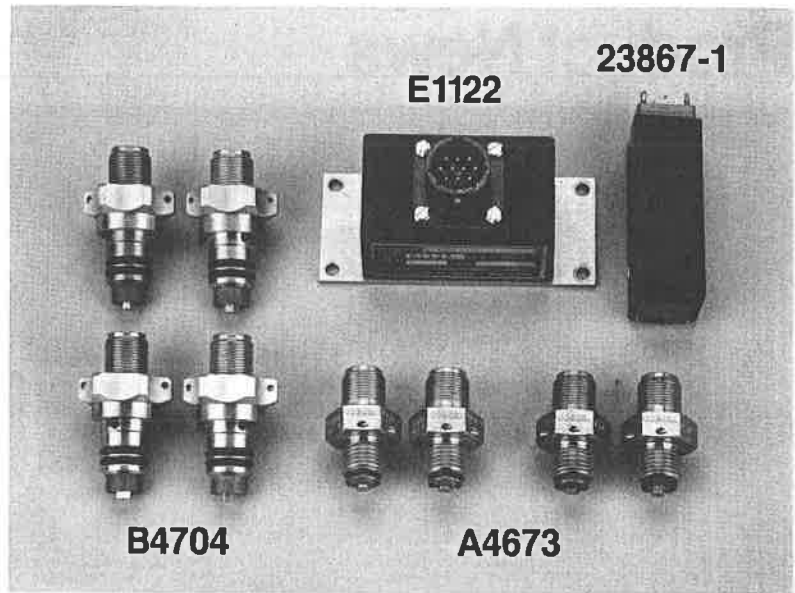
When captured particles cause a chip light, the pilot actuates the cockpit-mounted pulse switch. A brief, current pulse will clear the chip detector of fine fuzz or small normal wear particles, allowing the chip light to extinguish. If the

chip light remains lit or comes on again within a few minutes (possibly indicating the presence of significant debris particles), the pilot should follow normal precautionary procedures.

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

LOCATION	DESCRIPTION	TEDECO P/N	QTY.
Engines	Chip Detector	A4673*	4
Cockpit	Pulsed Module	E1122	1
Cockpit	Indicator Switch Assembly	23867-1	1

*A4673 is for threaded installation only. Engine chip detector part number for quick-disconnect insert is B4704.



ORDERING INFORMATION

For helicopters having threaded engine chip detectors — order System **1K1734-1**

For helicopters having quick-disconnect type engine chip detectors — order System **1K1734-2**

VICKERS

A TRINOVIA 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