



NO: SD-SC-004

DATE: 2008-02-07

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SAFETY DIRECTIVE -MANDATORY-

Czech Aircraft Works s.r.o.
Na Zahonech 1177
Building A10s
686 04 Kunovice -Airport
Czech Republic
tel: 00 420 572 543 456
fax: 00 420 572 543 692

REV: -

DATE: -

MODEL AFFECTED: SPORTCRUISER

SUBJECT: FASTON ELECTRICAL CONNECTOR – REPLACEMENT OF

ASSEMBLED AIRCRAFTS AFFECTED: S/N 06SC001 thru 07SC080
(SPORTCRUISERS serial numbers 07SC081 and subsequent will have the intent of this bulletin accomplished prior to delivery.)

KITS AFFECTED: Wiring is not installed by manufacturer – on builder’s responsibility.

COMPLIANCE: DURING THE NEXT MAINTENANCE EVENT BUT NO LATER THEN 10 FLIGHT HOURS

DESCRIPTION:

Safety directive concern Faston connector that is used for junction of wire that connect Rotax alternator to rectifier.

There were some cases in operation when due to the big transition resistance in the connector the abnormal connection heating and burn-out the connection insulation tubing was caused. (see Fig. 1) It is needed to replace this Faston connector by soldered connection.

APPROVAL:

The engineering design aspects of this bulletin are Czech Aircraft Works s.r.o. approved.

MANPOWER:

Aproximately 10 minutes is required to complete STEP 1 of this bulletin.
Aproximately 50 minutes is required to complete STEP 2 of this bulletin.
Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

Not affected.

MATERIAL:

Not affected.

CONSUMABLE MATERIAL:

PART NUMBER	NOMENCLATURE	QUANTITY
SOLVENT	ACETONE, MEK, ISOPROPYL ALCOHOL	10 ml
WIRE	SAME GRADE AS USED, YELLOW, 2.5mm ²	100 mm
HEAT SHRINKABLE TUBING	DIA 6.4 mm	AS REQ.
SOLDER	59.5 TO 61.5% TIN, REMAINDER LEAD	AS REQ.



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SPECIAL TOOLS:

Not affected.

WEIGHT AND BALLANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

SPORTCRUISER Maintenance and Inspection Procedures

PUBLICATIONS AFFECTED:

Not affected.

ACCOMPLISHMENT INSTRUCTIONS:

STEP 1:

1. Remove upper engine cowling.
2. Find yellow wire that connect Rotax alternator to rectifier. (See Fig 2)
3. Check if there is used Faston type connector to connect (covered by black heat shrinkable tubing).
4. If Faston connector is used, continue to STEP 2.
5. If there is soldered connection used, restore aircraft to the airworthy condition and annotate aircraft records to reflect compliance with this bulletin.

STEP 2:

1. Remove heat shrinkable tubing.
2. Cut wire close to Faston tab and Faston receptacle.
3. Prepare wire for soldering, use a solvent for cleaning.
4. Use 100 mm long wire, the same grade, yellow color, 2.5 mm², for bridging of cutted faston connector. Prepare it for soldering, use a solvent for cleaning.
5. Put on heat shrinkable tubing to wire.
6. Solder wire using by means of soldering iron.
7. Move heat shrinkable tubing to the soldered area, use heat gun for shrink.
8. Restore aircraft to the airworthy condition.
9. Conduct engine test run including ignition check.
10. Annotate aircraft records to reflect compliance with this bulletin.

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Fig. 1

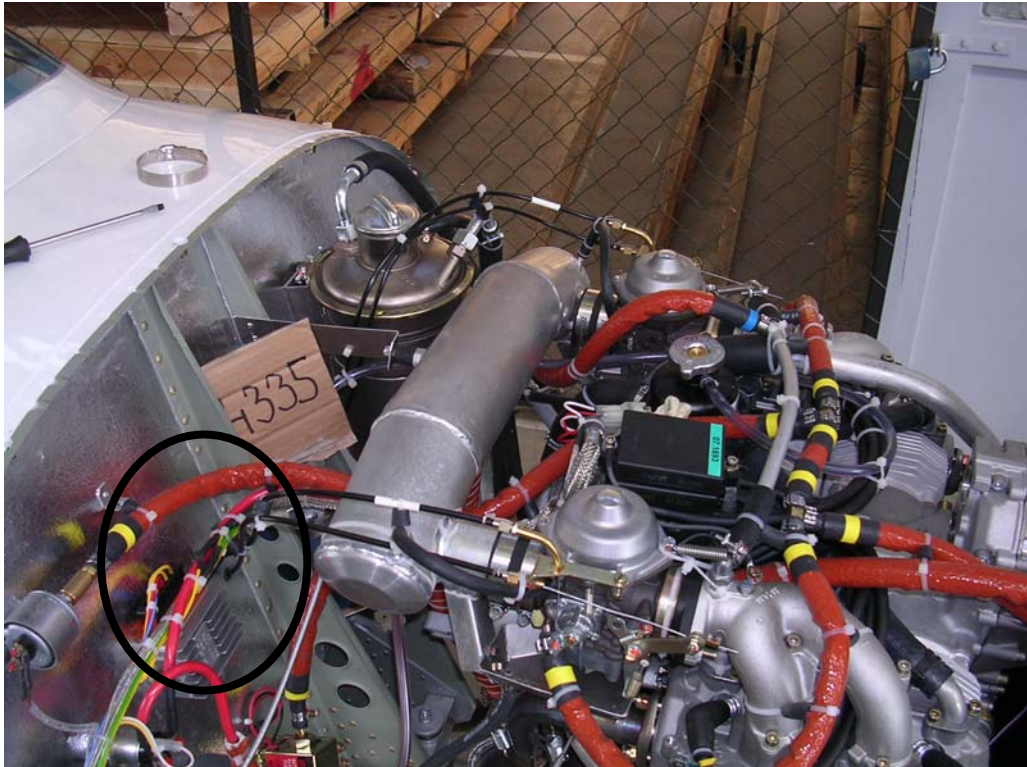


Fig. 2