



"TAKE YOUR CESSNA HOME FOR SERVICE AT THE SIGN OF THE CESSNA SHIELD"

single-engine SERVICE LETTER

MARKETING DIVISION • CESSNA AIRCRAFT COMPANY
WICHITA, KANSAS 67201 • CABLE ADDRESS / CESSCO WICHITA

April 21, 1972

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SE72-15

SUBJECT: OVER VOLTAGE TRIP-OUT CAPACITOR INSTALLATION

AIRCRAFT AFFECTED: 1972 Models prior to the following:

<u>Model</u>	<u>Serial</u>	<u>Model</u>	<u>Serial</u>
150	15073084	F177RG	F177RG0046
A150	A1500313	180	18052232
F150	F15000769	182	18260942
FA150	FA1500128	185	18501964
172	17260318	206	U20601751
F172	F17200826	207	20700207
FR172	FR17200294	210	21059553
177	17701690	337	33701427
177RG	177RG0243		

REASON FOR LETTER:

A capacitor has been added to the over voltage sensor and trip-out system on current production aircraft to increase time delay in the system. Addition of this capacitor prevents nuisance trip-outs caused by voltage spikes or transients.

ACTION REQUIRED:

If occasional trip-outs have occurred and upon recycling the system (turning the master switch off and on) a second trip-out does not occur, the trip-out was probably due to a voltage spike or transient.

Installation of a 500 microfarad, 50 volt electrolytic capacitor (part number shown below) in accordance with the attached instructions will make the system less sensitive to spikes and transients. If subsequent trip-outs occur after recycling the system, check the charging and voltage regulating system to determine the cause of the overvoltage situation.

PARTS INFORMATION:

The following parts are available through the Cessna Dealer Organization.

<u>Part Number</u>	<u>Description</u>	<u>Qty. Req'd.</u>	<u>Suggested List Price</u>
TVA1315	Capacitor	1	\$1.62 (A) ea.
S1367-1-6	Terminal	2	\$.25 (S) ea.

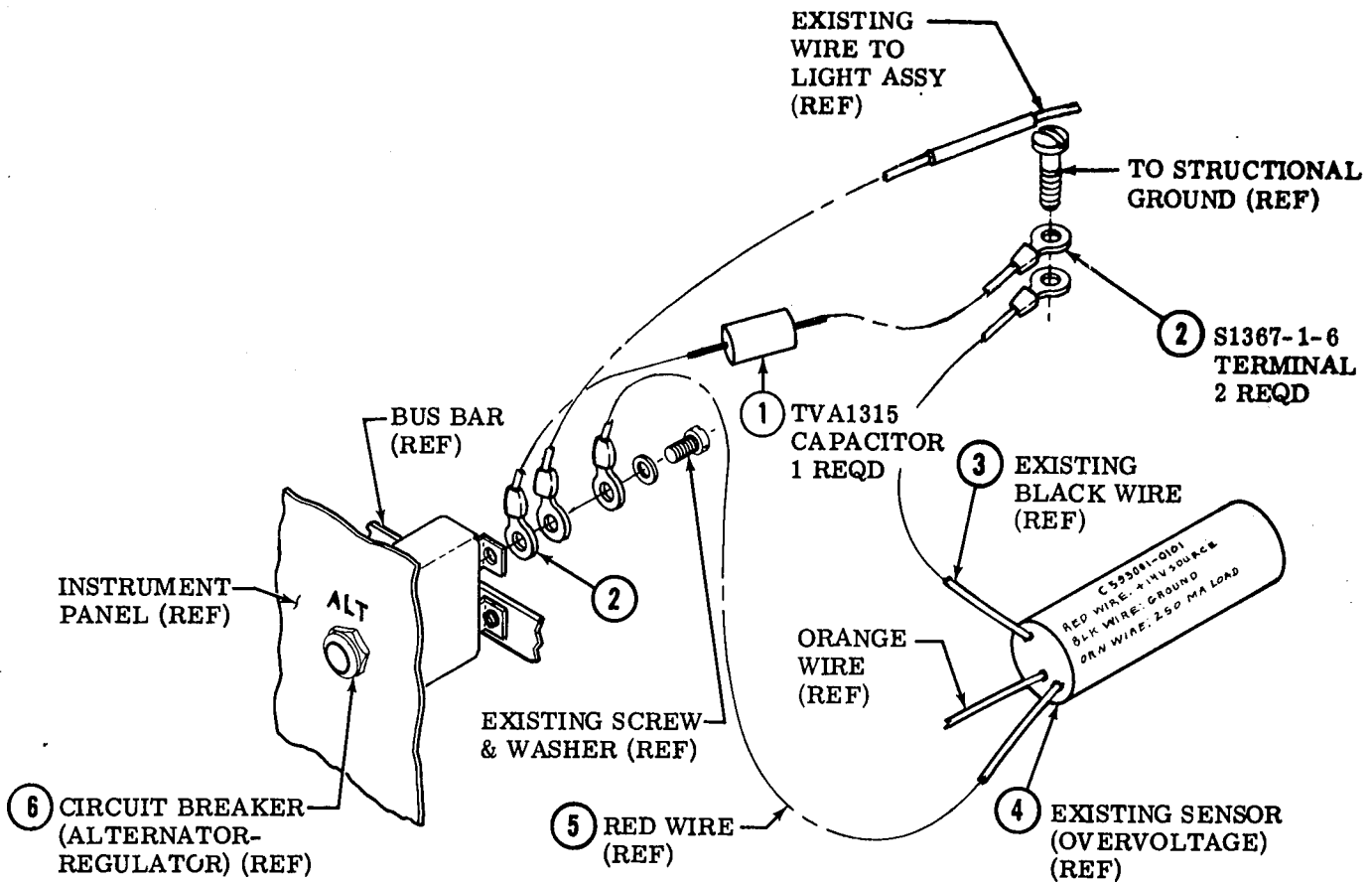
(Owner Notification System - No. 1)

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

THE CESSNA AIRCRAFT COMPANY

THERE ARE MORE CESSNAS FLYING THAN ANY OTHER MAKE

OVER VOLTAGE TRIP-OUT, CAPACITOR INSTALLATION



INSTALLATION INSTRUCTION.

1. Turn master switch OFF and disconnect Battery Ground strap.
2. Install insulation sleeving on bare leads of capacitor (1), and install terminal (2) on end of each lead of capacitor.
3. Install and connect capacitor (1) between circuit breaker (6) and structural ground as shown. Ensure termination is made between existing black wire (3) and red wire (5) of over voltage sensor (4) as shown.
4. Ensure all connections are tight and reconnect Battery Ground strap.