



RECORD OF CONVERSATION

All persons listed were interviewed by Zoë Keliher:

The following is a summary of conversation:

LUIS CAMACHO (DIRECTOR OF MAINTENANCE AT SKYFIX INTERNATIONAL)

Description of failure: in flight (pbi to myaf) aircraft lost all electrical power. After all electrical power failure emergency procedures were attempted by pilot in command. Pilot in command then attempted extension of the landing gear by emergency blow down, system failed due to t-handle separating from cable. By this failure the emergency blow down was not able to discharge to blow down landing gear.

After reading pilot report and inspected aircraft after emergency landing (belly landing), found left starter motor with external overheating damage. Inspected starter motor and found electrical short inside the unit. Removed and inspected starter relay found magnetic relay stayed in the closed position and presented internal signs of shorting out. In closed position the starter puts a large load on the aircraft. This aircraft charging system is not capable of maintaining a charge with a constant load draw. This draw caused the aircraft to lose all electrical power in flight.

C/W inspection after belly landing found damage on the following items: STRINGER -CTR FS 225.00 TO FS 28, STRINGER - RH OUTBD FS 207.00 TO FS 28, STRINGER RH FS 213.60 TO FS 28, BULKHEAD SEGMENT ASSY FS 200.75, BULKHEAD SEGMENT ASSY FS 213.60, BULKHEAD ASSY FS 238. All this item will be repair IAW Cessna 402C maintenance manuals chapter 51-40-04 and AC 43.13-1B and also all belly skins will be replace as necessary.

Luis Camacho director of maintenance

	Manufacturer	Model	Serial Number	Total Time (hours)
(a) Aircraft	CESSNA	402C	0418	6195.7
(b) Engine	CONT	TSIO520VB	1007755	1139.2
(c) Propeller	MCAULY	3AF32C505	100246	1021.1

(a) Part Name	(b) Manufacturer's Name	(c) Part Number	(d) Serial Number
STARTER RELAY	CESSNA	9910397-1	N/A
(e) Part Condition	(f) Part/Defect Location	(g) Total Time (hours)	(h) Total Cycles (i) Time Since (hours)
BURNED OUT	Zone 500 - Left Wing	6195.7	UNK 6195.7
OR			☐ Overhaul ☐ Repair

(a) Component Name	(b) Manufacturer's Name	(c) Part Number	(d) Serial Number	(e) Model Number
STARTER MOTOR	CONT	646275	H-Y-171515	N/A
(f) Location	(g) Total Time (hours)	(h) Total Cycles	(i) Time Since (hours)	
LEFT ENGINE	UNK	UNK	1017.4	
				☒ Overhaul ☐ Repair ☐ Inspection Reset

Zoë Keliher
Air Safety Investigator
Western Pacific Region



Figure 1: Starter 6462751

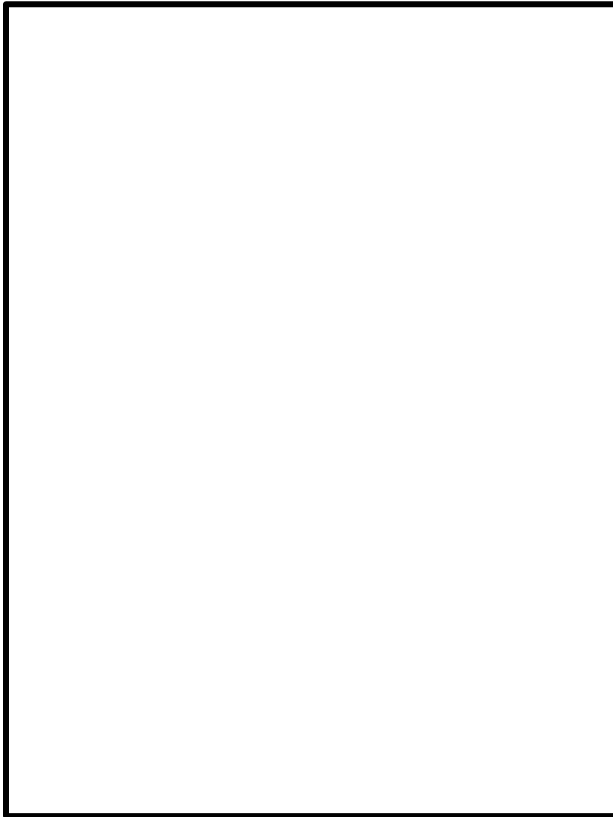


Figure 2: Starter Corrosion



Figure 3: Starter Armature



Figure 4: Brush Holder Assembly



Figure 5: Starter Relay



Figure 6: Starter Relay Contacts