

AG-MI-2015-01-C-EN –Crimp Connection 10 mm² Wires

Category **C**

EFFECTIVE DATE

26.02.2015

SUPERSEDES/REPLACES

N/A (initial issue)

APPLICABILITY

Calidus serial numbers C00349 up to and including C00376
Calidus, which are retrofitted with Starter Battery Kit (C.EL29 / after 14.07.2014)
Aircraft registered under CAA UK regulations are not affected.

COMPLIANCE

To be performed within the next maintenance event.

BACKGROUND

Within quality checks inaccurate crimp connections of 10 mm² wires from part kit C.EL29-kit were found

RISK OF NEGLECT

Failure to comply with this instruction/information will result in

- possible damage to the aircraft
- loss of related warranty

SCOPE OF WORK

Replacement of 10 mm² wires from part kit C.EL29

AFFECTED AREAS

N/A

SPECIAL TOOLS & CONSUMABLE MATERIALS

N/A

PARTS

C.EL29.23.04	Connecting Cable Battery (red, 10 mm ² , wire length: 210 mm)
C.EL29.23.02	Connecting Cable Starter (red, 10 mm ² , wire length: 270 mm)
C.EL29.19	Starter Cable (red, 10 mm ² , wire length: 325 mm)
C.EL29.20	Battery Ground (L-) Cable (black, 10 mm ² , wire length: 75 mm)
C.EL29.21	Starter Ground (L-) Cable (black, 10 mm ² , wire length: 175 mm)

LABOR AND REQUIREMENTS

To accomplish 3.0 h

Task may only be performed by an organization or individual trained and entitled to do 'Line Maintenance'.

SUPPORT POLICY

Parts f.o.c.

REFERENCES

Manufacturer Maintenance Manual (MMM) in latest revision.

DOCUMENTATION

The accomplishment of this Manufacturer Information, or the decision of its rejection, must be properly documented, if such procedure is required by the relevant authority.

Warnings Caution and Notes

This instruction uses **WARNINGS**, **CAUTIONs** and **NOTEs** in bold italic letters to indicate especially critical and important instructions. The call-outs appear at the top of the Maintenance Job Card if of general nature or applicable for the complete task, or will directly precede the individual Work Step.

The meaning of each call-out is defined below:

WARNING: A warning means that the neglect of the appropriate procedure or condition could result in personal injury or fatal accidents.

CAUTION: A caution means that the neglect of the appropriate procedure or condition could result in damage to or destruction of equipment.

NOTE: A note stresses the attention for a special circumstance, which is essential to emphasize.

Category Codes

- A** Safety critical - failure to comply may result in a significant reduction of flight safety, injury or death
- B** Important - failure to comply may result in reduced safety margin, injury and/or equipment damage
- C** Beneficial - improves operating behaviour, reliability and/or maintainability

COMPLIANCE PROCEDURE

GENERAL, REFERENCES AND REQUIREMENTS

Task may only be performed by an organization trained and entitled to do 'Line Maintenance'.

Engine cowlings must be removed, see 52-00-00 4-1

Secure gyroplane against unauthorized or unintended operation!

Gyroplane must be placed on level ground and restrained (blocks, chocks)

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

N/A

PRECAUTIONS AND SAFETY MEASURES

Battery must be disconnected, see 24-30-00 4-1, steps 1-2

WARNING Electrical shortcuts will produce high current with the risk of personal injury and damage to equipment!

PROCEDURES

- 1 Replace Connecting Cable Battery (C.EL29.23.04 / red / 10 mm² / wire length: 210 mm / between battery hot (L+) connector and fuse carrier 125 A - fuse) with new part
- 2 Replace Connecting Cable Starter (C.EL29.23.02 / red / 10 mm² / wire length: 270 mm / between fuse carrier 125 A – fuse and magneto switch) with new part
- 3 Replace Starter Cable (C.EL29.19 / red / 10 mm² / wire length: 325 mm / between magneto switch and starter hot (L+) connector) with new part
- 4 Replace Battery Ground (L-) Cable (C.EL29.20 / black, 10 mm², wire length: 75 mm / between battery ground (L-) connector and engine mount) with new part
- 5 Replace Starter Ground (L-) Cable (C.EL29.21 / black, 10 mm², wire length: 175 mm / between engine mount and water pump) with new part

PARTS LIST

C.EL29.23.04	Connecting Cable Battery (red, 10 mm ² , wire length: 210 mm)
C.EL29.23.02	Connecting Cable Starter (red, 10 mm ² , wire length: 270 mm)
C.EL29.19	Starter Cable (red, 10 mm ² , wire length: 325 mm)
C.EL29.20	Battery Ground (L-) Cable (black, 10 mm ² , wire length: 75 mm)
C.EL29.21	Starter Ground (L-) Cable (black, 10 mm ² , wire length: 175 mm)

ILLUSTRATIONS

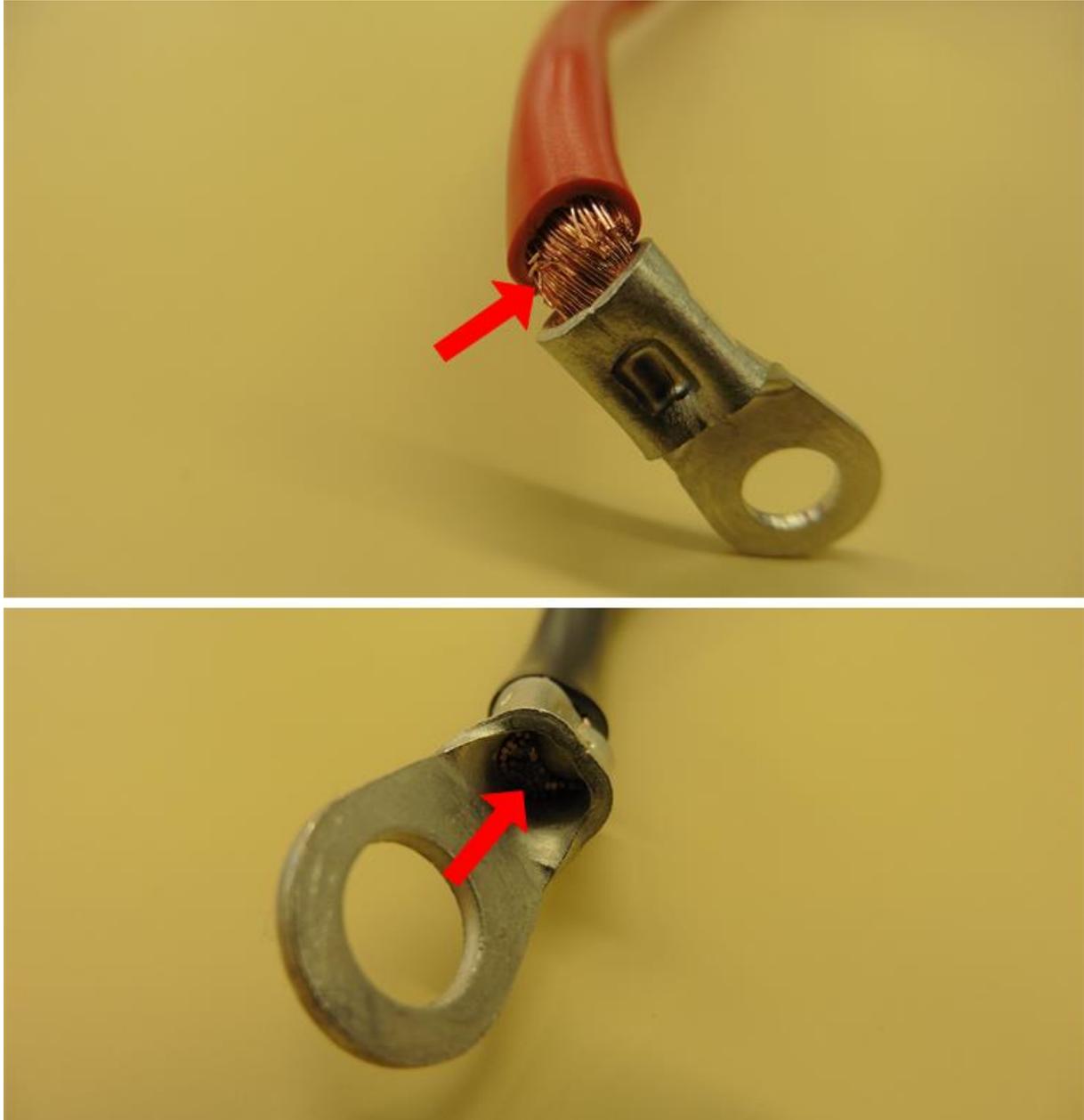


Fig. 1 – Inaccurate crimp connections