

AG-MI-2014-06-C-EN –Crimp Connection Relay Cable

Category **C**

EFFECTIVE DATE

09.12.2014

SUPERSEDES/REPLACES

N/A (initial issue)

APPLICABILITY

MTOsport serial numbers M01173 up to and including M01217 and MTOsport, which are retrofitted with main fuse attachment kit - retrofit kit (M.EL452 / after 07.08.2014)

COMPLIANCE

To be performed within the next maintenance event.

BACKGROUND

Within Quality checks an inaccurate crimp connection was found on the crimp connector joining the cable from the regulator relay to the fuse box

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

Inspect crimp connection and replace following cables if necessary:

- Main fuse carrier – relay (see Fig. 1)
- Relay – main fuse carrier (see Fig. 1)

AFFECTED AREAS

N/A

SPECIAL TOOLS & CONSUMABLE MATERIALS

PARTS

For parts please contact AutoGyro: airworthiness@auto-gyro.com

LABOR AND REQUIREMENTS

To inspect 0.1 h

To accomplish 0.1 h

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

SUPPORT POLICY

Parts f.o.c.

Contact & Info:
airworthiness@auto-gyro.com
www.auto-gyro.com

AutoGyro GmbH
Dornierstr. 14
31137 Hildesheim

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' or by the aircraft holder.

Secure gyroplane against unauthorized or unintended operation!

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

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

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 Inspect crimp connection of cables marked in Fig. 1 (Accord: Fig. 2 and 3)
- 2 If crimp connection is wrong, then:
- 3 Open main fuse box by removing cable ties
- 4 Disconnect affected cable(s) from fuse and relay, release affected cable(s) by removing cable ties, replace affected cable(s) by new part(s)
- 5 Assembly in reverse order

PARTS LIST

For parts please contact AutoGyro: airworthiness@auto-gyro.com

ILLUSTRATIONS

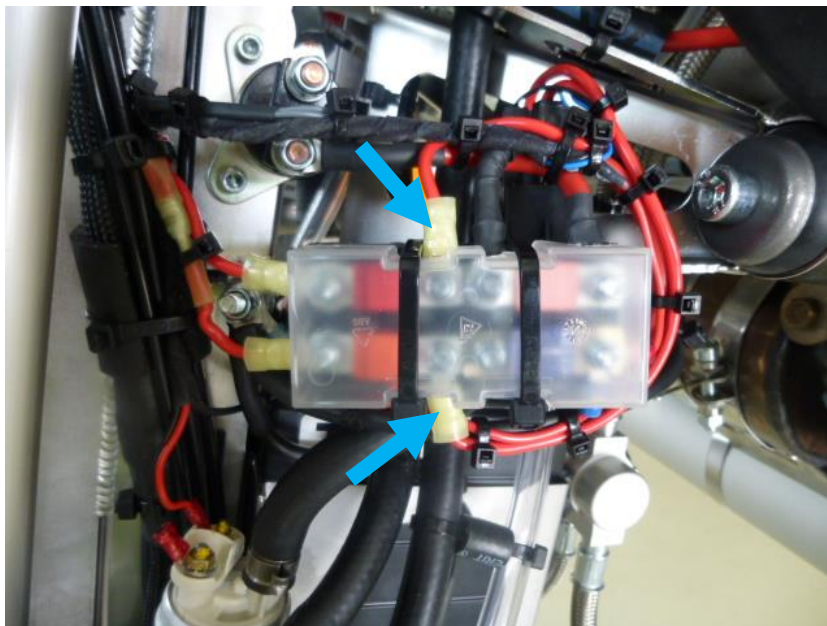


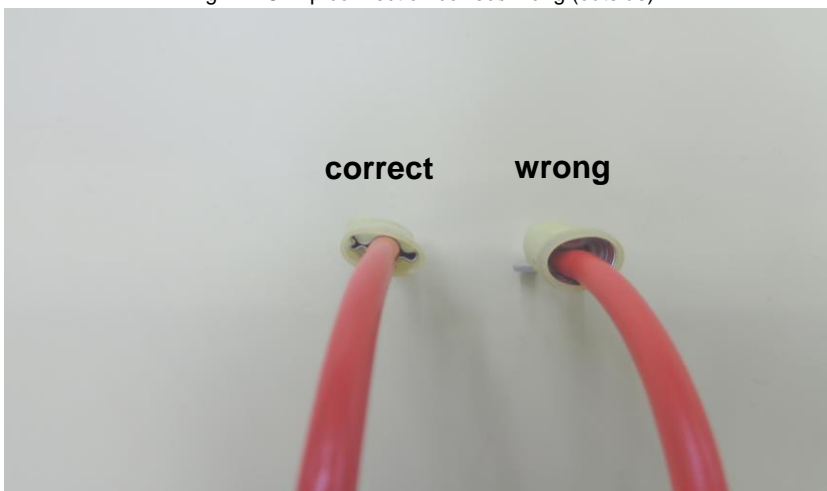
Fig. 1 – Main fuse carrier



correct

wrong

Fig. 2 – Crimp connection correct/wrong (outside)



correct

wrong

Fig. 3 – Crimp connection correct/wrong (inside)