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Service bulletin

No.: HPH 304TS – 03 a)

Type :

TC(s) no.: EASA.A.628
Model(s): HPH 304TS

Serial no(s): Action 1 - Up to and including 055-TS
Action 2 - Up to and including 055-TS

Subject :

Modification of starter power cables

Urgency:

Action 1 and Action 2

Within the next 20 flight hours or 90 days, whichever comes first.

Reason:

Action 1 - Limitation of unprotected length of starter power cables
Action 2 - Adjustment of connector terminal connection to ensure proper contact

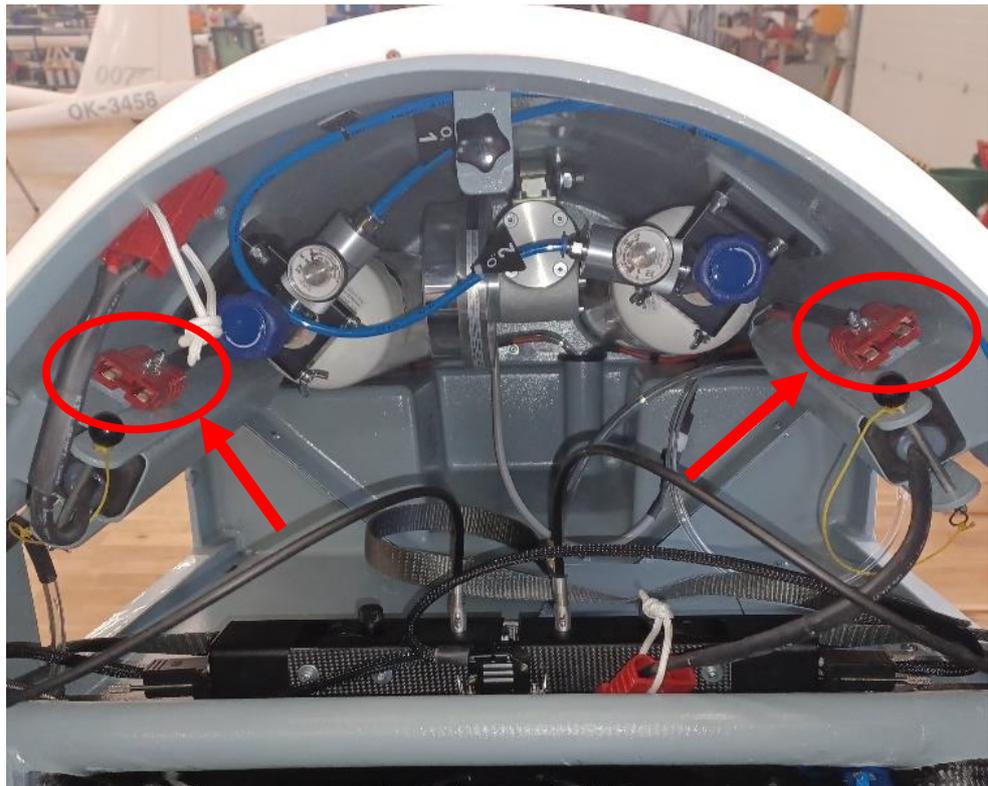


Fig. 1 – Starter battery connectors (in the luggage compartment area behind the wing stumps – aft of the rear pilot headrest).

Page 1/5

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Datum 11.12.2025
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Issued by
Jaroslav Potměšil

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Service bulletin

No.: HPH 304TS – 03 a)

Action 1:

Installation of 80A fuse boxes on + (positive) cables for both Li-Ion starter batteries (see Fig 1) according to configuration shown in drawing 304TS-82-98-00.

The battery holders are located in the luggage compartment behind the rear pilot's headrest, one on each side of the compartment (see Fig. 1). The fuse shall be located on the positive (red) cable leaving the minimum unprotected cable length of 20 - 50 mm- see Fig. 2) and assembly drawing 304TS-82-98-00.

Check if fuse boxes are present as shown in Fig. 2. If not, install the fuse boxes with 80A fuses as follows.

On new production planes from S/N 056-TS onwards, the fuses are installed during manufacturing.



Fig. 2 – Battery connector with fuse box indicated by green arrow.



Fig. 3 – Fuse box detail.

Page 2/5

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Service bulletin**No.: HPH 304TS – 03 a)****Action 1****Procedure**

- 1) Remove starter batteries from the holders. Store them securely.
- 2) Disconnect avionic power sources.
- 3) Check that both the main switch and engine main switch are off.
- 4) Demount the battery connector from the battery holder so that the connector end may be accessed freely
- 5) Cut the red cable leading to the "+" connector terminal ~35 - 55mm from the connector
- 6) Check the terminal dimensions to determine the extent of insulation to be stripped and the length of heat shrink tube needed
- 7) Strip the insulation and put the heat shrink tube on the cable end. Move the shrink tube so that it doesn't interfere during terminal attachment.
- 8) Attach the crimp-on terminal (terminal blade should be parallel to the flat side of the battery connector), secure the crimped end with heat shrink tube.
- 9) Test-fit the terminal into the fuse cover to determine the length to be cut from the other end of the red cable
- 10) Cut the free end of the red cable in position determined in previous step.
- 11) Strip insulation from the free end of the cable (extent should be identical to step 6).
- 12) Attach a ~25mm length of shrink tube to the free end of the cable
- 13) Attach the crimp-on terminal (blade should be parallel to the blade on the connector side), secure the crimped end with heat shrink tube.
- 14) Install both terminals and the 80A fuse into the fuse box according to the Fig 3 – align the fuse box base with the plane of the flat side of the connector, then attach first the terminals, then the fuse on the M5 studs and secure with M5 locking nuts provided with the fuse cover. Close the fuse box cover.
- 15) Install the battery connector back to its original place. The base of the fuse box sits on the battery holder but is not otherwise secured.
- 16) Check the system function.

Page 3/5

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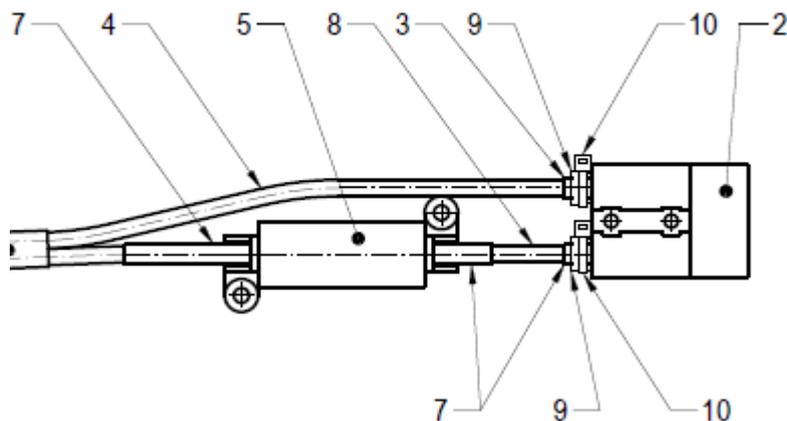
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Action 2

Check if inserts (see Fig. 4 pos. 9) are present. If not, proceed with modification of the connector terminal through the inserts to limit the cable movement and assuring proper terminal position.

Procedure

- 1) Open the 304S-82-90 insert and position its grooved end for the tie wrap away from the connector.
- 2) Close the insert, then secure it lightly with a tie wrap.
- 3) Slide the connector insert into the connector opening along the cable till the tie wrap touch the connector end. Fasten the tie wrap firmly and adjust its free end.
- 4) Attach 304S-82-90 connector inserts same way to all individual cables entering both connectors.



*Fig. 4 – Assembly of starter battery connector:
connector (2) with connector inserts 304S-82-90 (9);
secured by tie wraps (10); shrink tube – black (3) and red (7)*

