

# Service Letter

## SL-MD11-001

### 1 Technical Details

#### 1.A Aircrafts affected

Type: JS-MD Single  
Model: JS-MD 3 RES

#### 1.B Subject

LXNav offers an accessory to connect the RES system to the LX90xx flight computer which enables the display of RES information on the flight computer screen. This so-called JRES Bridge can cause communication instability within the RES system.

#### 1.C Reason

After thorough investigation, it has been discovered that the RES Bridge contains resistors. These resistors, along with the CANBUS termination resistor housed within the cockpit charge port blind plug, increase the resistance in the CANBUS system. This can potentially trigger error messages such as "No Communication" and result in the absence of data from critical components like RFU, Isometer, Battery A, and Battery B.

These errors can cause instability in the RES system and malfunction.

#### 1.D Actions

As a precautionary measure, we highly recommend disconnecting the RES bridge from the DCU before the next flight and informing Jonker Sailplanes Support desk once this has been completed.

Note: Disconnecting the bridge will only affect the display of RES information on the LX90xx flight computer; the RES system itself will remain fully operational.

A replacement RES bridge that does not contain these resistors and is safe to use is in the testing phase and can be supplied in the future on request.

##### 1.D.1 Disconnecting the LXNAV RES Bridge

To disconnect the LXNAV RES Bridge:

1. Remove the canopy and glareshield
2. Locate the bridge behind the instrument panel. (The small black box labeled "LXNav JRES" – refer to **Figure 1-1**)
3. Unscrew the plug connecting to the CANBUS side and the RS485 side of the bridge and remove it
4. Safely stow the plugs and reinstall the glareshield and canopy



**Figure 1-1: LXNAV JRES Bridge**

## **1.E References**

None

## **1.F Appendices**

None