

Service Call:

Communication with Sensors Lost on the Current Load Alert System (LAS)

Tools Required:

Reference Tech-tip 60 for Additional Information on the Standard Operation of the Load Alert System

Model(s):

Aerial Units with Load Alert System

Tech Tip Safety Rules



Danger

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

Do Not Perform Maintenance Unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

Step 1

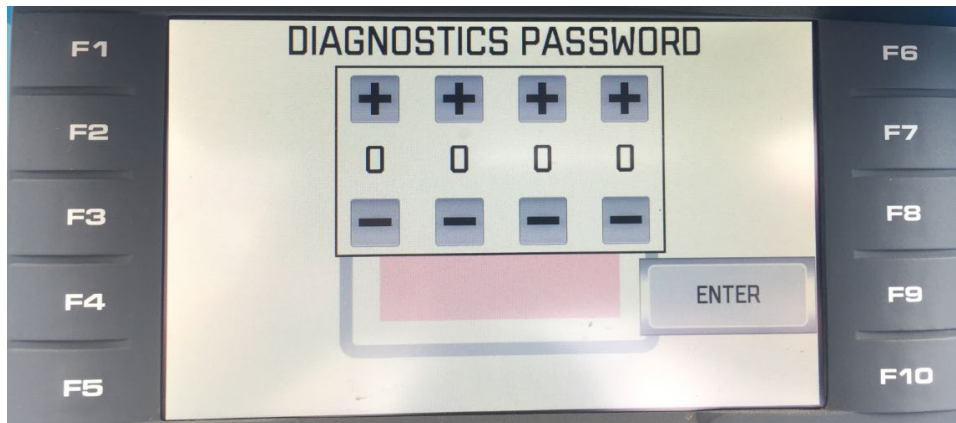
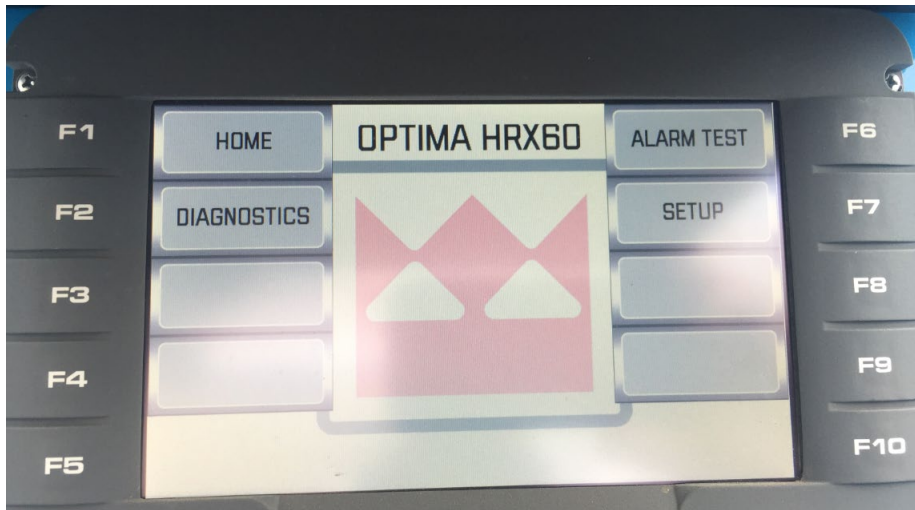
If the screen goes red and shows “Communication with Sensors Lost”, it must be determined which device has lost its connection.

To determine this, go to the *Can Network* screen by pushing the *Main Menu* button.



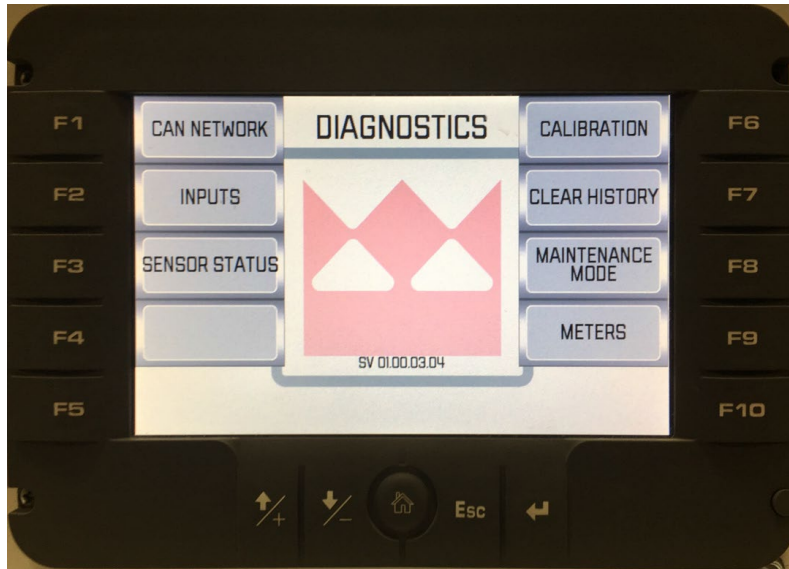
Step 2

Next select *Diagnostics* and enter in the password: 4321.



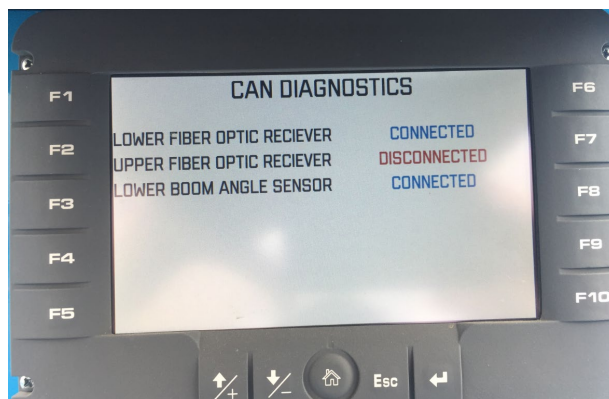
Step 3

Finally click on *Can Network*.



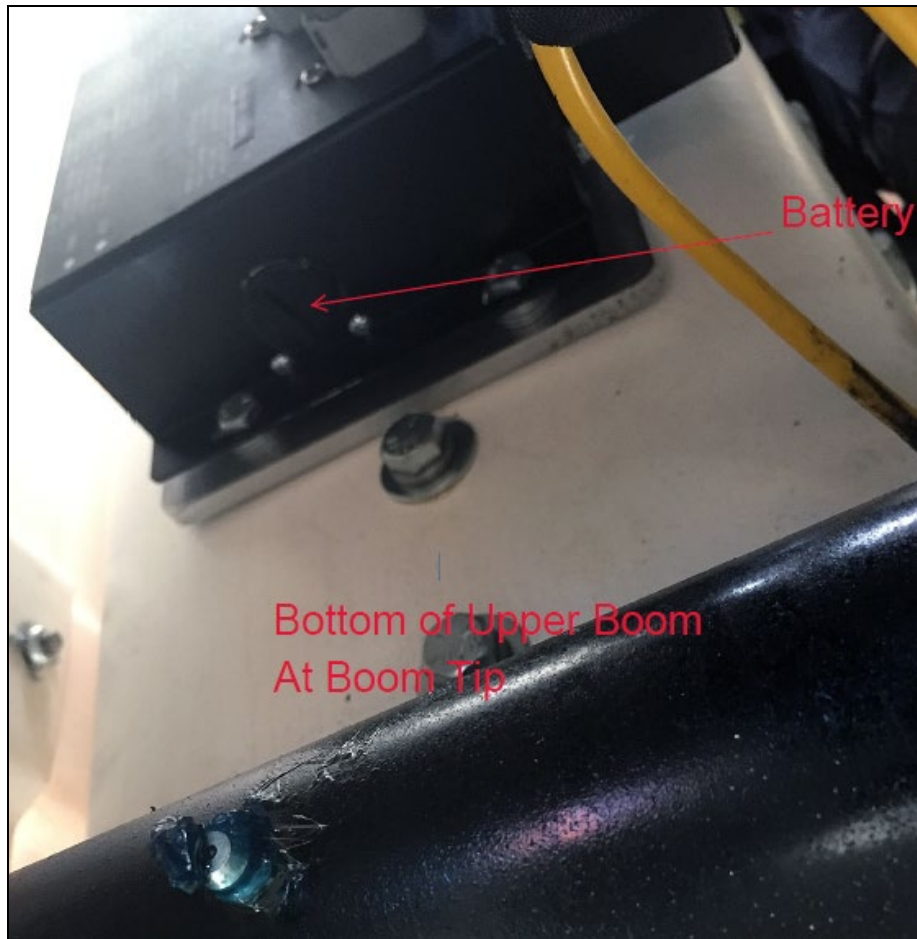
Step 4

If the *Upper Fiber Optic Receiver* is disconnected, shut the PTO off and start it again.



Step 5

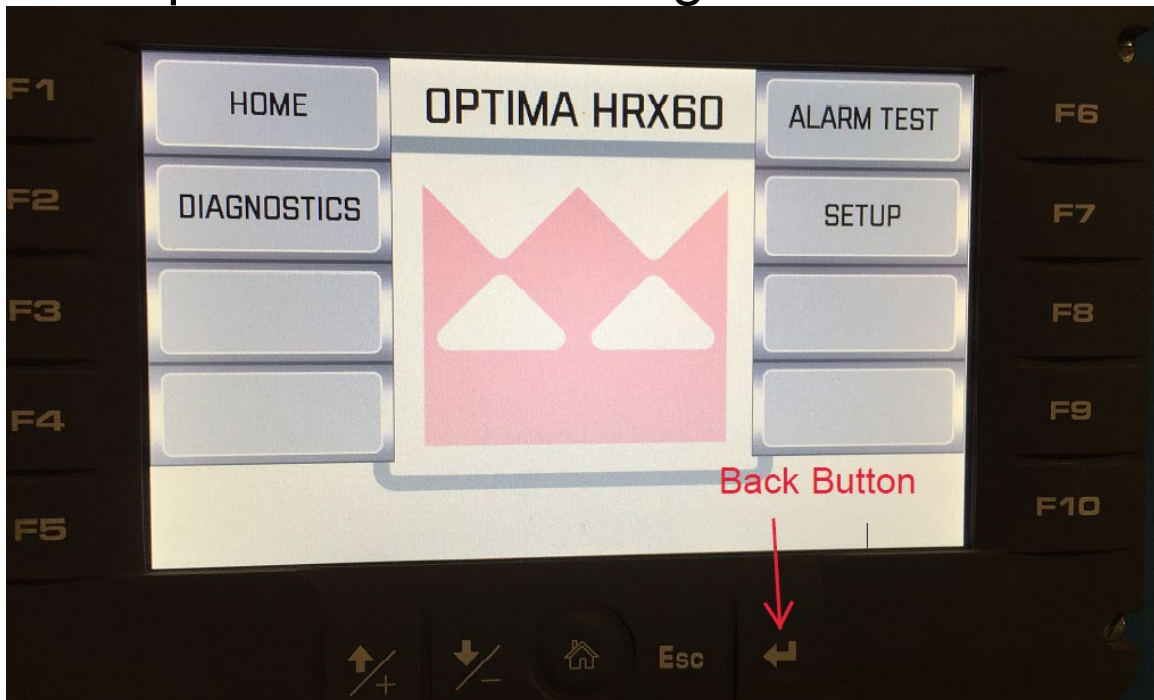
If this fixes the issue, then the upper fiber optic receiver battery may be low or bad.



Step 6

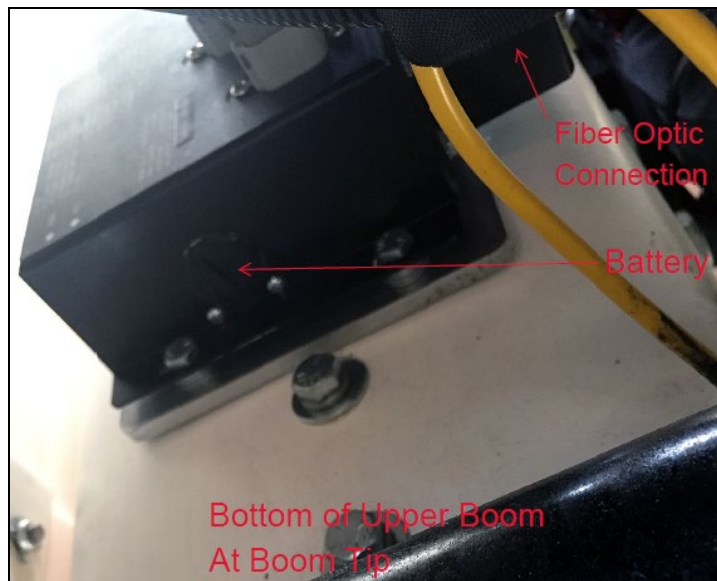
To test the battery, using the *Back* button, go back to the screen shown below and push and hold the alarm test button for 3-5 seconds.

If the connection is lost, it confirms a problem with the battery. Replace the battery as needed or leave the PTO switch on to charge the battery. A low battery will take up to 9 hours to charge.



Step 7

If restarting the PTO didn't clear the error, verify that the connections are tight at the upper and lower fiber optic receivers. One is located at the boom tip and the other is located on top of the lower controls behind the LAS monitor.



Step 8

Carefully remove the fiber optic connectors and clean both the module end and the cable ends at both receivers. Use the cleaning tool recommended for this cable. Part number is 625558.



- Do not touch the ends of the fiber optic connector or let anything touch the fiber ends
- Only clean the ends of the fibers with the proper cleaning tool
- The fiber optic connectors should be slightly tighter than hand tight.

Step 9

If the connection issue still exists and the battery has been replaced, the issue is with the lower fiber optic receiver, upper fiber optic receiver, or the fiber optic cable.

The only way to test these is to replace the components and try the system. There is no way to test the components without installing them.