

Installation of the NL2 GPS speedometer conversion system

by Nautic Laugic



*On a 2008 Sanger DXII
with rear speedometer*

Tools required

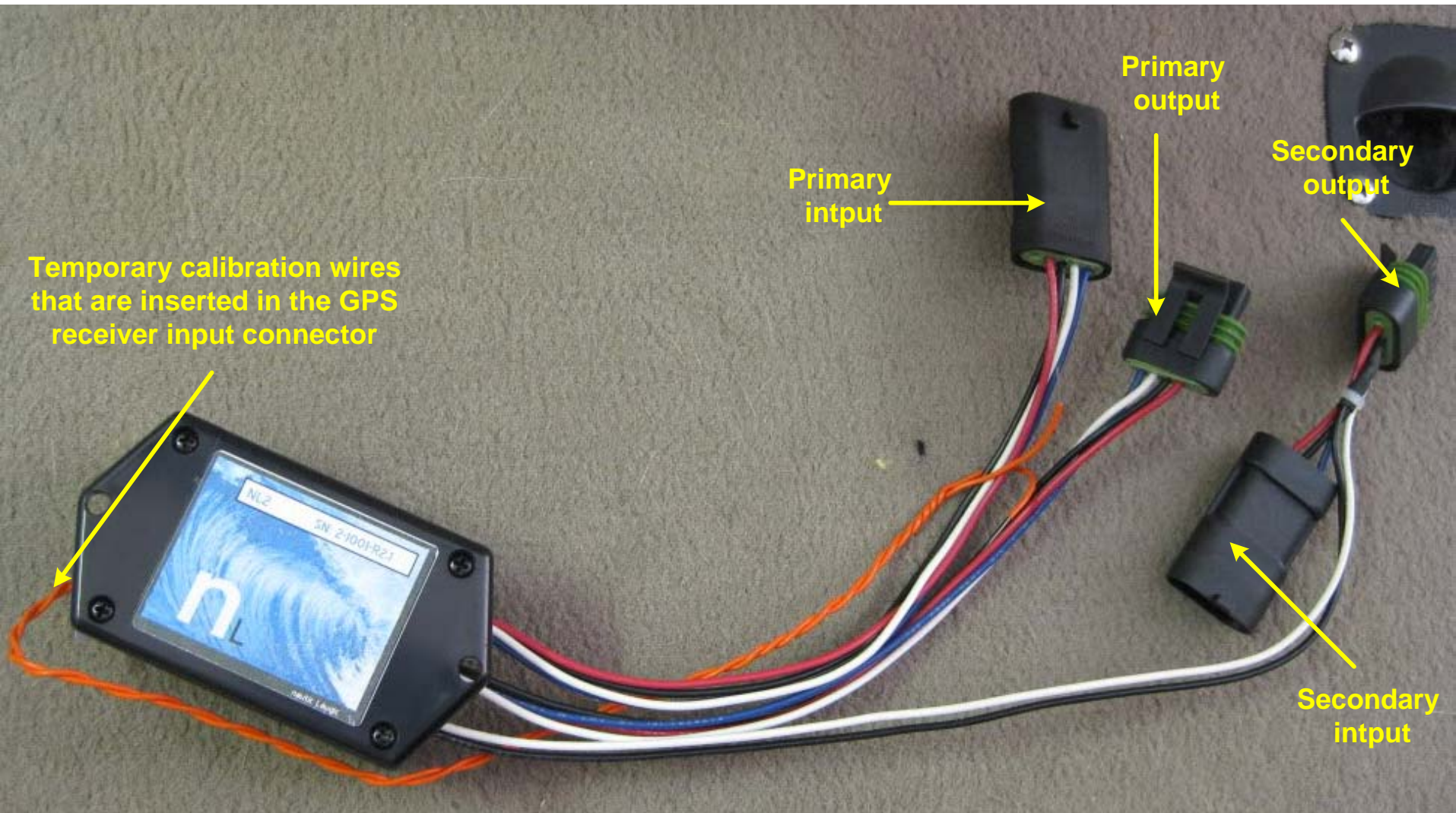
- Small pair of cutters
- Double sided tape (recommend 3M brand)
- Cable ties
- Adhesive cable tie-down posts (*optional*)
- *4 Splices (butt splice or female quick connect)**
- *Crimper**

** Required only if equipped with rear speedometer.*

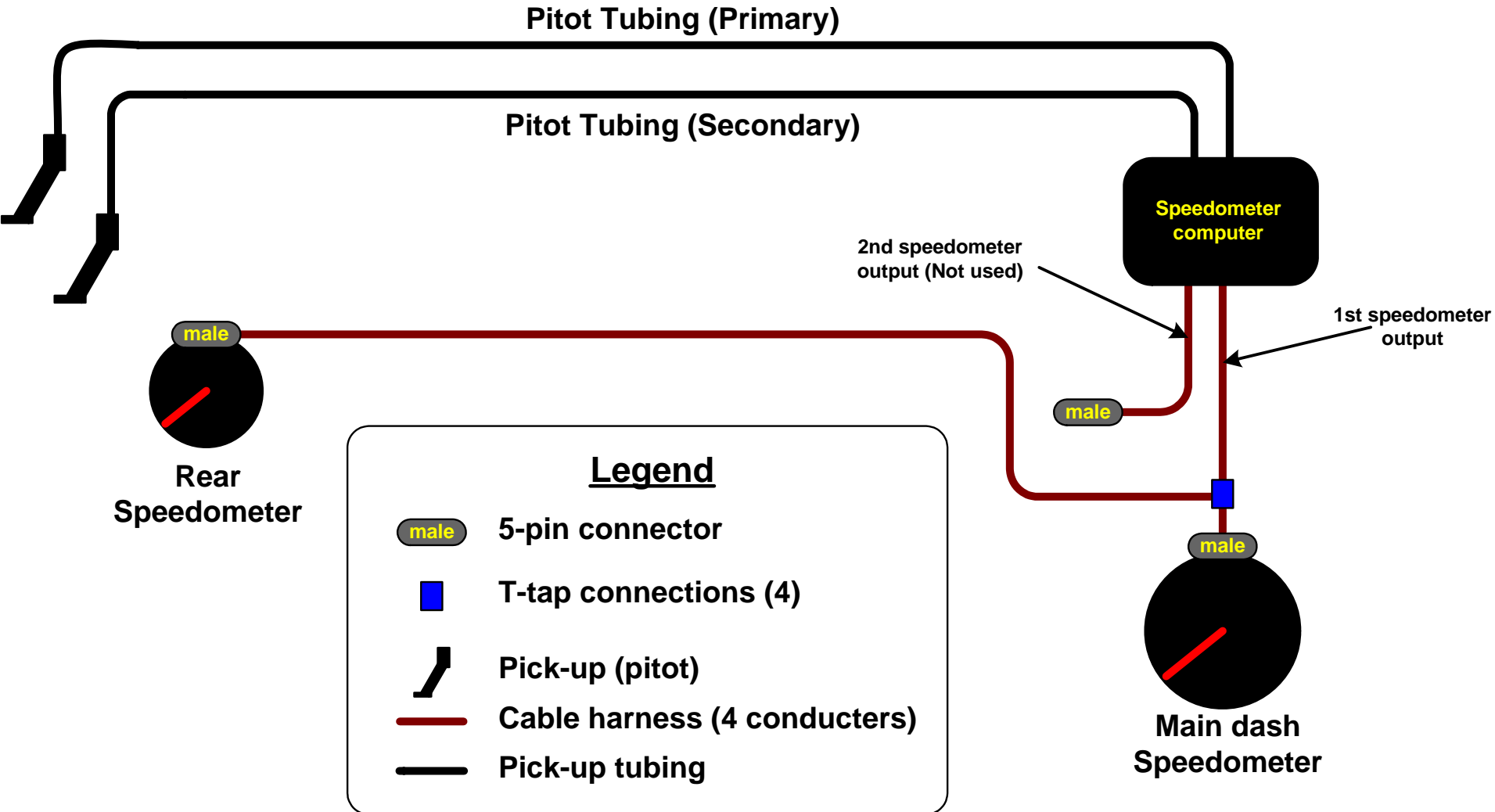
8-Step Installation overview

1. Disconnect original speedometer connector(s) from speedometer gage(s)
2. Connect original speedometer connector(s) to NL2 input(s)
3. Connect NL2 output(s) to speedometer gage(s)
4. Calibrate NL2 (one time only, no GPS required)
5. Mount the NL2
6. Mount the GPS receiver
7. Connect GPS receiver to the NL2's GPS input
8. Secure cabling with cable ties

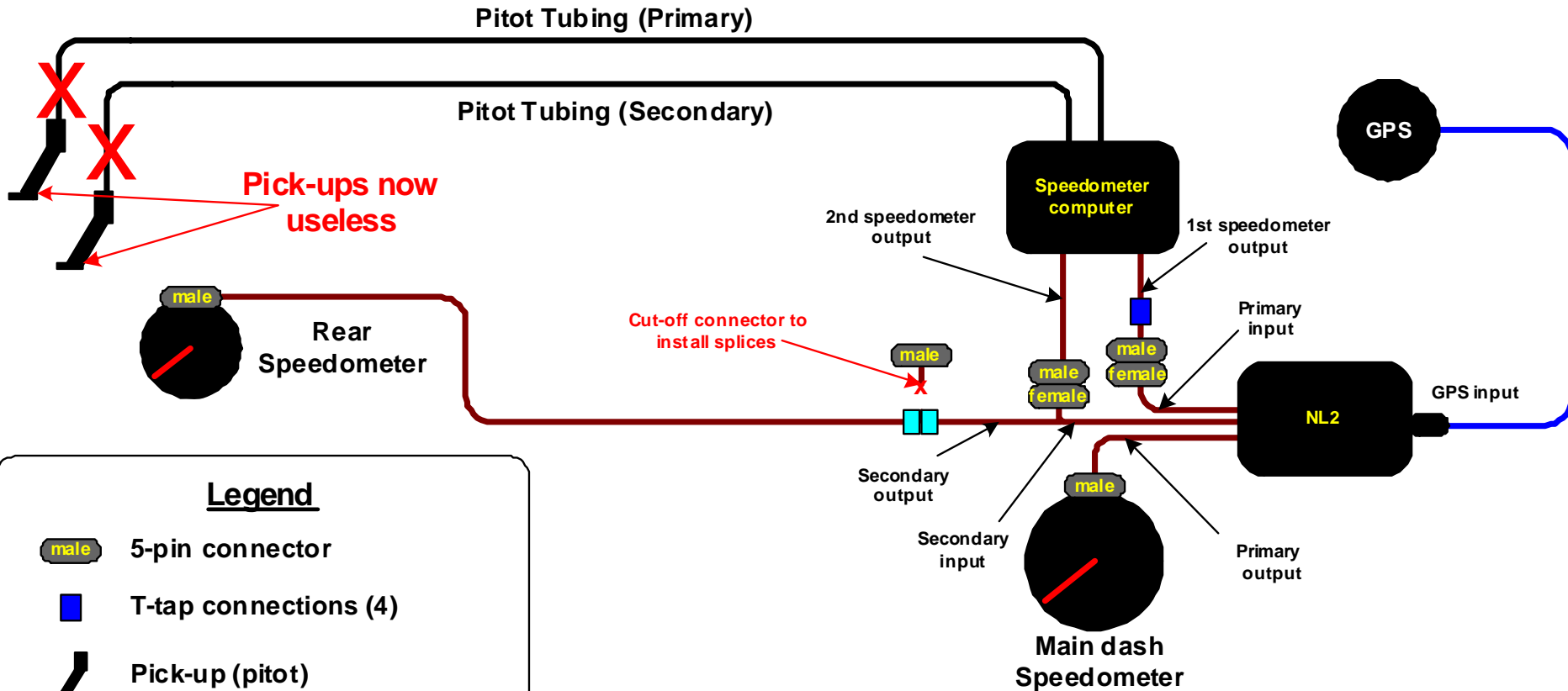
The NL2 connector details











Factory set-up - Before NL2



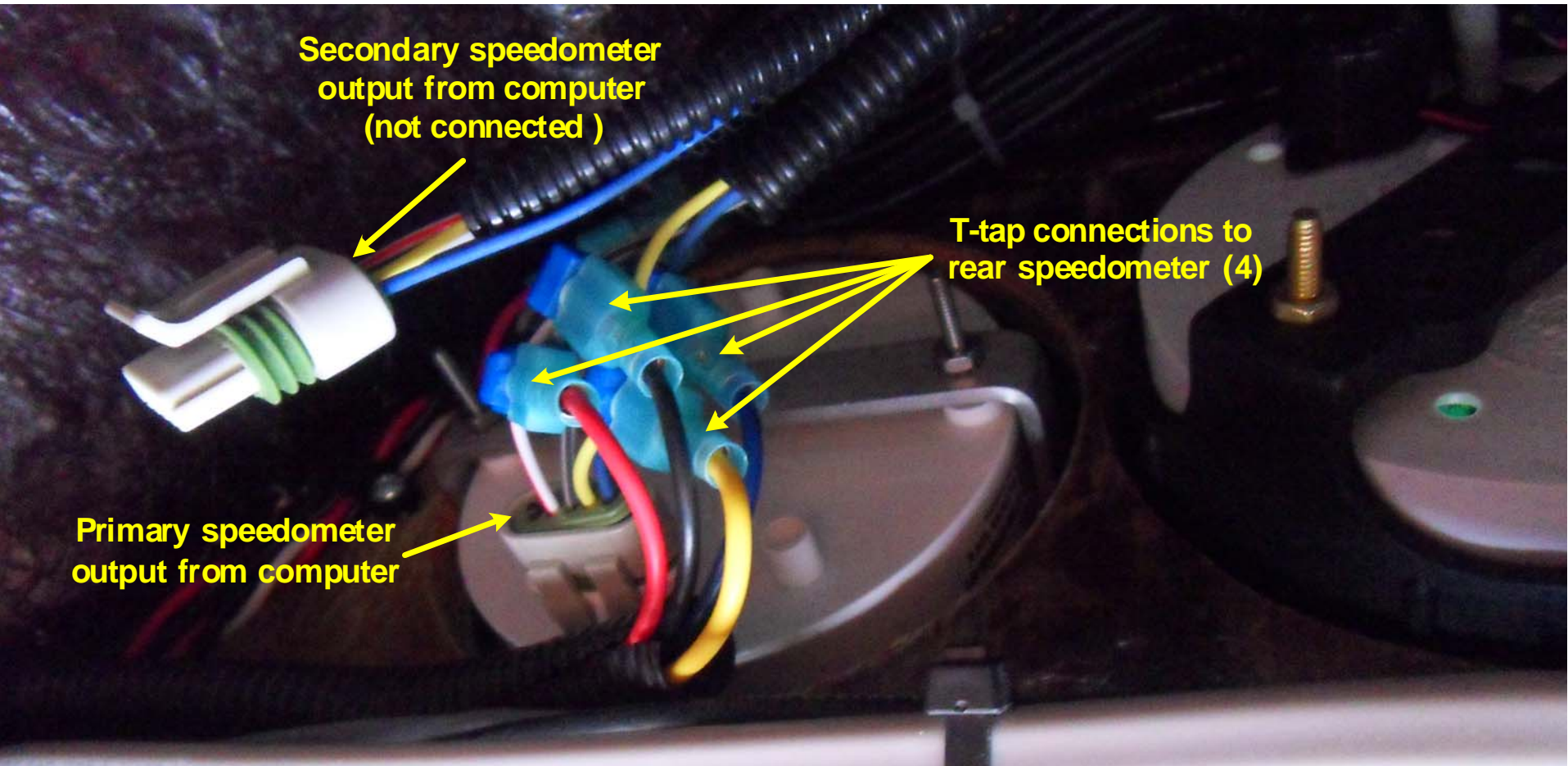
New set-up - with NL2



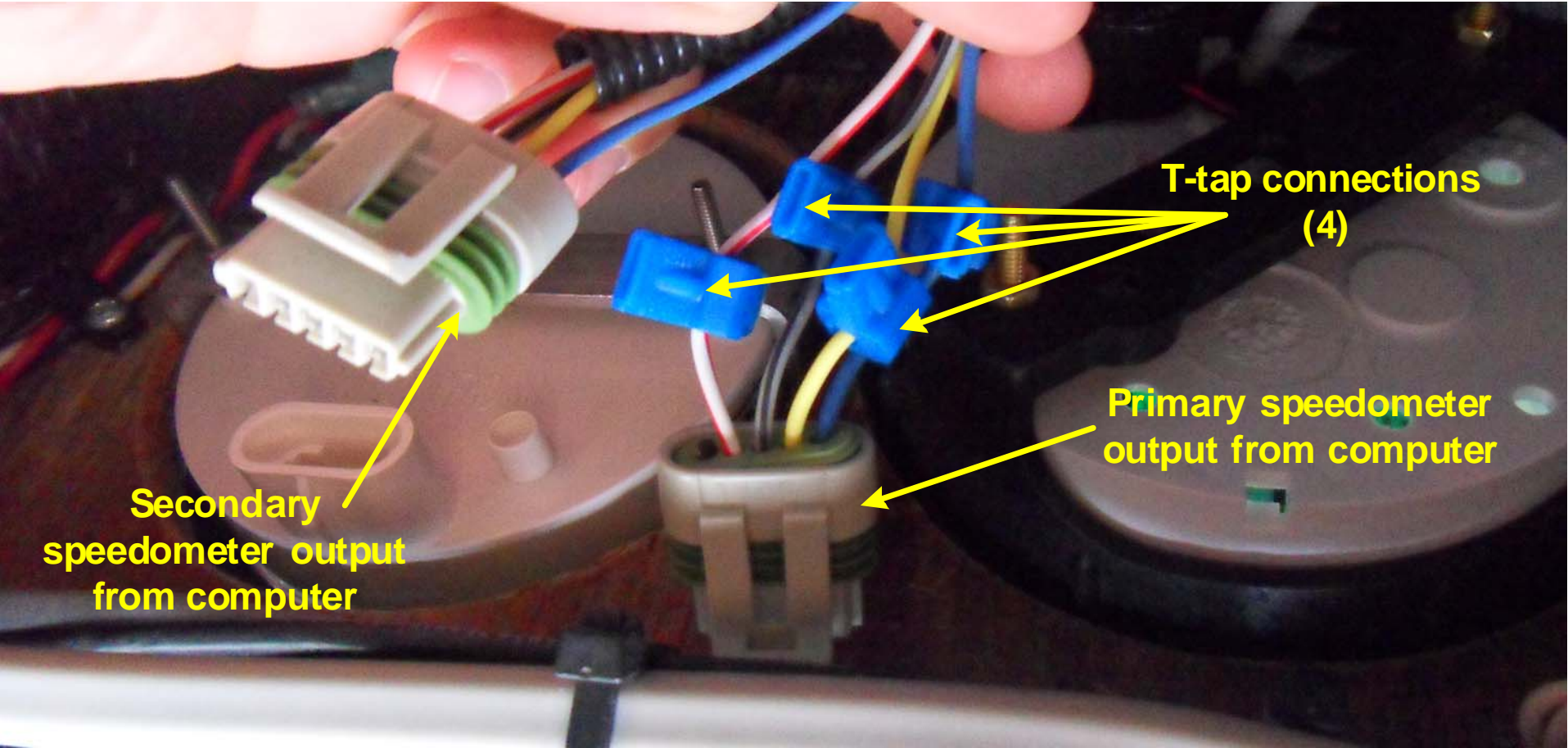
Legend

-  male 5-pin connector
-  T-tap connections (4)
-  Pick-up (pitot)
-  Cable harness (4 conductors)
-  Pick-up tubing
-  GPS cable
-  GPS connector (round)
-  Splice connections (4)

Step 1A: Identify the original speedometer connections



Step 1B: Disconnect the original speedometer connections

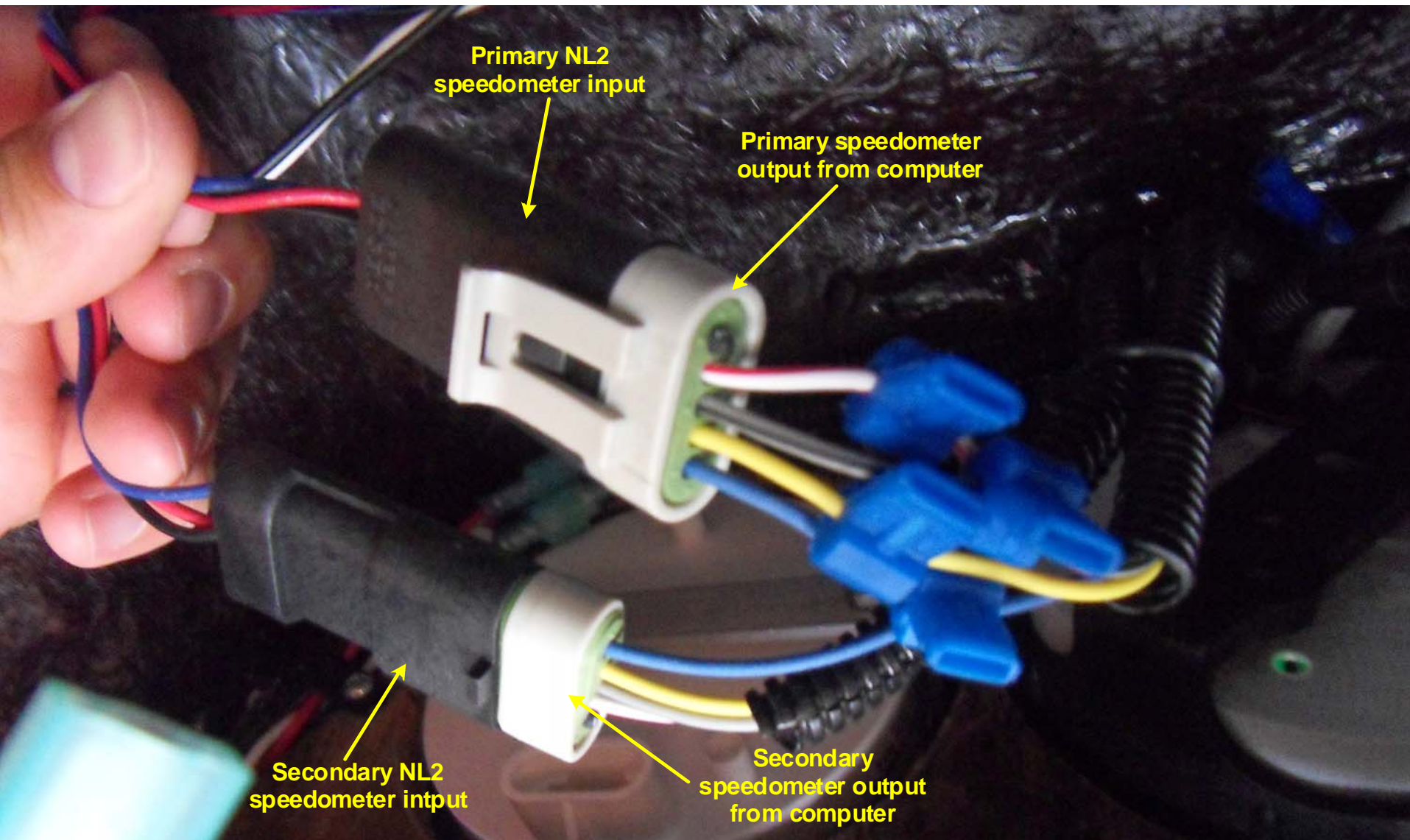


Secondary speedometer output from computer

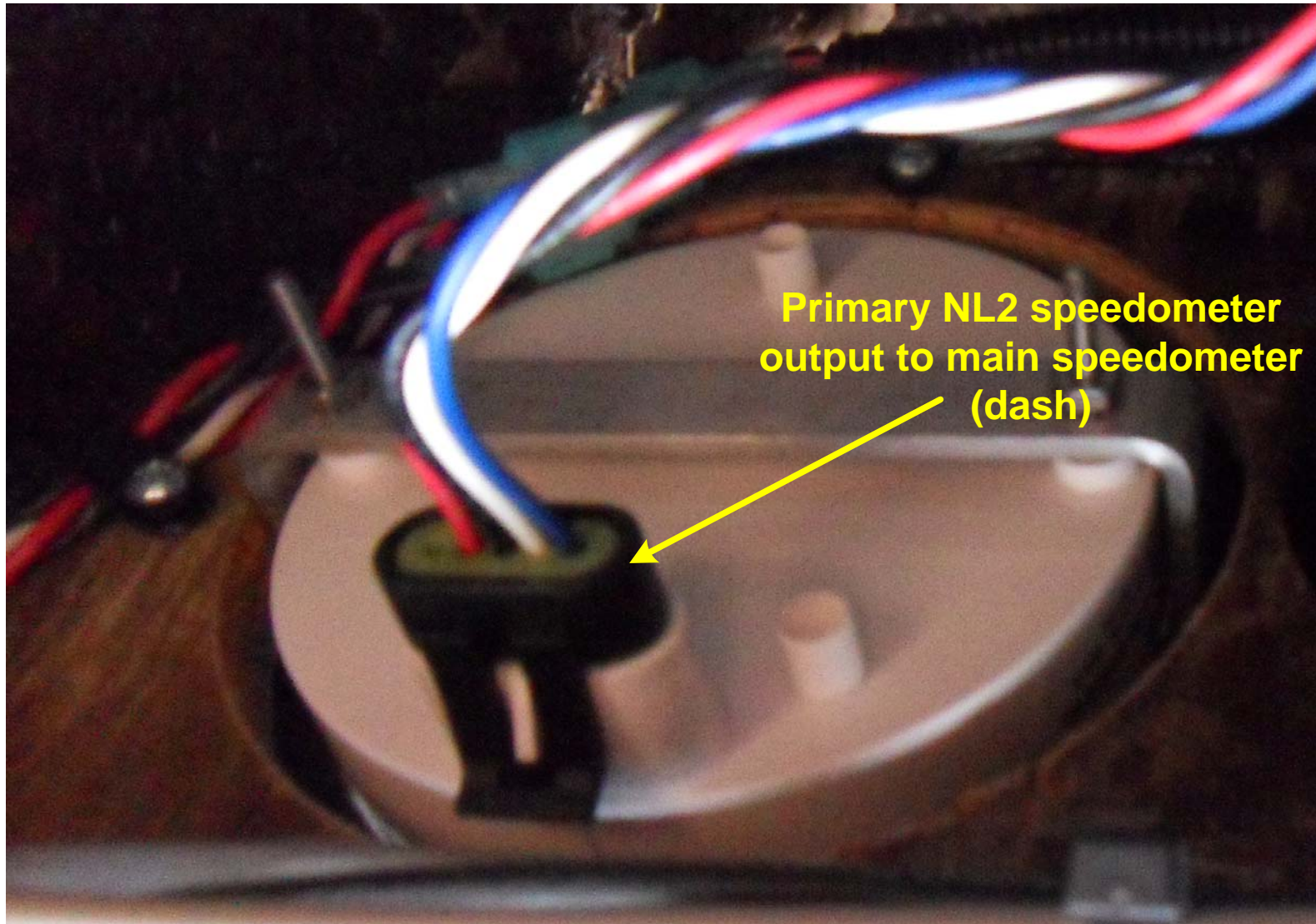
T-tap connections (4)

Primary speedometer output from computer

Step 2: Connect the original speedometer connector(s) to the NL2 input(s)

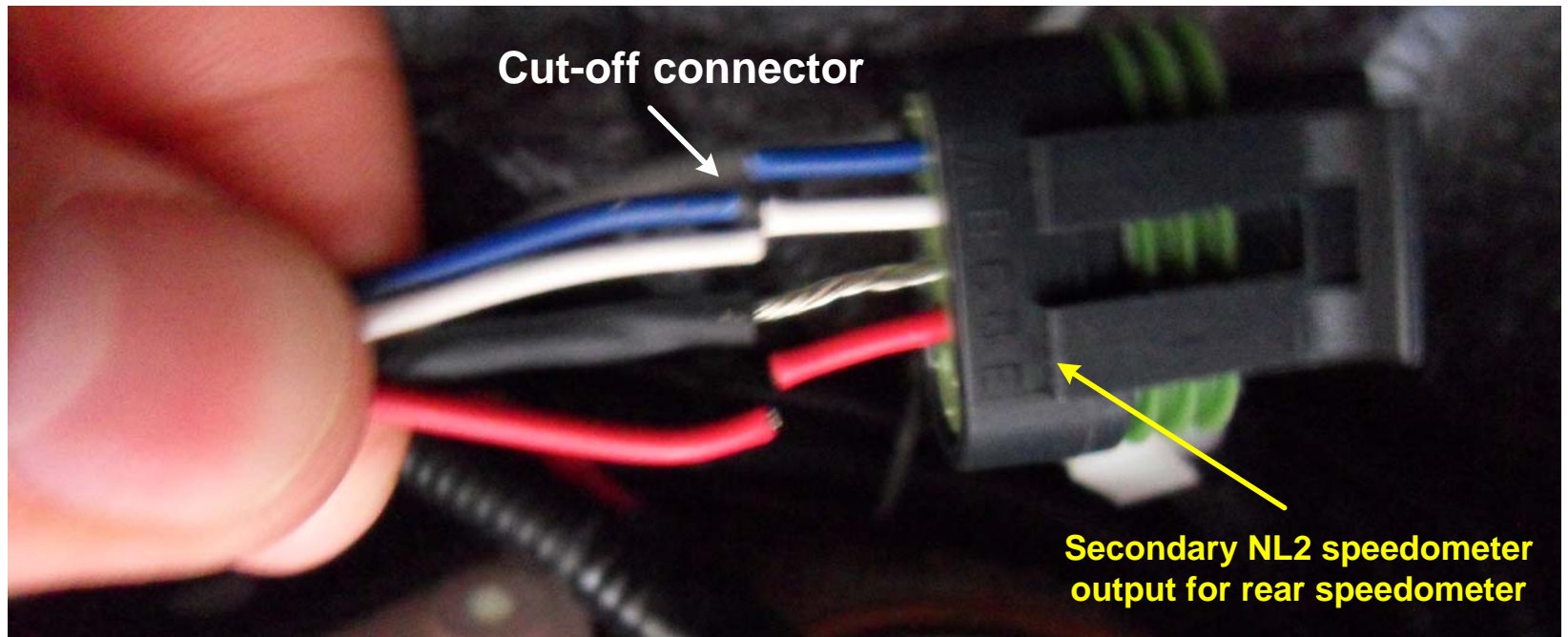


Step 3A: Connect the NL2 output(s) to the speedometer(s) – Main (dash)

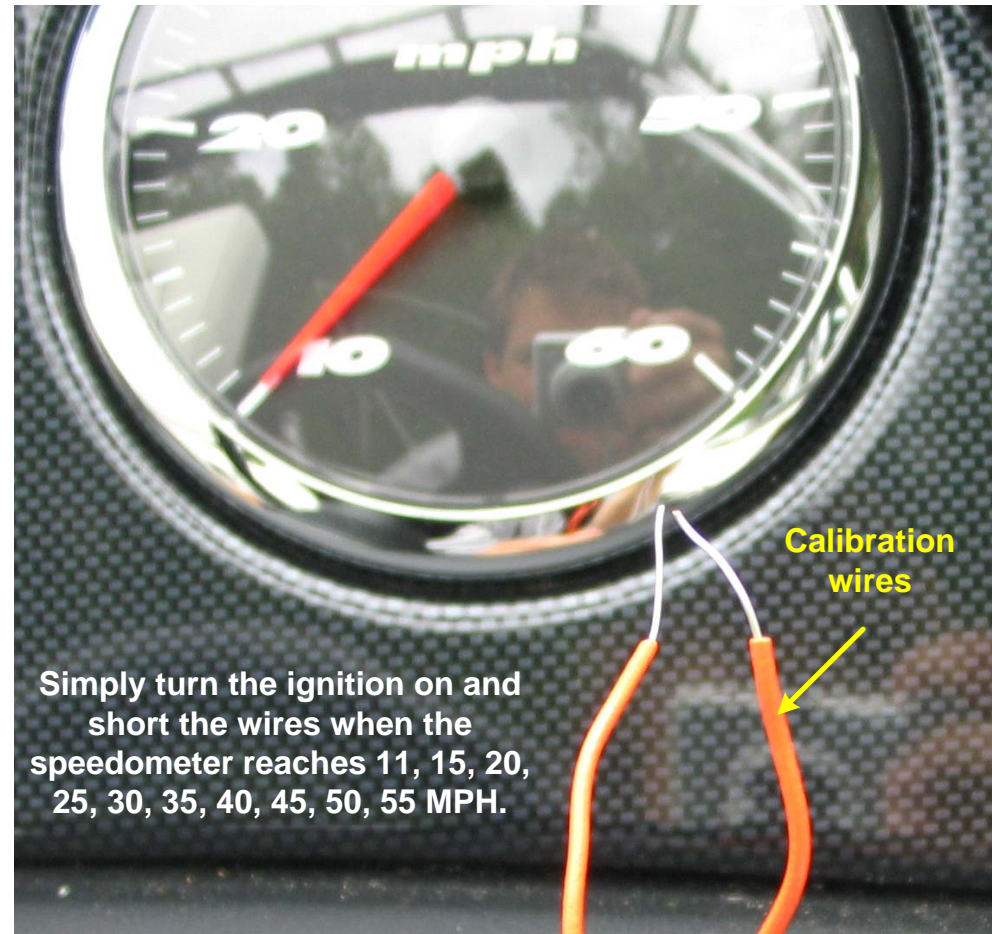


**Primary NL2 speedometer
output to main speedometer
(dash)**

Step 3B: Connect the NL2 output(s) to the speedometer(s) – Secondary (rear)



Step 4: Calibrate the NL2 (one time, no GPS required)



Here is a link to a video of the calibration process :

<http://www.youtube.com/watch?v=xh1nG10i7X0>

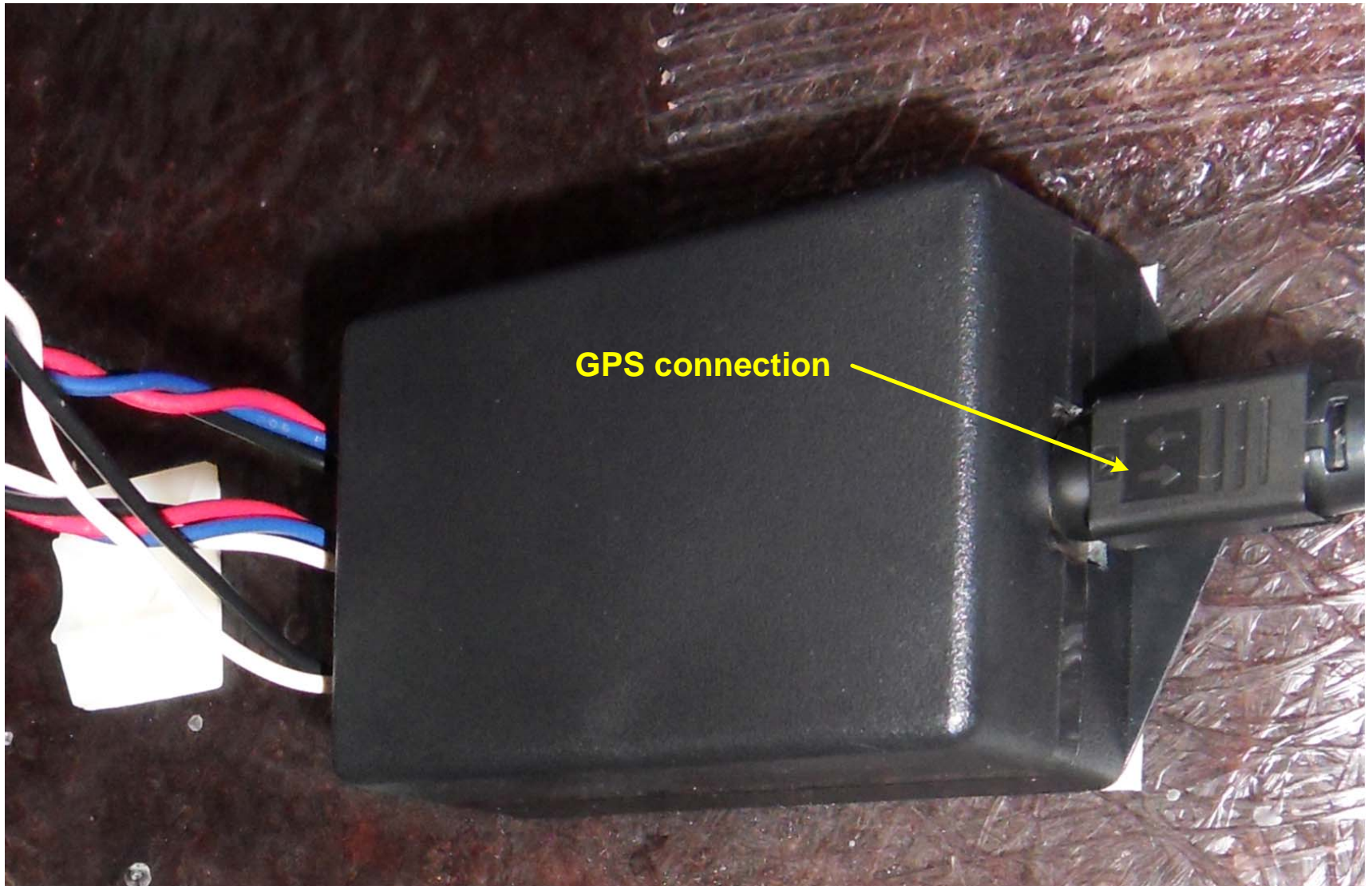
(Internet connection required- Ctrl+click or paste address in browser)

Step 5 & 6: Mount the NL2 and GPS receiver

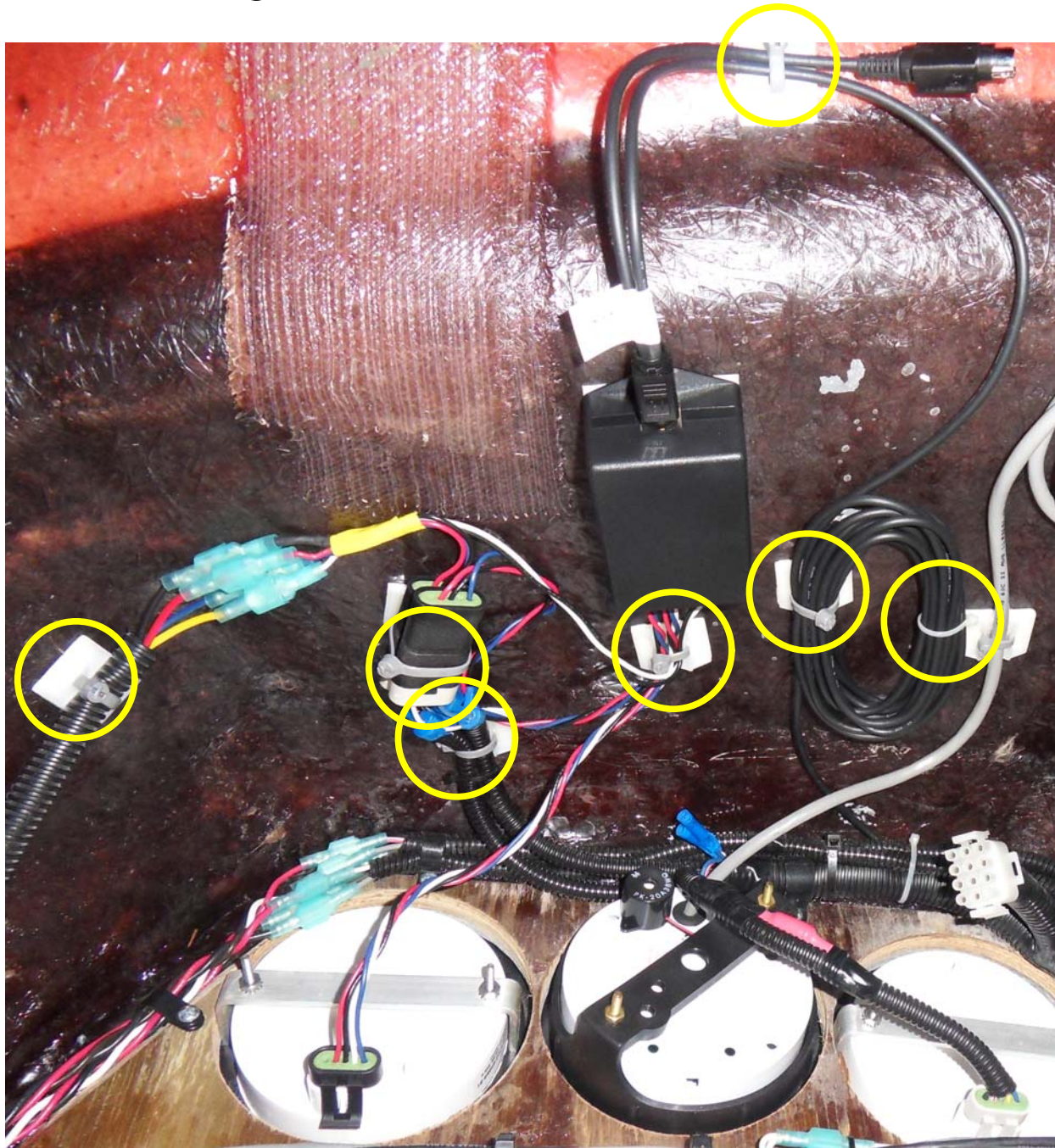


I suggest using 3M brand double sided tape, but both NL2 and GPS receiver can be screwed in place. *(Only GPS screw included)*

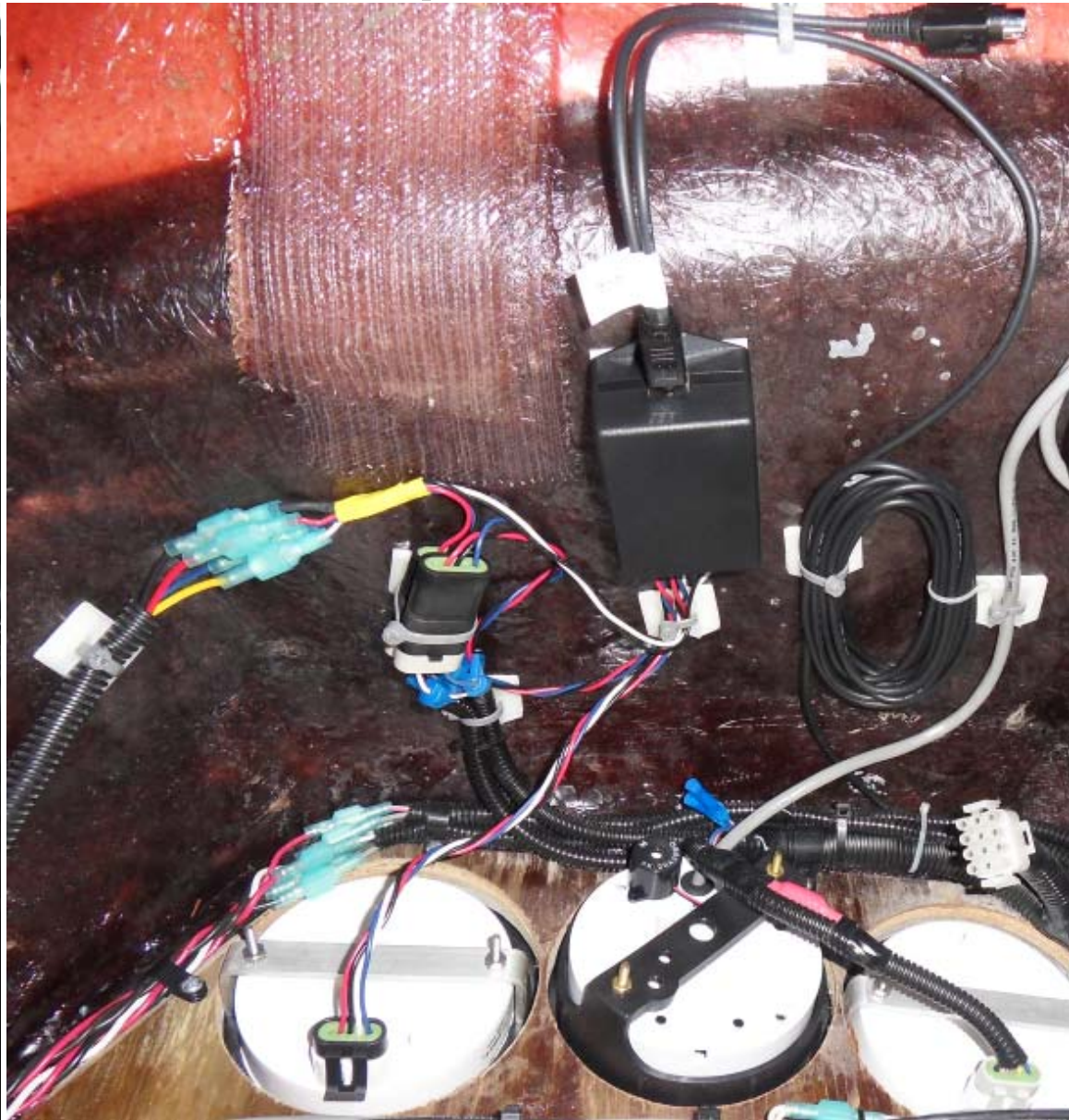
Step 7: Connect GPS receiver to the NL2's GPS input



Step 8: Secure cabling with cable ties and adhesive tie-down posts



The final set-up...



Visit <http://www.nauticlaugic.com> for more info.