

EZ-GO DCS CART TROUBLESHOOTING

With FX503 Controller Conversion



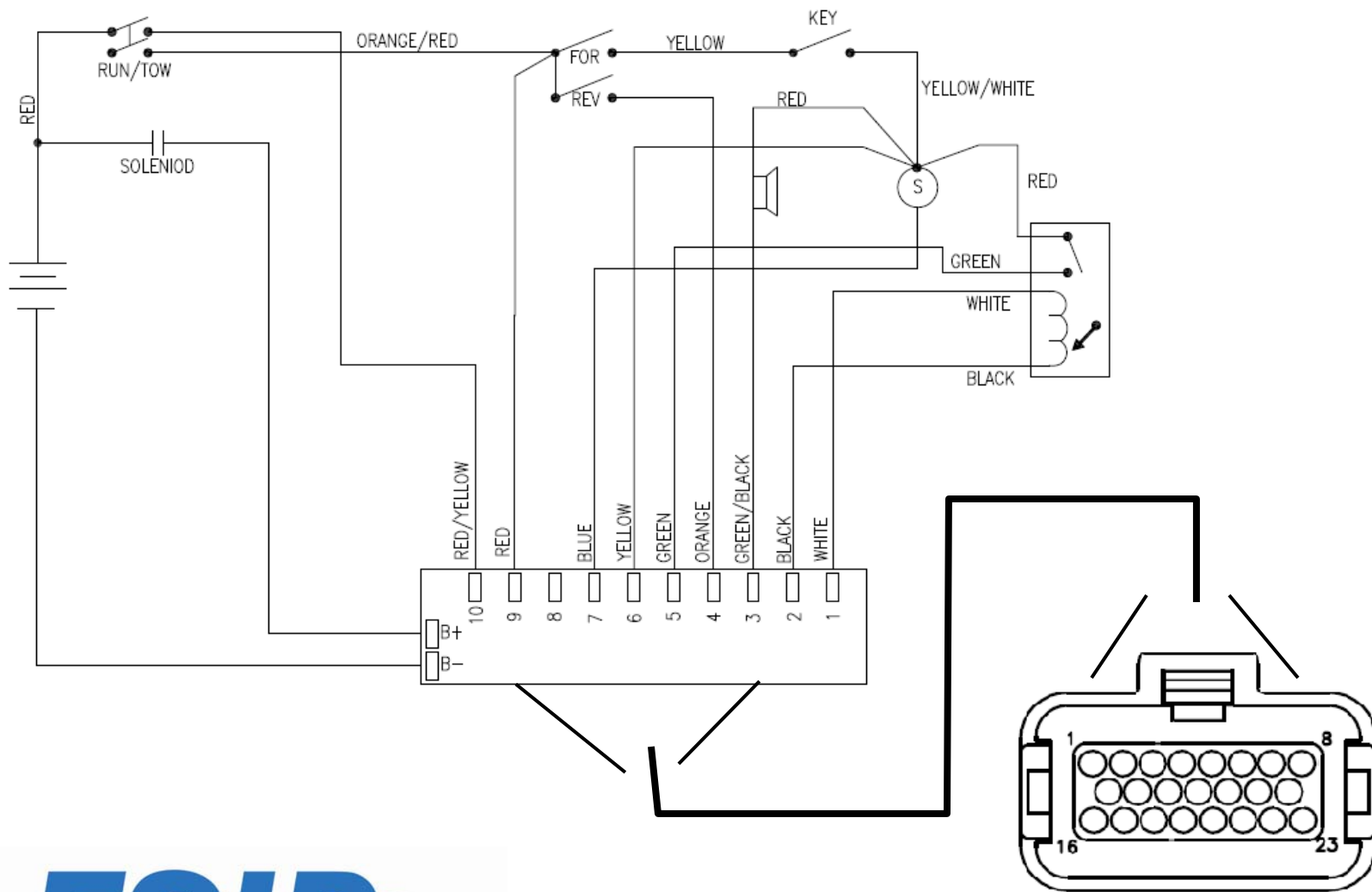
NOTE:

Please use the forward (▶) and back (◀) buttons to navigate.



Begin





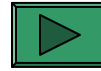
GENERAL WIRING DIAGRAM

Next



TECHNICAL ASSISTANCE

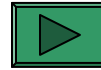
Solenoid Does Not Close



Solenoid Closes But No Travel



Vehicle Travels in reverse when in forward direction, and in forward when in reverse direction.



**PRIOR TO CONTINUED TROUBLESHOOTING THE
FOLLOWING STEPS MUST BE TAKEN**

1. POSITION THE CART ON LEVEL GROUND AND BLOCK FRONT TIRES TO PREVENT VEHICLE FROM ROLLING.
2. ELEVATE THE DRIVE TIRES FROM THE GROUND.

My vehicle is safely lifted
from the ground.



1. Tow/Run switch in the “Run” position.
2. Key switch in the “ON” position.
3. Forward/Reverse selector in “Forward” direction.
4. Place Foot pedal switch in fully accelerated position.







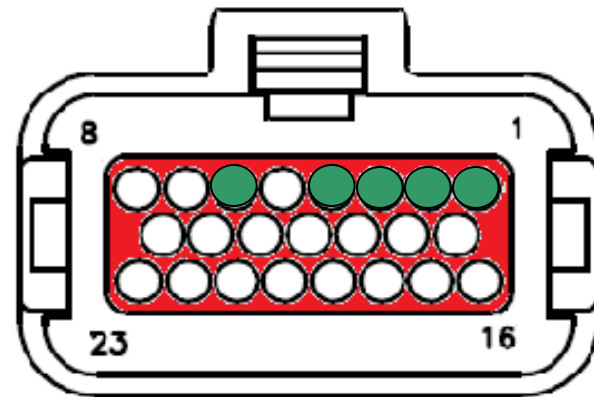
OK



Using a digital voltmeter with the Black Lead on battery negative, battery positive should be measured on the following pins of the FX503 controllers 23-pin wiring harness.

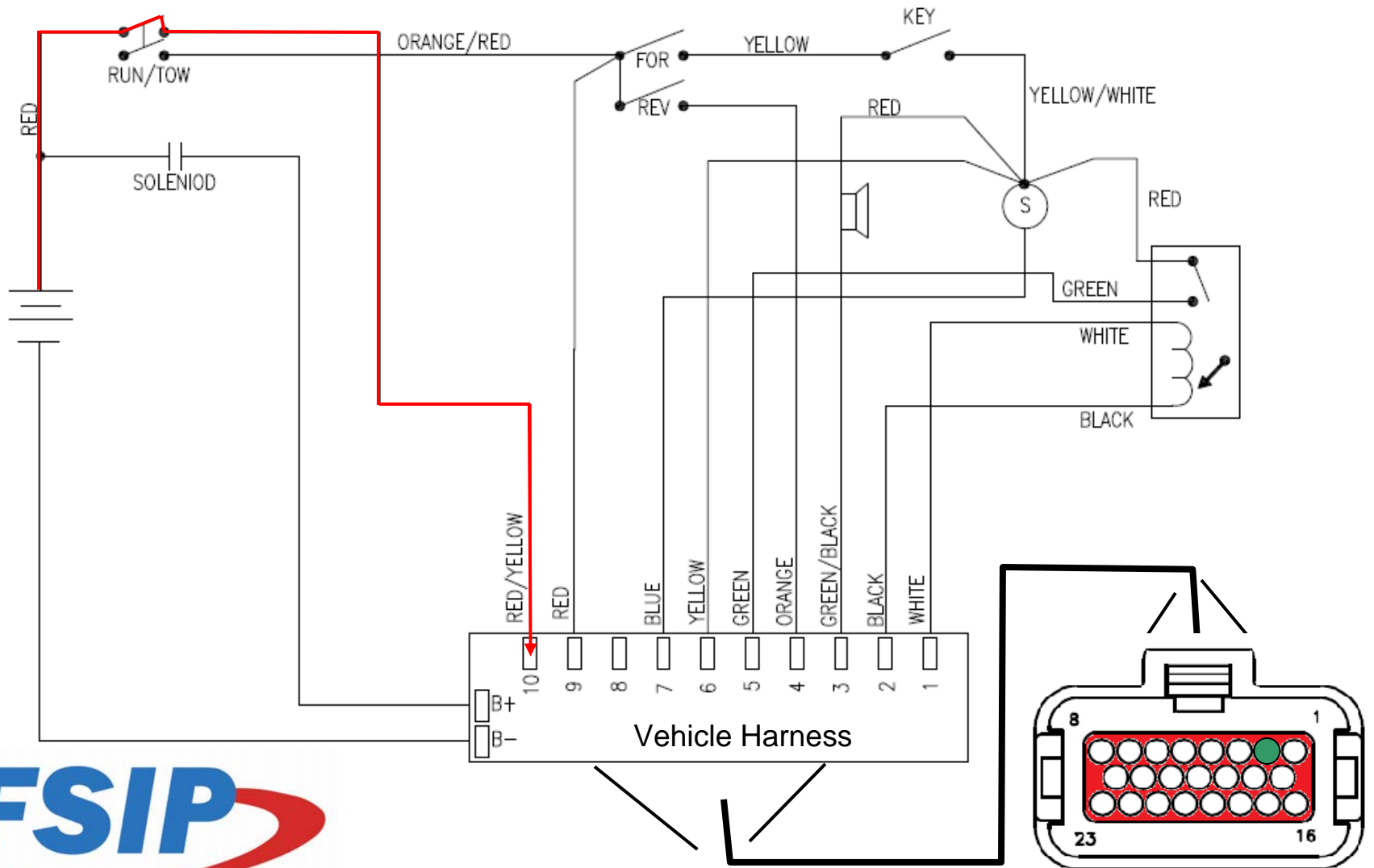
If battery positive is not measured click the arrow of the corresponding wire.

- PIN 2 
- PIN 1 
- PIN 4 and 6 
- PIN 3 



All of these wires measure battery positive. 

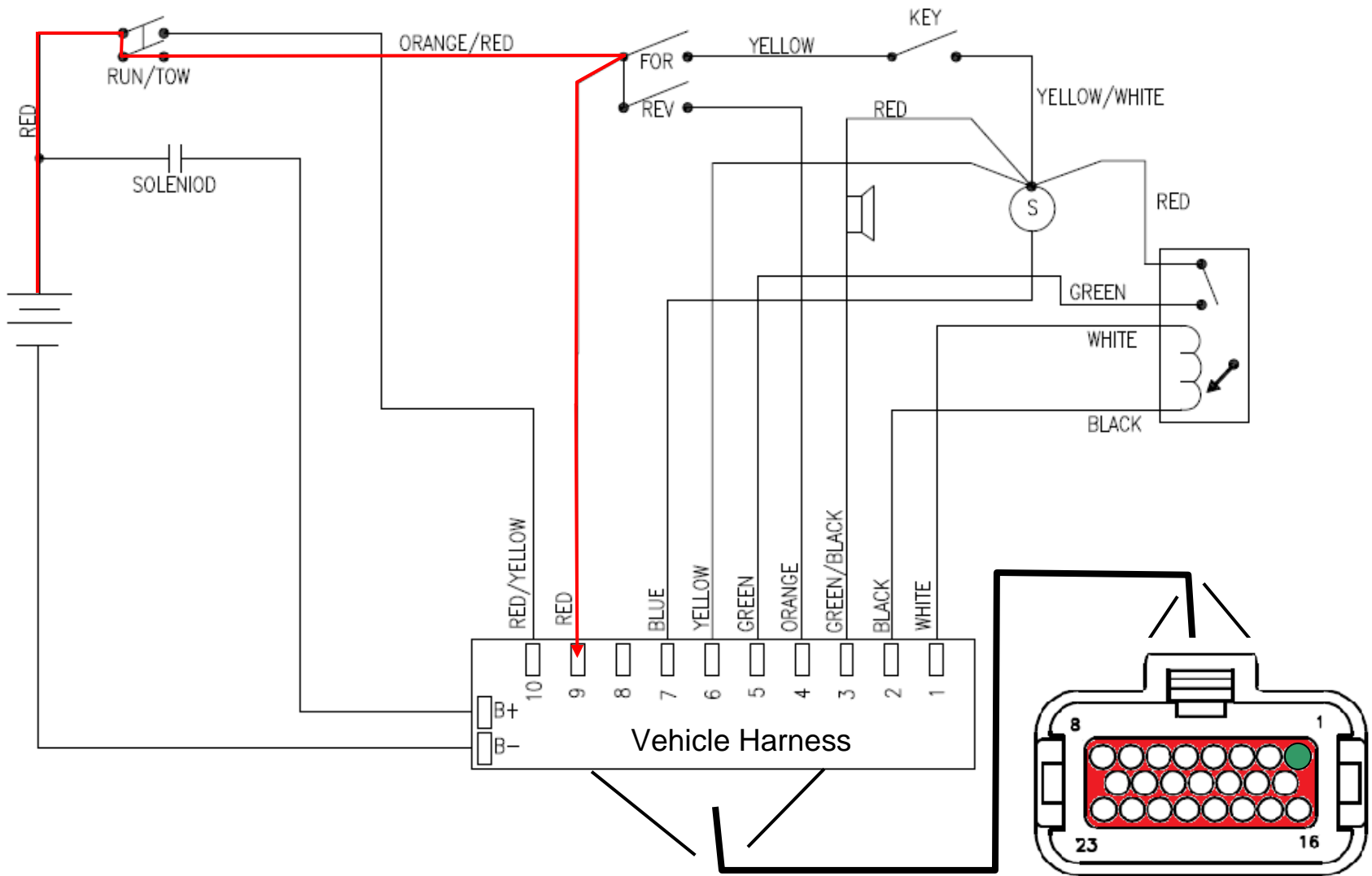




Pin 2 is supplied through your Run/Tow switch, verify this connection.

Back

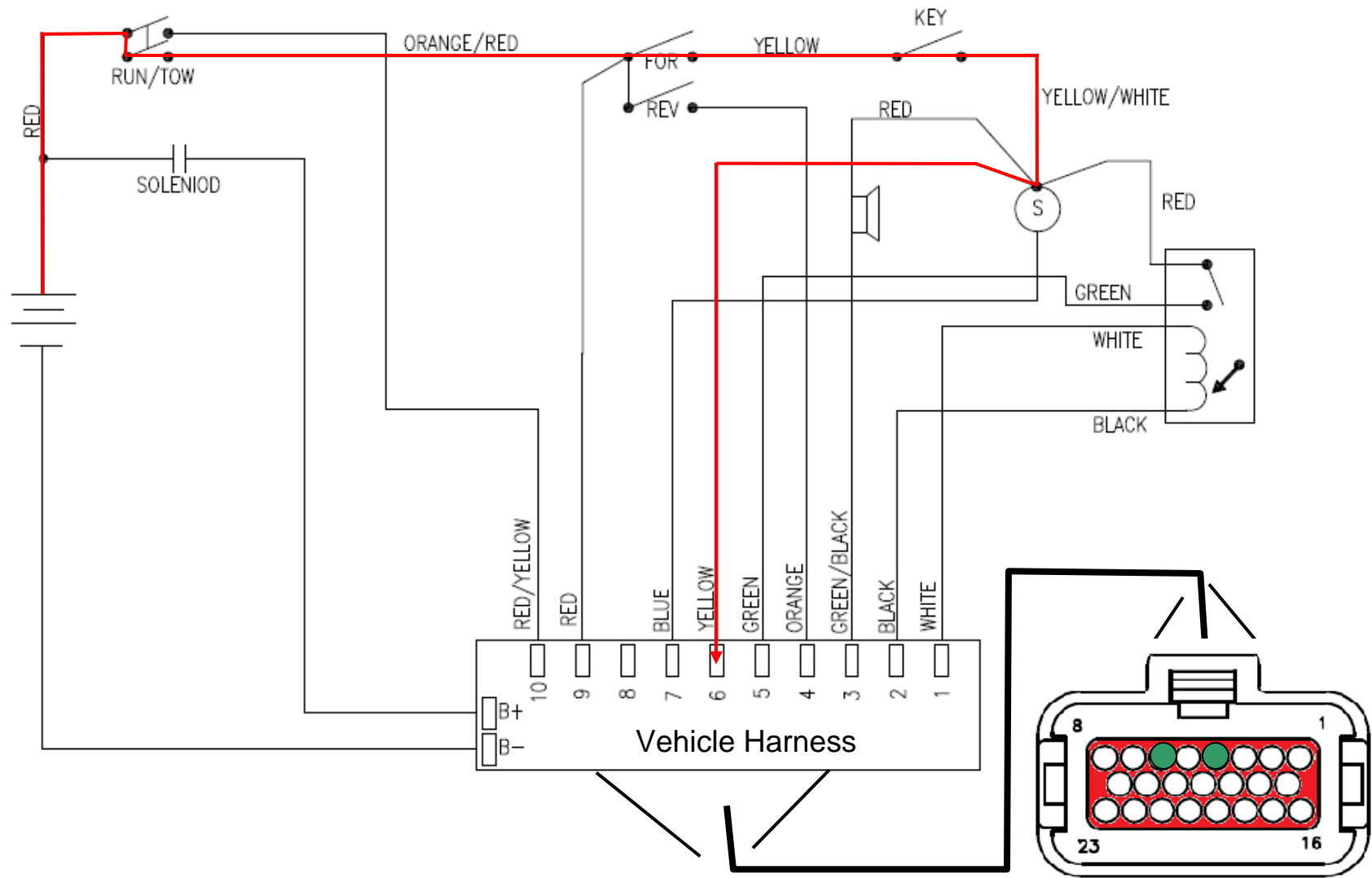




Pin 1 is supplied from the Red wire on your For/Rev switch, verify this connection.

Back

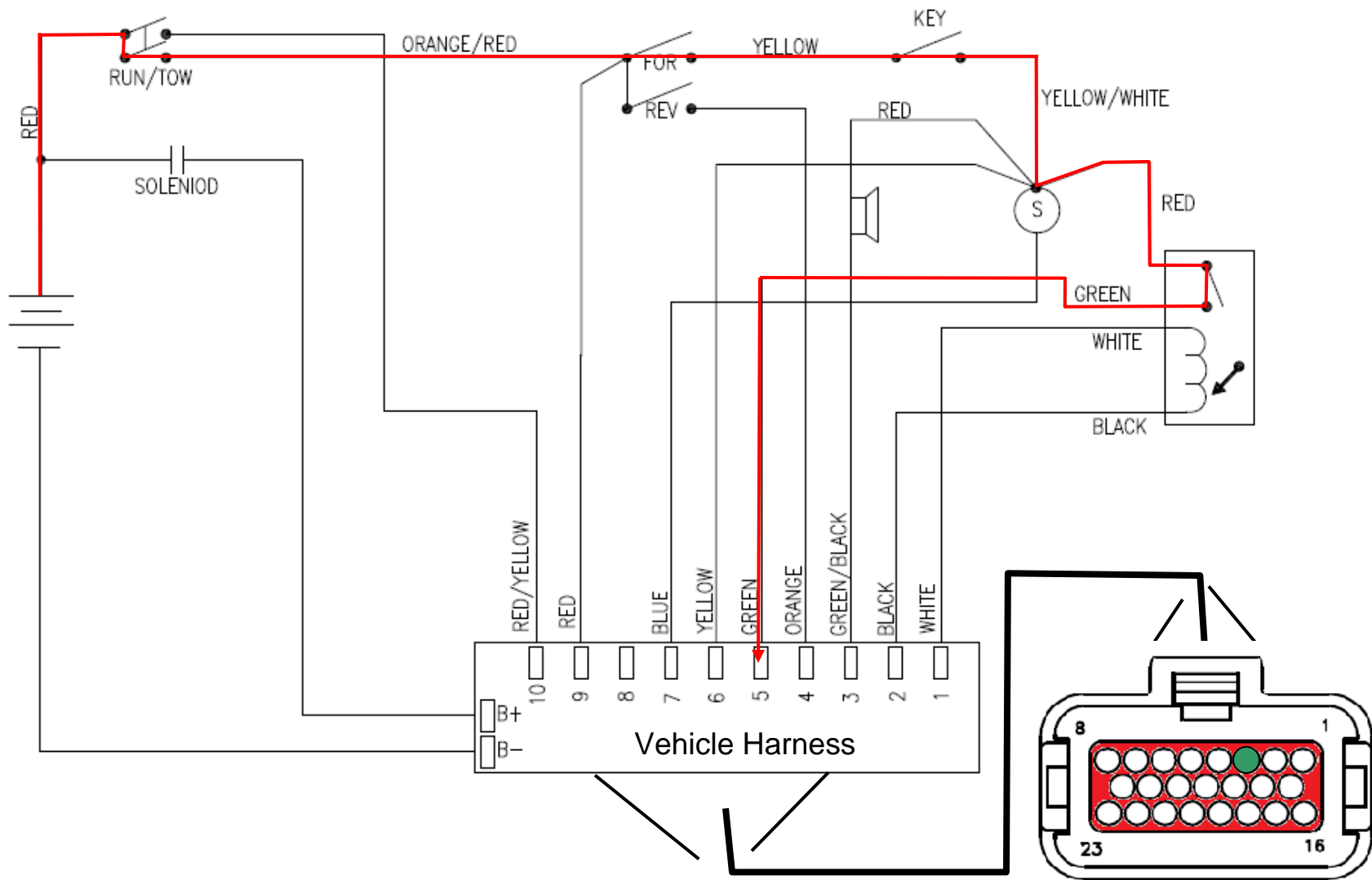




Pins 4 and 6 are supplied from the Yellow wire on your Solenoid Coil, verify this connection.

Back

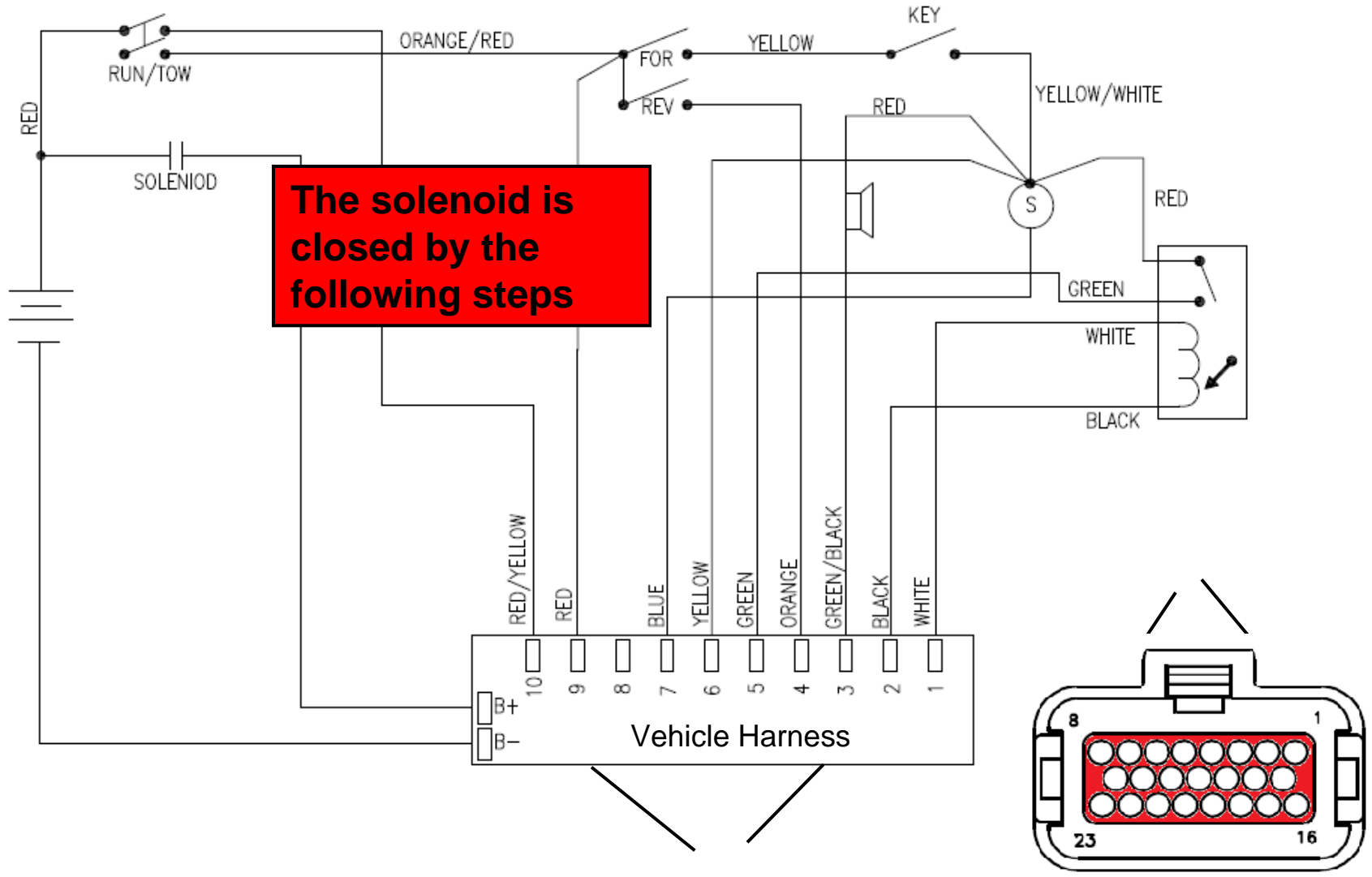




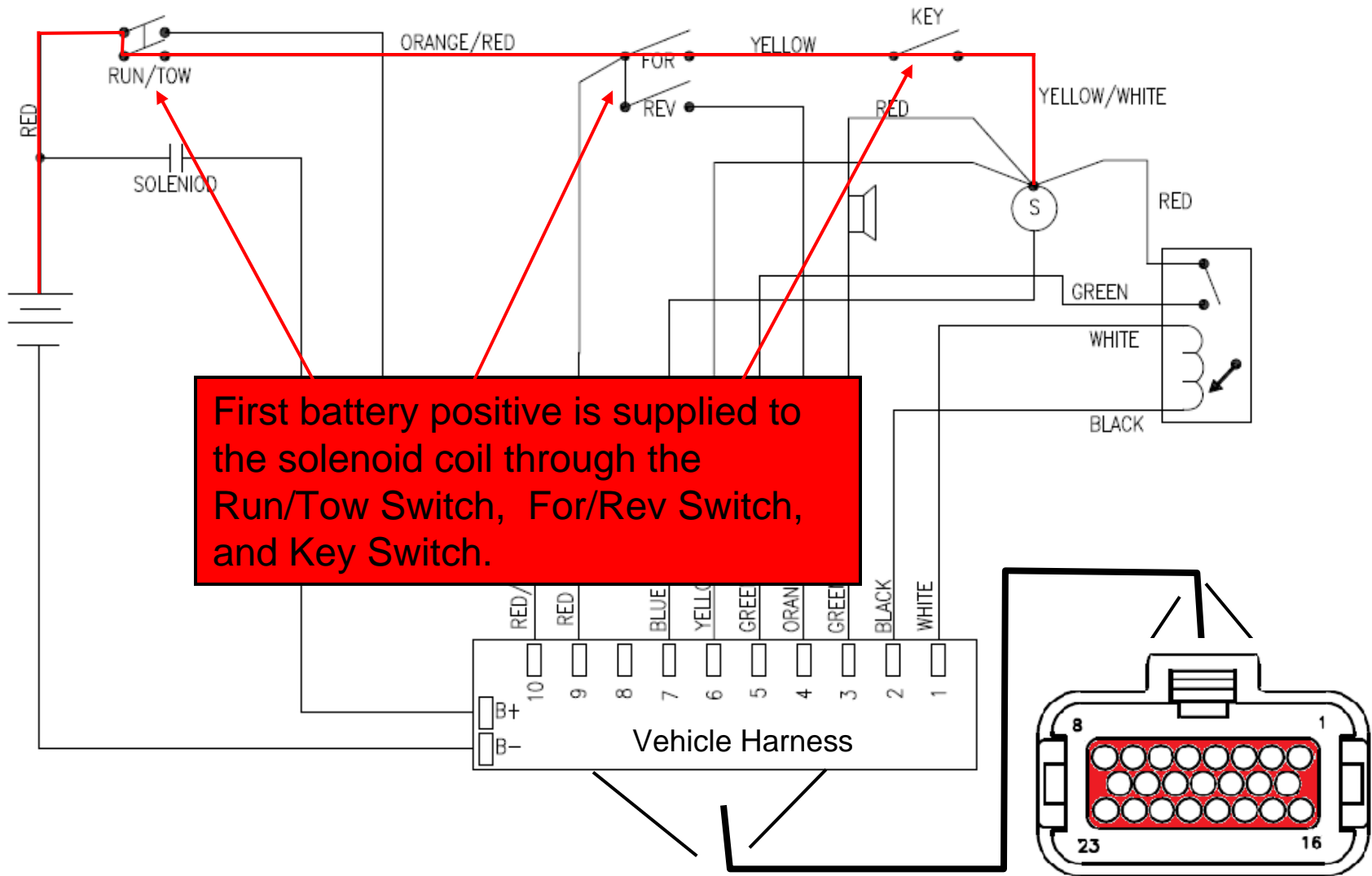
Pin 3 is supplied from the Green wire through your accelerator, verify proper operation of accelerator start switch.

Back 

The solenoid is closed by the following steps



Next

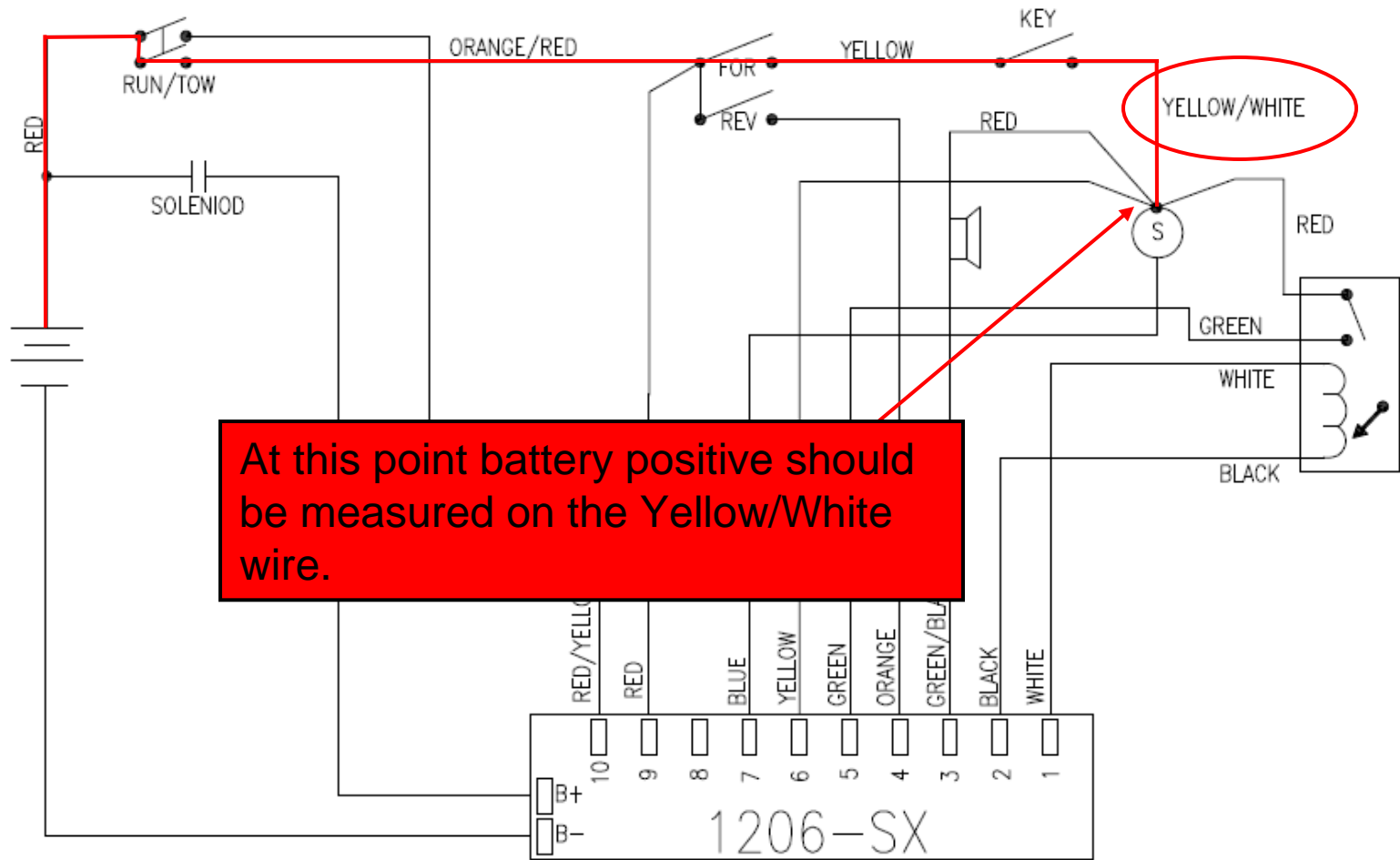


First battery positive is supplied to the solenoid coil through the Run/Tow Switch, For/Rev Switch, and Key Switch.



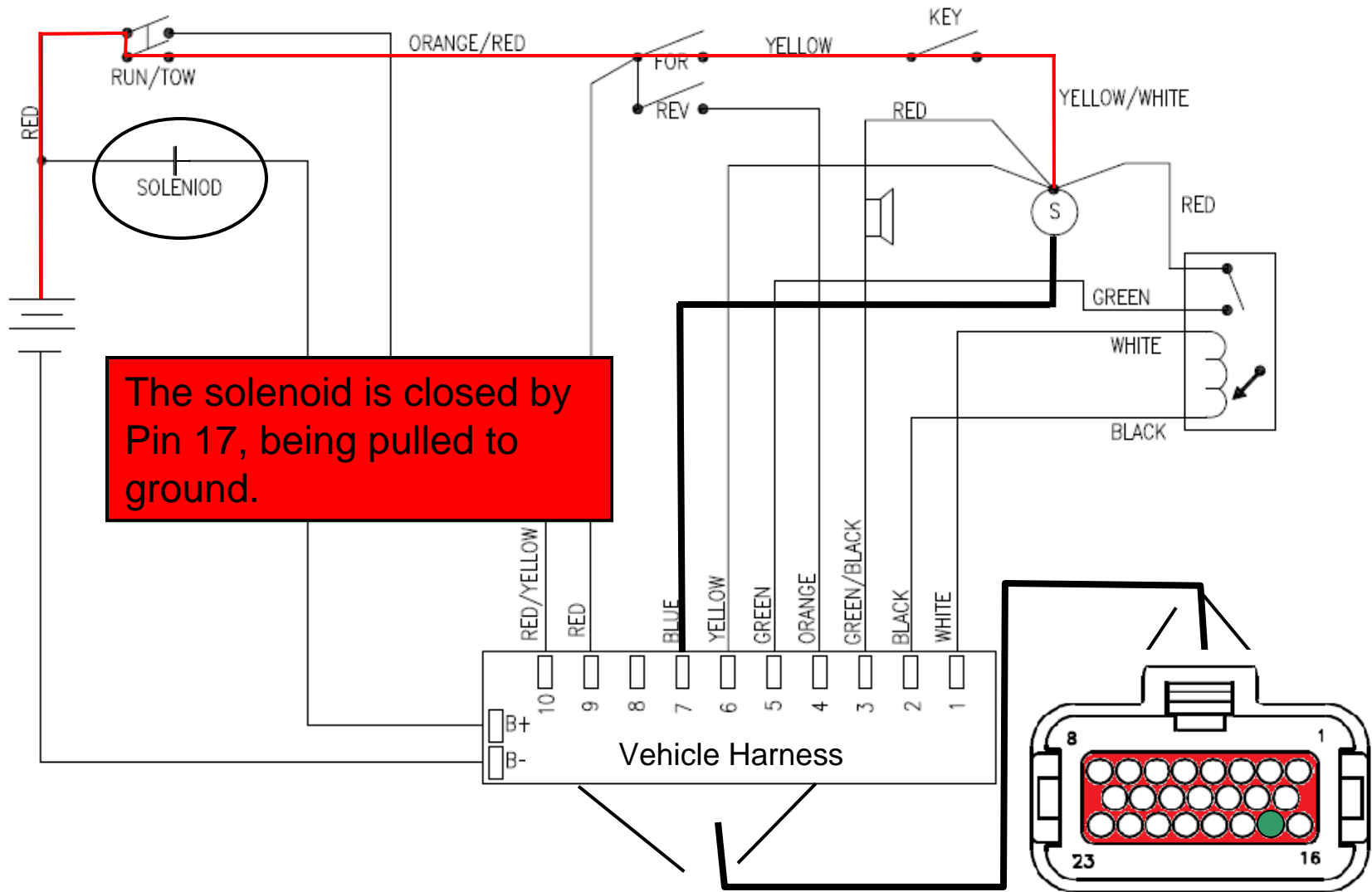
Next

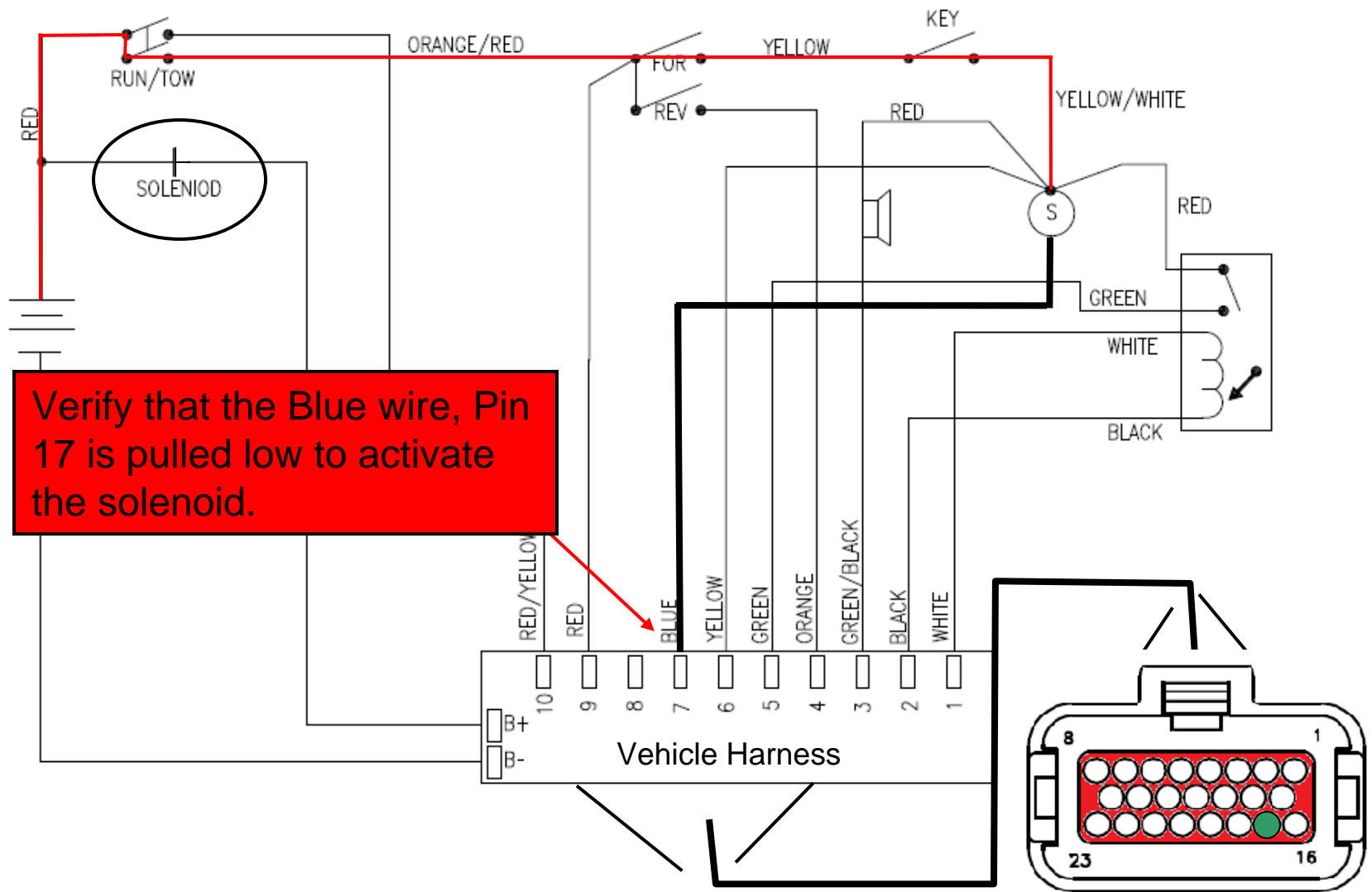




Next





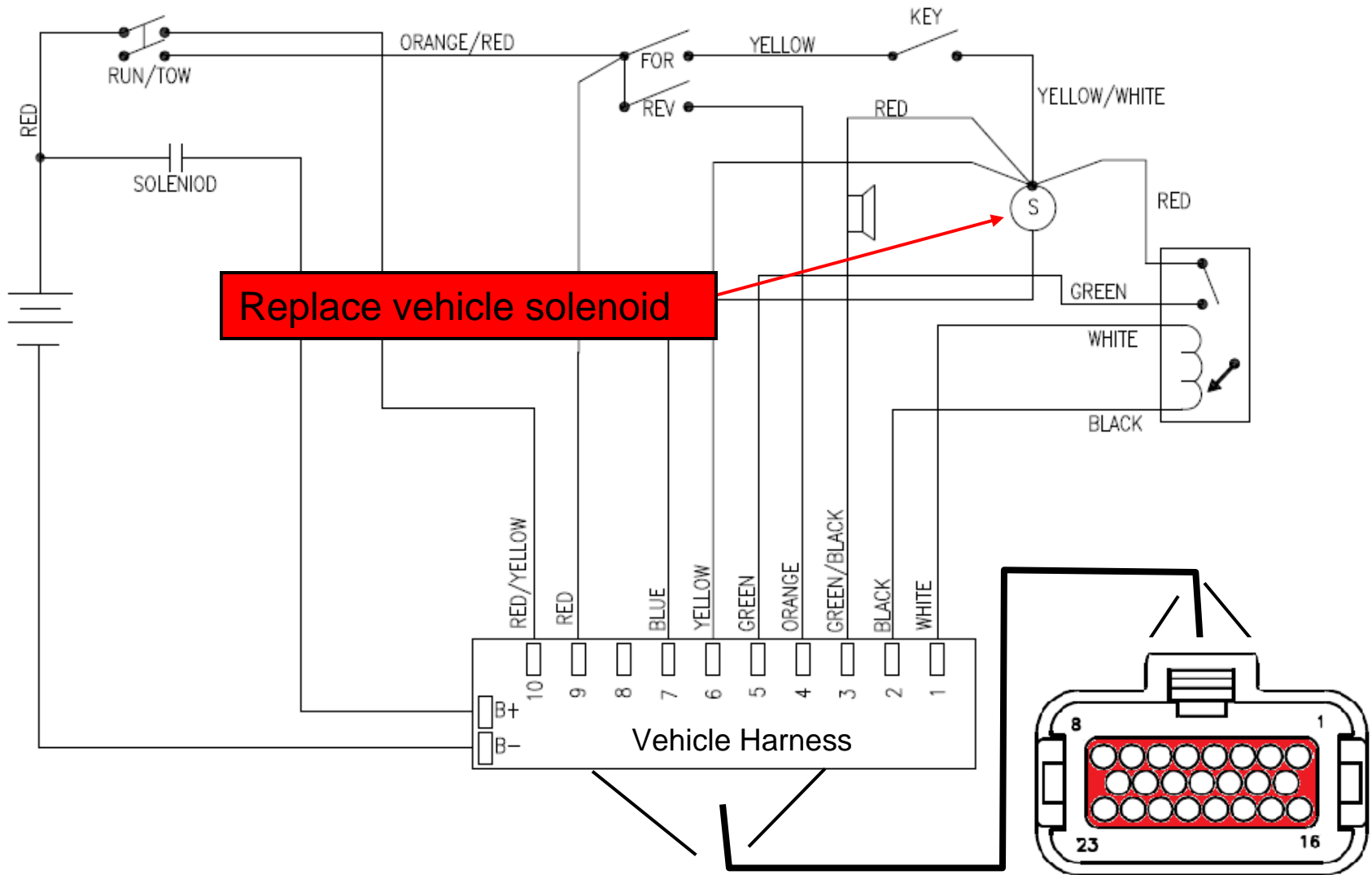


Verify that the Blue wire, Pin 17 is pulled low to activate the solenoid.

Pin 17 is NOT being pulled low

Pin 17 is being pulled low





End



At this point it is determined that your controller is faulty. Contact Flight Systems Industrial Products at 1-800-333-1194 to order a replacement controller.

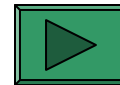


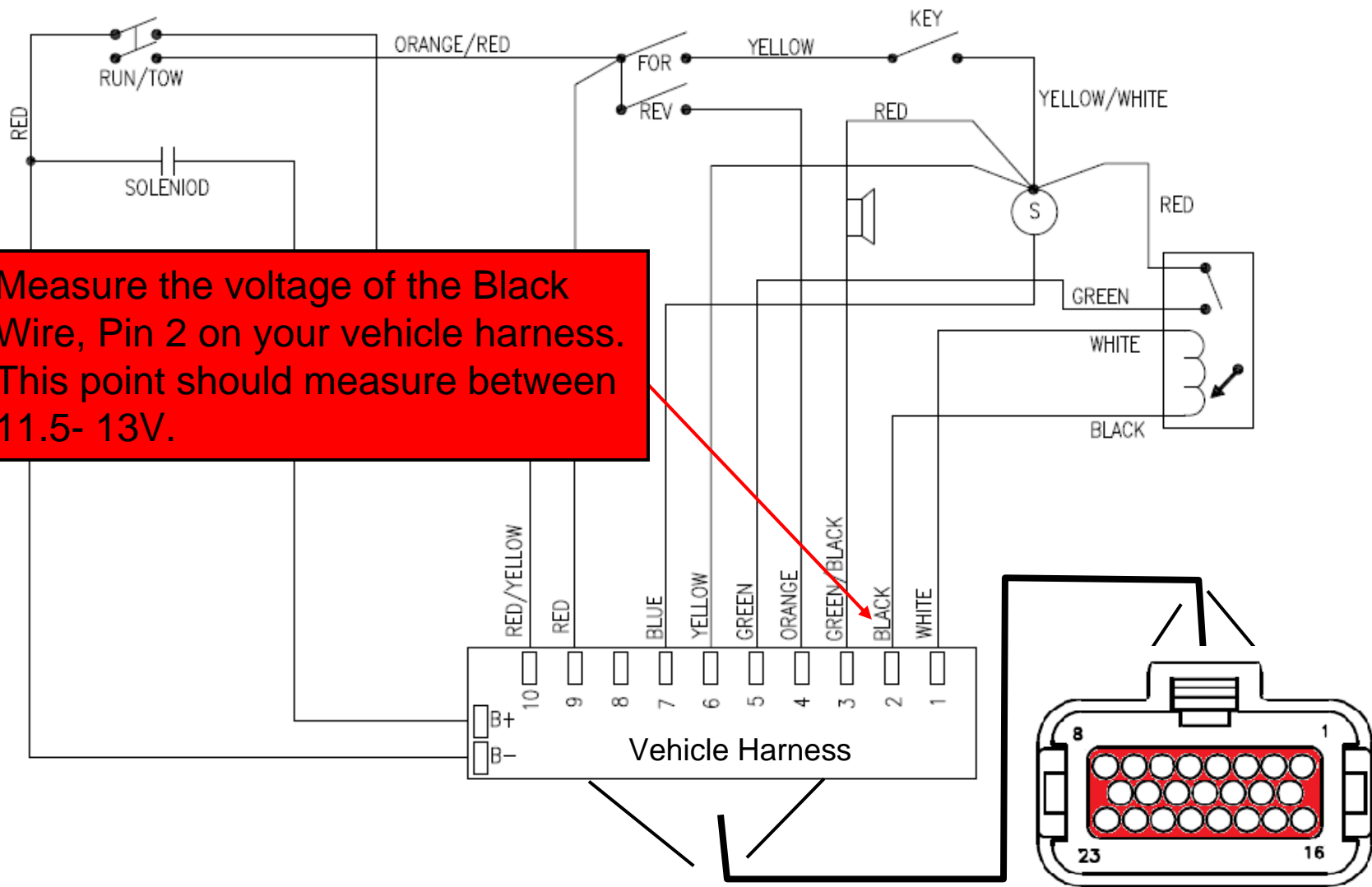
End



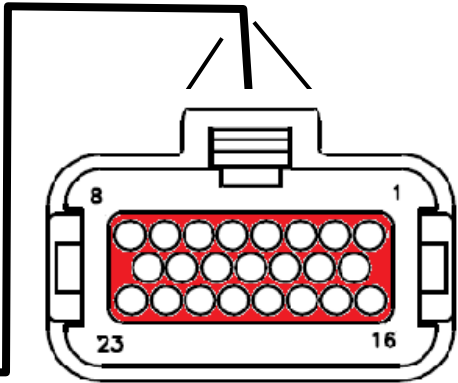
1. Tow/Run switch in the “Run” position.
2. Key switch in the “ON” position.
3. Forward/Reverse selector in “Forward” direction.

OK



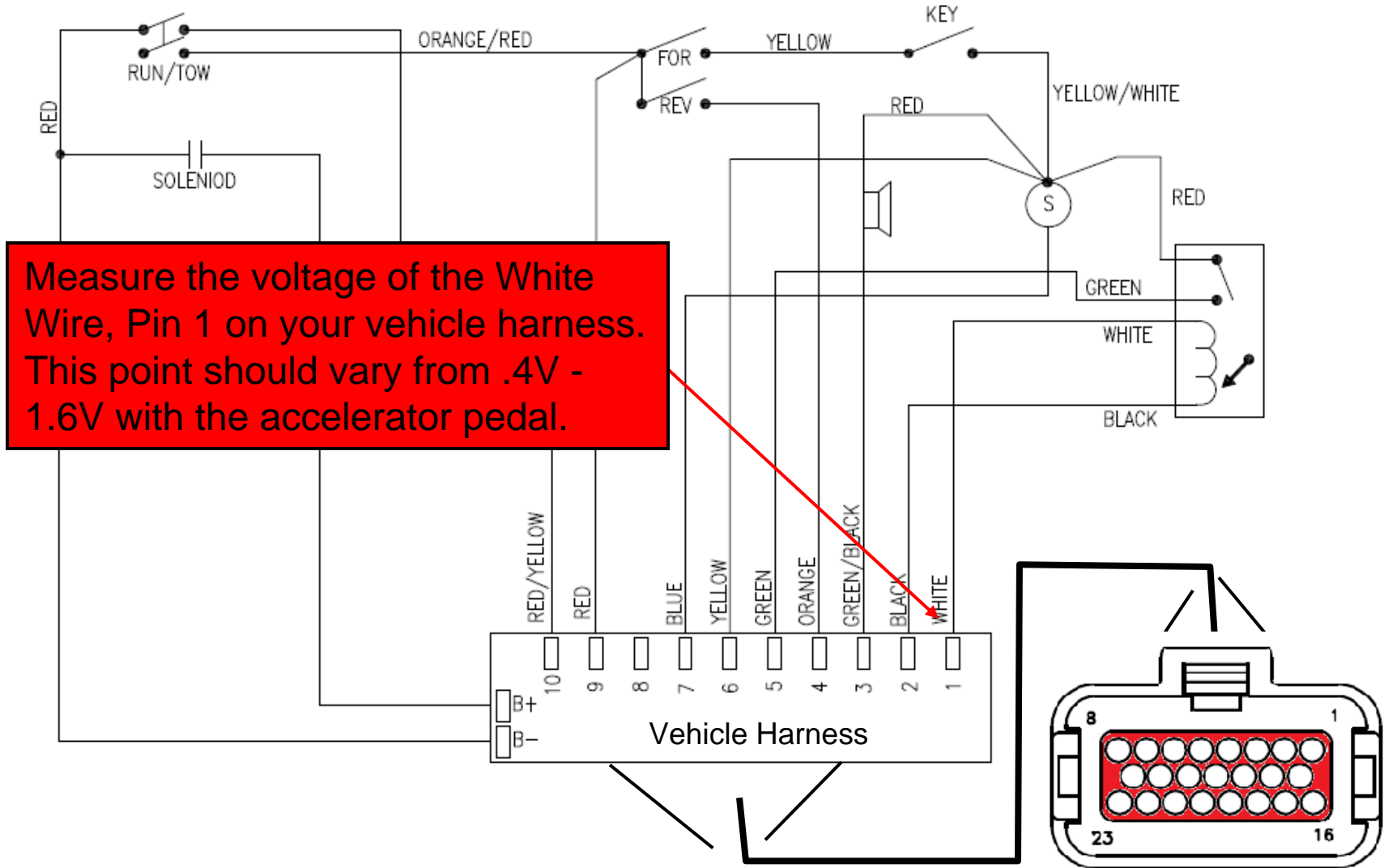


Measure the voltage of the Black Wire, Pin 2 on your vehicle harness. This point should measure between 11.5- 13V.



Pin 2 measures between 11.5-13V.

Pin 2 does not measure between 11.5-13V.

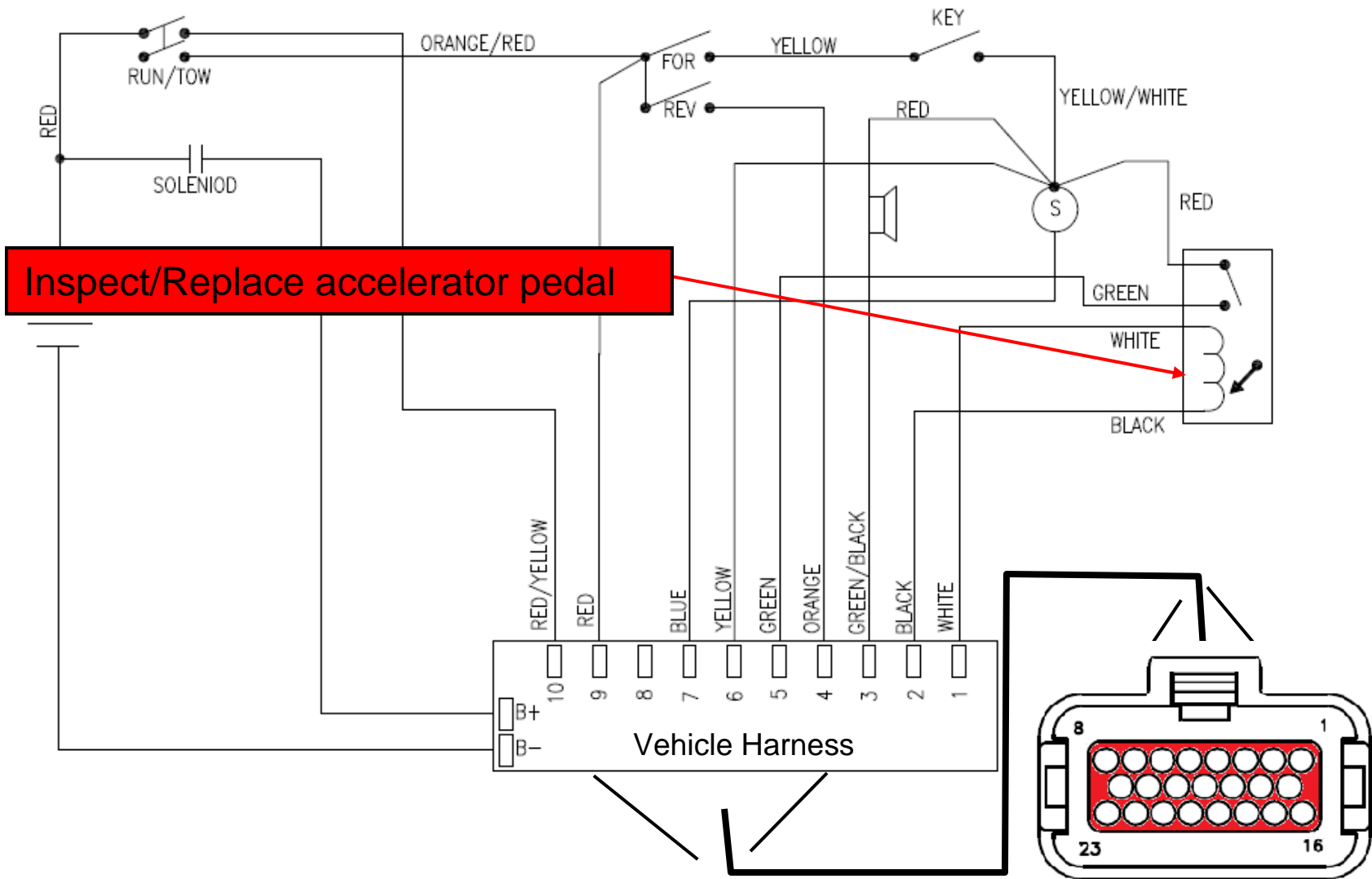


Measure the voltage of the White Wire, Pin 1 on your vehicle harness. This point should vary from .4V - 1.6V with the accelerator pedal.



Pin 1 does vary between .4V – 1.6V when moving the accelerator pedal.

Pin 1 does not vary between .4V - 1.6V when moving the accelerator pedal.



End



Swap positions of the F1 and F2 cables on your controller, this will correct travelling in the wrong direction.



End

