

THROTTLE POSITION SENSOR (TPS) TROUBLESHOOTING GUIDE 1997-2001 2.0L Honda CR-V

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Testing the throttle position sensor (TPS) can be easily done with a multimeter. In this guide I'll explain how I test the throttle position sensor.

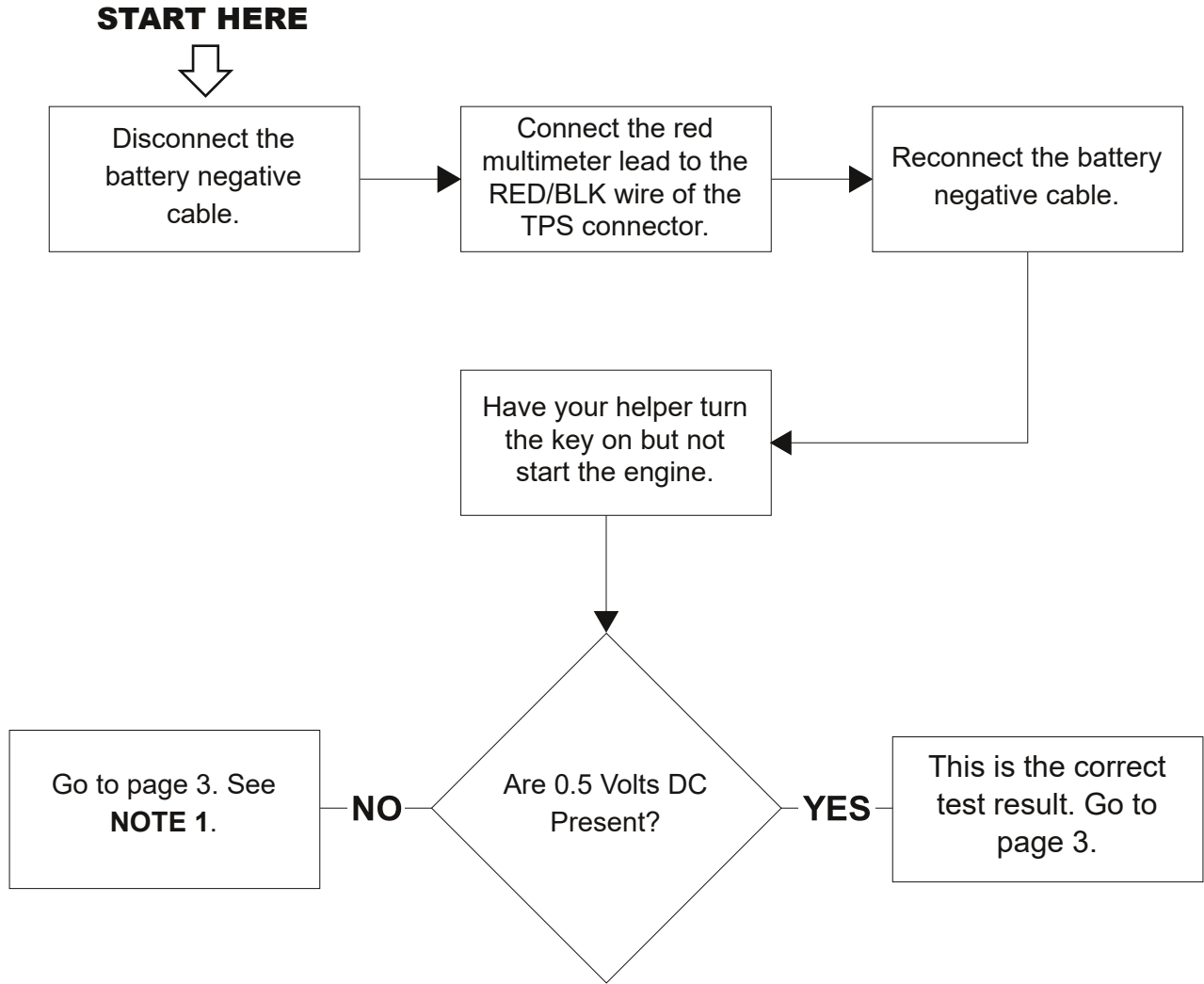
You can see this test in action in this YouTube video:

↗ <https://youtube.com/watch?v=EvRs8FP6DpQ>

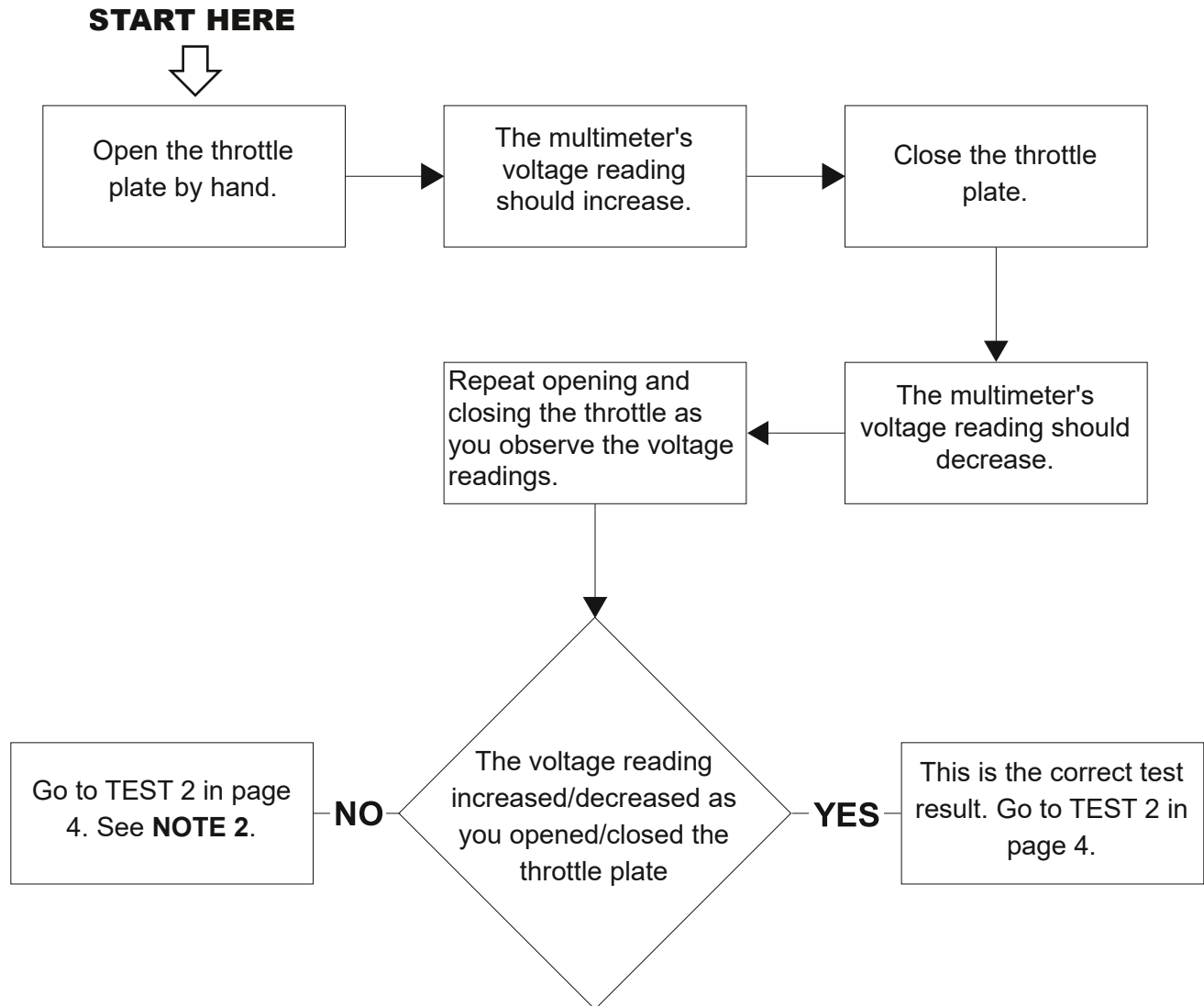
You can also find more info in this online tutorial here:

↗ <https://easyautodiagnostics.com/honda/2.0L/testing-the-tps-1>

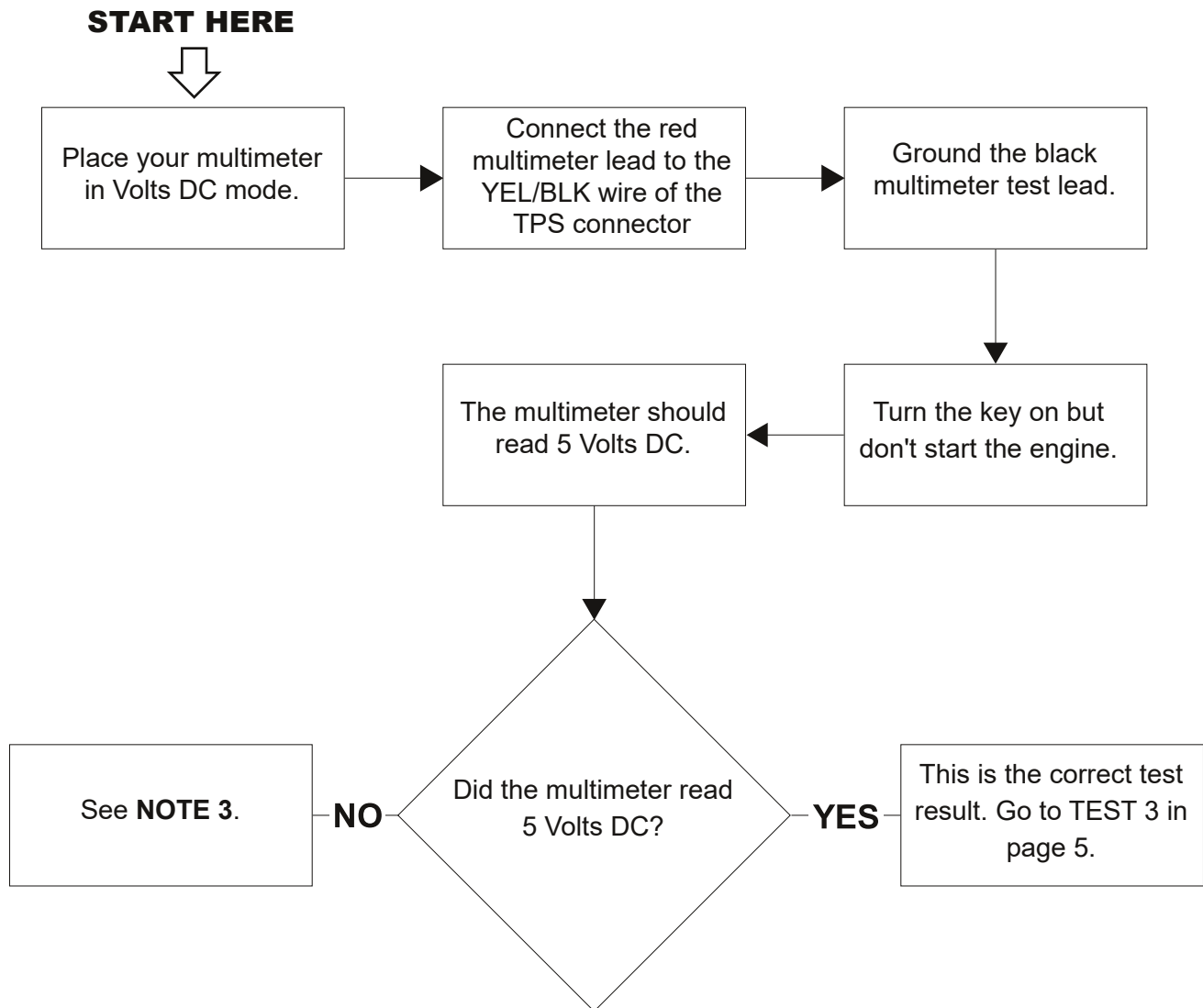
By the way, if you're reading this guide on an electronic device (PC, laptop, etc), you can click on the links and open them in your device's default browser. The clickable links will have the following symbol: ↗.



NOTE 1: If you didn't get 0.5 Volts, then there's a good chance that the TPS is not getting power or Ground. Continue to TEST 1: TPS Signal Test (PART 2) in page 3.



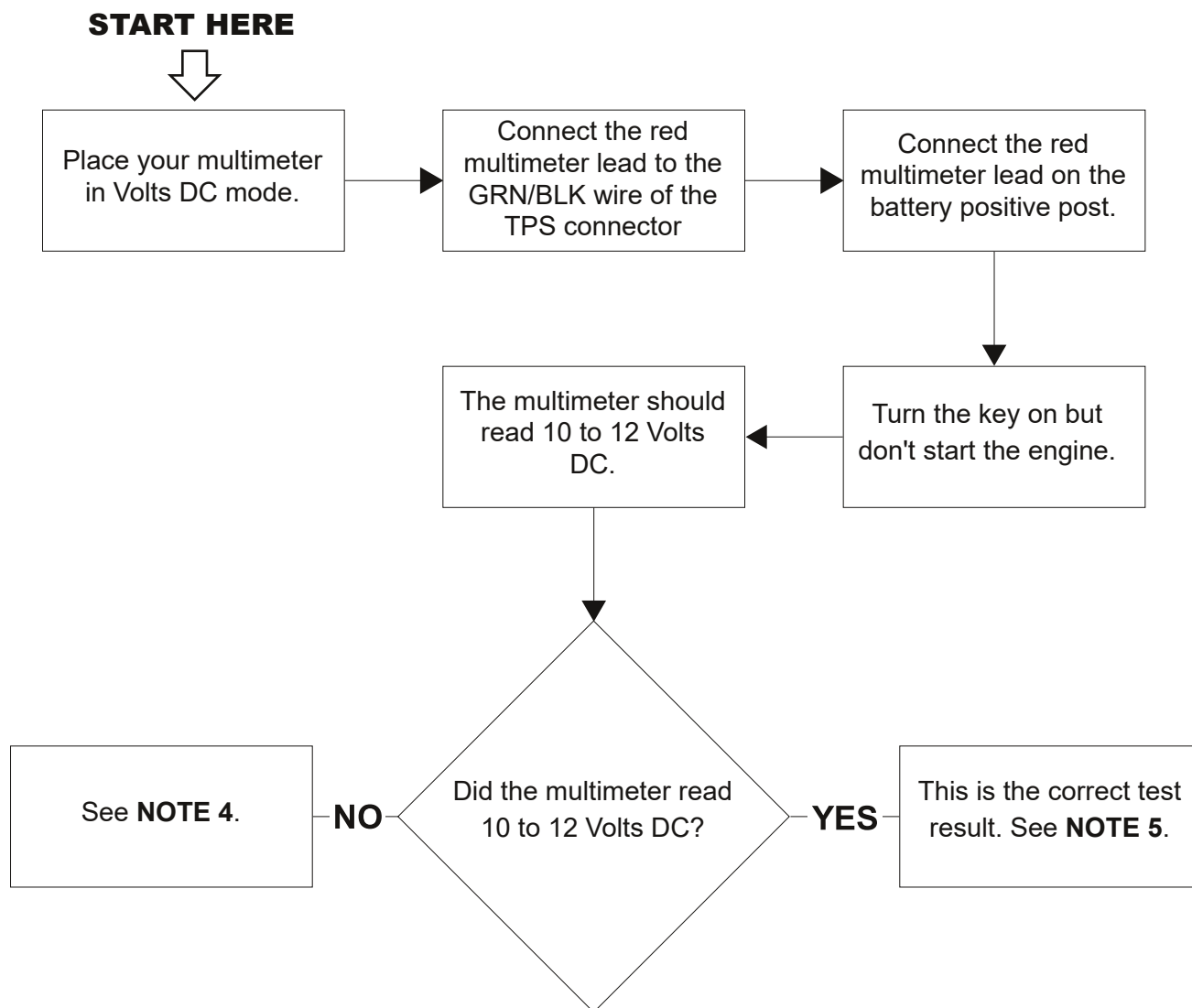
NOTE 2: This test result usually means that the TPS is defective. To make sure you need to verify that the TPS is getting power and Ground. Go to TEST 2 to test for power.



NOTE 3: If you're not getting a 5 Volts DC reading from the yellow with black (YEL/BLK) stripe wire, then the most likely causes are:

- The wire is 'open' between the TPS and PCM connectors.
- The MAP sensor is shorted internally.

I would suggest that you disconnect the MAP sensor and check for these 5 Volts again. If 5 Volts are now present at the YEL/BLK wire (of the TPS connector), then the MAP sensor is defective.



NOTE 4: If you're not getting a 10 to 12 Volts DC reading from the green with black (GRN/BLK) stripe wire, then the most likely causes are:

- The wire is 'open' between the TPS and PCM connectors.

NOTE 5: You can conclude that the TPS is defective and needs to be replaced if:

- The TPS signal is not increasing/decreasing as you open/close the throttle plate (TEST 1).
- The TPS is getting power (TEST 2).
- The TPS is getting Ground (TEST 3).

Check out the following tutorials. If you're reading this PDF on an electronic device, you can click on the links.

YouTube video that explains the ignition control module test (1999-2001 Honda CR-V):

↗ <https://www.youtube.com/watch?v=VUDHWc6Jul4>

YouTube video that explains the ignition coil test (1999-2001 Honda CR-V):

↗ https://www.youtube.com/watch?v=lcEsmK_V01I

YouTube video showing how to test the TPS (1997-2001 Honda CR-V):

↗ <https://www.youtube.com/watch?v=EvRs8FP6DpQ>

1999-2001 2.0L CR-V Ignition coil test tutorial at easyautodiagnosics.com:

↗ <https://easyautodiagnosics.com/honda/2.0L/testing-the-ignition-coil-1>

1999-2001 CR-V Ignition control module test tutorial at easyautodiagnosics.com:

↗ <https://easyautodiagnosics.com/honda/2.0L/testing-the-icm-1>

1997-2001 2.0L CR-V TPS test tutorial at easyautodiagnosics.com:

↗ <https://easyautodiagnosics.com/honda/2.0L/testing-the-tps-1>

Ignition system wiring diagram:

↗ <https://easyautodiagnosics.com/honda/2.0L/ignition-system-diagram-1>