

2004.5-2005 LLY HIGH IDLE SWITCH

Installation Guide

Read the complete guide before beginning. Keep removed hardware organized, follow all safety precautions, and verify all connections before operating the vehicle.



Disclaimer

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Caution

Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

Notice: Unplug both batteries before installation.

2004.5-2005 LLY Duramax high-idle Rotary switch

A.

D.

C.

E.

B.

A. Loomed electrical wires D. Switch knob B. Dial stickers E. Allen Wrench C. Switch control board

STEP 1

Use C3 grey connector Step 2 Lift grey lever & detach all 3 plugs



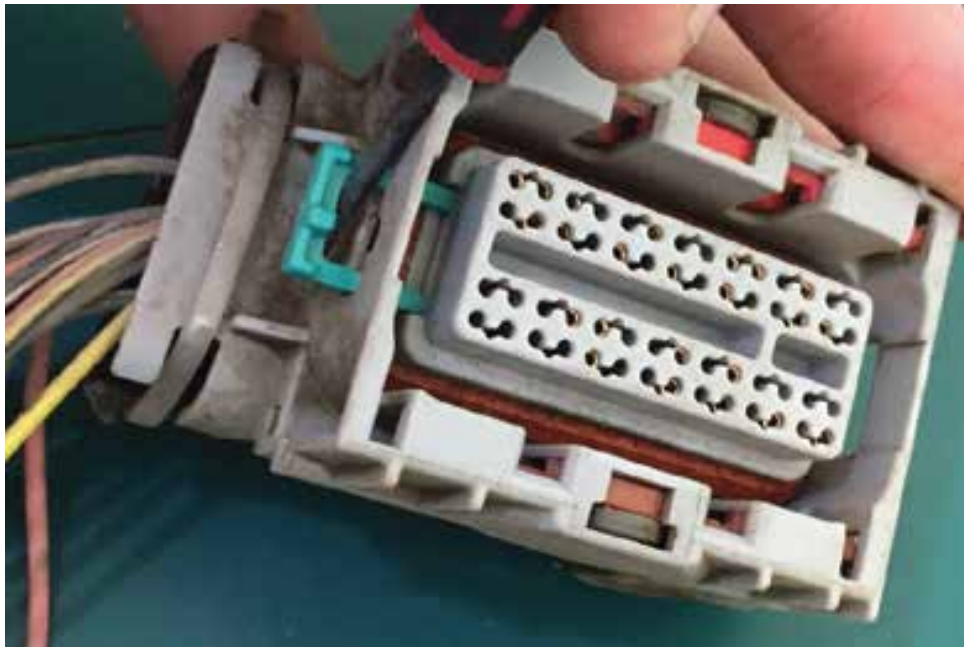
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STEP 3

Use bottom grey connector Step 4 Remove pin lock



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STEP 5

Remove black cover, insert flathead screwdriver into unlock clips

STEP 6

Remove black cover



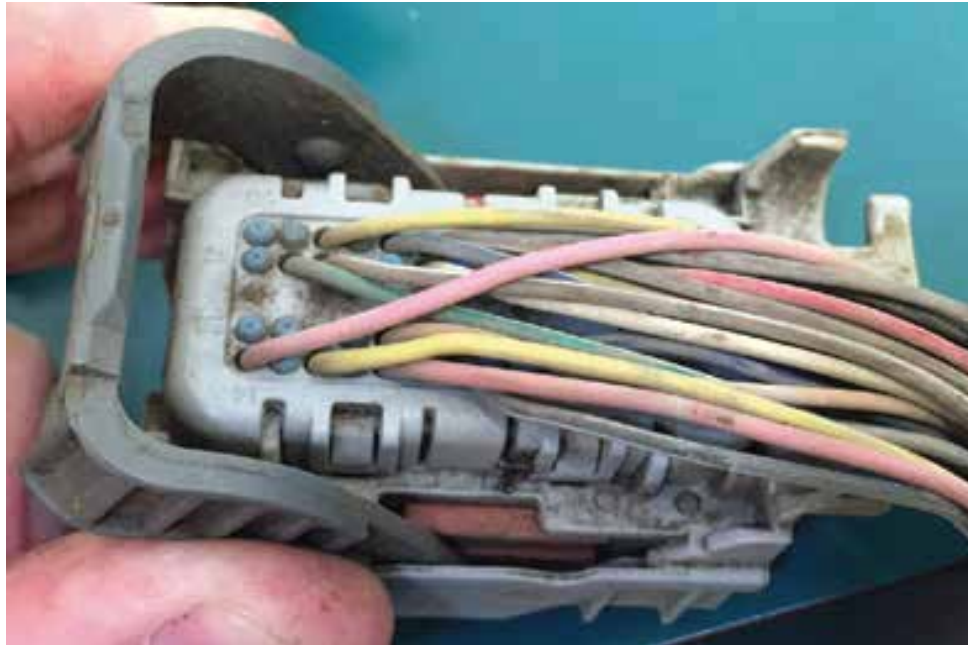
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STEP 7

Top view of connector Step 8 Locate correct pin locators



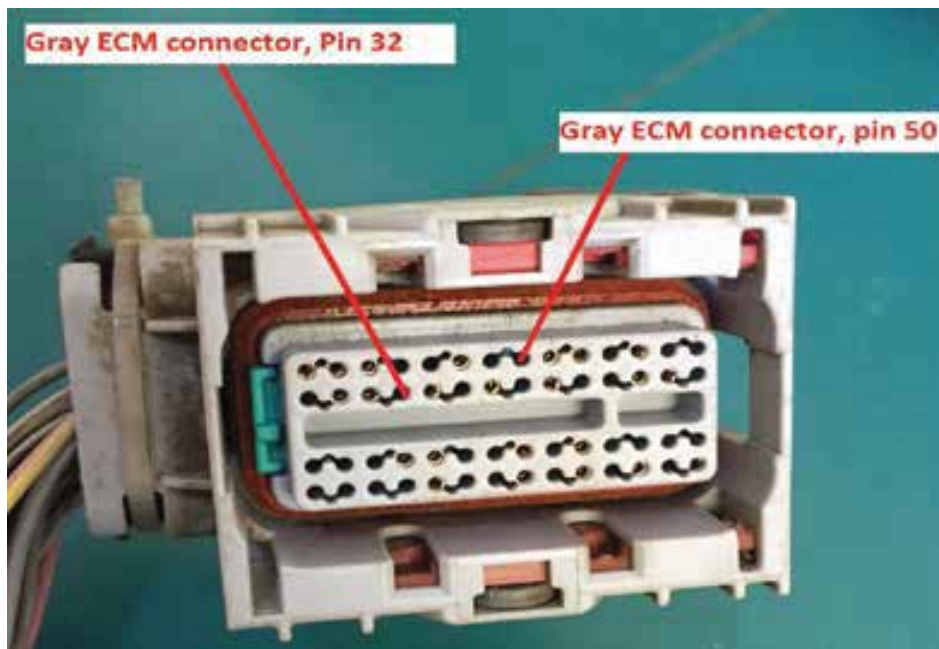
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STEP 9

Step 10 Remove pin filler



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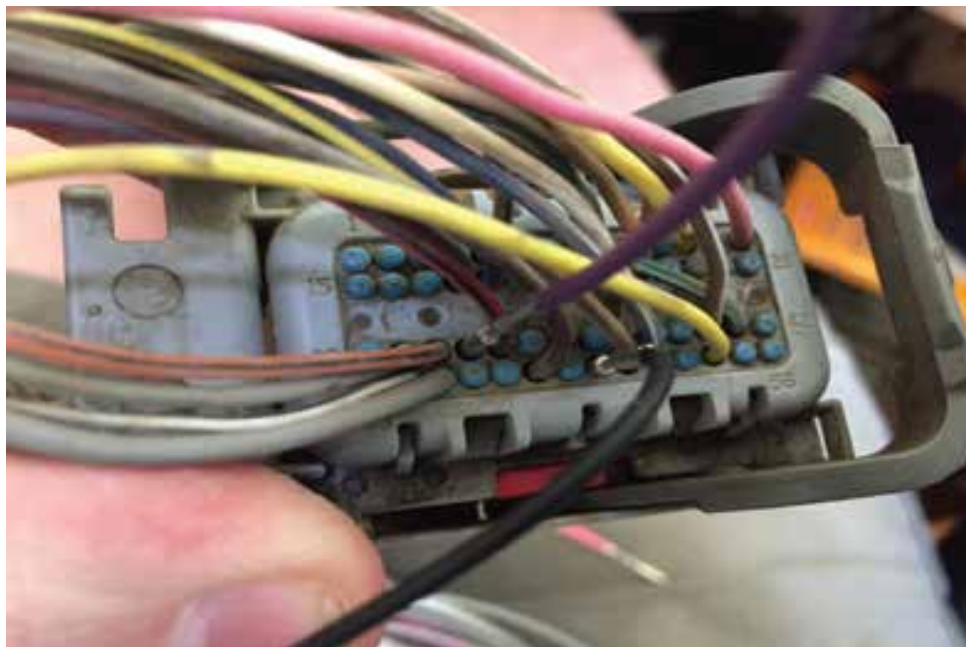
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STEP 11

Insert pin & wires to latch, reinstall pin lock

STEP 12

Reassemble connectors



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Notice: Proper switch pin position between the 6th and 7th slot



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Notice:

Stock Connector

Signal = Grey connector, pin 32 Ground = Grey connector, pin 50

Signal = Purple Ground = Black

High Idle Enable = Grey connector, pin 6 High Idle Enable = Blue

High Idle Power = Black connector, pin 12 High Idle Power = Pink

Troubleshooting: To troubleshoot your switch, you will need a voltmeter.

STEP 1

Set your switch to position 1.

STEP 2

Turn key to the run position. (engine off or on)

STEP 3

Level 1 4.5 Level 2 3.5 Level 3 2.5 Level 4 1.5 Level 5 0.5 High Idle 5.0

Test the Switch on the fly wire (Purple Wire). These numbers may vary within their specific levels. (i.e. 4.0-4.9 in Position 1) The voltage you should be seeing is:

STEP 4

If the readings do not match, please check your connections and pins to make sure they are not bent or broken. As well as, there is no debris stopping the pins from being inserted completely.

STEP 5

If the issue persists please call our tech support line for more help. 877-223-5018

