

2001-2004 LB7 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

By installing this product onto your vehicle, you assume all risk and liability associated with its use. , LLC. is not responsible for misuse of its products. By installing this , LLC. of any and all liability associated with its use.

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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.

2001-2004 LB7 Duramax high-idle Rotary switch



Installation reference - page 3

A.

D.

E.

C.

B.

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

STEP 1

Remove TCM Cover

STEP 2

Lift out TCM



Installation reference - page 4



Installation reference - page 4

STEP 3

Disconnect TCM Step 4 Remove ECM cover



Installation reference - page 4



Installation reference - page 4

STEP 5

Unbolt blue plug Step 6 Remove blue cover



Installation reference - page 5



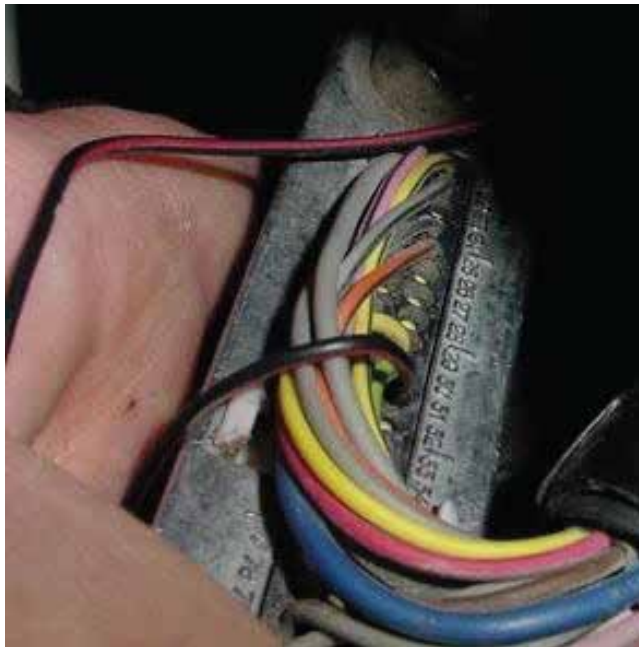
Installation reference - page 5

STEP 7

Pins now exposed Step 8 Insert new pin/wire



Installation reference - page 5



Installation reference - page 5

STEP 9

Reassemble

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



Installation reference - page 6



Installation reference - page 6



Installation reference - page 6

Notice:

Stock Connector

Signal = Blue connector, pin 69 Ground = Blue connector, pin 49

Signal = Purple Ground = Black

High Idle Enable = Blue connector, pin 71 High Idle Enable = Blue

+12V Switched ignition power source= 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

