

## Bored Throttle Body Instructions

Tools required: No special tools required. Basic socket set and eye protection.

Estimated time: 1 Hour

1. Unhook the negative side of the battery (Required: this will reset the computer back to default)
2. Unhook the air intake tube on top of the throttle body.
3. Unhook the throttle cable and cruise control cable if present. (These do not require any tools and don't force them because they are plastic) Some throttle bodies will also have a throttle spring return, if you have one, be sure to reattach it later.
4. There are three plugs attached to the throttle body. The plugs all have small spring clip locking them into place. You will need to carefully press down on the tabs and unplug them as well. Take care and make sure the clips are pressed down all the way and don't force them off.
5. There are 4 each, 10mm bolts holding the throttle body to the intake manifold remove the bolts and save.
6. The throttle body is now ready to come off and take care in not letting any debris or part fall into the intake manifold.
7. Remove the throttle body and replace with bored out throttle body. Inspect the gasket and make sure it was not damaged.
8. Reverse steps 5-1 for the re-installation.
9. Start up the engine and let the motor idle for at least five minutes. The computer will adjust the throttle body for the best settings for idle. Your engine will experience fluctuations in the RPMs during this time but it is normal. The computer is adjusting itself to the new setting.
10. Pack up the stock throttle body in the box it came in; affix the new label to the package and mail.

## Jeepers and Creepers Bored Out Throttle Body 4.0L Jeep©

The supplied throttle body is a stock throttle body that is bored out for a better airflow. Our throttle body will give you a better throttle response and a gain in torque and horsepower.

### Supplied parts:

One bored throttle body  
One gasket (option)  
Instructions and return label

### Options:

**NOTE: Due to the questionable electronic components being returned with the cores we are NOT including the electronics with the throttle body. We will include the electronic upon special request and we do not warranty any electronic components that are included.**

The electronics supplied are used but in a working condition but you may exchange them with your own if you would like. We do not recommend exchanging the throttle plate or throttle shaft because some of them are matched to the throttle bodies and we do not recommend removing the idle housing (the part with the 4.0L cast into it). These bolts have been known to break off and will void your core if damaged. If you decide to exchange the electronics, there is no need to re-attach them to the old unit and there are no extra charges.

Note: the screws have Loctite © applied and you may want to reapply to your screws to keep the screws from backing off but we have not had any problems just install the screw back in dry.

The stock gasket is usually in good shape and does not require any sealant. The supplied gasket is an option and if you decide to use it there is a \$3.00 charge that will be deducted from your core charge. Just return the unused gasket for a full refund.

A T-20 Torx© bit will be required to remove the electrical components.

When removing the idle air module (the black cylinder that is about the size of a 35mm film canister) take care in removing the “O” ring.

The throttle position sensor is the item that is hooked up to the throttle shaft. Be sure to not to force the sensor back on. The sensor does have a spring and will need to be aligned before it will properly return to position.

The manifold air pressure sensor is the flat matchbox looking sensor and be careful not to tear the rubber elbow when removing.

If some of the screws are hard to remove or frozen, install the throttle body back on your Jeep® and start the engine up and let the throttle body warm up. The heat will aid in the removal of these screw because many times there is too much Loctite© that is applied.

The bored out throttle body has been serviced and inspected. Some throttle bodies may have blemishes on the surface but it will not affect the performance. If you wish, your original throttle body may be bored out and returned to you for no additional charge other than the shipping cost. Just enclose a note with your throttle body that you wish the original core returned.

If you have a throttle body spacer the spacer will have to be bored out to match the bored out throttle body for proper air flow. We do offer spacer boring as well for an additional \$15.00 with free return shipping. Just include the spacer with your core and we will return your bored out spacer to match.

If you have any problems or questions, please feel free to contact us.

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This throttle body is for off road applications and may not be smog legal in your area so please check with local laws if you have any questions. We have passed CA smog checks using our throttle body and passed without any problems. The bored out throttle body will not affect the check engine light and the stock computer will function properly and operate within the normal parameters.