

## THROTTLE LINEARIZER, 1995-97 04-96112

(DIECAST CAR FOR SCALE AND IS NOT INCLUDED)



Flyin' Miata

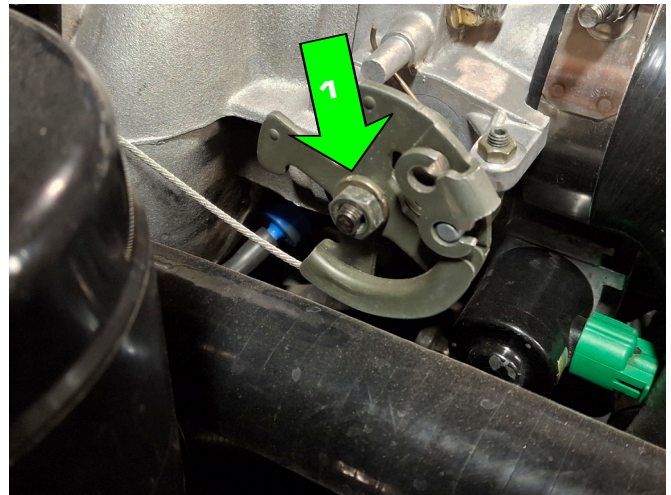
Thanks for purchasing our throttle linearizer. If you have any questions during installation or suggestions for improvement to the product or the instructions - please don't hesitate to call or email.

**WARNING: Not everyone can perform every installation. It is critical that you be honest with yourself in regards to your ability. We're more than happy to help, but there are only so many things we can do from the other end of a phone / computer. If in doubt, discuss the install with us before you dive in. Improper installation could cause injury and / or death!**

**Required tools:**

- Metric tool set

1. Manually rotate the throttle wheel clockwise until you reach the stop. This will give slack on the throttle cable, allowing you to line up the cable end with the slot in the throttle wheel, so you can then slide the barrel end of the cable out of the wheel. With the cable removed, you can return the throttle wheel to the closed position.
2. Use a 12mm chrome socket to remove the nut and lock washer from the original throttle wheel (1).
3. Remove the original throttle wheel. It may take rocking it back and forth to work it off the stud.
4. Install the throttle linearizer onto the throttle body stud as shown. Install the lock washer and nut and tighten down until the lock washer becomes flat.
5. Manually rotate the throttle linearizer to the full throttle position. Position the cable to allow the barrel of the cable end to slide into the linearizer. Ensure the cable rests in the groove of the linearizer as you return the throttle to the closed position.



### Checking your throttle cable adjustment:

1. **Caution!** - Do not adjust the throttle wheel stops (2, top one shown, bottom one not visible). These are set from the factory and should not be adjusted.
2. The required cable deflection is 1-3mm. That means the cable should move 1-3mm perpendicular to the cable's span between the bracket on the intake and the throttle wheel. Be sure, as you're checking your cable deflection, not to pull on the cable so hard that it opens the throttle wheel. It only takes light pressure. Also, be sure not to adjust your cable to have zero deflection, as that may result in your throttle being cracked at idle, potentially causing problems.
3. If your cable needs to be adjusted, use a 12mm wrench to loosen and tighten the nuts on the cable sleeve (3). Shift the cable sleeve end toward the throttle wheel to loosen the cable and shift the cable end away from the throttle wheel to tighten the cable. After each adjustment, recheck your cable deflection to ensure it's correct.

