

Tekno RC Pro Throttle Linkage for REVO (TKR1011)

Thank you for your purchase. The Tekno RC Pro Throttle Linkage for REVO will provide you with smooth, bind-free throttle response from your Traxxas TRX 2.5 and 3.3 engines. It may be used with an array of other engines but compatibility is only guaranteed for the Traxxas TRX 2.5 and 3.3 engines.

This product is best used in conjunction with the **Tekno RC Throttle Servo Mount for REVO (TKR1001)**. You may need to cut or grind away a small section of the top of the stock throttle box for clearance with the new throttle setup. A Forward Only Conversion (FOC) is required.

What you'll need for installation - The tools that came with your REVO and pliers.

Before you begin - The carburetor pull arm should be perpendicular to the forward direction of the vehicle (aligned left-to-right).

The ball end attached to the carb pull arm should be pointing straight down or just slightly pointed to the rear of the vehicle. Picture the ball end as the long hand of a clock, you'd want 5:50 - 6 o'clock.

1. Start by removing the stock linkage. Remove the shoulder screw, stock throttle arm and throttle return spring. The stock linkage should slip out of the throttle servo horn. Set the shoulder screw and silver stopper (collar w/ setscrew) aside, you'll need them later to install the new Tekno RC throttle linkage.

2. Secure the mounting bracket (steel bar with 4 holes) to the engine mount using the supplied M3 x 8mm button head screws. The bracket will line up with the two holes in the engine mount and should be pointing toward the rear of the vehicle. You may want to use a small amount of thread locking compound on the two screws.

3. Locate the silver stopper you removed earlier and the long Tekno RC throttle linkage rod. Slip the stopper over the straight end of the rod leaving about 2" (50mm) of linkage. Tighten it for now, the final adjustment will be made later.

4. Holding the Tekno RC throttle arm upright so that the logo faces you, insert the hook end of the long linkage rod into the hole on the smaller extension of the arm (the extension without the logo).

5. Insert the included 5 x 8 x 2.5mm bearings into each side of the throttle arm. Insert the shoulder screw into the throttle arm, then slip the straight end of the linkage into the throttle servo horn (outside of the roll hoop, if installed).

6. The shoulder screw and throttle arm assembly mounts on the outside hole of the mounting bracket. Secure the assembly with the supplied M3 locknut and thread locking compound. Use pliers or a wrench to make sure it is tight. The throttle arm should rotate and move freely at this point.

7. Locate the small threaded linkage rod and nylon ball cup. Thread the rod into the ball cup until about 1/8" (3mm) of thread is left.

8. Insert the small rod end and ball cup into the hole located on the longer extension of the throttle arm (with the logo). Then, using your hands or a pair of pliers, carefully push the ball cup over the carburetor's ball end.

9. When the carb is completely closed, the longer extension of the throttle arm (with the logo) should be pointing straight forward or just slightly to the right of the vehicle. If it is pointing at all to the left, remove the small linkage rod and ball cup and thread the rod into the ball cup some more. Reinstall back onto vehicle as before. Repeat if necessary.

Final Adjustment -

10. Slide the included spring onto the long linkage rod (in front of the throttle servo horn). Place the included stopper (collar and setscrew) on after the spring, compressing the spring slightly, then tighten.

11. Turn on your transmitter, then your receiver. DO NOT START YOUR VEHICLE AT THIS TIME. Allow the throttle servo to go to neutral or center position. Loosen the silver stopper closest to the rear of the vehicle and move it such that at neutral, it is about 1/32" (>1mm) away from the throttle servo horn. Tighten it back up. Test the throttle to make sure the carburetor is opening up all the way. If your transmitter has end point adjustments (EPA), set the throttle end point just past wide open throttle (WOT).

12. The carb should be completely closed at neutral. If it isn't, loosen the black stopper (closest to the front of the vehicle) and compress the spring about 1/8" (3mm) and tighten the stopper. Repeat if necessary until the carburetor is fully closed at neutral.

13. With the engine still off, test out your new throttle setup, ensuring everything is adjusted properly. Start your engine with your vehicle on blocks or in the air. Verify that you are getting full throttle and that the carburetor is closing at neutral.

14. You're all set. Enjoy your new Tekno RC throttle linkage.

Visit www.teknorc.com and www.impaktrc.com for all of your REVO and RC needs.



FIG. 1

**ADJUST SPRING
COMPRESSION
TO MAKE SURE CARB
IS FULLY CLOSED AT
NEUTRAL POSITION**

CARB IS IN LINE WITH VEHICLE

STOCK SILVER STOPPER

**3MM THREAD
SHOWING**

~1MM GAP

THROTTLE ARM POINTING STRAIGHT AHEAD OR SLIGHTLY TO THE RIGHT

