

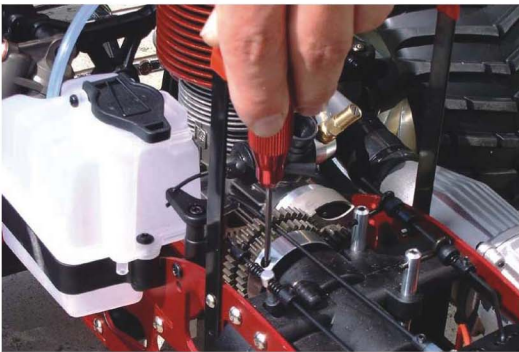
## Genesis 2<sup>nd</sup> and 3<sup>rd</sup> Speed Tuning Instructions

The Genesis 46 comes with an advanced three speed transmission that when adjusted correctly will give you wheelie pulling, low-end power, and blistering top speeds. These instructions below will help you set both the 2<sup>nd</sup> and 3<sup>rd</sup> speed correctly.

### 2<sup>nd</sup> Speed Set-up

The second speed adjustment screws can be found by looking through the hole on the spur gear hub. The screws are offset, so you will need to have them at an angle to see them. Refer to page 8 diagram 25 in your assembly manual for a better understanding of the adjustment screws placement. When moving from one screw to the next hold the hub with your finger and roll the truck. You will see the clutch shoes move, roll the truck until you find the next adjustment screw. Tightening the screws will increase the tension on the springs which will make is shift later. Loosening the screws will allow for an earlier shift point. This works the same for both the 2<sup>nd</sup> and 3<sup>rd</sup> speed shifters.

Take a look at the picture to help you find the adjustment screws.



When adjusting the shift point you must adjust the two screws as evenly as possible. The screws are color coated to help you adjust them evenly. Once you have the engine warmed up drive the truck in a straight line. You want the 2<sup>nd</sup> speed to shift in about 25-35 feet from a stand still.

### 3<sup>rd</sup> Speed Set-up

The 3<sup>rd</sup> speed adjustment screws can be found by removing the dust cap on the right side of the central transmission . The screws are offset in a similar fashion like the 2<sup>nd</sup> speed adjustment screws. Refer to page 6, diagram 17 for a better understanding of the internal setup.



The 3<sup>rd</sup> gear should shift when you hear the engine almost wind out. Make adjustment to each screw in very small increments, no more than 1/8<sup>th</sup> of a turn at a time. Try your best to adjust the two screws evenly. They are color coated to help you make even adjustments.

Starting shift settings for each shift unit are below. These are the number of turns you should loosen each screws after you have tightened each screw all the way down. Be careful not to crush the springs.

2<sup>nd</sup> Speed 4 turns out

3<sup>rd</sup> Speed 7 1/2 turns out.