



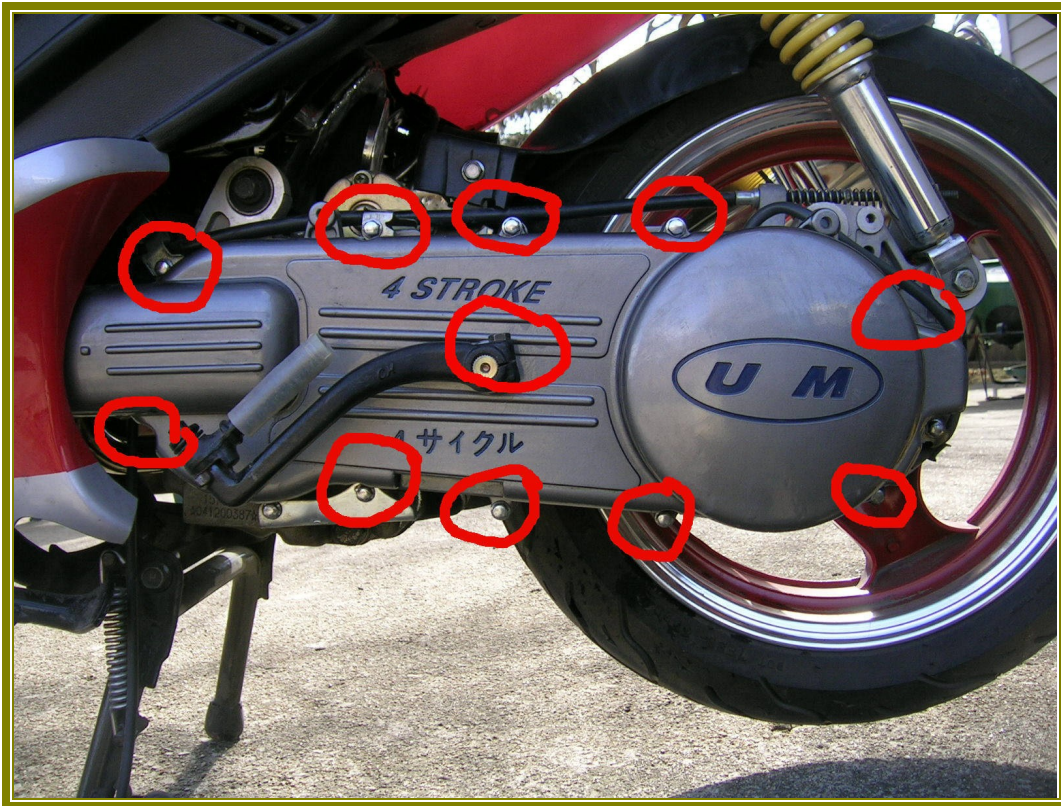
Performance Variator Installation





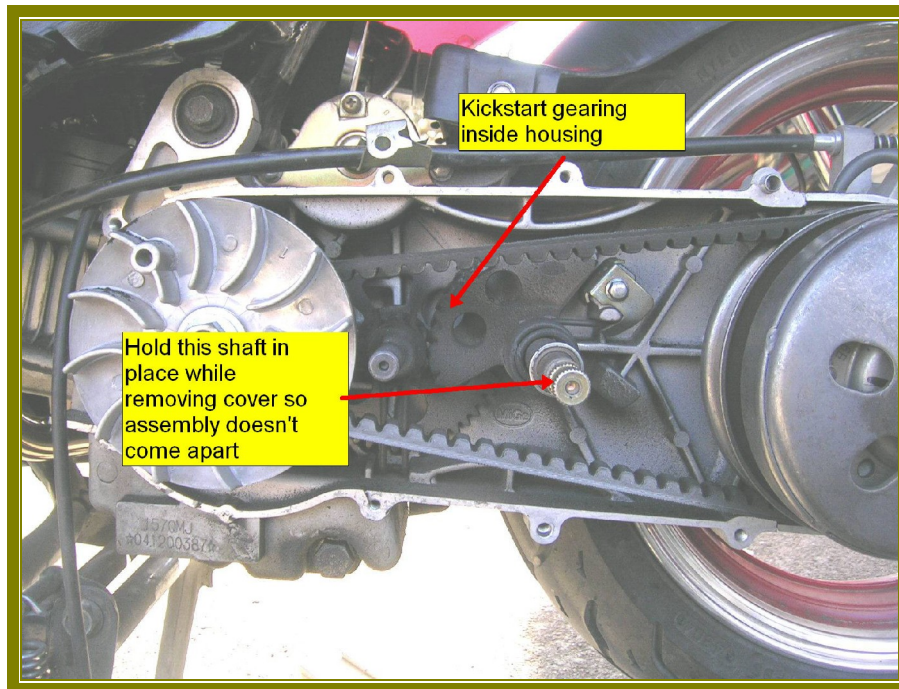
Note: These instructions are intended as a general guide for installing the performance variator. There will be minor differences between brands of vehicles. The illustrations in this guide are of a typical GY6 scooter.

Start by removing the bolts attaching the transmission cover and kick start lever.

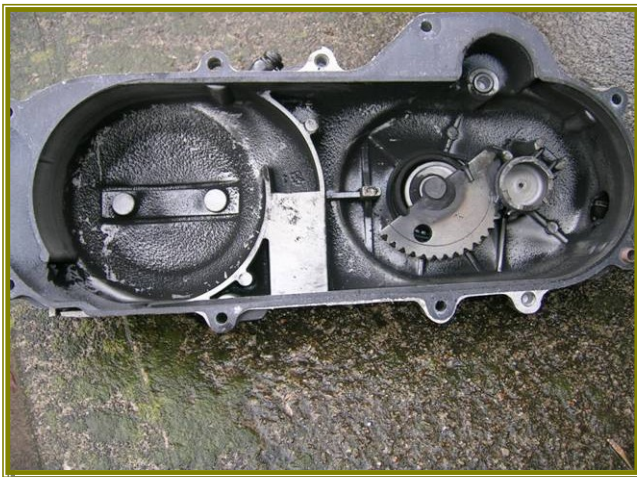


The screw attaching the kick start lever must be totally removed for the lever to slide off. The transmission cover bolts will be of different lengths, so make sure you make note of placement. Also make note of placement of any hose and cable guides held in place by these bolts.

Remove the transmission cover. You may need to tap it with a rubber mallet to break it loose. Keep pressure on the kick shaft while removing the cover to ensure that the kick gearing doesn't come apart.



Note: On some scooters, the kick start gearing is attached to the inside of the transmission cover. In this case the shaft will stay attached to the cover when removed.



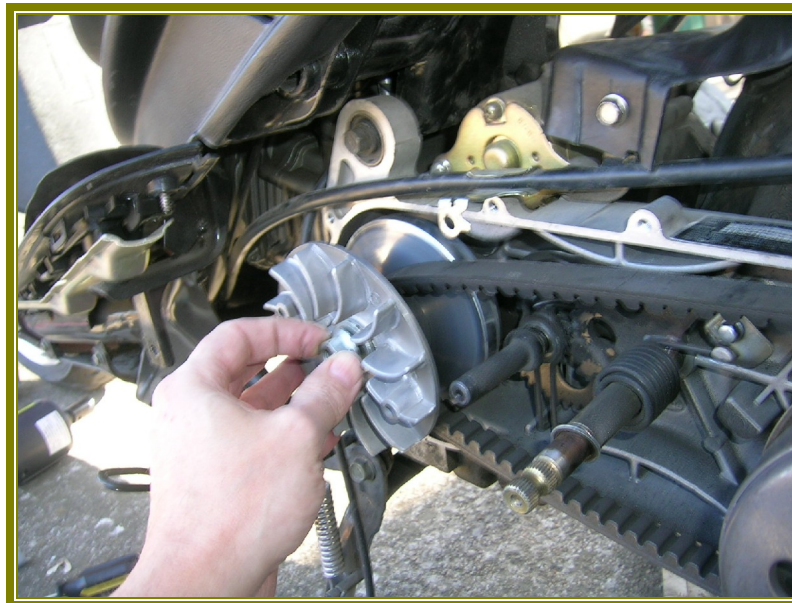
Use this opportunity to clean sludge from the cover and lube kick start gearing. In this illustration the kick start gearing is attached to the cover.



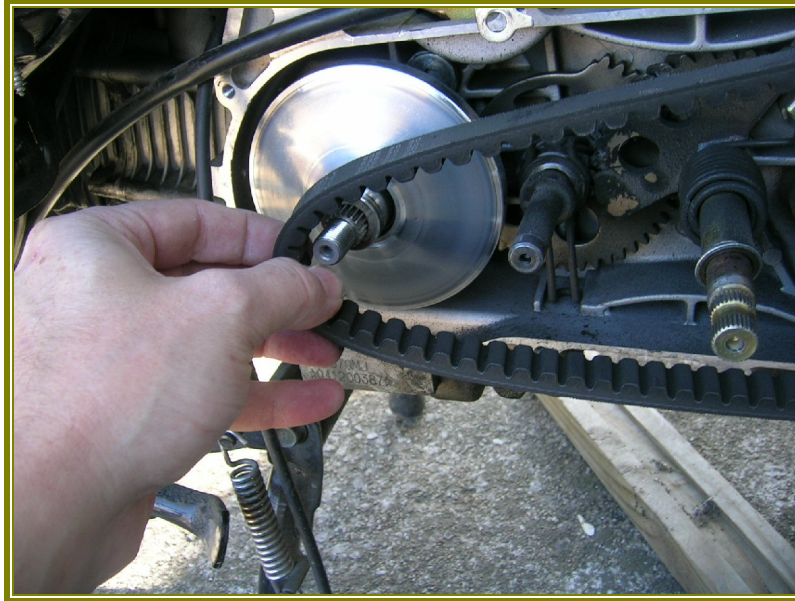
The next step is to remove the nut that holds the variator in place using an impact wrench.



Remove the front fixed pulley.



Remove the belt from the front pulley.



Remove remaining variator assembly.

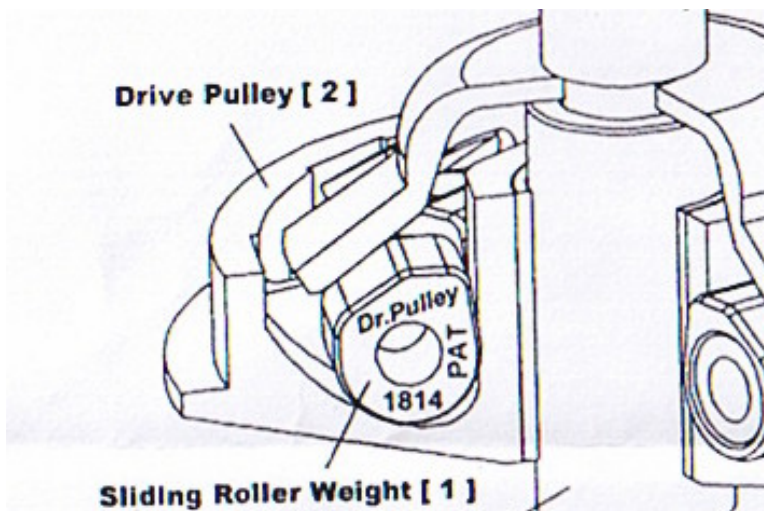


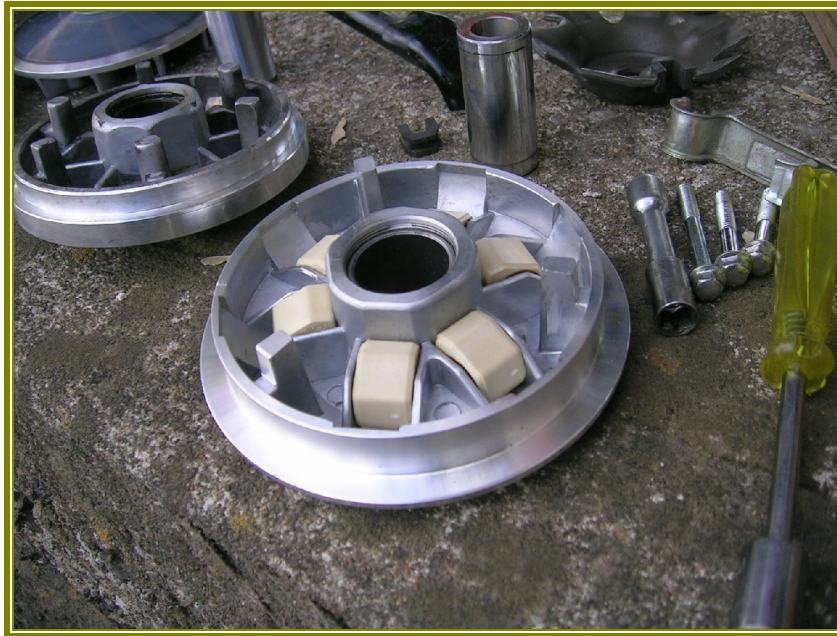


Assemble the new variator as illustrated.

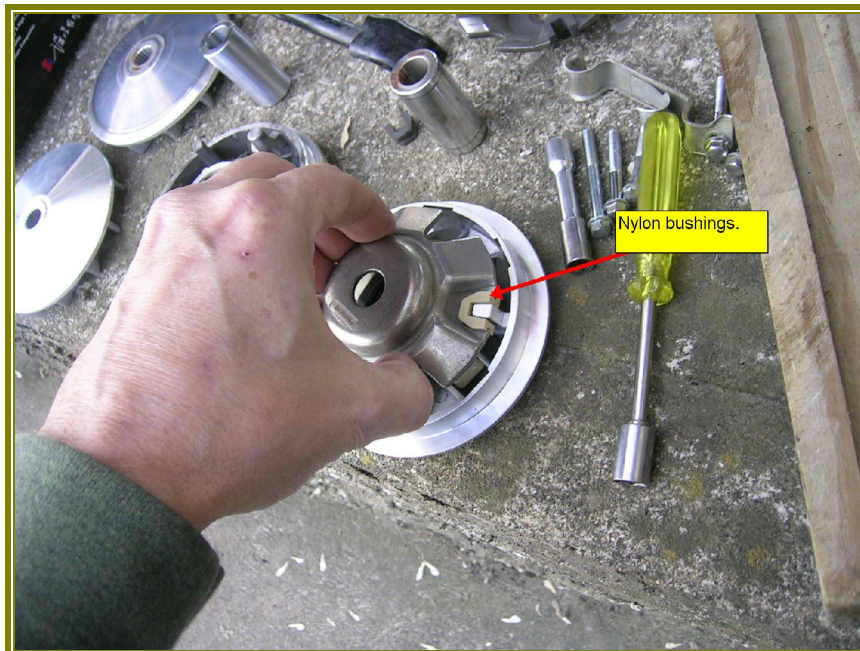


If you are using Dr. Pulley Sliding roller weights, orientation is critical or the variator will not function.



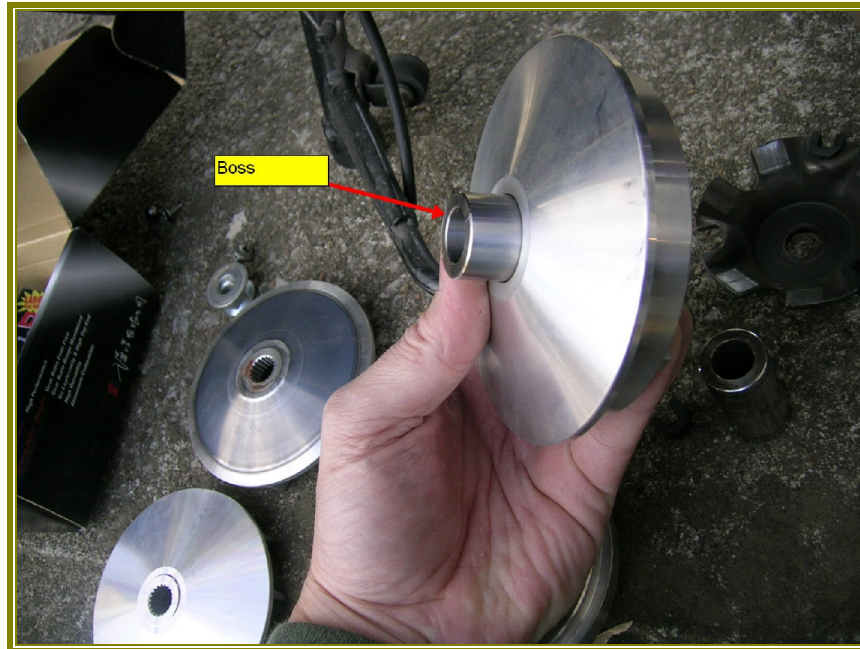


Install weights with proper orientation into the drive pulley. Place three nylon bushings onto ramp plate as illustrated and slide ramp plate onto drive pulley.



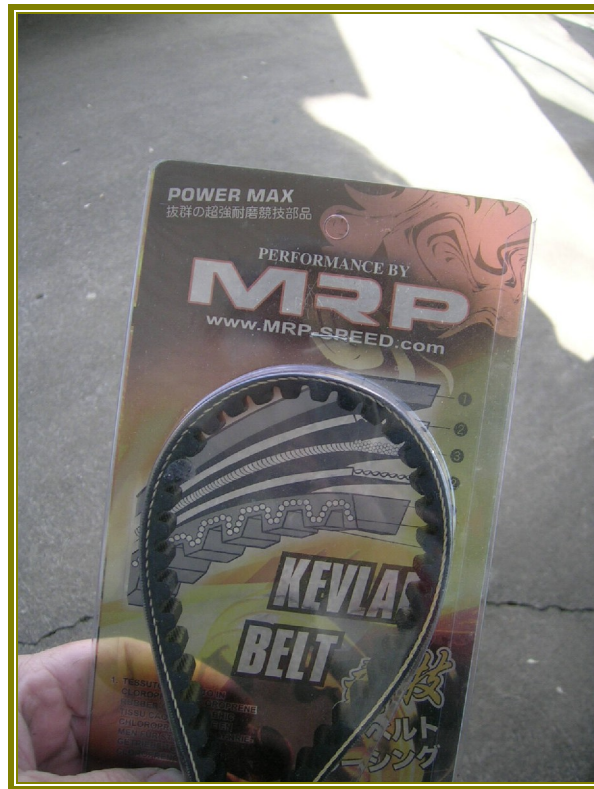


Hold the entire assembly together tightly so the rollers remain in position, insert the boss and slide the entire assembly onto the main shaft.

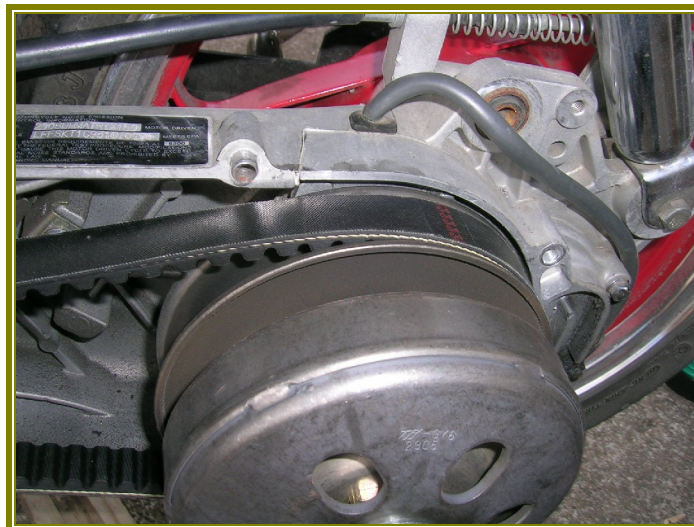




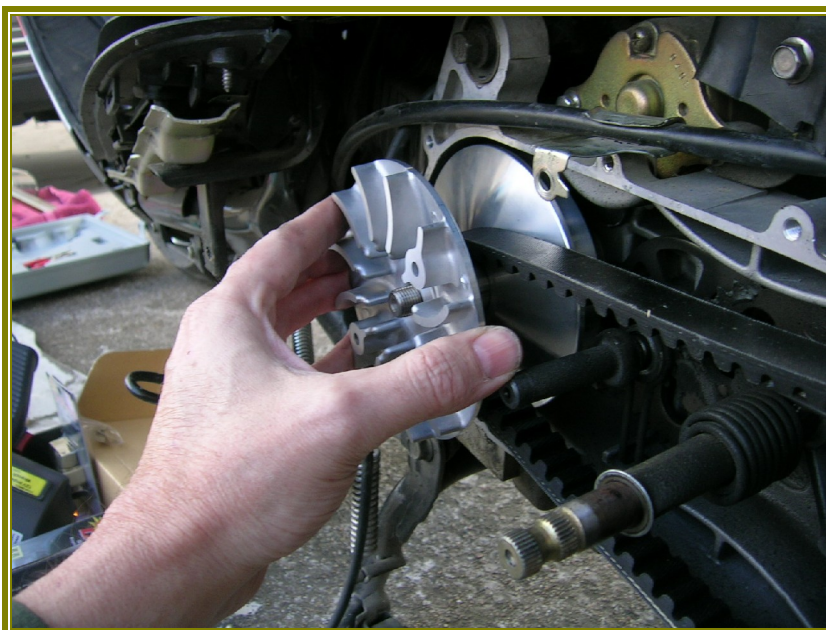
Now is an excellent time to install that new MRP Kevlar belt you've been dreaming about.



Insert belt into clutch.



Slide the belt over the boss and install front static pulley as shown.





Replace the variator nut. It is very important to apply proper torque to this nut or the variator assembly WILL come apart. Refer to vehicle manufacturer specifications.



Replace the transmission cover, kick lever and enjoy.

