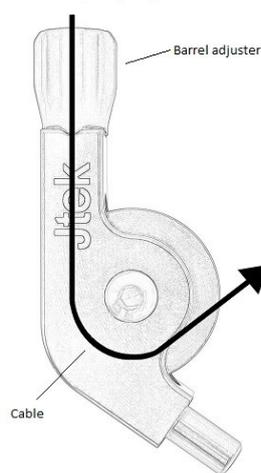
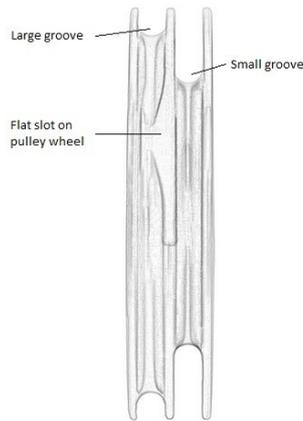


Jtek Engineering

ShiftMate



Jtek Engineering

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Operation:

The ShiftMate operates by changing the ratio of cable pull used by the shifting components. The cable wraps around one size pulley groove and transfers to another size pulley groove through a flat slot on the pulley, changing the rate of cable pull like the gears on a bike.

Before you begin:

Make sure you have purchased the proper model for the components you are mating (please see the Jtek website for an up date compatibility chart).

Cable housing:

The ShiftMate eliminates 45 degrees of cable housing bend. The cable housing feeding the rear derailleur should be cut to a shorter length. It is recommended that a new shift cable be installed at the same time. Threading a used or short cable with frayed ends will make installation difficult.

Setup:

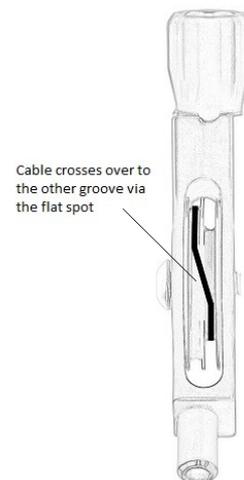
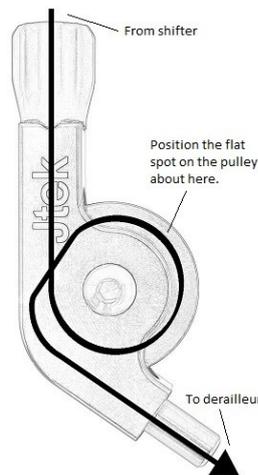
Before the routing of cable begins, make sure all the barrel shift adjusters are turned in, the derailleur is set to the smallest cog and the shifting cable is fully retracted from the shifter (highest gear).

Trouble shooting cable slip that causes poor indexing:

1. "Kink" the gear cable at the point it crosses between the tracks to stop it slipping if there is not enough friction.
2. Add a drop of thread lock at this point.

Step 1

Thread the cable down through the barrel adjuster. Wrap the cable around the wheel and back up through the body. Keep the cable in a straight line with the pulley groove. Seat the cable outer into the barrel adjuster.



Step 2

Continue to wrap the cable around the pulley crossing over to the opposite side pulley groove using the flat spot. Finish routing the cable round the pulley and through the exit hole in the body. Finish the installation by routing the cable into the derailleur.

NB. For the latest compatibility guide please visit:

www.jtekengineering.com