



EVOLUTION INDUSTRIES 2 & 3" BELT DRIVE INSTALLATION INSTRUCTIONS



Step 1
After securing motorcycle on bike lift and disconnecting battery, remove the oil drain screw and loosen the primary chain tension.



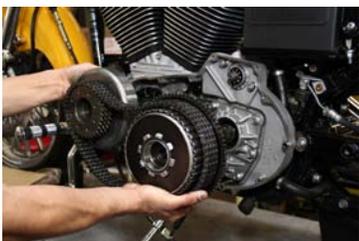
Step 2
Remove shift arm and linkage from primary.



Step 3
Collapse clutch cable at the adjuster then remove derby cover to access and remove the ball & ramp. Remove the clutch cable from the ball & ramp side, next unscrew the clutch cable from the primary cover.



Step 4
After you remove the primary cover, remove the compensator bolt and the basket transmission nut... ***remember that the basket nut is left hand threads***



Step 5
Remove the front stator and sprocket at the same time as the clutch basket
be careful since the front stator cup is attached to the sprocket and the magnets behind the cup will pull away from you... so watch those finger tips



Step 6
At this point it would be an opportunity to inspect the inside's of the primary for any wear or damage.



Step 7

Take the front sprocket/stator rotor and remove the 8 ¼-20 hex bolts accessible from the inside of the stator cup.



Step 8

Remove sprocket from rotor cup. You might have to lightly press out the sprocket out of the stator cup since its a snug fit from the factory. Make sure you support the rotor cup properly to prevent loosening of any magnets.



Step 9

After you remove the belt drive from its packaging, remove the 6 stand off bolts that secure the outer cover with the inner motor plate, loosen them completely but do not pull them out as they will help keep the center belt guard and spacers in place as you remove the cover.



Step 10

Remove the front pulley from its packaging. Remove the pulley bolts and guide.



Step 11

Remove the newly provided ¼-20 hex bolts from the front pulley.



Step 12

Turn the inner belt drive motor place face down in order to install the front pulley to the motor plate. Use extra caution to protect the large seal that is installed on the motor plate as the pulley insert will need to go through the seal.



View after front pulley is installed to motor plate.



Step 13
Install rotor cup using the supplied 1/4 -20 hex bolts.
Torque to factory specs using red thread-lock.



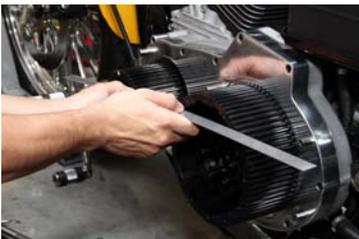
Step 14
At this point we recommend that you remove the clutch pack from the clutch basket and set aside. You will not need it for a few more steps.



Step 15
Install new primary gaskets.



Step 16
Install motor plate, keep an eye on the shifter shaft as that will go in first and you will need to protect the shift shaft seal that is on the motor plate.



Step 17
Torque motor plate mounting bolts & front pulley nut and rear basket nut to only half of factory specs. Use a straight edge to check front and rear pulley alignment.



Step 18

Two front pulley shim spacers are included in the kit (.070 thick and .090 thick).

We found that this install needed the 0.70 thick spacer.



Step 19

Repeat step 16 and torque to full factory specifications. You can also double check front and rear pulley alignment after torquing is complete. Use blue thread-lock on motor plate bolts and red on front pulley and basket nut.



Step 20

Remove oil cap from motor plate.



Step 21

Add 16oz. of your preferred gear oil at the filler hole. Re-install cap with blue thread-lock.



Step 22

You are ready to install the belt. You will need to guide belt onto both pulleys straight and evenly. Never use hammers of any kind to install belt. *Be sure to not crimp belt.



Step 23

Install clutch pack exactly the same way it arrived from Evolution Industries.



Step 24

Install thick friction spacer first making sure it is fully seated.



Step 25

Install the thickest steel clutch disc then friction then steel in that order until you end up with the 2nd thickest steel plate at the end of the drive hub.



Step 26

Install stock adjuster screw.



Step 27

Install springs with supplied bolts and retainer cups. Use red thread-lock on the first two to three threads to help keep them in place, then tighten till snug.



Step 28

Install front and rear outer pulley belt guides, use blue thread-lock on belt guide bolts. You are almost done, this is what you should look like at this point.



Step 29

Pick up the outer cover from your work bench, make sure you grab the outer cover and rails at the same time..this will help you keep everything in place for easy installation. There are two spacers in the center of the cover that will have to be installed after the outer bolts are screwed in place. Use blue thread-lock on all bolts.



Step 30
Install supplied aluminum clutch cable adjuster nut.



Step 31
Install your stock ball and ramp to the clutch cable.



Step 32
Install the clutch cable and cable actuator to the outer cover, make sure the flat side of the cable spacer is facing the outside of the bike and make sure all slack is taken out between spacer and clutch cable.



Step 33
Install the front pulley cover and outer clutch cover using blue thread-lock.



Step 34
Adjustment of the clutch cable does not change with this system.
Follow factory service manual for proper cable adjustment.



Step 35

Install shift linkage And spacer to your forward controls.

Make sure everything moves smooth and free before operating the motorcycle.
you are ready to go for a ride!

