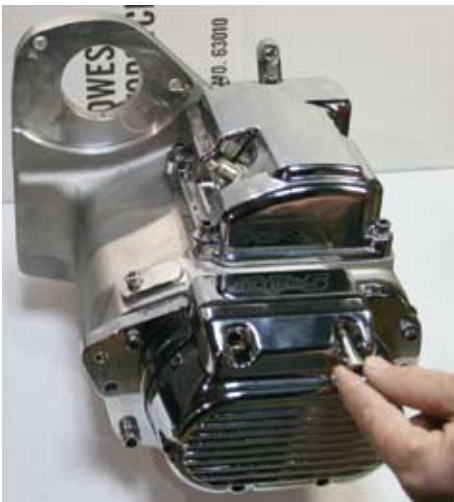




ULTIMA 5 & 6SPD KICKER KIT (96-969) & CLUTCH CABLE INSTALLATION

This kit requires Midwest Part#96-958 mainshaft gear spacer for 5spd installation.
No other components are needed for 6spd installation.

Ultima recommends that this kit be installed by a trained & qualified mechanic with knowledge of the Harley Davidson 5 speed transmission.



Remove the clutch release cover & set aside. None of these parts will be reused.



Remove the stock clutch throwout assembly & gasket. These will not be reused.



Remove the mainshaft nut. 5 speed models will have an additional spacer behind the mainshaft nut. This spacer will also need to be removed. These will not be reused.



6 speed models At this time you will install the supplied Mainshaft gear/nut onto the mainshaft. Before installing the Mainshaft gear/nut be sure to clean the threads of both the mainshaft & the nut. Once that has been done, apply high strength loctite to the threads.



5 speed models will need to install a spacer onto the mainshaft before the gear/nut. Midwest part # 96-958



Torque the Mainshaft gear/nut to 27-33 ft lbs.



Install the supplied gasket & clutch throwout bearing assembly.

STOP: At this time you will need to install your clutch cable.

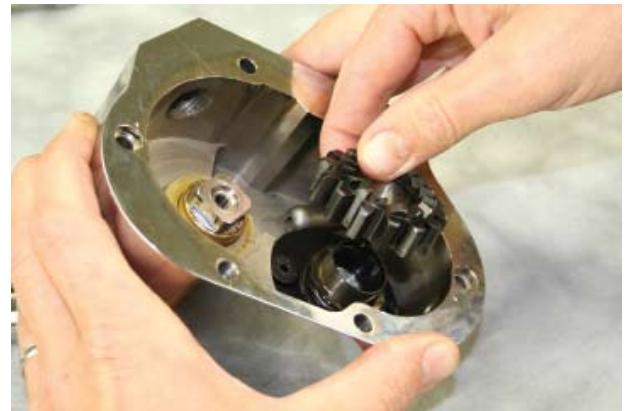
Clutch cable installation requires removal of the crank gear & mainshaft gear from the kicker cover.



Remove the 1/4-20 flathead bolt from the crank gear. Take note of the position of the cover/guide plate that is bolted to the crank gear before removing the gear.



Remove the 2 thrust washers & the center bearing assembly. Note that there is a thin & thick thrust washer. The thin thrust washer will be on the bottom.



Remove the mainshaft gear.



Remove the spring.



Remove the three 1/4-20 flathead bolts from the mainshaft gear guide & then remove the gear guide.



Remove the top portion of the ball & ramp assembly.

Stop: Now would be a good time to pre-grease all bushings, bearings, & ball/ramp assembly.



Verify that the Oring is installed onto your clutch cable then install your clutch cable. Tighten your clutch cable to the kicker cover using a 9/16 wrench. Do not overtighten.



Reassemble in reverse order of disassembly.
Torque all 1/4-20 flathead bolts to 120-140 inch/lbs using red (high strength) threadlocker.



Install the 6 supplied 1-1/4 - 20 bolts using blue (medium strength) loctite & torquing them to 120-140 in/lbs.



Fill transmission with 18-22 fl/oz of transmission fluid before operation.

Instructions for this kit & many other Ultima products are available online at www.ultimaproducts.com

WARNING

Serious injury, death and property damage can result from the improper use, control, alteration, or maintenance of motorcycles. The dealer and dealers customers must exercise good judgement in the use, control, alteration, part selection and installation, and maintenance of motorcycles. Ultima® has no control over the judgement of others and assumes no responsibility or liability of any nature for the failure of others to use good judgement.

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