



## Installation Instructions "EASY-BOY" LITE CLUTCH FOR HARLEY-DAVIDSONS BIG TWINS

### MODEL APPLICATION LIST

- FXST/FLST (all 00-later\*), FLT/FLH (all 00-later\*), FXD (all 00-later\*), FXCW (all 08-11).

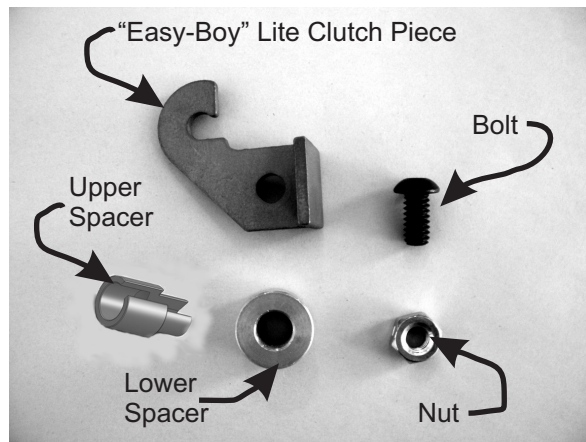
### TOOLS REQUIRED

- 3/16" Allen Socket
- Circlip Pliers
- 1/2" Socket & ratchet
- 1/2" & 9/16" Wrenches
- ft. / lb. Torque wrench

### LIMITED GUARANTEE

We continually inspect and try to improve our products. All parts have been inspected prior to packaging, and our guarantee is limited to replacement of defective parts. This guarantee is in lieu of all guarantees or warranties implied or expressed. Because we cannot control the application of our products, buyer assumes risks for any and all damage caused by himself or third party, by virtue of failure of these parts. We make no warranty as to products distributed by us, expressed or implied, including without limitation any warranties or merchant ability and fitness for a particular purpose. We will however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties. The manufacturer shall solely be responsible for any damage to person or property arising from design, manufacturing and testing of all products, and we accept no liability for such damages. We shall not be liable for indirect or consequential damages.

### PARTS LIST



PART NUMBER

# B17-117

## INSTALLATION INSTRUCTIONS

- Read all the instructions carefully before installing this kit on your motorcycle. Use your Harley-Davidson manual as a reference while installing this kit.
- Loosen or remove the exhaust system as necessary to clear the right transmission cover. Drain the transmission oil.
- Loosen the clutch cable adjuster completely.
- Remove the 6 bolts that hold the transmission cover and remove the cover
- Remove the circlip that retains the ball/ramp mechanism. Lift out the ramp and cable coupling, being careful to catch the three ball bearings. Disconnect the coupling from the clutch cable.
- Unscrew the clutch cable from the transmission cover. Remove the clutch cable O'ring from the transmission cover so that it won't get lost.
- Install the "Easy-Boy" Lite Clutch piece on the ramp piece as illustrated on the right. Be sure that the bolt is tight, **10 to 12 ft. lbs**
- Slide the included spacer onto the end of the clutch cable. Carefully screw the cable end back into the transmission cover. Remember to re-install the O'ring. Snug the cable end in the transmission cover, **3 to 5 ft lbs. Do not over tighten!**
- Hook the cable coupler to the clutch cable end and attach the coupler to the "Easy-Boy" Lite Clutch arm. Install the 3 ball bearings and ramp mechanism into the transmission cover and replace the circlip.
- Replace the transmission cover: be sure to use a new gasket. Tighten the cover screws and refill transmission oil to the correct level.
- **CLUTCH ADJUSTMENT:** Stand the machine upright and remove the clutch inspection cover. Disconnect the cable from the hand lever. Loosen the nut on the adjustment screw. Using an allen wrench, turn the adjustment screw inwards (clockwise) until all the play is removed. Now back the screw out  $\frac{3}{4}$  of a turn. Re-tighten the locknut while holding the screw in place. Re-attach the clutch cable and replace the inspection cover. Remove excess cable play with the cable adjuster. If excess cable play cannot be adjusted out per the adjuster, install the supplied upper spacer on the upper end of the cable near the Lever Perch to take up the difference (see illustration).
- Replace and re-tighten the exhaust system as necessary.

