



Venture Rear Lowering Kit Installation

Revision: 1.2 - 02/22/2010

CAUTION! WARNING!!! Read this before installing these products! The use of these products will lower your motorcycle approximately 1-1/2 inches and reduce suspension travel. The lowering of either front-end, back-end or both causes the motorcycles chassis, footboards, exhaust and other products bolted to any portion of the bike to now be approximately 1-1/2 inches closer to the ground. When turning at both low or high speeds, these items can come in contact with the ground. This contact, should it happen, can cause you some, or all loss of control or may cause damage to the item.

INCLUDED IN THE KIT:

(1) - Caliper Relocation Bracket Stop Arm	(1) - Caliper Relocation Bracket
(1) - Rear Wheel Spacer	(2) - Steel Lowering Brackets

INSTRUCTIONS:

WARNING: This installation requires the lifting of the motorcycle. Serious injury can result from an improperly secured motorcycle. Ensure that the motorcycle is securely supported during this procedure. Barons highly recommends the installation of this product be performed by a qualified Yamaha mechanic.

Note: We strongly recommend the application of Loctite®, or a similar material, on the threads of all bolts.

Secure motorcycle to bike lift and raise the motorcycle so the rear wheel is unweighted. Remove right-side saddle bag. Loosen and remove the two self-locking nuts and flat washers from suspension connecting arm bolts from the left side of the motorcycle per standard Yamaha shop manual procedures.

Slide the connecting arm bolts out from the right side of the motorcycle and replace the stock connecting arms with your new Barons connecting arms. Reinstall the bolts, washers and nuts. Torque the two connecting arm nuts to 35 foot-pounds (48 Nm).

Next is to move the brake caliper to below the swingarm. Remove rear axle per Yamaha shop manual procedures. Remove brake caliper and stock caliper mounting bracket. Install new Barons caliper relocation bracket by sliding axle through stock flat washer, caliper bracket then wheel spacer **IN THAT ORDER**. Continue to slide axle through wheel and install axle nut but do not tighten. Swing caliper relocation bracket up to a parallel position with swingarm. Using stock mounting bolt, install supplied caliper relocation bracket stop arm into location where stock brake caliper mounting bracket bolted to swingarm, making sure the stop arms post fits into locating hole in caliper relocation bracket. Tighten stop arm bolt to factory specs. Tighten rear axle nut to factory specs. Remove brake banjo bolt and fitting from caliper. Rotate banjo fitting 180 degrees, reinstall and bleed brake line with caliper in upright position. Install caliper on new bracket. Lower motorcycle to ground.

It is recommended you adjust shock spring air pressure to a setting that prevents suspension bottoming. An initial setting of 30-40 lbs. air pressure is a good starting point. Refer to owners manual for adjusting shock air pressure.

Our install guides provide a basic outline on the proper installation of our products. Further tuning and/or fitment may be required. Barons bears no responsibility on installation costs associated with this product.
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