

**REAR LOWERING KIT with CALIPER RELOCATION**  
**Yamaha Royal Star**

Revision: 1.3 - 06/28/2010

**CAUTION! WARNING!!!** Read this before installing these products!

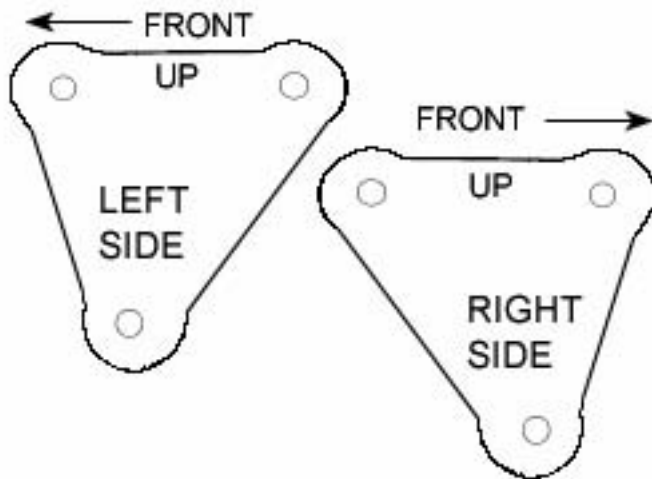
We strongly CAUTION the rider and passenger of a motorcycle that has any combination of the lowering products installed to be aware of the reduction they will cause in the maneuvering of the bike or the damage that could be caused to any of the items referred to above. Baron Custom Accessories accepts no liability for any damages stemming from the use of these products.

**INCLUDED IN THE KIT:**

|  |                       |
|--|-----------------------|
| (2) Black powder-coated triangular Lowering Brackets | (1) M10 split washer  |
| (1) Caliper stay arm                                 | (1) M10 fender washer |
| (1) Zinc bushing                                     | (1) M10 acorn nut     |
| (1) M10 x 40mm button head screw                     |                       |

**INSTRUCTIONS:**

The use of this kit will lower your motorcycle approximately 1-1/2 inches. The lowering of either front, back or both causes the motorcycles chassis, floorboards, 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/all loss of control or may cause damage to the item.



1. Raise rear wheel free of the ground. Place support block under tire (DO NOT allow bikes weight to rest on block).
2. Remove the 3 bolts/nuts on the stock shock triangle brackets (California-model bikes will need to remove mount bolts from charcoal canister and let it hang free to allow access to triangle brackets).
3. Install the new, black powder-coated Lowering Brackets as shown in the diagram above. Once brackets are installed, tighten all mounting bolts/nuts to 36 ft-lbs. (California-models - Reinstall charcoal canister). It is recommended you adjust shock spring preload to max adjustment at this time. Refer to Yamaha shop manual for this procedure.
4. Remove brake line from caliper. Use caution when removing brake line some brake fluid will drip out! Now remove brake caliper from caliper mounting bracket and then remove rear axle.

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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- 5. Remove caliper mounting bracket, then remove rubber cushion on swingarm post (you will reuse this cushion and bracket).**
- 6. Reinstall caliper mount bracket and axle, but do not relocate caliper mount on the swing arm post. Rotate caliper mount down to the 6 o'clock position. Reinstall the caliper.**
- 7. Slide supplied caliper stay arm on to swingarm post, then slip rubber cushion over post and up against stay arm.**
- 8. Insert supplied bushing into caliper mount and connect stay arm to caliper mount using supplied bolt, washers and acorn nut. Tighten securely.**
- 9. Tighten all other bolts/nuts and rear axle to factory specs. Connect brake line and bleed brake system per shop manual procedures. Check for any brake fluid leaks at caliper. Lower motorcycle to ground. Recheck all fasteners after 100 miles of riding.**

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