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Raptor 350 2004-07 Upper mount stabilizer instruction guidelines:

1. This kit requires relocation or elimination of the (2) instrument lights. Most riders know how to use "R" reverse and find "N" neutral without the aid of the lights. Relocation is a fairly easy task because you are working with plastic but does require some drilling. (See relocation of lights at bottom for difficulty factor).
2. This kit is made for the stock steering stem. Other stems can be used if the dimensions for the barclamp keep the stabilizer over the centerline of the steering column. If you're not sure, refer to your Owner's Manual for details.
3. The Raptor 350 and YFZ share similar frame parts and mounting components. Pictured below are some YFZ photos to show how the lights come stock on those models as a reference.
4. Torque specs: 6mm bolts = 6ft.lbs. / 8mm bolts = 14 ft. lbs. Use Loc-tite on all nuts and bolts.
5. Review all the photos first so you get a good idea of how this installation proceeds.
6. Shut the gas petcock off and remove the seat, gas tank and all connecting plastic shrouds.
7. The frame bracket is going to mount on the front side of your stock, steering stem guide shaft bolts.
8. Locate the steering column pillow block (steer shaft guide) and remove the (2) 8mm bolts and star-locking washer.
9. Install the longer 8mm bolts through the pillow block and tighten so the extended ends face the front of the quad.
10. Install (2) of the 8mm flange nuts on the longer pillow block bolts so the flange part of the nut is facing toward the front of the bike and butt the head against the welded nut on the frame. This second nut is serving as a spacer to put the frame bracket in the correct location. The flange portion gives the frame bracket more support.
11. Slide the Frame bracket over the extended bolt ends in the pillow block and against the flange bolts you just installed. You'll need to reshape your cable guides to allow for the frame bracket to go on. The wire cable guide can be bent to any shape that suits your goal, which is to keep the cables out of harm's way.
12. Install the remaining (2) flange nuts to hold the frame bracket in place on the pillow block bolts. Use loc-tite.
13. Remove the plastic barclamp cover and the (4) bolts that hold the handlebars tight. Install the new one-piece barclamp with the part number reading correctly from the rider's position. Keep the gap equal between the upper and lower handlebar clamps.
14. Grease and install the "floating" tower pin into the tower of the frame bracket. Keep it greased and free to float.
15. Install the stabilizer to the barclamp with (2) 6x20mm Allen bolts. The tower pin should be centered in the slot in the link arm. The tower pin height can be adjusted by moving the nylon collar up or down on the tower pin. It can be moved by simply, tapping on the pin. If you need to move the collar downward, flip it over and tap.
16. **Be sure the tower pin does not make contact with the bottom of the stabilizer.**
17. Turn the bars from full left to right and be sure the steering stem flange clears the frame bracket tower post. On some quads you will need to grind a small relief (pictured below) to allow for the flange to clear the post at full lock steering. This can be done with a file if a grinder is not available.
18. See instruction manual for information on "How to" adjust the stabilizer and final mounting alignments.

Relocation of the lights if desired:

- 1) The photos show relocation of the lights on a Suzuki cowling. The concept is the same for the Raptor.
- 2) The stock YZF 450 has the lights located in the front center cowling, a photo is attached to show you that.
- 3) Mark the instrument lights so you know which bulbs go with which lens and unplug the bulbs.
- 4) Using the empty instrument shroud as your guide, mark the front cowling as to where you want the lights. Be sure to allow clearance underneath your selection point for the housings and be sure the wires are going to reach your new location. Drill 5/8" holes for the instrument lights and use a rat tail file or Dremel tool to finish the elliptical shape that matches the lens covers. If you don't have a 5/8" drill you can drill a smaller hole and file it to size. Deburr the excess plastic and sand the edges.
- 5) Instrument light installation: a little WD-40 to the lens, helps them slide into the rubber easier.
- 6) Should you have any questions please feel free to call 818 248-6747, we are here to help you.



Stock Pillow block bolt and nut



Butting the spacer nut against the stocker



The frame bracket mounted in front



Barclamp installed correctly



Possible grinding required here



Finished kit on the YZF to show concept



Relocate the lights to the front shroud like the YZF, or eliminate the lights all together.



Marking and drilling the light relocation holes.