



# AlRider DualControl Brake System for YAMAHA TENERE 700 and Super Tenere INSTALLATION INSTRUCTIONS

The most up to date instructions can be downloaded from the product page at [altrider.com](http://altrider.com), under the instructions tab.

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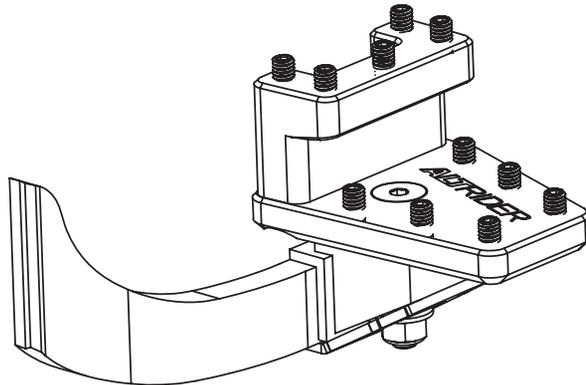
Enjoy it, show it off, and most of all, RIDE IT!

Venture On,  
Jeremy LeBreton



## Yamaha Tenere 700 and Super Tenere DualControl Brake System

Package Contents:  
- Enlarger kit  
- Instructions



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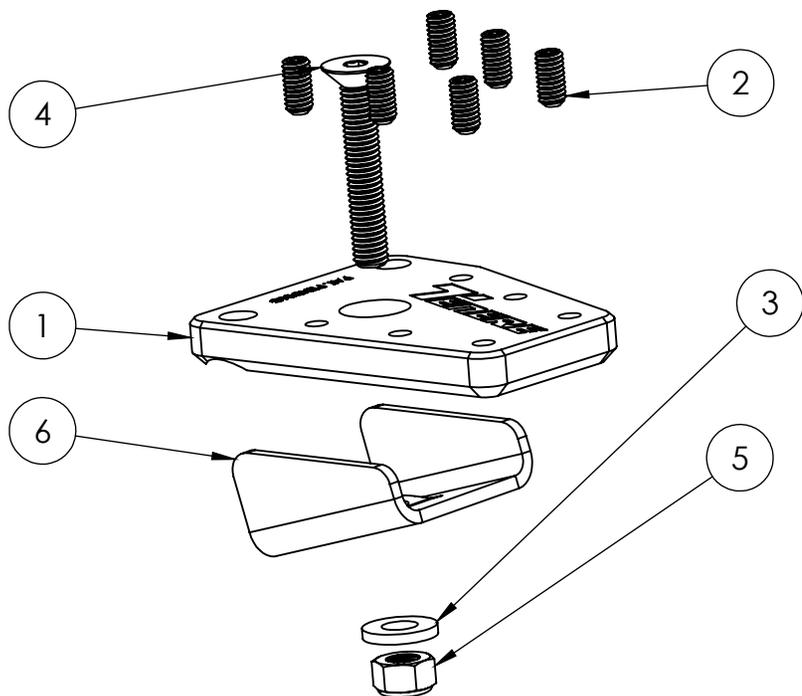
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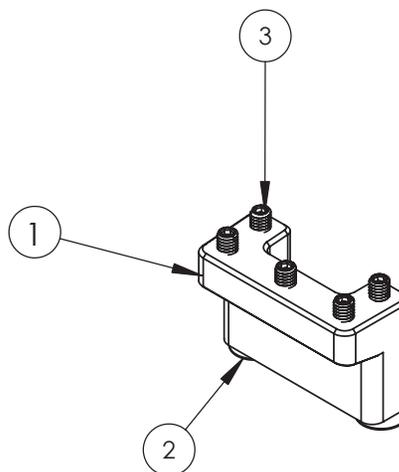
### Enlarger Kit:

- ① Brake Pedal Enlarger
- ② (6) M4 x 8mm long grip pins
- ③ M5 washer
- ④ M5 x 30 flat head screw
- ⑤ M5 Nylock Nut
- ⑥ Steel bottom plate



### Riser Kit (Optional):

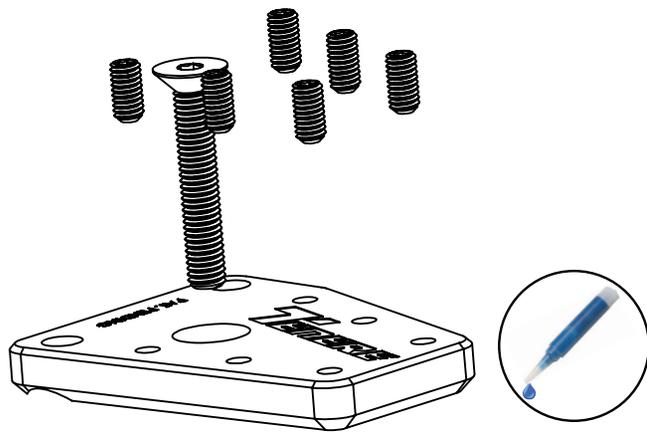
- ① Riser block
- ② (2) M5 x 12 flat head screws
- ③ (5) M4 x 8mm long grip pins



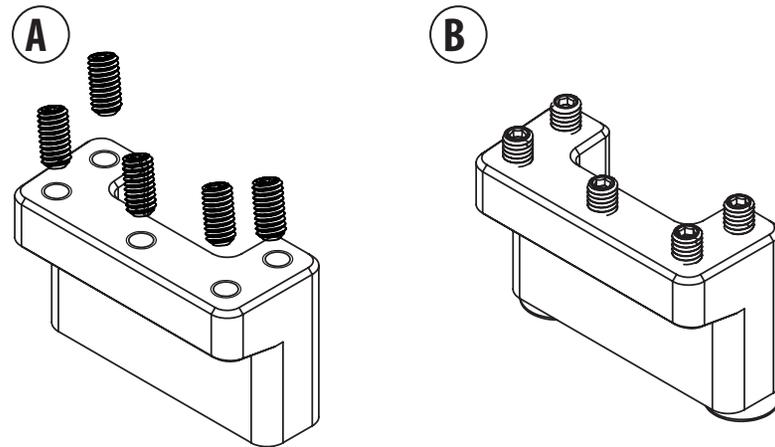
### Installation Tools

- ① 2mm Allen key
- ② 3mm Allen key
- ③ 8mm socket
- ④ Thread locker

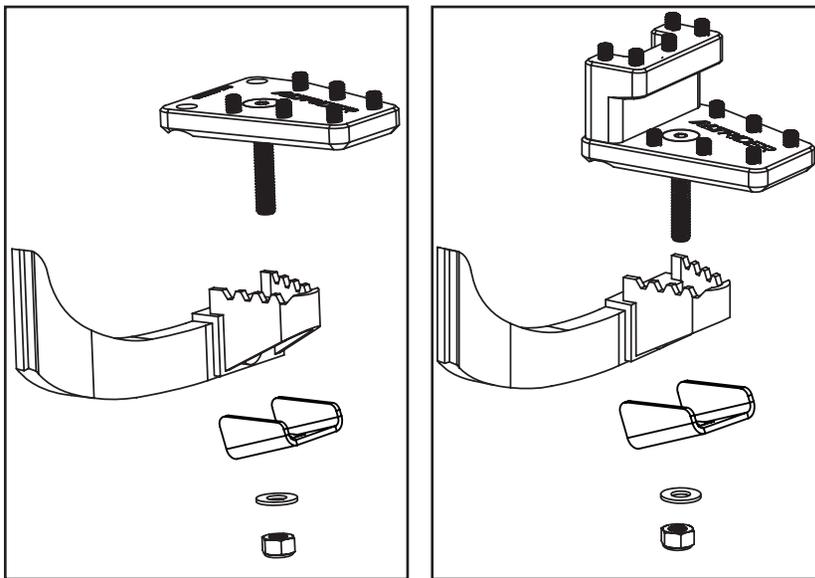




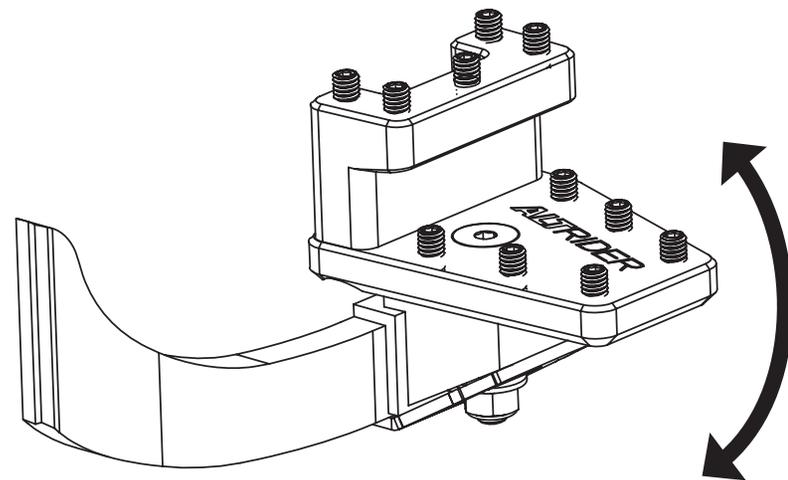
- ① Install M4 x 8mm Grip pins, using 2mm Allen driver. Use a small dot of thread locker on each pin. Total number and placement is up to you. Tighten snug, but be careful not to strip the tool. Insert the M5 x 20mm flathead screw through the enlarger.



- ② If your kit is equipped with the optional Riser, install the grip pins in the riser now. (A) Then apply drop of thread locker to the two M5 x 12mm flat head screws, and attach the riser to the enlarger base (B).



- ③ Place enlarger on brake pedal tip. Use 8mm socket tool to attach steel lower plate with M5 washer and M5 locknut. Tighten to 4.4Nm.

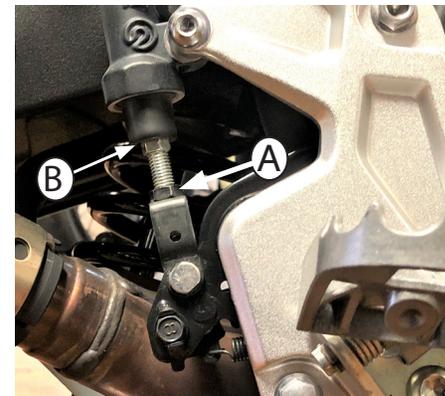
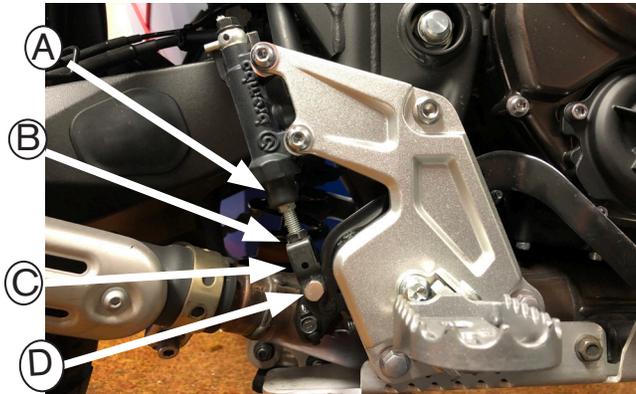


- ④ Check brake pedal movement to be sure there is no interference with other parts of your bike.

## Brake Lever Adjustment to lower height. (optional)

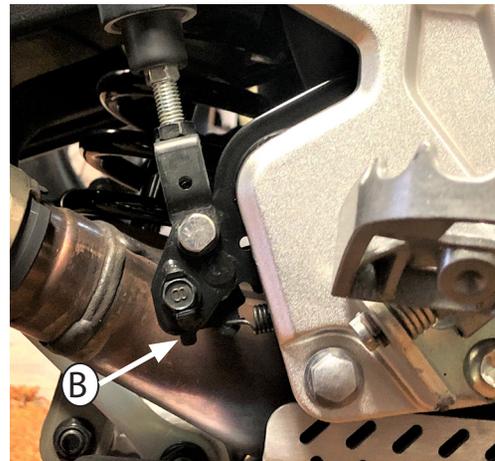
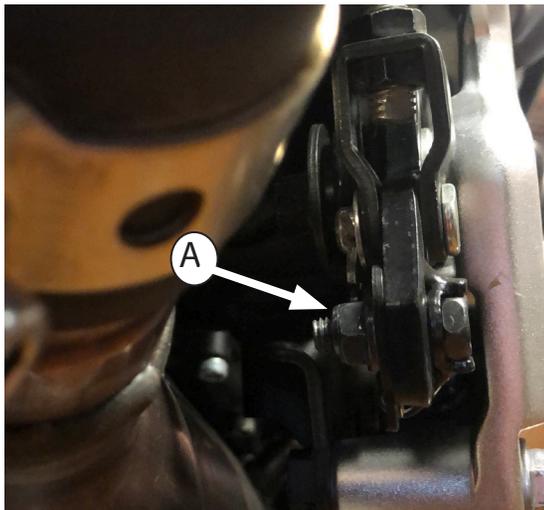
There is a moderate amount of adjustment available from the OEM lever. If you find the dual control now requires the entire lever to move down for better ergonomics, here are the steps to accomplish that fine adjustment.

Begin with your lever adjusted to the correct factory position. It is important that you start with your lever correctly adjusted. Mis-adjustment can cause the caliper to bind prematurely. A certain amount of free play is required because as the brake system heats up the free play is taken up by the expanding materials. Incorrect adjustment can result in significant damage to the brake pads and rotors, and could possibly cause the rear brakes to be permanently squeezed "on", even with no pressure on the lever itself.



- ① Locate the master cylinder and plunger connected to the brake pedal, directly behind the right side foot peg. Note parts: (A) plunger shaft wrench flats. (B) Jam nut. (C) Yoke. (D) Pivot (with hairpin cotter on back end.)

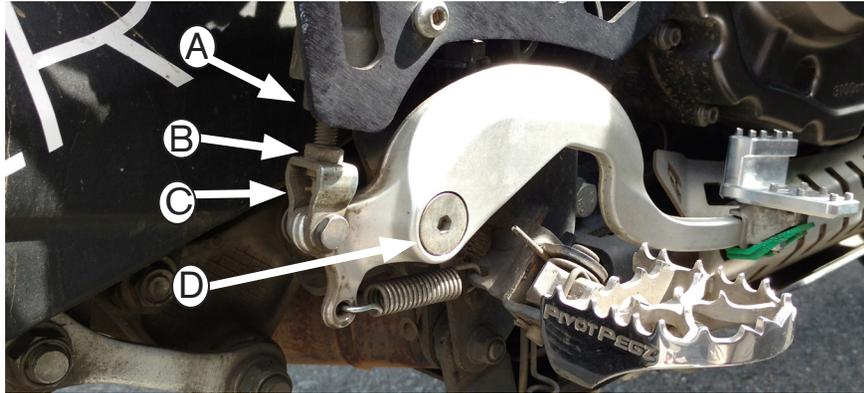
- ② Loosen Locknut (A) with a 12mm spanner and turn the adjusting bolt (B) with a 10mm spanner until the desired height is reached. The adjusting bolt should be visible in the hole on the yoke (C)



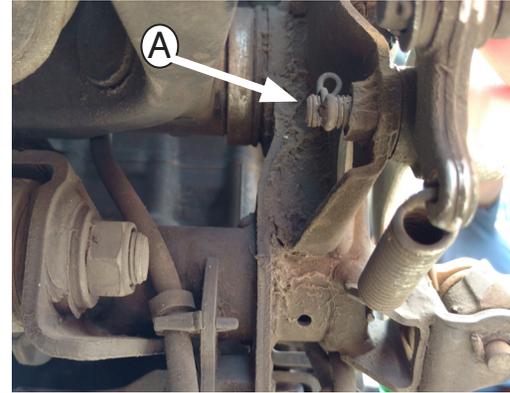
- ③ If the brake light timing needs adjusted after you have repositioned your brake lever height, loosen nut (A) on the back side of the pivot with a 10mm spanner.

- ④ Now turn the bike on so the lights can activate. Adjust the backing plate (B) until the brake light activates within 12-18mm of movement of the brake lever's tip. Tip: This should be a subtle adjustment, Retighten the nut to 12Nm.

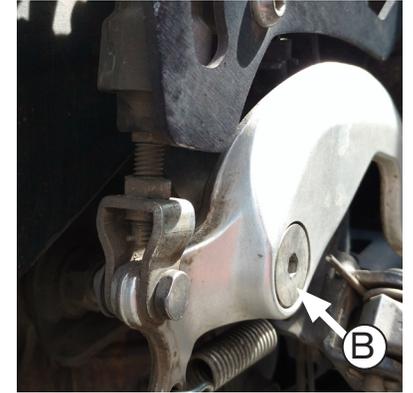
## For Super Tenere XT1200Z Brake Lever adjustment



- ① Locate the master cylinder and plunger connected to the brake pedal, directly behind the right side foot peg. Note parts: (A) plunger shaft wrench flats. (B) Jam nut. (C) Yoke. (D) Pivot (with hairpin cotter on back end.)



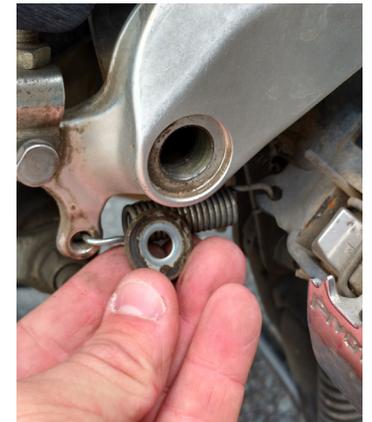
- ② Remove the hairpin cotter pin (A) from the back end of the brake lever pivot (B)

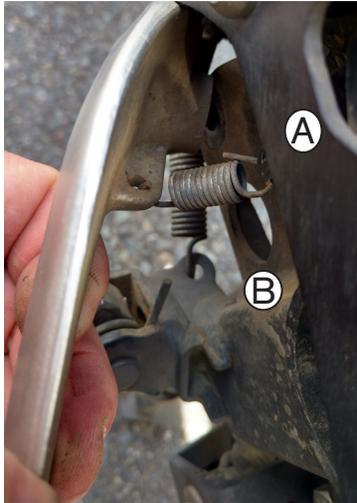


- ④ Use 6mm allen to remove brake lever pivot. Be aware of thrust washer that is behind the lever will drop out. Save for reinstallation.



- ③ Use pliers to remove hairpin cotter from step 2.





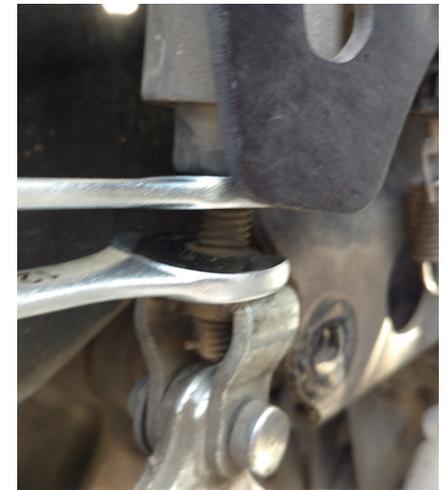
⑤ Detach two springs (A and B) that are attached to the brake lever.



⑥ Use 10mm spanner to hold the master cylinder shaft still. (A)  
Use 12mm spanner to loosen the jam nut that is against the yoke. (B)



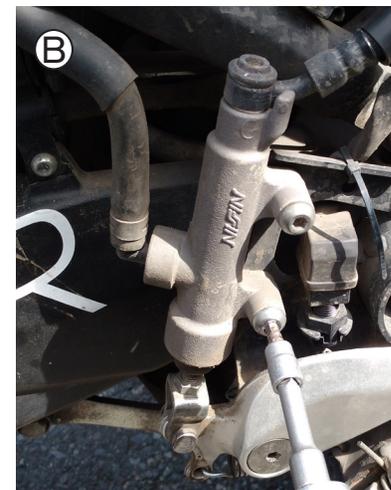
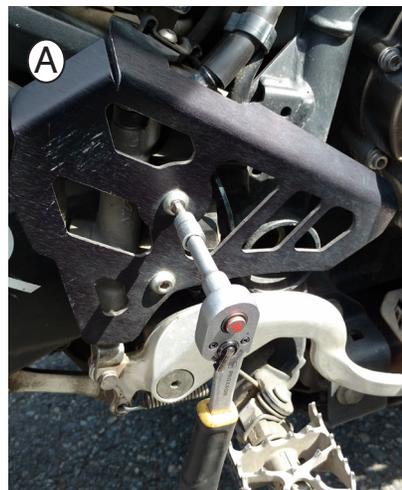
⑦ Hold plunger still (do not rotate). Turn entire brake lever to move the yoke up or down on the shaft. This will set your new lever height. Spinning the yoke up the shaft will move your brake lever tip downwards.



⑧ There is a limit to how much adjustment is available, make sure the plunger tip does not contact the brake lever at the very lowest height setting. Once adjusted to your preference, use the 10mm spanner to hold the shaft still, and use the 12mm spanner to tighten the nut against the yoke.



- ⑤ Hole the thrust washer in place behind the brake lever, and reinsert the brake lever pivot. Screw tight with 6mm allen tool. Reinstall hairpin cotter, be sure small bend tip is secure over end of bolt.



- ⑥ The change in lever height requires adjustment of the rear brake light switch. Remove rear brake master cylinder cover. (A) Reinstall bolts to hold the master cylinder in place. (B)



- ⑦ With 17mm spanner, turn the plastic nut that adjusts the brake light switch height. Hold the switch stationary and gently turn the nut. If you moved your lever tip downward, you will need to turn the nut counter-clockwise to lower the switch to match.



- ⑧ Turn on your key and test the function of your brake lever switch. Once set satisfactorily, reinstall master cylinder cover. Tighten all bolts.

## CONGRATULATIONS!

You've completed your installation. If at any point you have questions about your installation or have any feed back for us, we'd love to hear it. A downloadable version of these instructions can be found at our web site. [www.AltRider.com](http://www.AltRider.com)

After 5 hours or 100 miles of riding, check your newly installed equipment to ensure all hardware is secure.

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