



INSTALL INSTRUCTIONS FOR  
**Variable Ride Height Adjuster**  
 MODEL NO: **SP400 ShockMount**

Thank you for purchasing a Spears Racing Variable Height Adjuster. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE INSTALL REQUIREMENTS, WARNINGS & CAUTIONS. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to  
 Instructions



### 1. SAFETY

- ❑ **WARNING!** Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools and equipment.
- ✖ Refer to the OEM Kawasaki Ninja 400cc Shop Manual for Install and Torque Specs
- ✓ Maintain in good and clean condition for best and safest performance.
- ✓ Keep the work area clean, uncluttered and ensure there is adequate lighting.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the work area.
- ✖ Ensure that the motorcycle is safely positioned and secured.

### 2. INTRODUCTION

The unit will lift your motorcycle ride height to a plus 5mm over stock and rotating the patent insert, you will reach a maximum of 10mm over stock height.

### 3. SPECIFICATION

Model .....SP400 Shock Mount  
 Contents.....2ea Shock mounts  
 .....2ea Variable inserts  
 .....2ea 6mm round head bolts  
 .....2ea Aluminum battery box support brackets

### 4. OPERATION



OEM Brackets



Spears Shock  
 Mount Kit



#1 cover removed



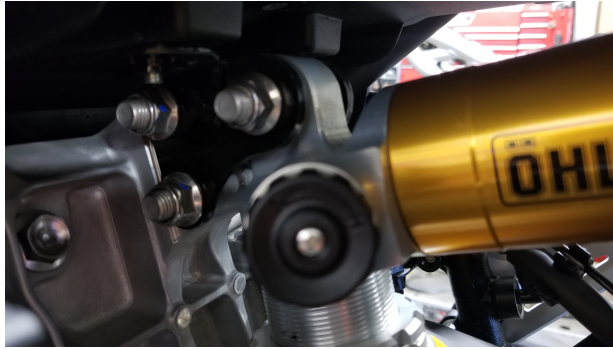
2ea 10mm bolts

fig.1

4.1. **Remove Seat** And you will see the cover over the OEM ECU, remove this cover once it is remove you will ref.#1 picture. Once you have the ECU exposed, it is rubber mounted to the Stock battery tray, gently lift the this unit and you will be able to see the 2ea 10mm headed 6mm bolts (See Picture above) that you need to remove. Once these are removed re-install the ECU, reinstall the seat.

4.1.1.

**REMOVAL OF OEM SHOCK MOUNTS** The motorcycle will need to be supported by a rear stand(Swing arm Spools) at this time you will need to place small floor jack under the engine (**make you you protect the engine by placing something between the engine and the jacks head**) now you can loosen up the 3ea. 12mm shock mount bolts,once they are loose and the nuts are removed you will notice the bolts are still under stress and supporting the bike, slowly start to jack the weight /bike up and at the same time feel that the bolts are starting to free up. You should be able to push each bolt out of its hole and completely remove the OEM shock brackets and now you can install the Spears Racing Shock mount. Remember the new mount is 5mm or 10mm more ride height ,you will need to jack the bike up to align the shock mount hole,alignment.



OEM Stock Kawasaki Mount



Spears Racing Mount

Installing the Battery Box Hold Downs:

4.1.2 After the Spears Racing Shock mount is installed it is time to secure the rear of the battery box,this will not be required by all installations, First you will need to see if you have removed the OEM under tail if not your Motorcycle is done and ready for the test ride if you removed the OEM undertail follow the next section of install.

4.1.3 If you have removed the OEM undertail , you will need to do the following. The OEM undertail was secured by 2(two) bolts located to the rear of the battery box. The kit includes 2 (two) round black headed bolts (Pic 1) you will see in (Pic 2) from the bottom of the battery box tray there is the 2 (two) holes, place the aluminum brackets as pictured in (Pic 3) under the plastic tray and secure them with the provided 6mm bolts, we would advise to use some sort of locking agent (Loctite) once this is completed you will now have a secured battery tray and will be able to feel good about not loosing your battery box on the race track.



Pic 1



Pic 2



Pic 3



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