

ATTENTION

Statements in these instructions that are preceded by the following words are of special significance:

Warning

This means there is the possibility of injury to yourself or others.

Caution

This means there is the possibility of damage to the motorcycle.

Note

Information of particular importance has been placed in italics.

IMPORTANT NOTICE

Note: Please read the following instructions completely before starting installation!

This LED light kit is designed to be installed on Progressive Suspension 412 & 812 Series shocks only. Attempted installation on other than these specific shock absorbers may result in poor performance and void the warranty.

Follow instructions in an authorized shop manual or take the motorcycle to a competent dealer.

The motorcycle must be securely blocked to prevent it from tipping over when the shocks are removed. Failure to do so can cause serious damage and/or injury.

Make sure to follow the specific shock mounting hardware instructions provided below. Failure to do so can result in poor performance of this kit and poor or unsafe performance of the rear suspension.

Warranty

Progressive Suspension Inc. warrants to the original purchaser of this Part to be free of manufacturing defects in materials and workmanship for a period of one (1) year from the date of purchase. In the event warranty service is required, you must call Progressive Suspension immediately with a description of the problem.

If it is deemed necessary for Progressive Suspension to make an evaluation to determine whether the part is defective, a return authorization number will be given by Progressive Suspension. The parts must be packaged properly so as to not cause further damage and returned prepaid to Progressive Suspension with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem. If after the evaluation by Progressive Suspension the part was found to be defective it will be repaired or replaced at no cost to you. If we replace it, we may replace it with a reconditioned one of the same design.

Progressive Suspension shall not be held liable for any consequential or incidental damages resulting from the failure of a Progressive Suspension part. Progressive Suspension shall have no obligation if a part becomes defective as a result of improper installation or abuse.

Warning

When working with motorcycles electrical system, as you will be doing during the installation of this kit, we highly recommend disconnecting the battery cables first.

Installation

1. Place a quality jack or sufficient blocks under the motorcycle to securely lift the rear wheel slightly off the ground.
2. Following the steps in the appropriate shop manual, remove the shocks and note location of mounting hardware. If additional accessories are installed on your motorcycle, please refer to their mounting instructions for removal to gain access to your shocks.
3. If you are installing this kit onto a set of 812 Series shocks, you must remove the original top mounting eye cover from both shocks. Do this by loosening the two Set Screws with the .050" hex key supplied with this kit.
4. Insert two of the provided set screws into the threaded holes in each LED cover.
5. Install the LED eye covers onto each shock with the shock mounting hole centered and aligned with the 1-1/8" diameter hole in the LED cover. Check to make sure the gap in the spring retaining clip is not inline with either of the two set screws. **Photo 1** If it is, simply rotate the clip to relocate.
6. Tighten the set screws to 4 in/lbs to secure the LED covers to the shocks.

7. Noting that there is a Left and Right cover. Make sure you mount these shocks back on the bike so that the majority of the LED lights are facing to the rear. Attach the shocks to the bike using the proper mounting hardware. **Refer to page 3** for proper mounting hardware information. Tighten the mounting bolts to factory torque specifications as listed in your service manual. Install the Domed caps into the 1-1/8" holes by pushing them into place.

8. Locate the rear turn signal wires in the bikes wiring harness, usually under the seat or behind a side panel. Using one of the supplied connectors, attach one of the black wires from each of the supplied female connector to the bikes ground wire. Using two more of the supplied connectors, attach the purple wire from one of the female connectors to the bikes right turn power wire and the purple wire from the other female connector to the bikes left turn power wire. **Photo 2**

9. The wire coming from each LED Cover is complete with a connector that plugs directly into the female connectors installed in step 8 above or the stock Rear Turn Signal.

10. Test your turn signals. If they light up but do not flash, or if they flash normally a few times and then flash quickly, or if the security warning light on the dash comes on, a **Load Equalizer (Photo 4)** must be installed. The two purple wires coming from the Load Equalizer are positive but not specific to the Left or Right turn signal. Splice one purple wire into the Left Turn positive wire and the other into the Right Turn positive wire in the bikes wire harness. Splice the Black wire from the Equalizer into the Ground wire in the bikes wire harness.

11. Secure the Load Equalizer to a frame tube or similar component to help dissipate heat. **DO NOT** secure the Load Equalizer to any heat sensitive components.

Warning

Load equalizers generate heat when in use. Do not operate turn signals for extended periods of time, doing so will cause the equalizer to overheat! DISCONNECT the load equalizer BEFORE using 4 WAY FLASHERS! An overheated load equalizer will cause the signals to malfunction and more importantly may cause a FIRE!

The installation of a load equalizer MUST be upstream of any aftermarket multifunction control module to be used with these LED Covers. Refer to the Control Module instructions for details. Failure to properly install the Load Equalizer poses a fire hazard.



Photo 1

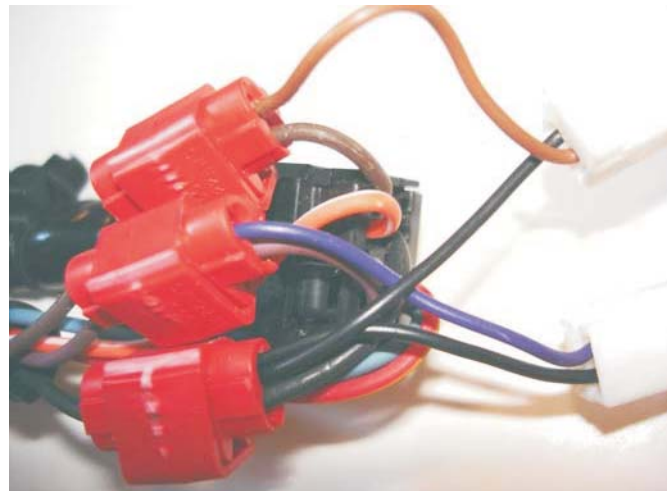


Photo 2



Photo 3

Mounting Hardware Information

The hardware provided with this kit is for the installation of Progressive Suspension 812 Series or 412 Series rear shocks with LED Light Covers on the following Harley Davidson Models: **Photo 5**

91-98 1200/883 Sportsters, All

Use the 3/8" Nylock Nut A and Washer B to secure the top shock mount. Install Washer B between the top shock eye and the Nylock nut A.

99-08 1200/883 Sportsters, All 97-08 FLH / FLT Touring, All

Install a #3 washer between the top shock mounting eye and the shock retaining bolt head.

73-86 FX, FL/FLH (4 Speed) 80-86 FXWG (4 Speed)

Use washer B between the top shock eye and your ORIGINAL shock mounting nut. DO NOT USE NUTA, DAMAGE TO YOUR MOUNTING STUD WILL RESULT.

Caution

Tighten shock mounting hardware to bike manufacturers specifications. Check to ensure that the shock and shock mounting hardware will not interfere with other components during full suspension movement and bike operation.

For enhanced functionality of your new LED Shock Covers, Add a Kuryakyn Run Turn Brake Control Module.

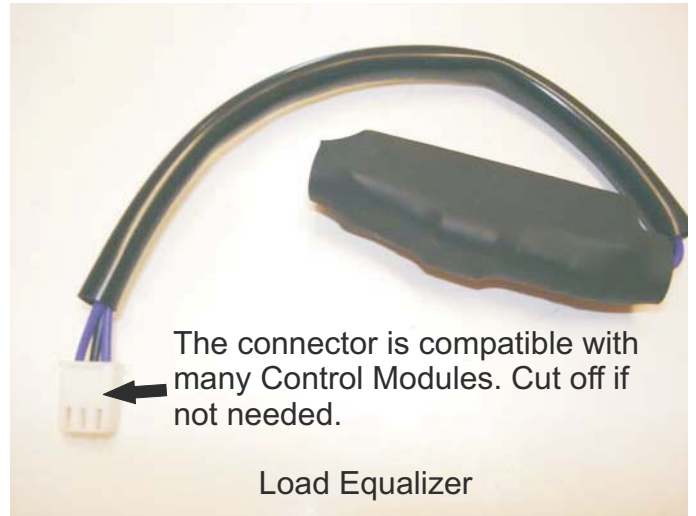


Photo 4

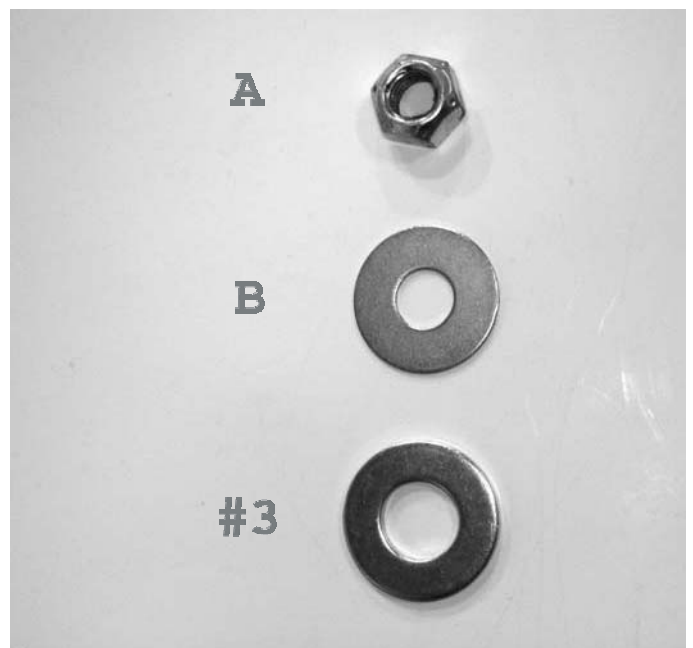


Photo 5