

INSTALLATION INSTRUCTIONS

STILETTO & SLAMMER SHOCK - 2018-Later SOFTAIL

KIT CONTENTS



QTY	DESCRIPTION
1	SHOCK
1	SPANNER WRENCH
1	DECAL SHEET (not shown)
2	WARNING DECALS (Slammer Shock only)

LIMITED GUARANTEE

We continually inspect and try to improve our products. All parts have been inspected prior to packaging, and our guarantee is limited to replacement of defective parts. This guarantee is in lieu of all guarantees or warranties implied or expressed. Because we can not control the application of our products, the buyer assumes risks for any and all damage caused by themselves or any third party, by virtue of failure of these parts. We make no warranty as to products distributed by us, expressed or implied, including without limitation, any warranties or merchant ability and fitness for particular purpose. We will, however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties. The manufacturer shall solely be responsible for any damage to person or property arising from design, manufacturing and testing of all products, and we accept no liability for such damages. We shall not be liable for indirect or consequential damages.

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WARNING

Raising or lowering the rear of your motorcycle will affect the steering and initial ground clearance. If the motorcycle is lower to the ground, care should be taken to avoid bottoming, especially over bumps or in turns. Raising the rear of a motorcycle can change the steering head angle. Always use extreme caution when riding after a change is made and take time to get accustomed to any handling change. 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. The use of a lowering or lift block on Burly Brand shocks is not recommended and may void the warranty or damage the shock/motorcycle. Burly Brand shocks are designed to work on the OEM (Original Equipment) frame and swingarm. Use of these shocks on a frame or swingarm other than OEM may produce an unsatisfactory ride and void the warranty. Make sure that proper bushings/sleeves are installed in the shocks. Improper bushings/sleeves can cause unsatisfactory and/or unsafe operation.

1. First, place a quality jack or sufficient blocks under your motorcycle to securely lift the rear wheel slightly off the ground.
2. Next, using the correct service manual for your bike, remove the old shock and note the location of any mounting hardware. If additional accessories are installed on your motorcycle, please refer to their mounting instructions for removal to gain access to your shock.



3. Before installing your new Burly Brand shock, if the rear fender or tire has been changed to anything other than stock, or if any other parts or accessories have been changed or added that could interfere with rear suspension movement, you need to check for adequate clearance. To check clearance, with no shock installed, lift the rear wheel until you feel resistance to movement or contact between tire/fender, swing arm/battery box, belt guard/frame or any other components. With the rear wheel held in this "Point of Contact" position, measure the distance between the center of the rear shock mount as indicated by the double-ended arrow shown below. This measurement MUST be equal to or less than 10.9"



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4. Install the shock assembly into the motorcycle with the included hardware. Review the photo below regarding the installation of bushings and sleeves in the rod end of the shock. Install the shock with the wider "rod end" toward the rear of the bike. Tighten bolts to their proper torque (rear = 70-75 ft/lbs, rear pinch bolt = 12-15 ft/lbs, & front bolt 80-90 ft/lbs). Reinstall any accessories removed in accord with their mounting instructions. Make sure accessories do not interfere with suspension movement throughout the full range of travel.



Bushings and shouldered sleeves in rod end of shock assembly (pre installed)



5. Set your ride sag. The proper spring pre-load setting will permit the rear suspension to sag, or compress approximately 1/3 of the wheel travel from full extension. To check ride sag, take a measurement from the center of the rear axle, straight up to a vertical point on the rear fender with the shock fully extended (rear wheel slightly off the ground). Then, take a second measurement using the same points with the full weight of the rider(s), including gear & any luggage, on the bike. The difference between the two measurements is the ride sag. Use the right most column in the table on the next page to find the target ride sag based on your shock part #. Too much sag? Increase pre-load. Too little sag? Decrease pre-load.



PRELOAD ADJUSTMENT

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6. Spring pre-load adjustments are made by loosening the jam nut & turning the adjuster nut(using a 3/8" ratchet and supplied spanner wrench). Viewing as shown, turn the adjuster nut clockwise to increase spring preload and counterclockwise to decrease spring preload, using these measurements as your guide. See table and figure below.



Shock Part #	Min. Spring Installed Length* Inches (mm)	Max. Spring Installed Length* Inches(mm)	Target Ride Sag Inches(mm)
B28-1220B	4.9 (124)	5.8 (147)	0.9 (22)
B28-1350B	5.8 (147)	6.3 (160)	1.7 (44)

NOTE: The adjuster is a threaded device, and if you rotate the adjuster beyond the recommended maximum spring length setting, you run the risk of the spring losing contact at full extension of the shock. This can lead to excessive noise and/or component failure. Similarly, if the adjuster is rotated beyond the recommended minimum spring length setting, you run the risk of the spring coil binding before full compression of the shock. This can lead to a harsh ride and/or component failure. ***Min & Max spring lengths must be measured with the shock fully extended (rear wheel slightly off the ground).**

7. Test ride: If excessive bottoming occurs, you need to increase your spring pre-load setting as previously described.
8. Lastly, ride and enjoy...Safely!

Complete your suspension upgrade with a set of Burly Brand Fork Springs Kit!



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