



K66024: Kodlin Lowering-Kit for Harley-Davidson® Milwaukee Eight® Softail Models.

Stock rear shock removal:

NOTE: We recommend the use of Kodlin Compression Tool K66030 for easier installation.

1. Securely raise the motorcycle at the rear section of the frame and jack it up enough that the rear wheel is slightly off the ground.
2. Remove seat, upper frame crossmember and battery side cover (right side).
3. Set preload for rear shock to lowest setting.
4. Unbolt the suspension adjustment knob from the frame (if applicable).
5. Open cable guide and push cables aside.
6. Loosen clamp bolt of the lower shock bolt.
7. Remove upper and lower shock bolts and remove the shock. You may need to raise or lower the bike to provide proper clearance for shock removal.
8. Remove lower shock mount with a shock tool. We suggest using the Kodlin shock compression tool p/n K66030.
9. Carefully compress shock spring until you can get to the locknut next to the shock mount.
Tip: A properly sized deep socket on a long extension helps to hold the shock end while loosening the locknut on the bottom or you can also put that end of the shock in a vise as well.
10. Loosen locknut, unscrew the shock mount, and remove mount and all three plates on top of the spring. You should be removing 4 parts in total as seen in picture. You will need to loosen the compression on the shock spring to remove the washer against the spring. This part is shown on far left in picture.



Kodlin lowering kit assembly and shock installation:

NOTE: All stock bolts must be installed with blue Loctite® (or equivalent medium strength thread locker).

1. Thread the Kodlin lowering mount onto shock shaft.
2. Tighten the lock nut against the shock mount and firmly tighten to lock mount in place.
3. Align both upper and lower shock mounts so mounting holes will line up with the frame.

WARNING: Keep fingers away from pinch points when releasing spring compression. Carefully release compression on the shock spring making sure spring and components are properly seated in place and centered. If not, compress spring until you can realign parts, then release compression again.

4. Remove bearing bushing from removed stock mount.
5. Add grease to the stock shock bearing bushing and O-Rings of the Kodlin mount.
6. Install bearing bushing into the Kodlin mount.

7. Reinstall the shock and the suspension adjustment knob. Torque the upper shock bolt to 80-90 ft/lbs. (108-122Nm), the lower shock bolt 70-75 ft/lbs. (95-100Nm).
8. Tighten the clamp bolt of the lower shock bolt to 12-15 ft/lbs. (16-20Nm).

Note: For FXDRS the stock mounting bolts for lower shock mount may slightly hit the Kodlin mount. If that is the case replace the bolt with a button head version to provide the needed clearance.



9. Install upper frame crossmember, battery side cover and seat.
10. Adjust the rear shock preload. Check "Owner's Manual" for details.
11. Verify that all hardware is securely tightened prior to going on a test ride.

NOTE: No warranty coverage is provided by Kodlin that is due to improper installation or lack of maintenance. Periodic maintenance and inspection are required. It is the installer's responsibility to ensure that all the fasteners are tightened before operation of the motorcycle. We recommend following the Mfg.'s torque specs.

