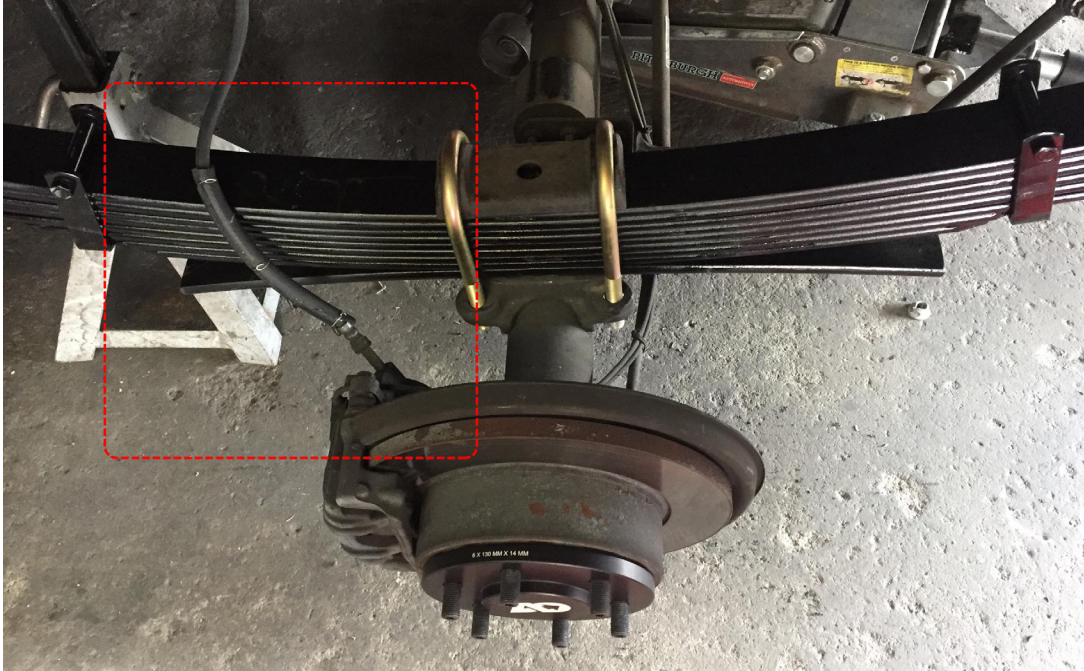


# AGILE OFFROAD

## Sprinter 2500 RIP Rear Spring Installation Guide



1. Lift vehicle and support vehicle with jack stands using factory jack points. Remove the rear wheels.
2. Support the rear axle with floor jacks. Remove the lower shock bolts & disconnect the sway bar links (if applicable). Remove parking brake cable bracket & brake proportioning valve (if applicable) from the axle tube to allow the axle to droop without damaging these components.
3. **Loosen, but do not remove the u-bolt nuts on the passenger side spring. Then, starting on the driver side, remove u-bolts & factory lift block (4x4 only). These items will not be reused. Save the factory upper u-bolt saddle.**
4. Remove the driver-side rear spring with shackle attached.
5. Orientate the new spring with the military wrap forward. The sticker on each spring identifies the forward facing end.
6. Note the orientation of the shackle on the factory spring. Remove the shackle and install it on the rear eyelet of the new spring. Apply red thread-locker on the bolt. The shackle nut & bolt must be torqued in 2-passes. Torque to 51 ft-lbs on the first pass. Tighten the nut & bolt 180° (clockwise) on the final pass.
7. Set the new spring into place, making sure to route the brake line over top of the spring. **2WD Sprinters** will replace the factory brake lines with the supplied longer brake lines. **4x4 Sprinters** use the supplied rubber hose and safety wire to protect the brake line from rubbing on the new spring.

8. Install the front spring bracket bolt and hand-tighten the nut. Do not torque it down yet.
9. Align the centering pin on the bottom of the spring with the indentation on the axle. Use the factory u-bolt saddle and install the supplied new u-bolts and nuts. Apply anti-seize on the u-bolts threads but do not torque them down yet.
10. Install the rear spring bracket bolt and hand-tighten the nut. Do not torque it down yet.
- 11. Repeat steps 4-10 to install the passenger side spring.**
12. Use floor jacks to “lift” the rear axle to simulate the load of the vehicle being on the ground. Torque the u-bolt nuts to 125 ft-lbs.
13. The spring bracket nuts & bolts must be torqued in 2-passes. Apply red thread-locker and torque to 51 ft-lbs on the first pass. Tighten the nut & bolt 180° (clockwise) on the final pass.
14. Reinstall the lower shock nuts & bolts (torque to 75 ft-lbs). Reinstall any removed brake hardware & sway bar links (if applicable). Install rear wheels and torque lugs to 140 ft-lbs. Your installation is complete.

**Be sure to re-torque all of your suspension components after 500 miles.**

