



Limit Strap Kit

Note

Please review the product instructions prior to attempting installation to ensure installer is equipped with all tools and capabilities necessary to complete the product installation. We recommend thoroughly reading the instructions at least twice prior to attempting installation.

Before beginning disassembly of the vehicle, check the "What's Included" section of the instructions to ensure you've received all parts necessary to complete installation. Further, verify that the parts received are PROPER TO YOUR application (year range, motor, etc.) to avoid potential down-time in correcting potential discrepancies. Any discrepancies will be handled by Carli Suspension and the correcting products will be shipped UPS Ground.

Parts Checklist

CS-FLSK-2510 - Ford/RAM Limit Strap Kit, 10" Length

- (Qty. 2) - AP-LIMIT10 - 10" Limit Straps
- (Qty. 2) - LC-LST2 - Limit Strap Tab, Version 2, Bent
- (QTY 4) 1/2" x 1" Bolts
- (QTY 4) 1/2" Top Lock Nuts

CS-FLSK-2512 - Ford/RAM Limit Strap Kit, 12" Length

- (Qty. 2) - AP-LIMIT12- 12" Limit Straps
- (Qty. 2) - LC-LST2 - Limit Strap Tab, Version 2, Bent
- (QTY 4) 1/2" x 1" Bolts
- (QTY 4) 1/2" Top Lock Nuts

CS-FLSK-4515 - Ford/RAM Limit Strap Kit, 15" Length

- (Qty. 2) - AP-LIMIT15 - 15" Limit Straps
- (Qty. 2) - LC-LST2 - Limit Strap Tab, Version 2, Bent
- (QTY 4) 1/2" x 1" Bolts
- (QTY 4) 1/2" Top Lock Nuts



Instructions

1. Raise truck until the front wheels are off the ground
2. Support truck's weight with appropriate Jack-Stands (support the frame, not the axle) and remove the jack.
3. Ensure front axle is at full droop (Until shocks limit downward movement).
4. Removing the wheel/tire.
5. Attach limit strap to the tab on radius arm.
Assembly can be hand tight for now.



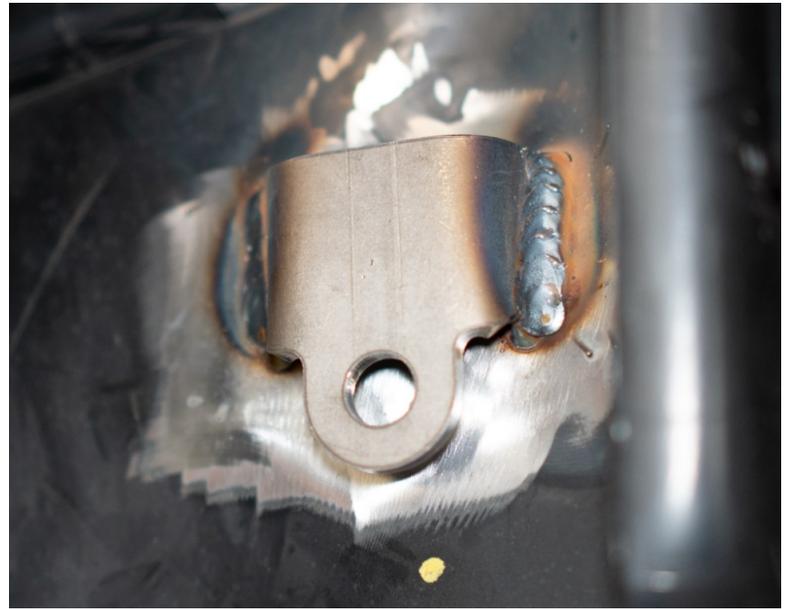
6. Pull the strap up against the frame rail ensuring the strap is parallel to the shock and fully stretched. Make a mark in the center of the hole with the strap pulled tight.
7. Once marked, let limit strap hang.
8. Clean the area above this mark to prepare it for the welding of the limit strap tab.



9. Measure 1" up from the mark you just made on the frame (in line with the path of the limit strap) and make a new mark. *This accounts for the break-in and stretch of the limit strap.*
10. Mock up the tab to the new mark and ensure it will sit flush to the frame. The Super duty has an indent in the frame, the tab can be ground to fit this or the area filled; this is up to the installer.
11. Wrap the shock to protect it from weld splatter and tack weld the upper limit strap tab in place.
12. Ensure it is properly situated with the center of the mounting hole encompassing the upper mark on the frame.



13. Once confirmed, fully weld both sides of the tab.
14. Spray with primer and black paint to prevent corrosion.



15. Use a jack to compress the axle upward 2"-3" and attach the limit strap to the upper tab until mostly tight - you still want it to be able to pivot by hand.
16. Tighten the lower bolt so it's mostly tight but still pivots by hand as well.
17. Ease the jack downward until the strap is fully tensioned. This will hold the strap straight while it's torqued.
18. Torque the upper and lower hardware assemblies to 60 lb/ft..
19. Reinstall the wheel and tire assembly.

