

TRAXDA #222050  
HONDA RIDGELINE 3.5 INSTALLATION  
Call 888-660-5892 or email us at  
[sales@traxda.com](mailto:sales@traxda.com) for help

## FRONT INSTALLATION

1. Use a 2 Post Hoist. This is not a kit to install without professional tools. **WORK SAFELY!**
2. Remove Axle Nut! - Don't skip this step! It makes a difference later! Failure to remove axle nut will cause issues with CV joints during reassembly.



3. Remove brake line mount



4. Remove brake caliper
5. Remove bolt on lower strut to spindle



6. Remove sway bar link



7. Remove tie rod

8. Remove ball joint



9. Remove bolt on passenger side lower control arm and install washer to increase the clearance between the bolt and the axle shaft. **OPTION - grind bolt threads**

down 1/2" while leaving bolt installed.



10. Remove strut mount bolts at top of strut, underneath plastic cover.



11. Remove skid plate at the back of front subframe

12. Remove subframe support bracket bolts

13. Remove motor mount bolts on the passenger side of engine



14. Remove front subframe bolts (do this step, all of them, one at a time),

15. Install round subframe pucks 33.18, using longer bolts supplied with the kit.  
NOTE: The  $\frac{1}{2}$  thick washer in the photo is NO LONGER USED.



- a. Re-install main subframe bolts 2 turns. Allowing the subframe to drop will give you enough space to put the strut back in - it will be 2" longer than

before and you will need extra room



16. Install new bolt on steering shaft - the shallow bolt will prevent rubbing on



chassis.



17. Install steering rack boot over steering shaft, use supplied hose clamps.



18. Remove and re-install airbox mount at back of box. Relocate rubber bushing to beneath airbox mount tab. This will change the angle of the airbox to correct for subframe drop. The back of the airbox should be angled up.



19. With strut removed, install Traxda preload spacer 32.5 using a strut compressor. **DANGER!** Strut compressors have a lot of pressure and can be dangerous! Use a quality strut compressor!

20. Install Traxda strut cap 34.1 onto reassembled strut.



21. Leave camber adjustment loose for now. The arrow on Traxda Strut cap 34.1 faces forward. Right and Left sides of truck use the same part.

### Installation is a reversal of the removal process.

22. Install strut with one nut to hold it in place loosely.

23. Be careful not to cut the CV boot with the edge on bottom of the strut

24. Before prying lower control arm down to install strut into spindle, check to see if you have done "Step 2" and "Step 7". The Axle will need to slide into the spindle a little to make installation easier.

25. Install strut into spindle, using 36" prybar on lower control arm.

26. Once both struts are re-installed, tighten the main subframe bolts

27. Install subframe bracket spacers 33.19 at front corners of subframe. Use supplied bolts.



28. Install subframe bracket spacer 33.20 at rear corners of subframe. Tab with hole in it should be away from the body.

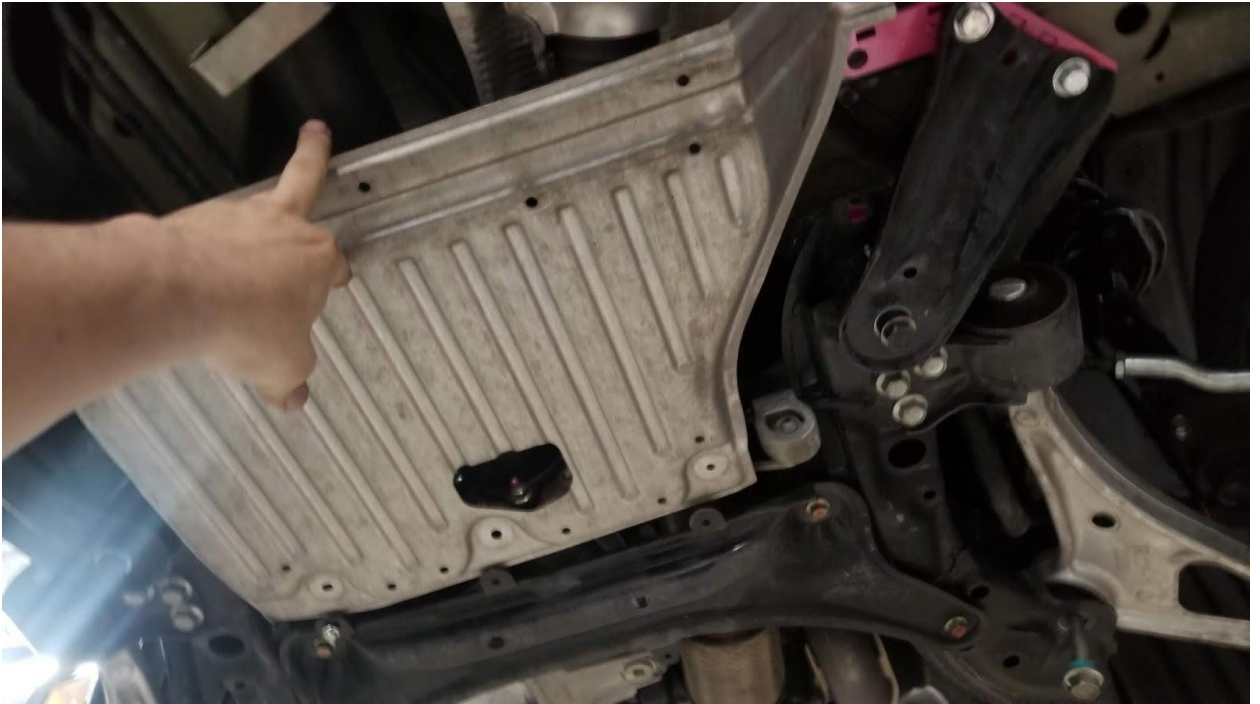




29. Install motor mount spacer 33.24 with supplied longer bolts
30. Install Traxda replacement sway bar link, OEM links do not get used.
31. Re-Install brake caliper
32. Install tie rod, etc. Re-attach anything else that is not attached.
33. Camber will be adjusted and top of Traxda mount tightened during alignment.  
Option to tighten now for test drive.

## DRIVESHAFT AREA

34. Reinstall skid plate, attaching to subframe bracket spacer using supplied bolts.



35. Remove drive shaft hoop, replace with Traxda 33.23 hoop



36. Install drive shaft spacers 33.25 and 33.26 under the steady bearings using supplied bolts. Trim plastic skid plate to fit around bolt.



37. Install skid plate tube frame drop spacers , using supplied bolts.

## REAR INSTALLATION

38. Jack up truck, place jack stands under truck on frame. **WORK SAFELY!**
39. Undo rear upper strut mount bolts
40. Remove brake line support bracket
41. Remove sub frame brackets
42. Install round subframe pucks 33.18, using longer 14mm bolts supplied with the kit, and **½ thick washer.**
- Re-install main subframe bolts 2 turns. Allowing the subframe to drop will give you enough space to put the strut back in - it will be 2" longer than



before and you will need extra room



43. Install split rear spacer.

- a. For smaller plates, use OEM bolts
- b. For larger spacer, use supplied hardware and OEM bolts



- c. Ridgeline rear will mount properly with small gap. Pilot rear will mount properly with no gap.



d.

44. Re-attach brake line bracket

45. Tighten subframe bolts

46. Re-install subframe brackets, using spacers 33.21 at front and 33.22 at rear of subframe and supplied bolts.



## ALIGNMENT SPECS

**Front**

Camber .25 degree +/- .75 degree

Toe -1/16"

**DON'T FORGET TO TIGHTEN CAMBER ADJUSTMENT DURING ALIGNMENT**

**Rear**

Camber 0 degree +/- .75 degree

Adjustable ball joint for rear camber if needed, is available at extra cost from

- Autozone **Duralast Ball Joint FA100199**
- Specialty Products #23450