



4th Gen Toyota Sienna AWD EV Journeys Off Road Lift Kit



Thank you for using Journeys Off Road as your source for suspension and overland products!

Journeys Off Road LLC (JOR) recommends that a certified technician installs these components. In addition to the following instructions, professional knowledge of disassemble/reassembly procedures as well as a follow up inspections and checks. Attempts to install these components with out this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

Please read all instructions before beginning installation. Check the Kit Contents above to ensure you have received all parts. If you have questions or are missing parts please call us at 1-928-925-2360. We would love the opportunity to answer your questions.

Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Check and re-tighten wheels at 50 miles and again at 500 miles. Periodically inspect all hardware for tightness. Be sure you have all necessary tools, parts and a understanding of where they go before beginning installation.



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Kit Contents:

- All necessary hardware
- (2)-Strut Extensions
- (2)-Rear Coil Spring Spacers
- (2)-Shock Relocation Brackets
- (2)-Camber Adjustment Bolts
- (2)-MOOG Sway Bar Links
- (2)-Brake Line Relocation Brackets

Packed By: _____

Date: _____

Product Use Information:

WARNING: As a general rule, a taller a vehicle is the easier it will roll. We strongly recommend that seat belts and shoulder harnesses be worn at all times. Braking performance and capabilities are decreased when significantly larger/heavier tires and wheels are used. Do not add, alter or fabricate ant factory or aftermarket parts which increase height over the intended height of the JOR components purchased. We will not warranty or be responsible for any product that has been altered.

By purchasing any item sold by Journeys Off Road LLC, the buyer expressly warrants that they are in compliance with all applicable, State, and Local laws and regulations regarding the purchase, ownership and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Journeys Off Road LLC, for all claims resulting directly or indirectly from purchase, ownership, or use of the items.

FRONT:



Figure. 1



Figure. 2



Figure. 3



Figure. 4

1. Park your vehicle on a clean flat surface, engage the parking brake and block the rear tires.
2. Jack and support your vehicle using factory specified lift points.
3. Remove front wheels.
4. Remove front sway bar links. (Figure .1)
5. Unbolt front ABS/brake hose bracket from front strut. (Figure. 2)
6. Unbolt ABS sensor from front steering knuckle and position in a safe place out of the way. (Figure. 3)
7. Remove lower strut bolts while carefully supporting lower control arm and steering knuckle to avoid damage to CV axle shaft. (Figure. 4)
8. Remove windshield wiper arms by removing caps at base of arm and unbolting.
9. Carefully remove both fender to cowl side seals, undoing top first then pivoting off lower clip. (Figure. 5)
10. Remove upper windshield cowl plastic by undoing push pins and carefully releasing snap rail off of windshield.



Figure. 5

FRONT:



Figure. 6



Figure. 7



Figure. 8



Figure. 9

11. Remove wiper motor linkage assembly.
12. Unclip wire loom from windshield cowl panel and position in a safe place out of the way.
13. Remove lower windshield cowl panel while making note of the two support bracket locations on the firewall as well as the support brackets underneath the cowl panel that are held in position by the strut mount nuts. (Figure. 6,7,8,9)

14. DO NOT LOOSEN NUT IN CENTER OF STRUT MOUNT. THAT HOLDS YOUR STRUT ASSEMBLY TOGETHER. THE SPRING IS UNDER HIGH PRESSURE. STRUT DISASSEMBLY IS NOT REQUIRED.

15. Remove front struts from vehicle.
16. Install front strut spacers making sure to orientate top of strut/bottom of the spacer offset is pushing inward toward the motor. (Figure. 10)



Figure. 10

FRONT:



17. Reinstall front struts using supplied upper cam bolt in the upper hole and factory bolt in lower hole.
(Figure. 11)

Figure. 11

17. Install new sway bar link that is supplied with the kit.
18. Install lower windshield cowl panel and wiper motor assembly.
19. Install lower windshield cowl panel and wiper motor assembly.
20. When reinstalling upper cowl plastic be sure to take your time evenly snapping it back into the snap rail on the windshield as not to damage it.
21. Reinstall ABS sensor and brake hose bracket to their original locations and torque all fasteners to their factory specifications.
22. Reinstall front wheels and torque to factory specification.

REAR:



Figure. 12



Figure. 13



Figure. 14



Figure. 15

1. On level hard surface jack and support vehicle using factory specified lift points. Be sure vehicle is safely lifted high enough for a rear spring removal.
2. Remove rear wheels.
3. Remove rear brake hose bracket located on top of rear upper control arm. (Figure. 11)
4. While supporting lower control arm remove lower shock bolt.
5. Remove upper shock bracket and shock assembly together.
6. Remove lower bolt from rear sway bar linkage to lower control arm.
7. While supporting lower control arm. Remove bolt from lower control arm to knuckle and carefully lower the arm for rear spring removal. **Make note of spring orientation. Spring is under high pressure use extreme caution when removing.**



Figure. 16

REAR:



Figure. 17



Figure. 18



Figure. 19



Figure. 20

8. Install lower spring isolator onto supplied rear spring spacer using locating hole for orientation. The rear spring spacer will go under the rear spring during installation. (Figure. 17)
9. Install the spacer and spring using locating pin in hole found on the lower control arm for proper orientation. **While compressing spring it will be under high pressure.** (Figure. 18)
10. While jacking lower control arm you may need to use a ratchet strap or similar device to help position to re-insert the lower control arm bolt. (Figure. 19)
11. Inspect and verify coil spring is in correct position once lower control arm bolt is installed.
12. Install rear shock drop bracket to shock assembly. **Take note to only torque nuts to 40 to 45 lb-ft max.** (Figure. 20)
13. Install rear shocks
14. Sway bar linkage into lower control arm
15. Install rear brake hose drop bracket. Torque to factory specifications.
16. Install wheels and torque to factory specifications.