



*Truck and Jeep Accessories*

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## KT09136

### 2013-2018 Toyota RAV4 2" Lift



Bill of Materials		
Part Number	Description	Quantity
M22671	Front Strut Spacer	2
M22672	Rear Subframe Spacer, Front (Round)	2
M22673	Rear Subframe Spacer, Rear (Square)	2
S22674	Front Sway Bar Bracket	2
S22675	Rear ABS Bracket, Driver	1
S22676	Rear ABS Bracket, Passenger	1
BU09136	Hardware	1
-	Stud Extender, M10 X 1.25, Tall	6
-	Nut, Nylon Lock, M10 X 1.25	6
-	Washer, Flat, M10	6
-	Thread Lock	2
HP09138	Hardware	1
-	Bolt, M14 X 1.5 X 120 mm	2
-	Washer, Flat, M14	2
-	Washer, Flat, Oversized, M14	2
-	Bolt, M12 X 1.75 X 45 mm	2
-	Washer, Flat, M12	4
-	Nut, Nylon, M12 X 1.75 mm	2
-	Bolt, 1/4 - 20 X 0.75"	2
-	Washer, Flat, for 1/4" Bolt	4
-	Nut, Nylon, 1/4 - 20	2



#### Required Tools

Floor Jack
Jack Stands
Wheel Chocks
Metric Tool Set

Instructions Sheet INS09136  
 2019 Daystar Products International  
 Version: 00

## Notice

To ensure your safety and proper installation of this product, take a moment to read all instructions and product safety information before trying to install your Daystar® product. If there are any technical questions after reading these instructions, we are here to help. Contact us at 800-595-7659.

Familiarize yourself with all vehicle manufacturer and Daystar warnings, instructions, and limited warranties before driving your modified suspension vehicle. Also, be aware many states / countries have laws governing on- road vehicle heights and modifications. You are responsible for ensuring the safety and legality of your vehicle. A summary of current state vehicle laws is available at [www.sema.org](http://www.sema.org).

### Pre-Installation

1. Inspect all components in the kit and compare to the bill of materials for completeness. If anything is missing or damaged, do not proceed with the installation. Please call Daystar Products (800-595-7659) to replace missing or damaged components free of charge.

### Front Installation

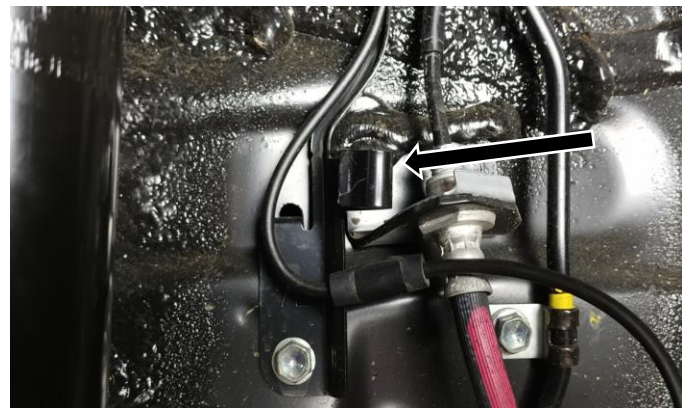
2. Chock rear wheels
3. Lift front of vehicle and support on jack stands where indicated in the factory owner's manual
4. Remove both driver and passenger side front wheels
5. Remove factory sway bar end link from strut on both driver and passenger sides



6. Support front lower control arm / knuckle

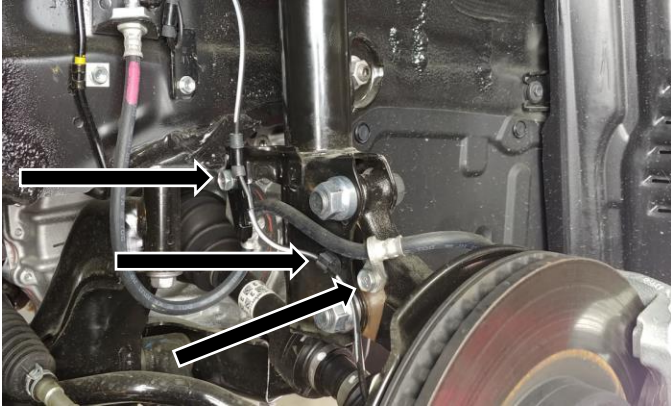


7. Remove ABS wiring harness from bracket at the body





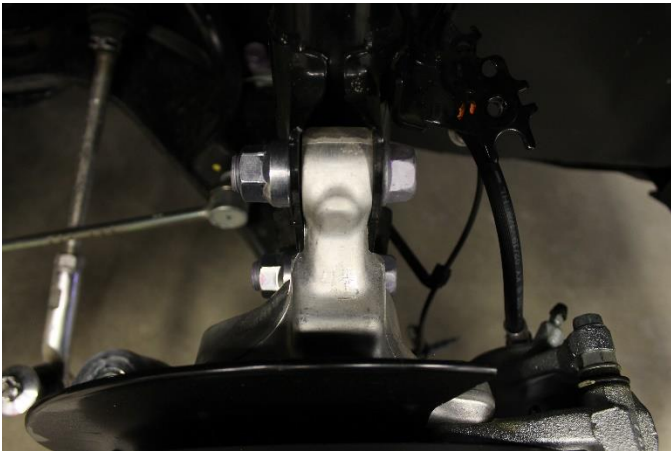
8. Remove / unclip factory brake line / ABS bracket / wiring harness from strut



9. Remove factory outer tie rod from the knuckle



10. Remove the 2 factory lower strut bolts



11. Remove the 3 factory upper strut nuts, located in the engine bay



12. Remove factory strut assembly from vehicle



13. Install provided kit Stud Extenders onto factory strut studs

**Note:** Add provided kit thread lock to factory strut stud threads before installing stud extender



14. Install Daystar Front Strut Spacer to top of factory strut



15. Install strut assembly onto vehicle, align the 3 upper strut stud extension threads to the holes on the vehicle and fasten utilizing the provided kit lock nuts and washers

**Note:** Do not tighten the 3 upper strut nuts at this time

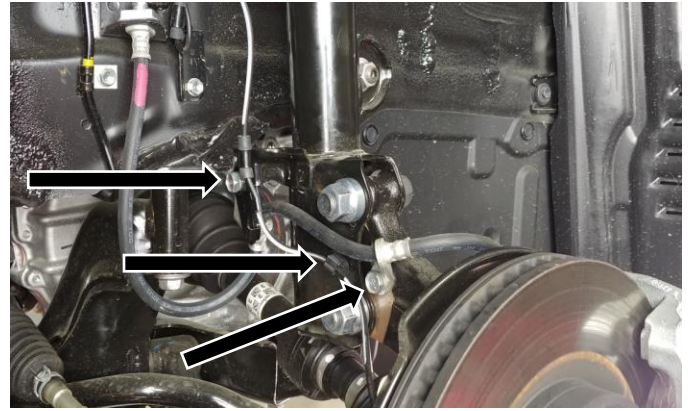




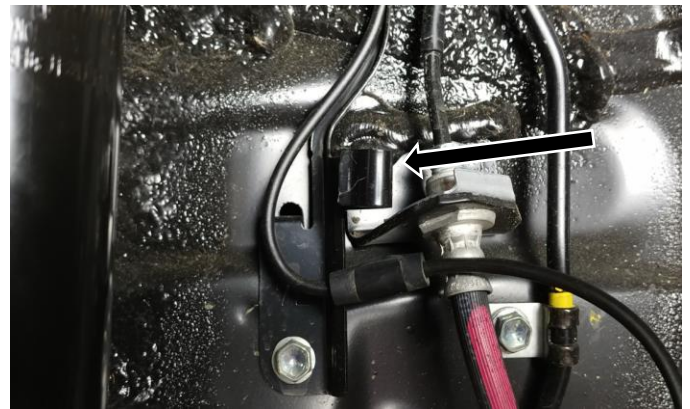
16. Install the 2 factory lower strut bolts



18. Install / clip factory brake line / ABS bracket / wiring harness onto strut



19. Rotate the ABS wiring harness upside down and install onto bracket at the body

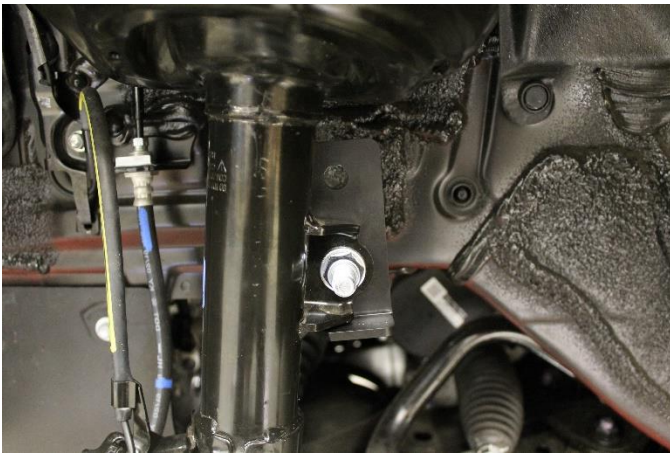


17. Install factory outer tie rod onto the knuckle

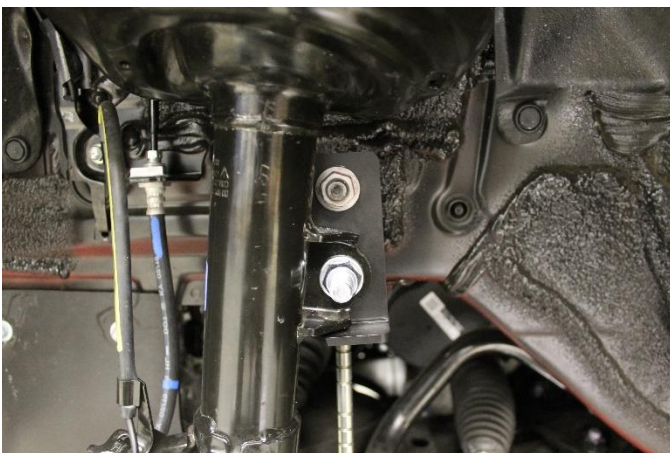




20. Install provided kit sway bar end link bracket onto strut, utilizing provided kit hardware



21. Install factory sway bar end link onto provided kit bracket



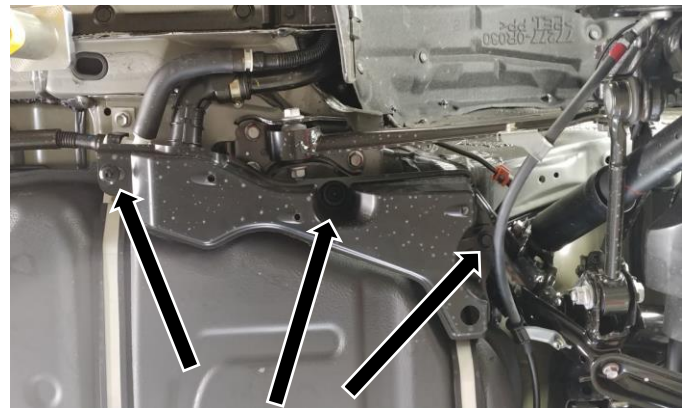
22. Torque the upper strut nuts to 30 ft-lbs  
**Warning:** Do not torque the upper strut nuts more than 30 ft-lbs  
23. Repeat process for opposite side of vehicle  
24. Verify that all nuts and bolts are torqued to proper factory specifications  
25. Reinstall front wheels  
26. Remove jack stands and lower front of vehicle

## Rear Installation

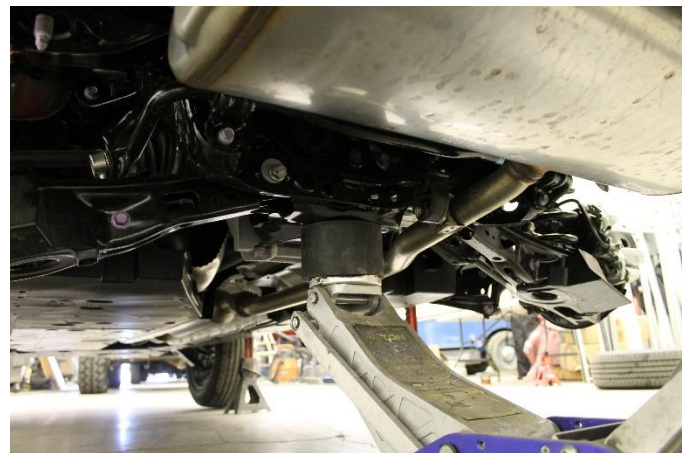
27. Chock front wheels  
28. Lift rear of vehicle and support on jack stands where indicated in the factory owner's manual  
29. Remove both driver and passenger side rear wheels  
30. Complete the following steps for both driver and passenger side simultaneously  
31. Remove factory ABS bracket from vehicle



32. On the driver side, remove the factory fuel filler hose cover held in by 2 factory nuts and 1 factory plastic rivet



33. Support rear subframe / Suspension



34. Remove rear subframe 2 factory front bolts and loosen 2 factory rear nuts

**Note:** Loosen the 2 factory rear nuts to the end of the stud thread but do not remove



35. Daystar rear subframe spacers

- a. M22672: Round, Front
- b. M22673: Square, Rear



36. Lower rear subframe 1 inch, just enough clearance to install provided Daystar rear subframe spacers (round) to the 2 rear subframe front locations, then fasten utilizing the provided kit bolts and washers

**Warning:** Do not lower the rear subframe more than 1 inch; the rear subframe may unalign, fall, or cause damage / harm

**Note:** Do not tighten the 2 rear subframe front bolts at this time

37. Install provided Daystar rear subframe spacer (square) to the 2 rear subframe rear locations, and fasten utilizing the factory nuts

Note: Make sure that the open end of the Daystar rear subframe spacer (square) is facing the wheel

**Note:** Do not tighten the 2 rear subframe front nuts at this time

38. Once all 4 rear subframe mounting location bolts are installed, torque bolts to factory specification

39. Install provided kit brake line bracket onto vehicle, then install factory brake line bracket onto provided kit brake line bracket

40. Verify that all nuts and bolts are torqued to proper factory specifications

41. Reinstall rear wheels

42. Remove jack stands and lower rear of vehicle



### Post-Installation

43. Apply kit label (warning) onto dashboard in plain sight of all vehicle occupants
44. Adjust headlights
45. Check all fasteners to ensure they are torqued to factory specifications
46. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack
47. Check steering and suspension in all positions to ensure that there is no bind and adequate clearance between all moving, fixed and heated members
48. Check operation of the brake system, parking brake, and clutch (if applicable)
49. Check operation of transmission and transfer case
50. Ensure there is full engagement in all gears
51. Have a professional wheel alignment performed after installing the kit  
**Note:** If successful alignment cannot be performed, aftermarket alignment parts may be required. This may vary through the different sub model and year range of the vehicle.
52. Test drive vehicle
53. Retorque all nuts and bolts to factory specifications after 500 miles



**ESTABLISHED IN 1977**



### Thank you for choosing Daystar Products

Daystar recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post instructions checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating of the vehicle.

Please read all the instructions before beginning the installation. Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. If anything is missing, do not proceed with the installation, Call Daystar Products to obtain needed items.

### Product Use Information

Generally, the taller a vehicle is the easier it will roll. We strongly recommend, because of rollover possibility, that seat belts and shoulder harness be worn at all times. Avoid situations where a side rollover may occur.

Braking performance and capabilities are decreased when significantly large/heavier tires and wheels are used. Take this into consideration while driving. Also, speedometer recalibration is necessary when larger tires are installed.

Do not add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Daystar Product purchased. Mixing component brands, lifts, and/or combining body lift with suspension lift voids all warranties. Daystar makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any products that is altered.

### Notice to Dealer and Vehicle Owner

Any vehicle equipped with any Daystar Product must have the "Warning to driver" decal installed on the sun visor or dash. The decal is to act a constant reminder for whoever is operating the vehicle of its unique handling characteristics. **INSTALLING DEALER**— It is your responsibility to install the warning decal and forward these instructions on to the vehicle owner for review and to be kept in the vehicle for service life.

After installation occurs, a qualified alignment facility is required to align the vehicle to factory specs.

### WARNING

This vehicle has been modified to enhance its performance. The steering, braking and handling of this vehicle will differ from standard passenger cars and trucks. This vehicle handles differently from an ordinary vehicle in driving conditions which may occur on streets, highways and off road. Avoid unnecessary abrupt maneuvers, sudden stops, sharp turns and other driving conditions that could cause loss of control, possibly leading to a roll over or other accident that could result in serious injury or death to driver and passengers. If larger tires are installed the speedometer will read lower than the vehicles actual speed.

**DRIVE WITH CARE, REDUCE SPEED AND WEAR SEAT BELTS AT ALL TIMES**