



Truck and Jeep Accessories

www.Daystarweb.com
 Tech Support Contact Info
Tech@DaystarWeb.com
 Phone: 623.907.0081
 Fax: 623.907.0088
 841 South 71st Avenue
 Phoenix, AZ 85043

KT09138

2019 to Current Toyota RAV4 2" Lift



Bill of Materials		
Part Number	Description	Quantity
M22751	Front Strut Spacer	2
M22752	Rear Coil Spring Spacer	2
M22753	Rear Subframe Spacer	4
S22674	Front Sway Bar Link Bracket	2
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, M16 X 1.5 X 150 mm	4
	- Washer, Flat, M16	4
	- Washer, Flat, Oversized, M16	4
	- Bolt, M12 X 1.75 X 45 mm	2
	- Washer, Flat, M12	4
	- Nut, Nylon, M12 X 1.75 mm	2

Required Tools
Floor Jack
Jack Stands
Wheel Chocks
Metric Tool Set

Instructions Sheet INS09138
 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.

Pre-Installation

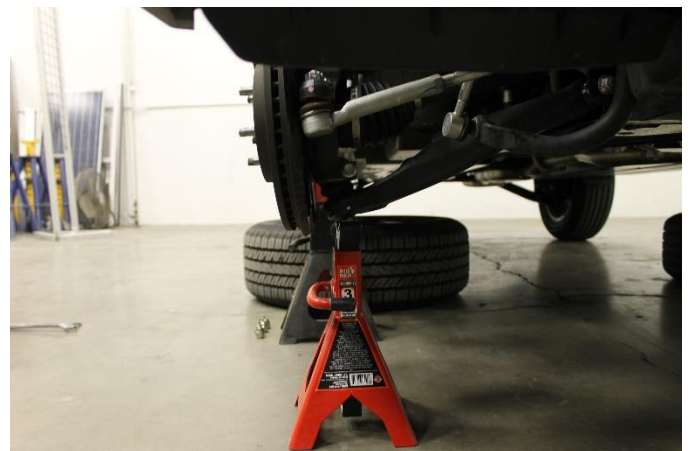
1. Inspect all components in the kit and compare to the bill of materials for completeness. If anything is missing or damaged, do not proceed with the installation. Please call Daystar Products (800-595-7659) to replace missing or damaged components free of charge.

Front Installation

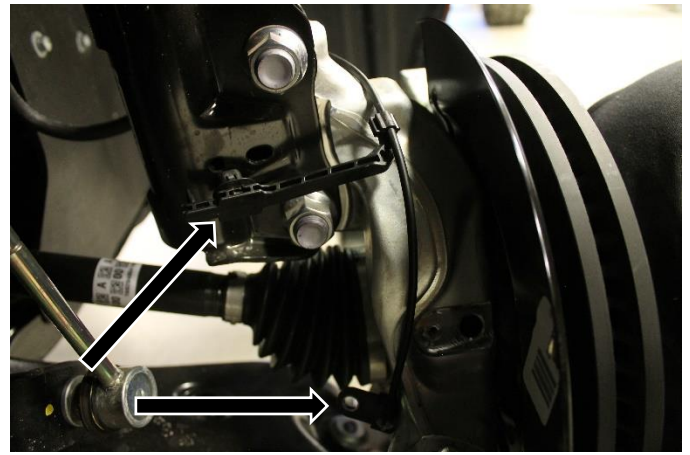
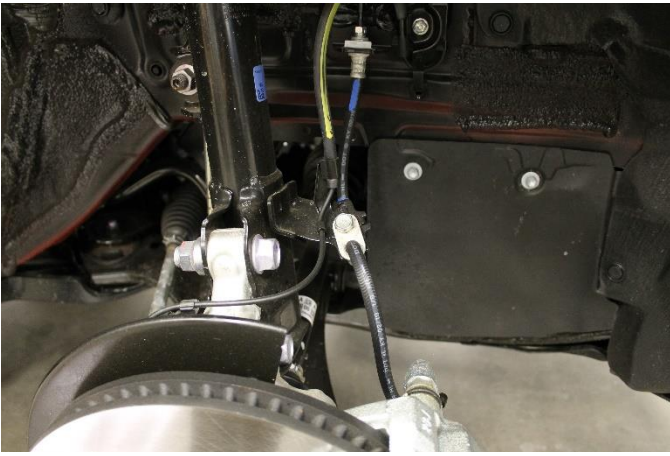
2. Chock rear wheels
3. Lift front of vehicle and support on jack stands where indicated in the factory owner's manual
4. Remove both driver and passenger side front wheels
5. Remove factory sway bar end link from strut on both driver and passenger sides



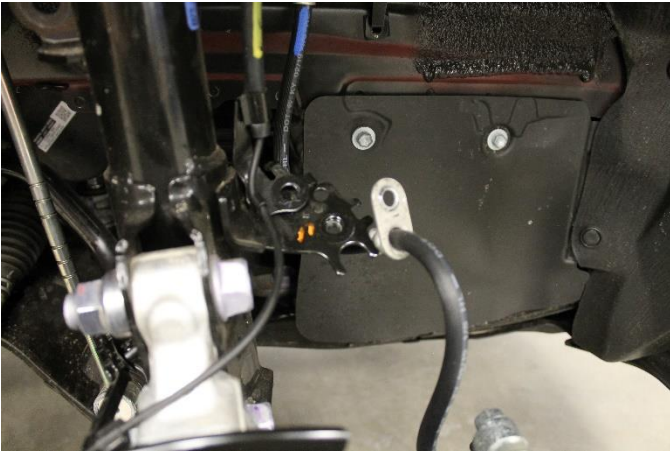
6. Support front lower control arm / knuckle



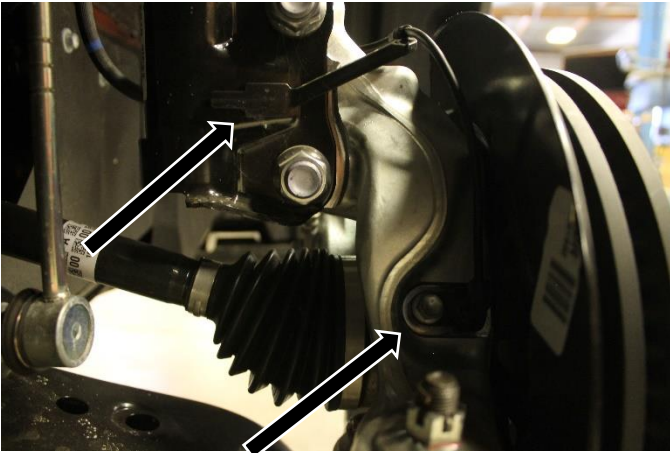
7. Remove factory brake line / ABS brackets from strut



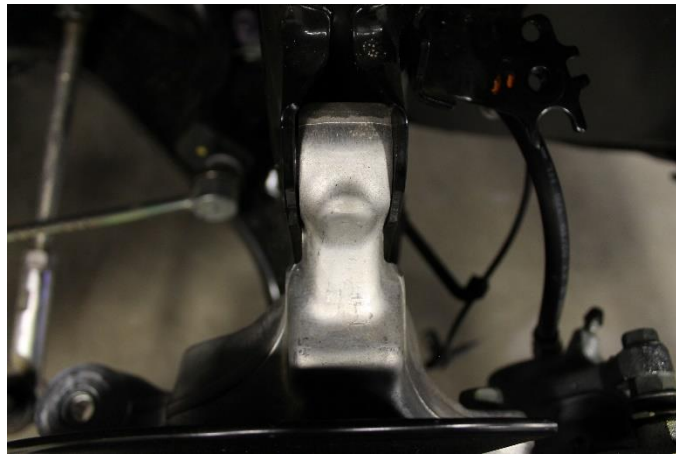
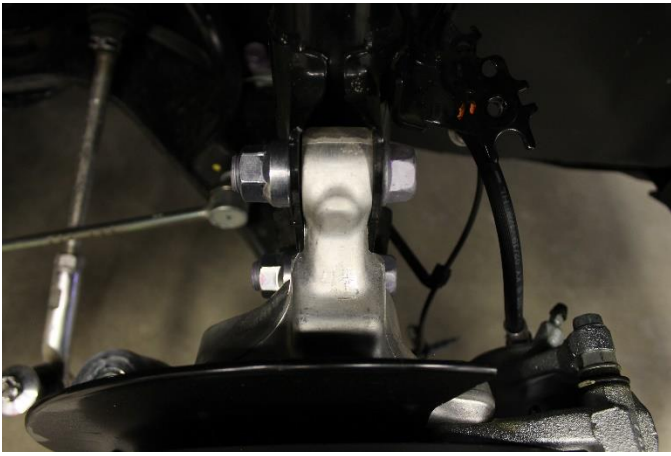
9. Remove factory outer tie rod from the knuckle



8. Remove / Unclip factory ABS wire harness from strut, and remove factory ABS Sensor from 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

Note: Make sure that the part number on the spacer is aligned with the notch on the strut hat and the hole on the strut assembly

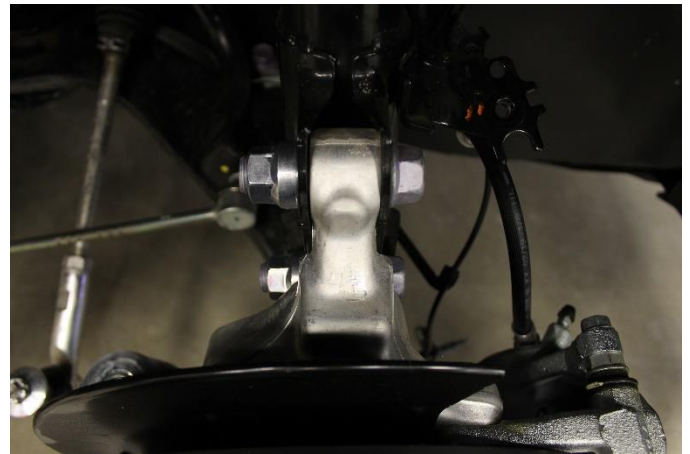


15. Install strut assembly onto vehicle, align the 3 upper strut stud extension threads to the holes on the vehicle and fasten utilizing the provided kit lock nuts and washers

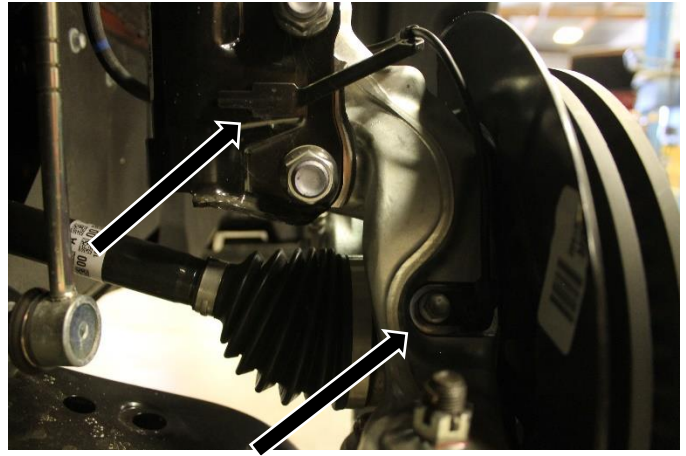
Note: Do not tighten the 3 upper strut nuts at this time



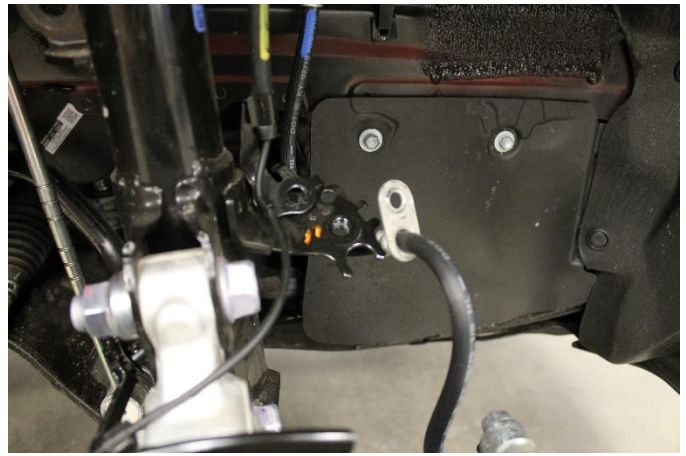
16. Install the 2 factory lower strut bolts



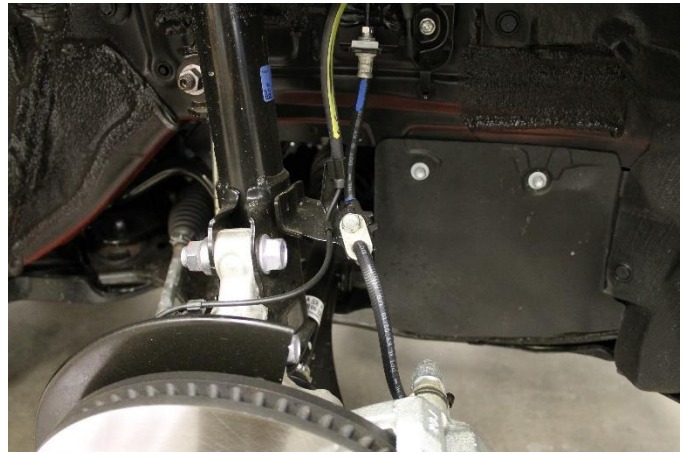
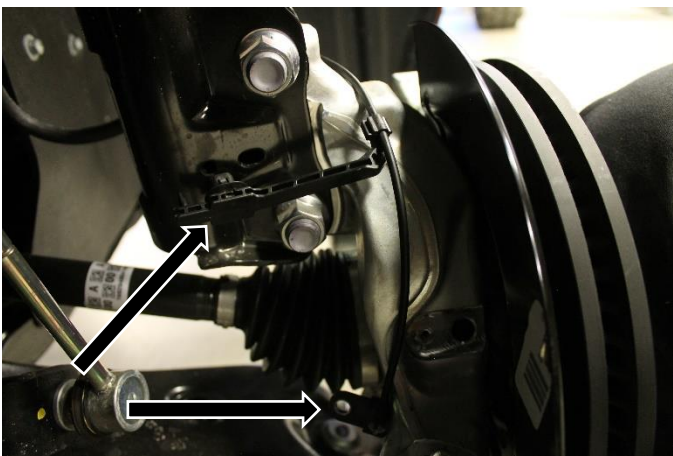
17. Install factory outer tie rod onto the knuckle



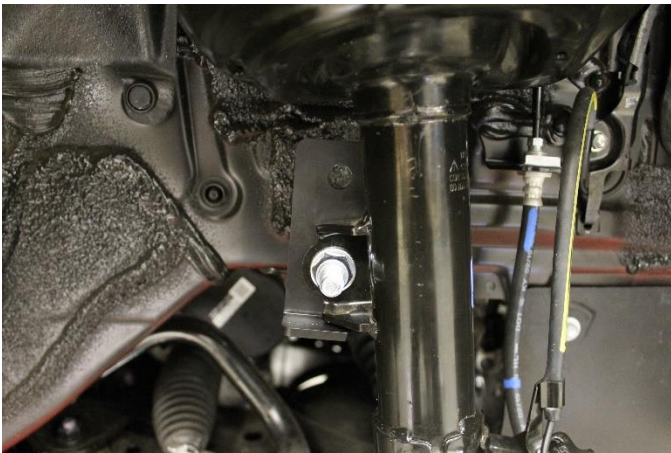
19. install factory brake line / ABS brackets onto strut



18. install / clip factory ABS wire harness onto strut, and install factory ABS Sensor onto 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



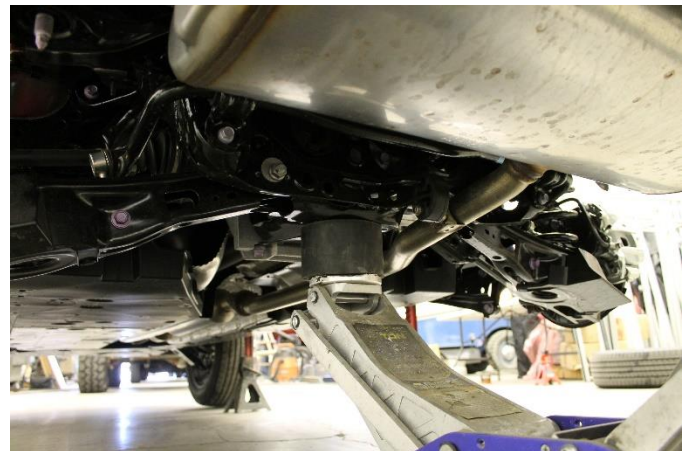
22. Torque the upper strut nuts to 30 ft-lbs
Warning: Do not torque the upper strut nuts more than 30 ft-lbs
23. Repeat process for opposite side of vehicle
24. Verify that all nuts and bolts are torqued to proper factory specifications
25. Reinstall front wheels
26. Remove jack stands and lower front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



32. Support rear subframe / Suspension



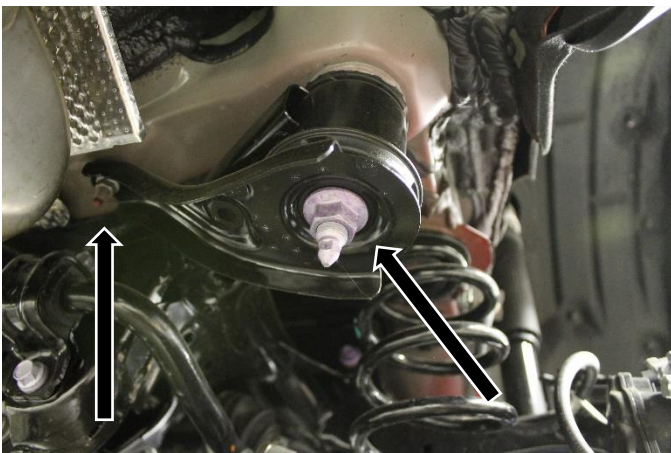
33. Remove rear subframe 2 front bolts and 2 rear nuts

Note: If equipped, remove the nut fastening the rear subframe rear dust shield



35. One side at a time; remove rear subframe rear stud, install provided Daystar rear subframe spacer, and fasten utilizing the provided kit bolts and washers and the factory dust shield

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



34. Lower rear subframe 1 inch, just enough clearance to install provided Daystar rear subframe spacers to the 2 rear subframe front locations, then fasten utilizing the provided kit bolts and washers and the factory dust shield

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

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

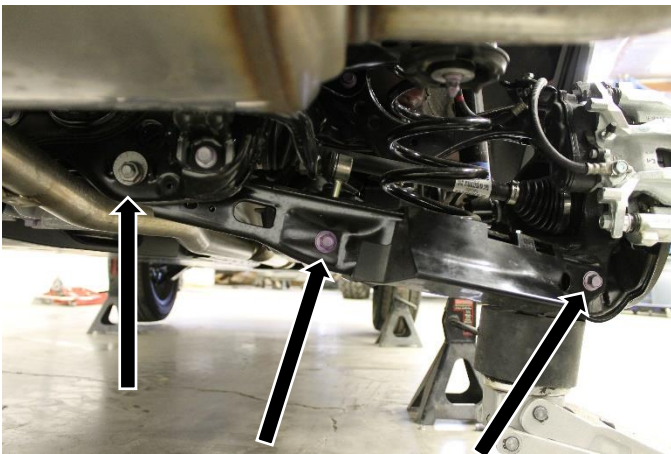


36. Once all 4 rear subframe mounting location bolts are installed, torque bolts to factory specification

37. Support lower control arm



38. Loosen the lower control arm cam bolt at the subframe, remove the sway bar link from the lower control arm, and remove the lower control arm bolt at the knuckle



39. Slowly lower the lower control arm to relieve compression on the spring, once the spring is completely decompressed, remove the coil spring assembly from the vehicle

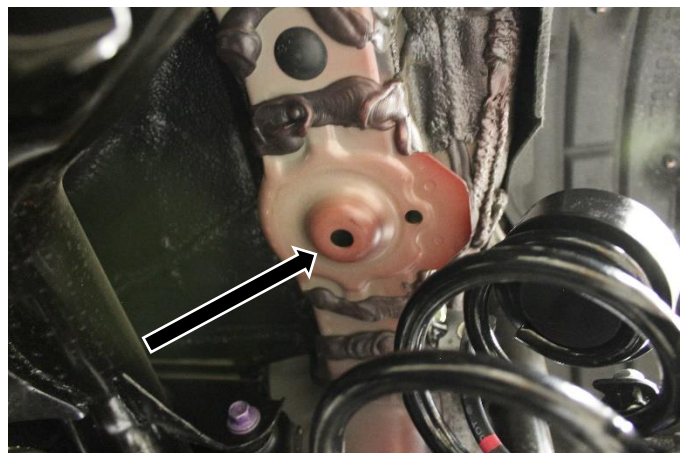
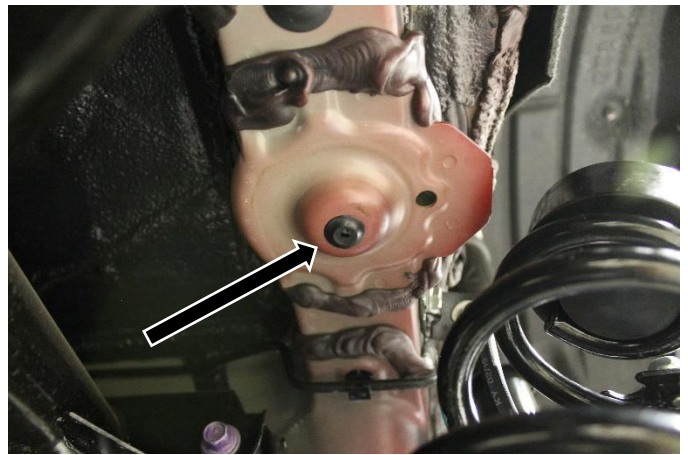
Warning: Use extreme caution when lowering the lower control arm, the spring is under much stress and could eject out causing damage / harm



40. Remove factory coil spring isolator, then install provided Daystar rear coil spring spacer



41. Remove the grommet covering the center hole of the spring seat at the body



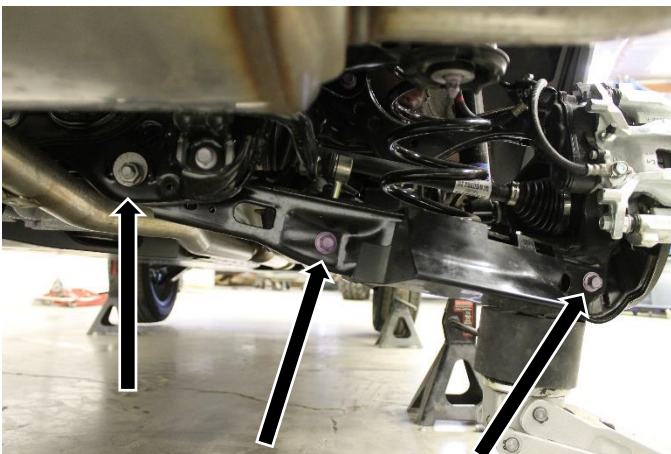
42. Install coil spring assembly onto vehicle, then slowly lift the lower control arm until the holes on the lower control arm and the knuckle align

Note: Make sure the guide pin on the spacer aligns with the center hole of the spring seat at the body

Warning: Use extreme caution when lifting the lower control arm, the spring is under much stress and could eject out causing damage / harm



43. Install the lower control arm bolt at the knuckle, install the sway bar link to the lower control arm, and torque the lower control arm cam bolt at the subframe to factory specifications



44. Install factory brake line bracket onto knuckle



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

46. Reinstall rear wheels

47. Remove jack stands and lower rear of vehicle

Post-Installation

48. Apply kit label (warning) onto dashboard in plain sight of all vehicle occupants
49. Adjust headlights
50. Check all fasteners to ensure they are torqued to factory specifications
51. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack
52. Check steering and suspension in all positions to ensure that there is no bind and adequate clearance between all moving, fixed and heated members
53. Check operation of the brake system, parking brake, and clutch (if applicable)
54. Check operation of transmission and transfer case
55. Ensure there is full engagement in all gears
56. 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.
57. Test drive vehicle
58. 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