

KS09102

2018 and Up Subaru Crosstrek 2" Lift



Bill of Materials		
Part Number	Description	Quantity
M22615	Front Strut Space	2
M22617	Rear Strut Spacer	2
S22618	Sway Bar End Link Bracket	2
HP09102	Hardware Pack	1
-	Flange Bolt, M12 X 1.75 X 30mm	2
-	Nut, Nylon Lock, M12 X 1.75	2
-	Washer, Flat, M12	2
-	Spacer, Washer, M12	2
-	Stud Extender, M10 X 1.25, Tall	6
-	Stud Extender, M10 X 1.25, Short	4
-	Nut, Nylon Lock, M10 X 1.25	10
-	Washer, Flat, M10	10
-	Thread Lock	2



Required Tools

Floor Jack
Jack Stands
Wheel Chocks
Metric Tool Set

Instructions Sheet INS09102
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.

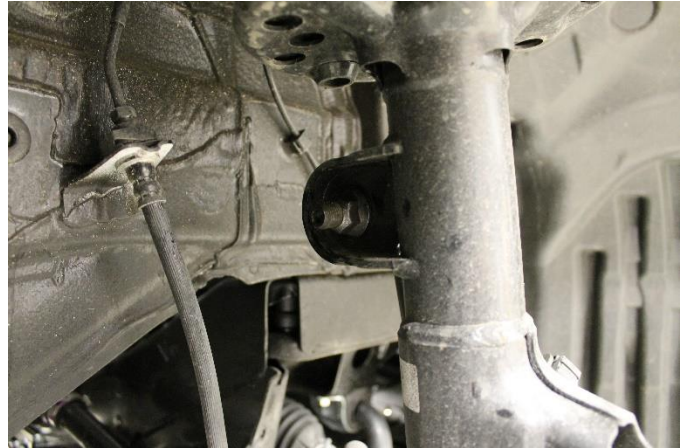
Familiarize yourself with all vehicle manufacturer and Daystar warnings, instructions, and limited warranties before driving your modified suspension vehicle. Also, be aware many states / countries have laws governing on- road vehicle heights and modifications. You are responsible for ensuring the safety 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

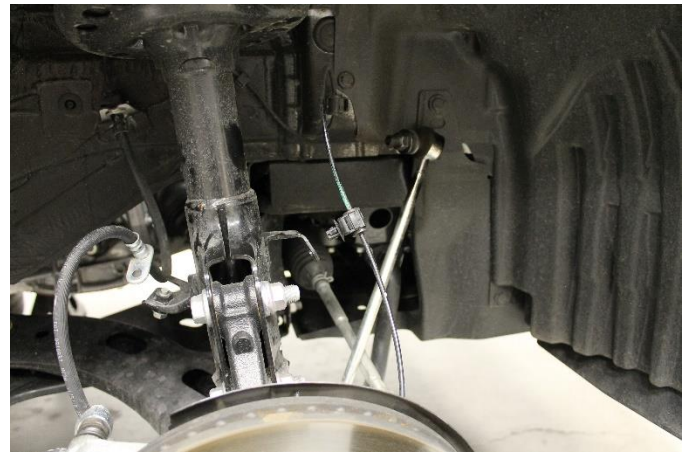
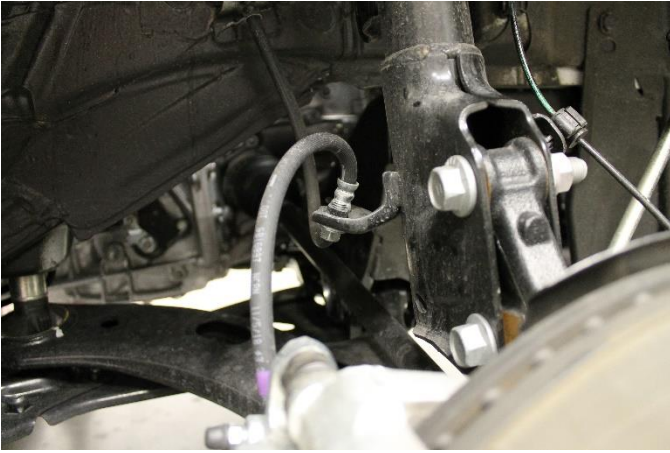
2. Chock rear wheels
3. Lift front of vehicle and support on jack stands where indicated in the factory owner's manual
4. Remove both driver and passenger side front wheels
5. Remove factory sway bar end link from strut on both driver and passenger sides



6. Support front lower control arm / knuckle

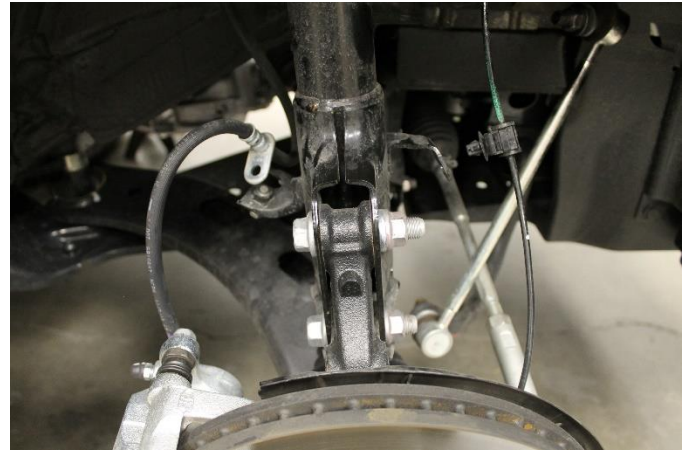
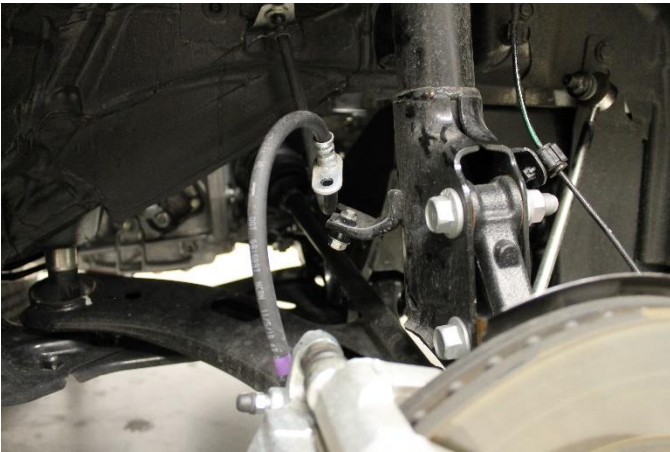


7. Remove factory brake line bracket from strut



9. Remove the 2 factory lower strut bolts

Note: Top lower strut bolt is a cam bolt, bottom lower strut bolt is a standard bolt



8. Remove / Unclip factory ABS wire harness from strut



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



11. Remove factory strut assembly from vehicle

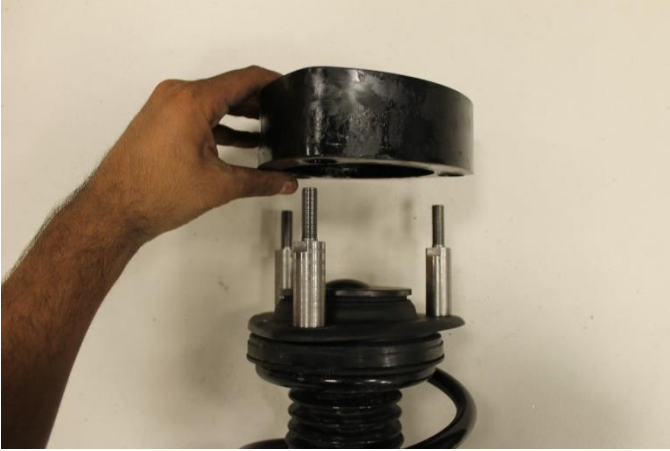


12. Install provided kit long Stud Extenders onto factory strut studs

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



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



14. Install strut assembly onto vehicle



15. 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



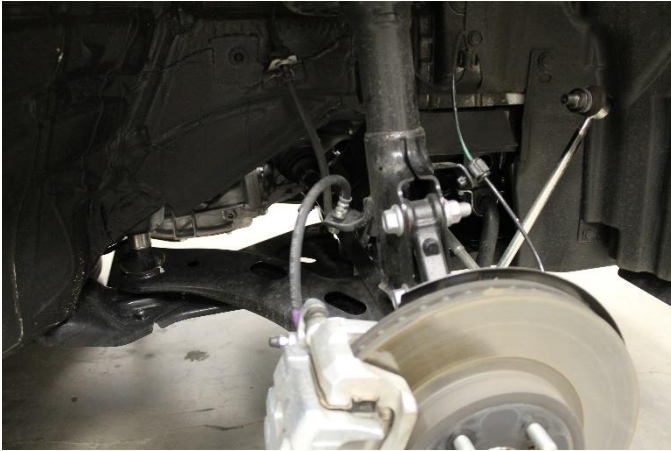
16. Install the 2 factory lower strut bolts



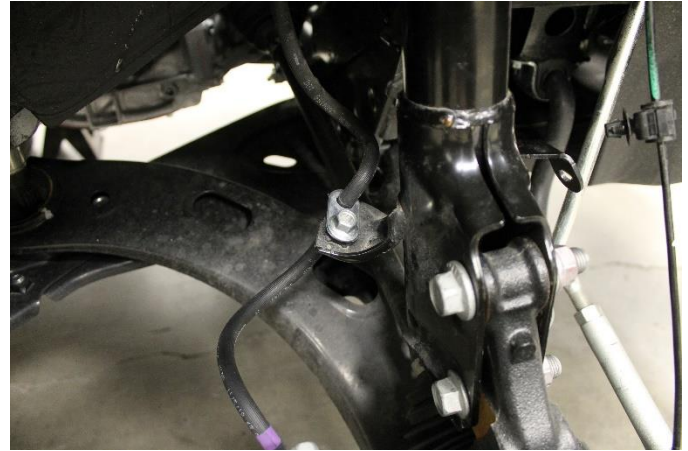
17. Install factory brake line bracket onto strut

Note: Flip brake line bracket to fasten on the top of the strut mount. Originally, the brake line bracket was mounted from the bottom of the strut mount.

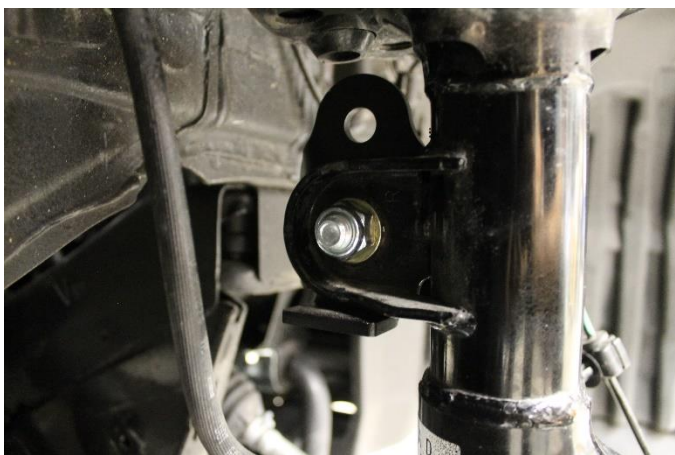
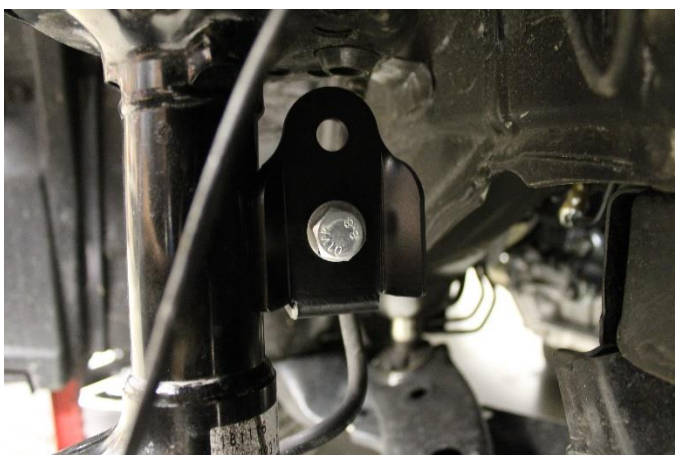
a. Before (For reference)



b. After

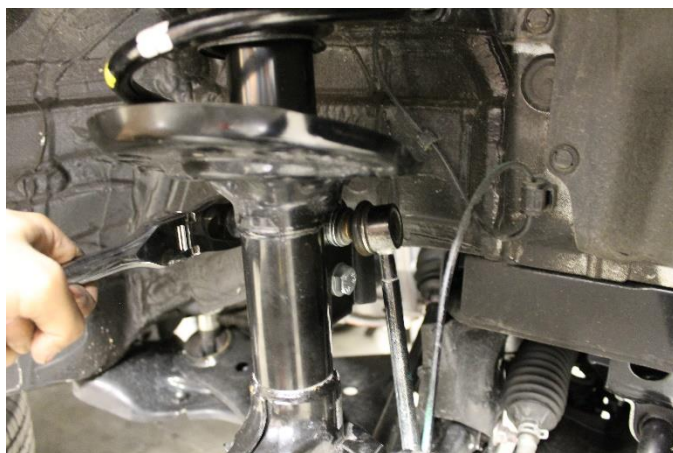
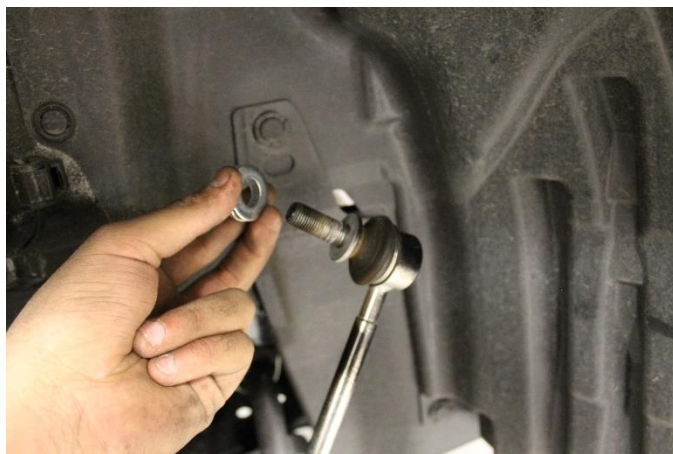


18. Install provided kit sway bar end link bracket onto strut, utilizing provided kit hardware

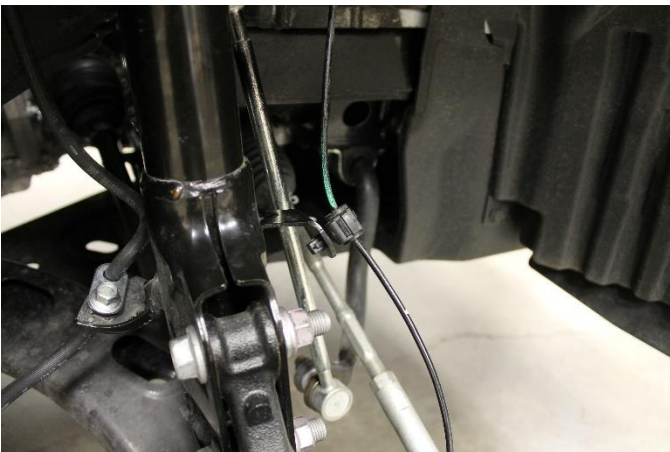
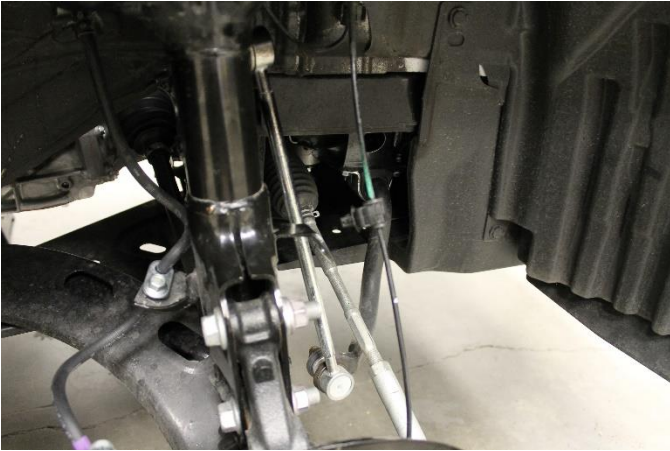


19. Install factory sway bar end link onto provided kit bracket

Note: Install provided kit 1/4" spacer onto factory sway bar end link, then end link onto kit bracket



20. Install / Clip factory ABS wire harness onto strut



21. Torque the upper strut nuts to 30 ft-lbs

Warning: Do not torque the upper strut nuts more than 30 ft-lbs

22. Repeat process for opposite side of vehicle

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

24. Reinstall front wheels

25. Remove jack stands and lower front of vehicle

Rear Installation

26. Chock front wheels

27. Lift rear of vehicle and support on jack stands where indicated in the factory owner's manual

28. Remove both driver and passenger side rear wheels

29. Support rear lower control arm / knuckle

30. Open the rear hatch and remove the spare tire cover

Note: Remove the cargo tray if equipped



31. Remove the 4 clips holding the foam support liners, then remove the foam



33. Remove the 2 factory upper strut nuts

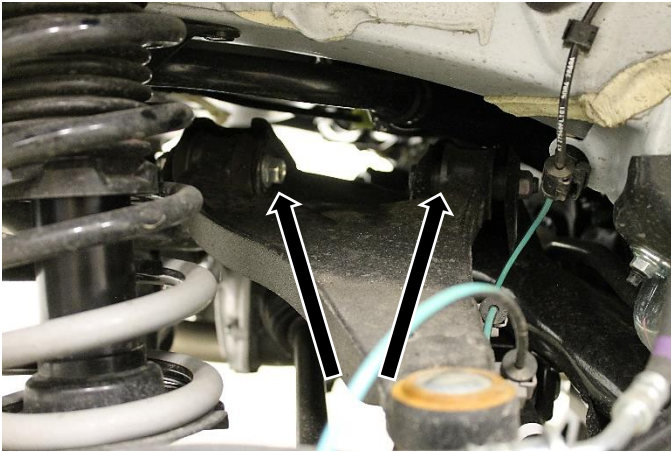


32. Remove the factory strut mount cover



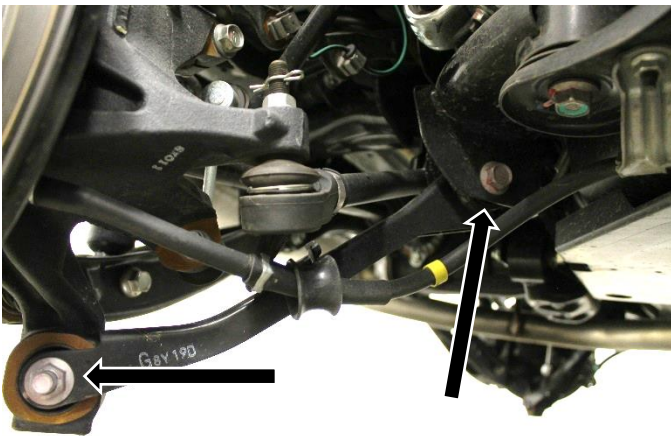
34. Loosen the 2 factory upper control arm bolts

Warning: Do not remove the 2 factory upper control arm bolts



35. Loosen the 2 factory lower frontward control arm bolts

Warning: Do not remove the 2 factory lower frontward control arm bolts



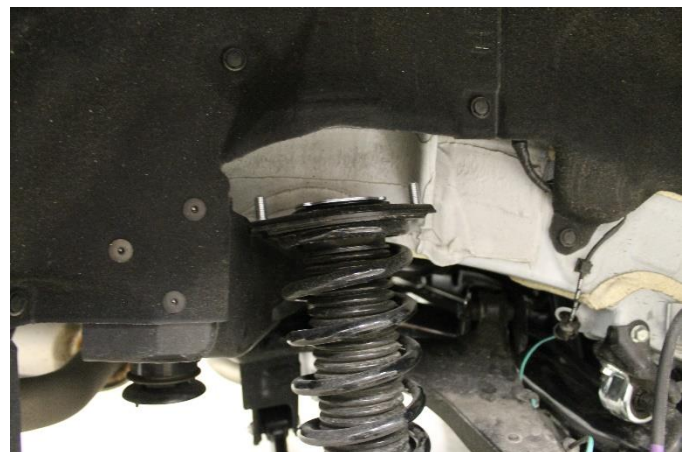
36. Loosen the factory lower rearward control arm bolt at the subframe

Warning: Do not remove the factory lower rearward control arm bolt



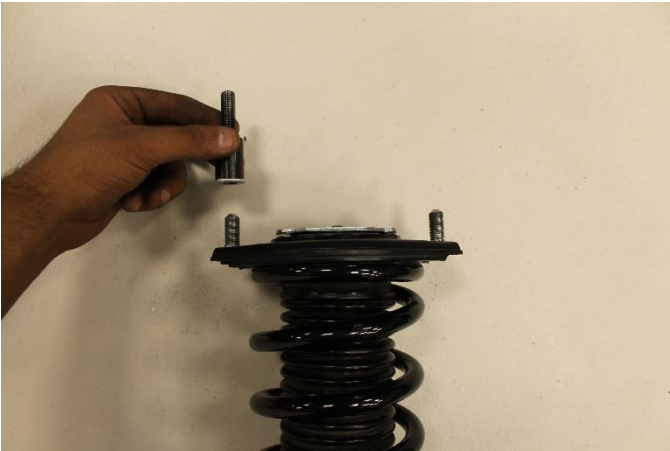
37. Remove both the factory lower rearward control arm bolt at the knuckle and the factory lower strut bolt, then lower the control arm and remove the factory strut assembly from the vehicle

Warning: Hold strut assembly while lowering the control arm



38. Install provided kit short Stud Extenders onto factory strut studs

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



40. Install strut assembly onto vehicle



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



41. Align the 2 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 2 upper strut nuts at this time



42. Raise the factory lower rearward control arm, and install first the factory lower strut bolt, then the factory control arm bolt at the knuckle



43. Torque the upper strut nuts to 30 ft-lbs
Warning: Do not torque the upper strut nuts more than 30 ft-lbs



44. Torque the 2 factory upper control arm bolts, the 2 factory lower frontward control arm bolts, and the factory lower rearward control arm bolt at the subframe, each to factory specifications



45. Repeat process for opposite side of vehicle
46. Verify that all nuts and bolts are torqued to proper factory specifications
47. Reinstall the rear strut mount covers, foam support liners, and spare tire cover.
Note: Reinstall cargo tray if equipped
48. Reinstall rear wheels
49. Remove jack stands and lower rear of vehicle

Post-Installation

50. Apply kit label (warning) onto dashboard in plain sight of all vehicle occupants
51. Adjust headlights
52. Check all fasteners to ensure they are torqued to factory specifications
53. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack
54. Check steering and suspension in all positions to ensure that there is no bind and adequate clearance between all moving, fixed and heated members
55. Check operation of the brake system, parking brake, and clutch (if applicable)
56. Check operation of transmission and transfer case
57. Ensure there is full engagement in all gears
58. 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. Specialty Products Company 81305 is recommended if further front camber adjustment is necessary
59. Test drive vehicle
60. 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