



Truck and Jeep Accessories

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KF09151

2019 to Current Ford Ranger Leveling Kit



Bill of Materials		
Part Number	Description	Quantity
M09151	Front Strut Spacer	2
HP09151	Hardware Pack	1
-	Stud Extender, M10 X 1.5	6
-	Nut, Nylon Lock, M10 X 1.5	6
-	Washer, Flat, M10	6
-	Thread Lock	2



Required Tools
Floor Jack
Jack Stands
Wheel Chocks
Metric Tool Set

Instructions Sheet INS09151
 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.

Installation

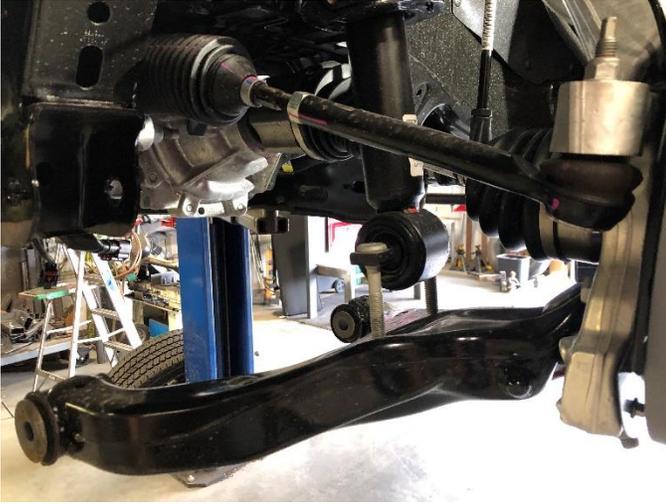
2. Chock rear wheels
3. Lift front of vehicle and support on jack stands where indicated in the factory owner's manual
4. Remove driver side front wheel
5. Remove lower the 2 factory lower strut nuts



6. Remove the 2 factory lower control arm bolts at the frame



7. Lower the lower control arm to separate the strut from the lower control arm



10. Remove the 2 factory lower strut studs from the strut assembly



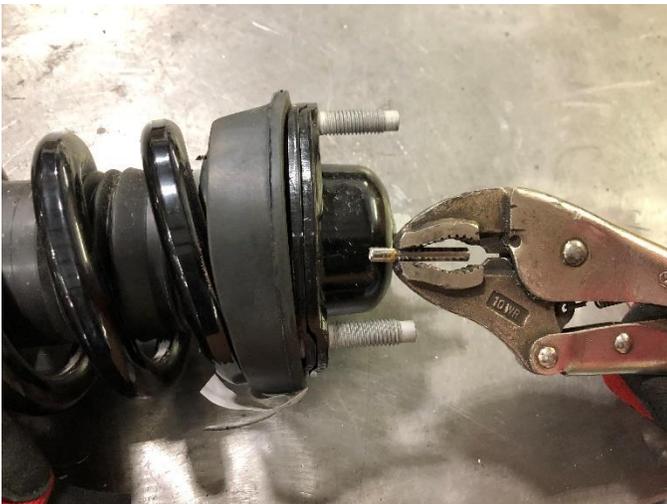
8. Remove the 3 factory upper strut nuts



9. Remove the factory strut assembly from vehicle



11. Remove the guide pin from the top of the strut assembly



13. Install Daystar Strut Spacer to top of factory strut

12. 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 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 nuts at this time



16. Install the 2 factory lower strut studs and nuts

Note: Do not tighten the 2 lower nuts at this time



17. Raise the lower control arm and install the 2 factory lower control arm bolts at the frame



18. Torque the 2 lower strut nuts to factory specification, and torque the 3 upper strut nuts to 30 ft-lbs

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

19. Repeat process for passenger side of vehicle

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

21. Reinstall front wheels

22. Remove jack stands and lower front of vehicle

Post-Installation

23. Apply kit label (warning) onto dashboard in plain sight of all vehicle occupants
24. Adjust headlights
25. Check all fasteners to ensure they are torqued to factory specifications
26. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack
27. Check steering and suspension in all positions to ensure that there is no bind and adequate clearance between all moving, fixed and heated members
28. Check operation of the brake system, parking brake, and clutch (if applicable)
29. Check operation of transmission and transfer case (if applicable)
30. Ensure there is full engagement in all gears and 4WD ranges (if applicable)
31. 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.
32. Test drive vehicle
33. 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