





## Installation Instructions 66-2299

**Please read Instructions thoroughly and completely before beginning installation.  
Installation by a certified mechanic is recommended.**

**ReadyLIFT Suspension Inc. is NOT responsible for any damage or failure resulting from improper installation.**

**Safety Warning:** Suspension systems or components that enhance the on and off-road performance of your vehicle may cause it to handle differently than it did from the factory. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers. Always operate your vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Failure to drive safely may result in serious injury or death to driver and passengers. Driver and passengers must ALWAYS wear your seat belts, avoid quick sharp turns and other sudden maneuvers. ReadyLIFT Suspension Inc. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices. You should never operate your vehicle under the influence of alcohol or drugs. Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off-road use.

**Installation Warning:** All steps and procedures described in these instructions were performed while the vehicle was properly supported on a two post vehicle lift with safety jacks. Use caution during all disassembly and assembly steps to insure suspension components are not over extended causing damage to any vehicle components and parts included in this kit. Included instructions are guidelines only for recommended procedures and are not meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications.

ReadyLIFT Suspension Inc. recommends the use of an OE Service Manual for model/year of vehicle when disassembly and assembly of factory and related components. Unless otherwise specified, tighten all bolts and fasteners to standard torque specifications listed within the OE Service Manual, or as referenced in the torque specification list provided in these instructions.

Suspension components that use rubber or urethane bushings should be tightened with the vehicle at normal ride height. This will prevent premature wear or failure of the bushing and maintain ride comfort. Larger tire and wheel combinations may increase leverage on suspension, steering, and related components. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle ride height. Always measure the vehicle ride height prior to beginning installation.

### Vehicle ride height chart

|  |                              |                              |  |  |  |  |  |  |  |  |  |
|--|------------------------------|------------------------------|--|--|--|--|--|--|--|--|--|
| <b>Driver Front:</b>   | <b>Driver Rear:</b>          | <b>Pass. Front:</b>          | <b>Pass. Rear:</b>   |  |  |  |  |  |  |  |  |
| <u>Stock</u>   <u>Lifted</u>   | <u>Stock</u>   <u>Lifted</u> | <u>Stock</u>   <u>Lifted</u> | <u>Stock</u>   <u>Lifted</u>   |  |  |  |  |  |  |  |  |
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|  |                              |                              |  |  |  |  |  |  |  |  |  |
|  |                              |                              |  |  |  |  |  |  |  |  |  |
|  |                              |                              |  |  |  |  |  |  |  |  |  |

| Bolt Size<br>Millimeters | Torque Specs in FT/LB |                      |
|--------------------------|-----------------------|----------------------|
|                          | Metric<br>Grade 8.8   | Metric<br>Grade 10.9 |
| 6mm                      | 6                     | 8                    |
| 8mm                      | 16                    | 22                   |
| 10mm                     | 40                    | 45                   |
| 12mm                     | 54                    | 70                   |
| 14mm                     | 89                    | 117                  |
| 16mm                     | 132                   | 175                  |
| 18mm                     | 182                   | 236                  |

| Bolt Size<br>SAE | Torque Specs in FT/LB |         |
|------------------|-----------------------|---------|
|                  | Grade 5               | Grade 8 |
| 5/16             | 15                    | 20      |
| 3/8              | 30                    | 35      |
| 7/16             | 45                    | 60      |
| 1/2              | 65                    | 90      |
| 9/16             | 95                    | 130     |
| 5/8              | 135                   | 175     |
| 3/4              | 185                   | 280     |



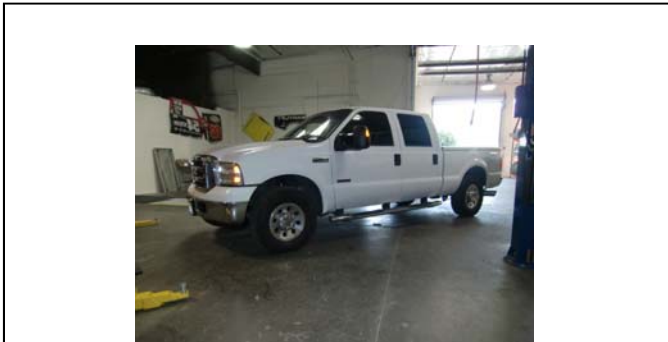
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# Bill of Materials

| Description                                  | Qty |
|--|-----|
| Front Coil Spring Spacer                     | 2   |
| Extender Studs                               | 2   |
| Stud Spacers 1.275 OD x .772 ID x .350 Thick | 2   |

The Bill of Materials represents the component contents of this kit. All hardware is of the highest grade and the components are manufactured to exacting specifications for a trouble free installation. Use the attached torque specifications chart when final tightening of the nut and bolts are done.

Note: Some trucks will require new alignment cams/caster camber bushing in order to set the alignment properly. Your technician will inform you if needed.



Place the vehicle on level ground.



Lift the vehicle off ground and remove the front tires.



Unbolt the sway bar on both sides of vehicle.



Remove the bolts and twist the sway bar out of the way.

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Unbolt the bottom of the shock, then the top.



Hold up the beam with a floor jack while the vehicle frame is supported.



Remove the bottom nut from inside the front coil.



Remove the nut and washer.



Lower the beam with jack and remove rubber grommet.



Remove the sway bar bracket/spring perch the nut under.



Remove the bolt between the radius arm and beam.



Place the spacer over the bolt.

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Insert the bolt with spacer back into the beam and torque.



Re-install the sway bar bracket and extender stud.



Torque down the extender studs and add the spacer.



Re-install the spring and hardware.



Reinstall the shock bottom first, then the top and tighten.

**Repeat these steps on the other side. When both sides are complete continue to next step.**



Reinstall the sway bar and tighten.



Recheck installation and be sure all hardware is properly torqued. Install the tires and lower vehicle to the ground. You must get the vehicle re-aligned.



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### **Final Checks & Adjustments**

**Post Installation Warnings:** Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to insure proper torque. Torque wheels to factory specs. Move vehicle backwards and forwards a short distance to allow suspension components to adjust. Turn the front wheels completely left then right and verify adequate tire, wheel, brake line, and ABS wire clearance. Test and inspect steering, brake and suspension components for tightness and proper operation. Inspect brakes hoses and ABS lines for adequate slack at full extension. Failure to perform the post inspection checks may result in vehicle component damage and/or personal injury or death to driver and/or passengers. Test drive vehicle and re-check the torque of all fasteners and re-torque wheels on vehicle. Re-adjust headlamps.

**Vehicle Handling Warning:** Vehicles with larger tires and wheels will handle differently than stock vehicles. Take time to familiarize yourself with the handling of your vehicle.

### **Wheel Alignment/Headlamp Adjustment:**

**It is mandatory to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is mandatory that your vehicle alignment be checked after any off-road driving. In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment**

### **Vehicle Re-Torque and Safety Inspection:**

Upon completion of all services and adjustments performed on your vehicle, and within 50 miles of driving, check to ensure all fasteners and hardware are properly torqued to specification as noted in the vehicles factory service manual or the torque chart included.