

# READYLIFT®

SUSPENSION INC.

ReadyLift® (Part# 66-2055)  
(2010-11) Ford F-150 SVT Raptor

**Please read instructions thoroughly and completely before beginning installation.  
Check [www.Readylift.com](http://www.Readylift.com) for any installation instruction updates  
Installation by a trained mechanic is recommended.**

**SAFETY WARNING:** ReadyLift Suspension Inc. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

**PRODUCT SAFETY WARNING:** Modifying your vehicle ride height may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. ReadyLift Suspension Inc. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices. You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

#### **Pre-Installation Notes**

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of ReadyLift Suspension Inc. components. **Always wear safety glasses** when using power tools.
6. If installation is to be performed without a hoist, ReadyLift Suspension Inc. recommends rear alterations first.
7. 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 attitude. Always measure the attitude prior to beginning installation.

#### **POST-INSTALLATION WARNINGS**

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. **Headlight adjustment is highly recommended so as to not blind other drivers..**
4. Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

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Position truck on a flat surface and lift vehicle by the frame so that the front wheels are off the ground. Use a minimum 2 ton jack stands and place under frame for safety or a (2) two post lift if available. Make sure that the emergency brake is on and the rear wheels are blocked to prevent a rollout.

## Bill of Materials

<u>Description</u>	<u>QTY</u>
2.0" Tall Steel Extended Strut Spacer	2
M10-1.25 serrated flange nuts	6

\* Two, minimum 2 ton, jacks are recommended to make installation safe and easier.



Begin by placing vehicle on level working surface and take an initial measurement.



Support vehicle on jack stands and remove front wheels/tires



View of front suspension (driver side Shown).



Disconnect sway bar endlinks from below on both dr./pass. side of vehicle as shown.

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Now disconnect the ABS/Vacuum line brackets from the spindle (2 bolts), and plastic clips on spindle and upper control arm.



Loosen the upper ball joint nut and leave a few threads engaged.



Carefully strike spindle as shown to break loose upper ball joint.



Upper control arm and ball joint will separate as shown.



Loosen lower coil-over shock nut and remove bolt.



Shows lower coil-over bolt removal.

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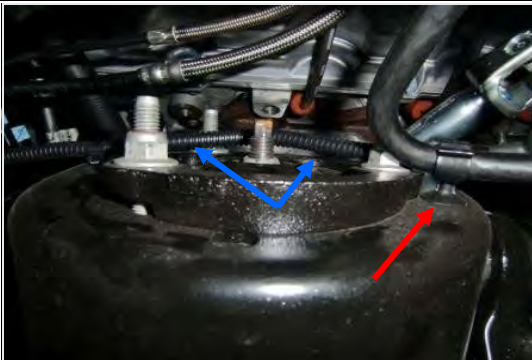
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Next, loosen outer tie rod nut and remove.



Using the same technique as before, carefully strike steering knuckle with hammer to break loose tie rod end.



Now, go to the upper coil-over mount and observe the cast wedge to piece and the installed position. Remove retaining clip holding **vacuum line**, note **horizontal wiring**.



Now loosen and remove (3) upper coil-over mounting nuts and remove entire coil-over assembly from vehicle. You may need to push down the lower control arm.



View of disassembled front suspension..



Note the retaining clip on top of the lower mounting wedge. Remove clip and cast wedge, discard clip only.

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Shown, 66-2055 upper strut extensions and hardware.



Place upper strut extension on top of coil-over assembly, reinstall and tighten to factory spec using OE hardware.



With a cutoff wheel or appropriate tool trim OE mounting studs just under flush with the top of the 66-2055 as shown.



Place wedge on top of the 66-2055 spacer in its original configuration. Note the coil-over will now be installed 180 degrees opposite of the original position.



Up close side view of properly installed extension and OE wedge. Reinstall coil-over into vehicle and reassemble in reverse order and tighten to OE specs.



Reinstall tires and wheels torque to factory spec and align vehicle. Congratulations and enjoy!

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Wheel Alignment; a Certified Alignment Technician that is experienced with lifted vehicles is recommended to perform the alignment.

\*It is recommended that you have your vehicle's alignment checked whenever installing suspension parts.

### Vehicle Handling Warning

Vehicles with larger wheels and tires will handle differently than stock vehicles.

Take time to familiarize yourself with the handling of your vehicle.

### Installation Warning

Always wear proper safety equipment and use the correct tools when installing any suspension upgrade. Make sure vehicle is on a flat surface and you are using jack stands or a lift rated for the weight of the vehicle.

**DRIVE SAFELY & WEAR YOUR SEATBELT.**

**Warning!** This ReadyLift® kit is designed and engineered to lift a stock vehicle with no prior modifications. The use of this kit along with items such as rear lift blocks or spacers, add-a-leafs, airbags, suspension lifts, body lifts or any other type of lifting accessory shall be done at the vehicle owners risk and will void any and all warranties in effect or implied by ReadyLift®.