

Belltech 2212FF

Belltech 2212FF Street Performance Shock Absorber User Manual

Brand: Belltech | Model: 2212FF

PRODUCT OVERVIEW

The Belltech 2212FF Street Performance Shock Absorber is engineered to significantly enhance the ride quality and handling of lowered Sport Trucks and SUVs. Unlike standard factory units, these shock absorbers are specifically designed to operate effectively within reduced suspension travel, addressing common issues such as poor ride quality, excessive body roll, and uncontrolled vehicle movements during braking and acceleration.

Developed through collaboration between KW automotive and Belltech engineers, these shock absorbers incorporate advanced technology to provide superior damping control. They are precision-engineered for specific vehicle applications, ensuring optimal performance and comfort.



Image: Belltech 2212FF Street Performance Shock Absorber, a single silver shock absorber with "STREET PERFORMANCE" branding.

Key Features:

- Premium performing shock absorber designed for lowered vehicles.
- Oversized construction for enhanced damping control.
- Guaranteed vehicle-specific fitment.
- Complements larger OE and aftermarket wheel and tire packages, improving tire contact.
- Maintains OEM ride quality while adding performance, control, and comfort.
- Features a 15mm hardened chrome piston rod for durability.
- PTFE coated piston and bushing for longevity and reduced friction.
- Reinforced OE quality rubber bushings.
- Powder coated shock body and metal dust boot to protect against dust and debris.

INSTALLATION AND SETUP

Proper installation of the Belltech 2212FF Street Performance Shock Absorbers is crucial for optimal performance and safety. It is highly recommended that installation be performed by a qualified automotive technician.

For detailed, step-by-step installation instructions, please refer to the official Installation Manual provided by Belltech. This document contains critical information regarding vehicle preparation, component removal, and proper torque specifications for all fasteners.

Important: Always ensure the vehicle is securely supported on jack stands or a lift before beginning any work. Disconnect the battery if working near electrical components. Wear appropriate personal protective equipment, including safety glasses and gloves.

[Download Official Installation Manual \(PDF\)](#)



Image: Two Belltech shock absorbers positioned near a vehicle's rear wheel and suspension components, illustrating their intended placement and the importance of proper installation for stability.

Pre-Installation Checks:

- Verify that the shock absorbers are the correct model (2212FF) for your specific vehicle application.
- Inspect all components for any signs of shipping damage or manufacturing defects.
- Gather all necessary tools and equipment as specified in the installation manual.

OPERATING CHARACTERISTICS

Once installed, the Belltech 2212FF Street Performance Shock Absorbers will significantly alter your vehicle's handling and ride dynamics, especially in lowered applications. These shocks are designed to provide a balanced center of gravity and increased stability.

Expected Performance:

- **Improved Ride Quality:** Experience a smoother ride compared to OEM shocks in a lowered vehicle, as these units are tuned for reduced suspension travel.

- **Enhanced Stability:** Notice increased stability during hard braking and quick transitional maneuvers, reducing front lean and body roll.
- **Optimized Tire Contact:** The design helps maintain better tire contact with the road surface, particularly with larger wheel and tire packages.
- **Responsive Handling:** The precision engineering creates a homeostatic environment between rebound and compression valves, leading to more controlled and responsive handling.



THIS LAYERING KEEPS BELLTECH TRAIL PERFORMANCE SHOCKS PROTECTED AND INCREASES THEIR LONGEVITY. ANOTHER FANTASTIC DESIGN THAT MAKES BELLTECH SHOCKS LAST LONGER IS THE HARDENED CHROME 15MM PISTON ROD. IT WAS DESIGNED WITH DURABILITY AND POWER IN MIND. IN ADDITION TO THEIR LONG-LASTING DESIGN, BELLTECH TRAIL PERFORMANCE SHOCKS ARE ENGINEERED TO CREATE EXCEPTIONAL RIDE QUALITY. BOTH THE PISTON AND THE GUIDE BUSHINGS ARE MADE WITH A PTFE COATING, MAKING FOR A SMOOTH, EASY GLIDE DURING EXTENSION AND COMPRESSION.



Image: A red lowered pickup truck driving on a road, demonstrating the vehicle's stance and handling with Belltech Street Performance Shocks. The image highlights the hardened chrome 15mm piston rod and PTFE coated components for durability and smooth operation.

It is important to allow a short break-in period for the new shock absorbers to settle and for you to become accustomed to the improved vehicle dynamics.

MAINTENANCE

Belltech 2212FF Street Performance Shock Absorbers are designed for long-lasting performance with minimal maintenance. However, periodic inspection is recommended to ensure continued optimal operation and safety.

Recommended Maintenance Schedule:

- **Every 10,000 miles or 12 months (whichever comes first):**
 - Visually inspect the shock absorbers for any signs of fluid leaks. A slight film is normal, but active dripping indicates a seal failure.
 - Check the condition of the rubber bushings at both ends of the shock. Look for cracks, tears, or excessive wear.
 - Ensure all mounting bolts are securely tightened to the manufacturer's specified torque.
 - Inspect the shock body and dust boot for any physical damage, dents, or corrosion.
- **After severe off-road use or heavy impacts:**

- Perform an immediate inspection for any damage or misalignment.

The PTFE coated piston and bushing contribute to the longevity and reduced friction of the shock, minimizing internal wear. The powder-coated body and metal dust boot provide protection against environmental elements like dust and debris.

If any issues are detected during inspection, it is advisable to consult a qualified technician for further assessment and repair or replacement.

TROUBLESHOOTING

This section addresses common issues that may arise with shock absorbers. If you experience any of the following, consider these potential causes and solutions.

Symptom	Possible Cause	Solution
Excessive Bouncing or "Floaty" Ride	Worn or failed shock absorber; incorrect shock for application; improper installation.	Inspect shocks for leaks or damage. Verify correct model and proper installation. Replace if necessary.
Harsh or Rough Ride	Incorrect shock for application (e.g., too stiff); worn bushings; suspension component interference.	Ensure correct shock model. Check bushings for wear. Inspect suspension for clearance issues.
Clunking or Knocking Noises	Loose mounting bolts; worn bushings; damaged shock; interference with other components.	Tighten mounting bolts to spec. Inspect bushings for wear. Check for contact points with other parts. Replace damaged shock.
Fluid Leaks from Shock Body	Damaged seal; internal component failure.	A small film is normal, but active dripping indicates failure. Replace the shock absorber.

If troubleshooting steps do not resolve the issue, or if you are unsure about the cause, it is always best to seek assistance from a certified automotive professional.

SPECIFICATIONS

Attribute	Detail
Brand	Belltech
Model Number	2212FF
Auto Part Position	Front
Vehicle Service Type	Car, Truck
Material	Metal
Exterior Finish	Painted
Item Weight	6.6 pounds
Product Dimensions	19.75 x 3 x 3.5 inches

Attribute	Detail
UPC	722439086478
Manufacturer Part Number	2212FF
Date First Available	March 27, 2011

WARRANTY AND SUPPORT

For specific warranty information regarding your Belltech 2212FF Street Performance Shock Absorber, please refer to the documentation included with your purchase or visit the official Belltech website. Warranty terms and conditions typically cover manufacturing defects and material flaws for a specified period.

If you require technical assistance, have questions about installation, or need to report a potential issue, please contact Belltech customer support directly. Their contact information can usually be found on their official website or within the product packaging.

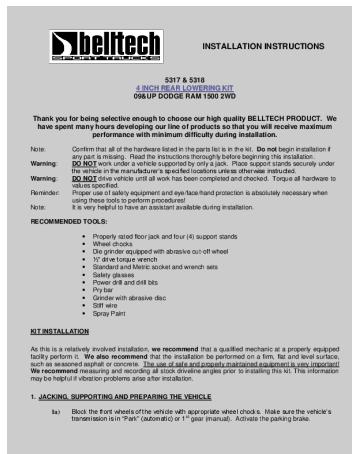
Online Resources:

- Official Belltech Website: www.belltech.com (Note: This is a generic link, actual link might be different)
- Installation Manual (PDF): [Download Here](#)

Always provide your product model number (2212FF) and purchase date when contacting support to expedite assistance.

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Documents - Belltech – 2212FF



[pdf] Instructions Parts List

Belltech Suspension Parts Installation Instructions performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD 5318 installation instructions images carid belltech systems |||

INSTALLATION INSTRUCTIONS 5317 5318 4 INCH REAR LOWERING KIT 09 UP DODGE RAM 1500 2WD Thank you ... re and torque to 100 ft. lb. Belltech recommends the use of its Street Performance lowering shocks **2212FF** 2k Unbolt the track bar from the axle. 2l Install the supplied Belltech Track Bar Reloca...
lang:en score:42 filesize: 546.85 K page_count: 5 document date: 2015-06-25

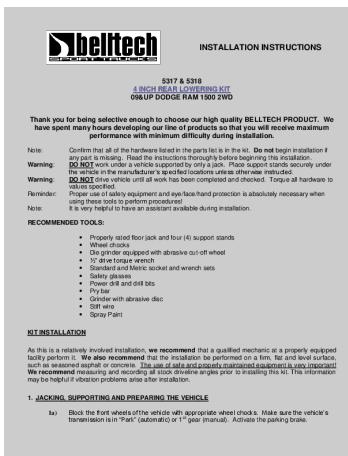


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Belltech Suspension Performance Parts Installation Instructions performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD 964sp installation instructions images carid belltech systems |||

INSTALLATION INSTRUCTIONS 5317 5318 4 INCH REAR LOWERING KIT 09 UP DODGE RAM 1500 2WD

Thank you ... re and torque to 100 ft. lb. Belltech recommends the use of its Street Performance lowering shocks **2212FF** 2k Unbolt the track bar from the axle. 2l Install the supplied Belltech Track Bar Reloca...
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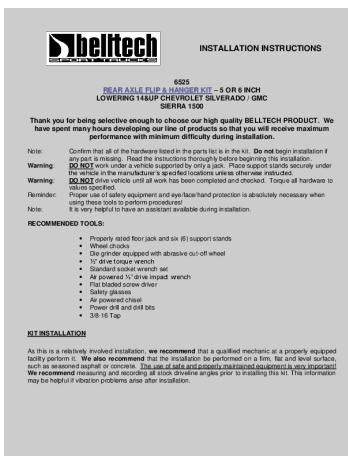


[pdf] User Manual Instructions Parts List

Belltech Suspension Parts Installation Instructions performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD gear manual Activate the parking brake 1b Loosen but DO NOT REMOVE rear lug nuts 1c Lift of vehicle off ground using a properly rated floor jack so that tires are approximately 4 6 inches surface 1d 5317 installation instructions images carid belltech systems

INSTALLATION INSTRUCTIONS 5317 5318 4 INCH REAR LOWERING KIT 09 UP

DODGE RAM 1500 2WD Thank you ... re and torque to 100 ft. lb. Belltech recommends the use of its Street Performance lowering shocks **2212FF** 2k Unbolt the track bar from the axle. 2l Install the supplied Belltech Track Bar Reloca...
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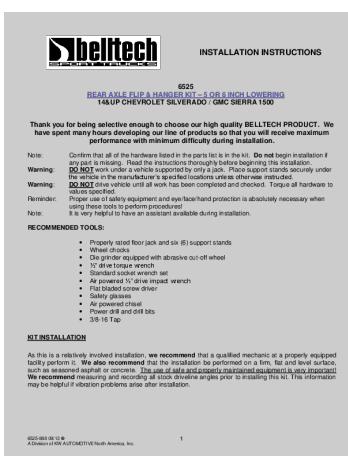


[pdf] Instructions Parts List

Belltech Suspension Parts Installation Instructions performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD 6525 installation instructions images carid belltech items |||

INSTALLATION INSTRUCTIONS 6525 REAR AXLE FLIP HANGER KIT 5 OR 6

INCH LOWERING 14 UP CHEVROLET SI ... Hanger Position On Vehicle Lowest Bump Stop 2 4923 Shocks Street Performance / Nitro Drop 2 **2212FF** / 8504 5 drop Stock Lowest 1 5922 2210FF / 8510 6 drop Stock Highest 1 5922...
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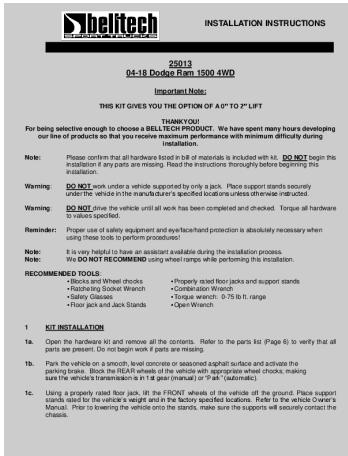


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Belltech Suspension Performance Parts Installation Instructions performance suspension struts shocks coil springs leaf lift kits lowering sway bars bushings air CARiD 996 3 installation instructions images carid belltech systems |||

INSTALLATION INSTRUCTIONS 6525 REAR AXLE FLIP HANGER KIT 5 OR 6

INCH LOWERING 14 UP CHEVROLET SI ... Hanger Position On Vehicle Lowest Bump Stop 2 4923 Shocks Street Performance / Nitro Drop 2 **2212FF** / 8504 5 drop Stock Lowest 1 5922 2210FF / 8510 6 drop Stock 6525-888 09/13 A ...
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[pdf] Instructions

Belltech Performance Suspension Parts Installation Instructions performance suspension shocks struts coilovers lift kits lowering handling leveling alignment conversion air coil springs leaf helper torsion bars sway bushings braces traction panhard torque arms 4 link frames ball joints steering dampers bump stops skid plates car truck suv CARiD 965sp installation instructions images carid belltech items |||

INSTALLATION INSTRUCTIONS 25013 04-18 Dodge Ram 1500 4WD Important

Note: THIS KIT GIVES YOU THE OPTION OF 0" TO 2" LIFT
For being selective enough to choose a belltech product, we have spent many hours developing our line of products so that you receive maximum performance with minimum difficulty during installation.

Note: Please confirm that all hardware listed in belltech materials is included with kit. **DO NOT** begin the installation until all parts are missing. Read the instructions thoroughly before beginning this installation.

Warning: **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations as otherwise instructed.

Warning: **DO NOT** move the vehicle until all work has been completed and checked. Torque all hardware to values specified.

Reminder: Proper use of safety equipment and eye-face-hand protection is absolutely necessary when using these tools to prevent procedures.

Note: **DO NOT RECOMMEND** using this kit to lower the vehicle below the factory setting.

RECOMMENDED TOOLS:

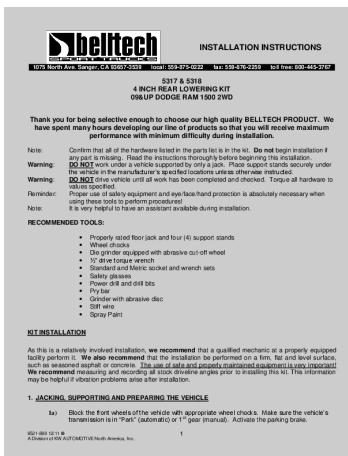
- Block front and rear wheels
- Wheel chocks
- Drill driver with torque wrench
- 1/2" drive torque wrench
- Standard and Metric socket and wrench sets
- Safety glasses
- Power drill and drill bits
- Pry bar
- Gender with abrasive disc
- SAE wrench
- Spray Paint

KIT INSTALLATION

1a. Open the hardware kit and remove all the contents. Refer to the parts list (Page 6) to verify that all parts are present. Do not begin work if parts are missing.

1b. Place the front and rear wheel supports under the vehicle. Make sure the vehicle is level and the parking brake is on. Block the REAR wheels of the vehicle with appropriate wheel chocks, making sure the vehicle's transmission is in 1st gear (manual) or P gear (automatic).

1c. Using a properly rated floor jack, lift the FRONT wheel of the vehicle until the front wheel is clear of the ground. Place support stands securely under the vehicle in the manufacturer's specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.



[pdf] Instructions Parts List

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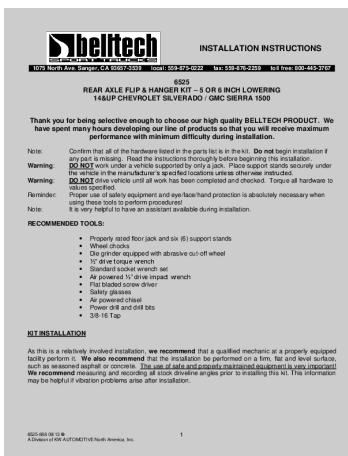
Standard Coil Spring Set 2009 2016 Dodge Ram 1500 JEGS High Performance 146 jugs

InstallationInstructions 100 |||

INSTALLATION INSTRUCTIONS --1075 North Ave. Sanger, CA 93657-3539 local:

559-875-0222 fax: 559-876-2 ... re and torque to 100 ft. lb. Belltech recommends the use of its Street Performance lowering shocks **2212FF** 2k Unbolt the track bar from the axle. 2l Install the supplied Belltech Track Bar Reloca...

lang:en score:35 filesize: 1.3 M page_count: 13 document date: 2019-05-23

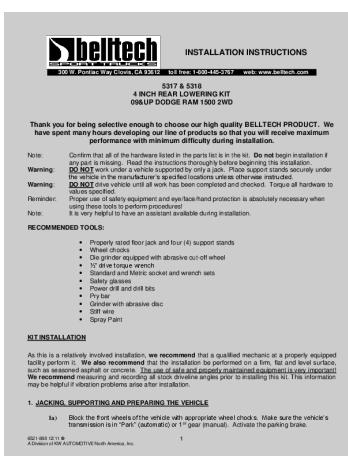


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2822 E California Ave BretNorgaard Please Click here to the Instructions File Belltech 6525 Flip Kit for 2014 Up Chevy Silverado GMC Sierra 1500 JEGS High Performance 146 jugs InstallationInstructions 100 |||

INSTALLATION INSTRUCTIONS --1075 North Ave. Sanger, CA 93657-3539 local: 559-875-0222 fax: 559-876-2 ... Hanger Position On Vehicle Lowest Bump Stop 2 4923 Shocks Street Performance / Nitro Drop 2 **2212FF** / 8504 5 drop Stock Lowest 1 5922 2210FF / 8510 6 drop Stock 6525-888 09/13 A ...

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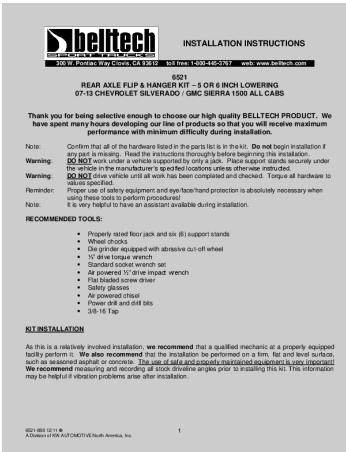
[pdf] Instructions Parts List

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d785dc0e3b62b5e0ef07f55db00b0659 ssl cf2 rackcdn KW Automotive |||

INSTALLATION INSTRUCTIONS ----3300 W. Pontiac Way Clovis, CA 93612 toll free: 1-800-445-3767 web: ww ... re and torque to 100 ft. lb. Belltech recommends the use of its Street Performance lowering shocks **2212FF** 2k Unbolt the track bar from the axle. 2l Install the supplied Belltech Track Bar Reloca...

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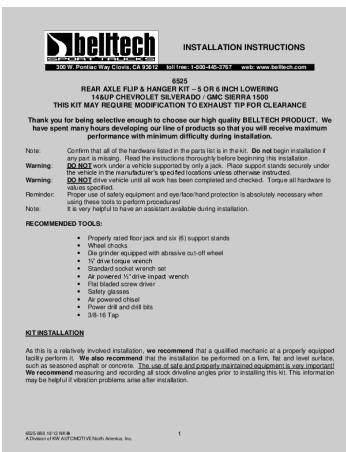


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INSTALLATION INSTRUCTIONS ----3300 W. Pontiac Way Clovis, CA 93612 toll free: 1-800-445-3767 web: ww ... Hanger Position On Vehicle Lowest Bump Stop 2 4923 Shocks Street Performance / Nitro Drop 2 **2212FF** / 8504 5 drop Stock Lowest 1 5922 2210FF / 8510 6 drop Stock Highest 1 5922...

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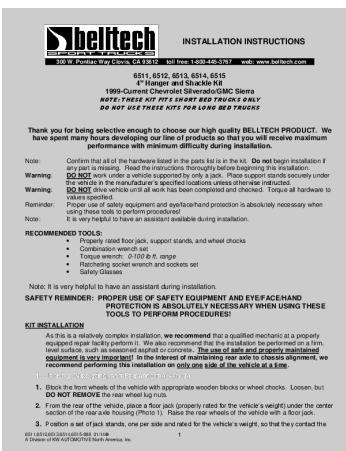
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2822 E California Ave BretNorgaard 6525 888 1ddf4b1b856a39e33863

d785dc0e3b62b5e0ef07f55db00b0659 ssl cf2 rackcdn KW Automotive |||

INSTALLATION INSTRUCTIONS ----3300 W. Pontiac Way Clovis, CA 93612 toll free: 1-800-445-3767 web: w ... Hanger Position On Vehicle Lowest Bump Stop 2 4923 Shocks Street Performance / Nitro Drop 2 **2212FF** / 8504 5 drop Stock Lowest 1 5922 2210FF / 8510 6 drop Stock Highest 1 5922...

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2822 E California Ave BretNorgaard 6511 6512 6513 6514 6515 888 1ddf4b1b856a39e33863

d785dc0e3b62b5e0ef07f55db00b0659 ssl cf2 rackcdn KW Automotive |||

INSTALLATION INSTRUCTIONS ----3300 W. Pontiac Way Clovis, CA 93612 toll free: 1-800-445-3767 web: ww ... required to prevent bottoming out. We recommend using only quality Belltech Street PerformanceTM P/N **2212FF** or NitroDrop2TM P/N 8504 high-performance shocks for your GM truck application. Re-install t...

lang:en score:16 filesize: 2.62 M page_count: 9 document date: 2015-08-21