

Shock & Strut Inspection Guide

FCS AUTOMOTIVE



Make sure the vehicle's ride height is right – correct suspension function and ride quality depends upon it. A car's suspension incorporates engineered geometry based upon the factory's ride height. When that height changes, often over time as springs sag, it affects how well the suspension system is able to properly do its job – particularly in front suspensions.

→ Ride control is often over looked and even ignored. Breaking this cycle of deferred maintenance or replacement means that customers get better handling, shorter stopping distances and money savings by not prematurely wearing out tires, brakes and suspension parts.

→ Perform a Bounce Test

1. Make sure the vehicle is on a leveled flat surface
2. One corner at a time, push down with all your body weight and release
3. Observe how the vehicle reacts
 - If it bounces once, the shocks or struts will need future repairs
 - If it bounces more than twice, it is highly recommended to replace the shocks or struts (in pairs)
 - If the vehicle returns to its resting position, no replacement is needed
4. Perform the test on all four corners

Benefits of Replacing Worn Out Shocks & Struts with FCS Automotive

Safety

- Full Control of Vehicle
- Shorter Braking Distance
- Steering Stability
- Reduce Chances of Bottoming out

Improved Performance

- Suspension & Steering in Sync
- Handles the Worst Road Conditions
- Restores Vehicles Ride Back to OE
- Absorbs Harsh, Damaging Road Impact

Future Repair Costs

- Reduces Premature Tire Wear
- Less Wear on Tie Rods, Control Arms, Ball Joints, Etc.
- Fewer Brake Replacements
- Less Drag, Save Fuel



No Control

With Control

SATISFACTION GUARANTEED

FCS products are engineered to meet O.E.M. quality using the latest state of the art manufacturing processes. All components and valving are specifically designed and calibrated to match form, fit and function for vehicle application and provide the original OE ride and feel.

Date: _____

FCS Automotive offers the finest quality Shocks and Struts, the components are safer to install and save time/labor while restoring performance at an incredible value to the customer.

Customer Name: _____

Inspector Name: _____

Vehicle Identification Number (VIN): _____

Vehicle Year: _____ Make: _____ Model: _____ Mileage: _____

CUSTOMER INTERVIEW	Mark "X"	
	Yes	No
Have your suspension components been checked in the past 50,000 miles?		
Do you experience more harshness or jarring over pot holes than you would expect or does the vehicle continue to bounce after speed bumps?		
Have you noticed any noise while hitting bumps or turning the wheel?		
Does your vehicle's front-end dive while braking?		
Do you feel a need to slow down dramatically in order to safely control the vehicle at highway speeds, on curvy roads, or on bumpy/hilly roads?		

If 2/5 highlighted areas are marked, move onto "Visual Inspection"

1. VISUAL INSPECTION	Comments	Mark "X"	
		Yes	No
Are the tires showing evidence of cupping, shallow craters or uneven wear?			
Is one end of the vehicle significantly lower than the other?			
Is the oil leaking down the side of the strut? (a light film on top of strut is OK)			
Is there damage or rust on the position rod or dents on the shocks body?			
Perform a bounce test; does it pass? (See Page1: Section 2)			

If any highlighted areas are marked, move onto "Test Drive"

2. TEST DRIVE	Comments	Mark "X"	
		Yes	No
Is there a noticeable bounce, sway or front-end dive while braking?			
Is there a clunking noise around the strut when turning the wheel?			
Does the body roll while taking left or right turns?			
While accelerating, does the back end squat as the front end rises?			

If 2/8 highlighted areas from sections 1 & 2 are marked, recommend Ride Control replacement

Suggesting FCS Automotive Replacement	
1. Ride control is safety related due to the effects on braking and steering.	Address/Contact Info or shop logo
2. Replacing ride control, suspension, or steering components improves handling and driver control.	
3. Repair of suggested items, saves money on tires, brakes, and other components.	

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