



09/15/08

10-42205

2005-2008 Ford F-250 4wd Leveling Kit Installation Instructions

Part List

<u>Item</u>	<u>Description</u>	<u>Qty.</u>
Box 1 of 2		
20-20556-1	Coil Spring, '05-08 Ford Super Duty 2"	2
20-71305	Hardware Pack (Ball Joint Sleeves)	
50-23269	Sleeve,F-250 Super Duty '05-08	2
Box 2 of 2		
F4-BE5-6681-H5	Bilstein Shock, Front F-250 4wd '05-08 2" Lift	2
F4-BE5-6249-H5	Bilstein Shock, Rear F-250 4wd '05-08	2
20-831451	12mm Shock Sleeve	2

1. Raise the vehicle. If working without a shop hoist, support vehicle with suitable safety jack stands. Put vehicle in gear, set emergency brake and block rear wheels, both in front and behind tires. Loosen front wheel lug nuts. Place floor jack under the front axle and raise vehicle. Place safety jack stands under frame rails, behind front wheel wells, and lower the frame onto the stands. Once securely on jack stands remove floor jack. Remove front wheels.
2. Disconnect sway bar from sway bar links.
3. Disconnect brakeline at base of coil spring.

4. Remove shocks and lower front axle till springs are loose. Remove springs.
5. While springs are out, replace upper ball joint sleeves. Remove them using a two jaw puller around the knuckle, pushing on the top of the ball stud until it pops loose. Pull the sleeve out and replace with the new sleeve (50-23269). Make sure the arrow is pointing to the front of the vehicle. Torque upper ball joint nut to 69lb./ft.
6. Insert springs (20-20556-1) and raise axle.
7. Install new front Bilstein shocks (F4-BE5-6681-H5). Torque lower bolt-nut to 111lb./ft. and upper nut to 46lb./ft.
8. Re-attach brakeline to axle.
9. Re-attach sway bar to sway bar links. Torque bolts to 111lb./ft.
10. Install the wheels and tires, and lower vehicle to the ground. Torque lug nuts to 165 lb. ft.
11. Remove rear shocks and replace with new Bilstein shocks (F4-BE5-6249-H5). Install sleeve (20-831451) in lower end of shock before assembly. Torque upper bolt to 46lb./ft. and lower bolt to 66 lb./ft.

Some Final Notes

After installation is complete, double check that all nuts and bolts are tight.

If new tires are installed that are more than 10% taller than original tires, the speedometer must be recalibrated for the Anti-Lock Brake System to function properly. Contact an Authorized Ford dealer for details on recalibration.

Have headlights readjusted to proper setting.

Realign front end to factory specifications. Be sure vehicle is at desired ride height prior to realignment.