



SUPERLIFT®

S U S P E N S I O N

SUPERLIFT® 2005 - 2016 FORD F250 LEVEL-IT / LEVEL 1 KIT INSTALLATION INSTRUCTIONS

THANK YOU FOR CHOOSING SUPERLIFT FOR ALL YOUR SUSPENSION NEEDS!!

INTRODUCTION

Installation requires a professional mechanic. The overall vehicle must be in excellent working condition; repair or replace all worn parts.

Read instructions several times before starting. Be sure you have all needed parts and know where they install. Read each step completely as you go.

NOTES:

- Prior to beginning the installation, check all parts and hardware in the box with the parts list below. If you find a packaging error, contact Superlift® directly. Do not contact the dealer where the system was originally purchased. You will need the control number from each box when calling; this number is located at the bottom of the part number label and to the right of the bar code.
- Front end alignment is necessary.
- A foot-pound torque reading is given in parenthesis () after each appropriate fastener.
- Prior to attaching components, be sure all mating surfaces are free of grit, grease, excessive undercoating, etc.
- A factory service manual should be on hand for reference.
- Use the check-off box "☐" found at each step to help you keep your place. Two "☐☐" denotes that one check-off box is for the driver side and one is for the passenger side. Unless otherwise noted, always start with the driver side.

LEVEL - IT 40031

Kit Part Number 40031		
Component	Qty	Component Description
55-01-40031	2	coil seat spacer, lower
77-40031	1	hardware bag
88-40031	1	instruction bag
Kit Part Number 77-40031		
Component	Qty	Component Description
14MX2X100CS	2	14mm x 2.0 x 100mm bolt
14MFW	2	14mm flat washer
F470L	1	thread locker
Kit Part Number 88-40031		
Component	Qty	Component Description
FORM#40031	1	instruction sheet
0034	1	dome badge
00461	1	warning to driver decal
00467	1	U.S.A. flag decal

LEVEL 1 K1008

Kit Part Number K1008			Kit Part Number 77-40031		
Component	Qty	Component Description	Component	Qty	Component Description
40031	1	level-it kit box	14MX2X100CS	2	14mm x 2.0 x 100mm bolt
9083	1	block kit, rear	14MFW	2	14mm flat washer
88500	2	shock cylinder, front	F470L	1	thread locker
85150	2	shock cylinder, rear			
			Kit Part Number 77-1509		
Kit Part Number 40031			Component	Qty	Component Description
Component	Qty	Component Description	1511-B09	8	9/16" high nut
55-01-40031	2	coil seat spacer, lower	916CW	8	9/16" ubolt washer
77-40031	1	hardware bag			
88-40031	1	instruction bag	Kit Part Number 77-80026		
			Component	Qty	Component Description
Kit Part Number 9083			02-2210	1	0.75" OD x 0.562" ID x 1.75" long, sleeve
Component	Qty	Component Description	142731	1	shock stem bushing pack
021	2	block, rear	01-60419	1	shock eye bushing
11962	4	9/16" x 3-1/4" x 15" ubolt, large radius			
77-1509	1	hardware bag	Kit Part Number 77-80028		
			Component	Qty	Component Description
Kit Part Number 88500			01-60416	2	shock eye bushing
Component	Qty	Component Description	01-60455	1	0.625" OD x 0.479" ID x 1.48" long, sleeve
01-88500	1	shock cylinder, front	01-60435	2	0.625" OD x 0.5625" ID x 1.55" long, sleeve
77-80026	1	hardware bag	01-60450	1	0.625" OD x 0.504" ID x 1.48" long, sleeve
			01-60451	1	0.625" OD x 0.505" ID x 1.38" long, sleeve
Kit Part Number 85150			01-60454	1	0.625" OD x 0.401" ID x 1.48" long, sleeve
Component	Qty	Component Description	01-60430	1	0.625" OD x 0.50" ID x 2.25" long, sleeve w/washer
01-85150	1	shock cylinder, rear			
77-80028	1	hardware bag	Kit Part Number 88-40031		
			Component	Qty	Component Description
			FORM#40031	1	instruction sheet
			0034	1	dome badge
			00461	1	warning to driver decal
			00467	1	U.S.A. flag decal
			ITEMS HIGHLIGHTED IN GRAY ARE NOT USED IN THIS KIT.		

LEVEL 1 K1009

Kit Part Number K1009			Kit Part Number 77-40031		
Component	Qty	Component Description	Component	Qty	Component Description
40031	1	level-it kit box	14MX2X100CS	2	14mm x 2.0 x 100mm bolt
9025	1	block kit, rear	14MFW	2	14mm flat washer
88500	2	shock cylinder, front	F470L	1	thread locker
85150	2	shock cylinder, rear			
Kit Part Number 40031			Kit Part Number 77-1505		
Component	Qty	Component Description	Component	Qty	Component Description
55-01-40031	2	coil seat spacer, lower	1511-B10	8	5/8" high nut
77-40031	1	hardware bag	58CW	8	5/8" ubolt washer
88-40031	1	instruction bag			
Kit Part Number 9025			Kit Part Number 77-80026		
Component	Qty	Component Description	Component	Qty	Component Description
021	2	block, rear	02-2210	1	0.75" OD x 0.562" ID x 1.75" long, sleeve
11642	4	5/8" x 3-5/8" x 14" ubolt, round	142731	1	shock stem bushing pack
77-1505	1	hardware bag	01-60419	1	shock eye bushing
Kit Part Number 88500			Kit Part Number 77-80028		
Component	Qty	Component Description	Component	Qty	Component Description
01-88500	1	shock cylinder, front	01-60416	2	shock eye bushing
77-80026	1	hardware bag	01-60455	1	0.625" OD x 0.479" ID x 1.48" long, sleeve
Kit Part Number 85150			01-60435	2	0.625" OD x 0.5625" ID x 1.55" long, sleeve
Component	Qty	Component Description	01-60450	1	0.625" OD x 0.504" ID x 1.48" long, sleeve
01-85150	1	shock cylinder, rear	01-60451	1	0.625" OD x 0.505" ID x 1.38" long, sleeve
77-80028	1	hardware bag	01-60454	1	0.625" OD x 0.401" ID x 1.48" long, sleeve
			01-60430	1	0.625" OD x 0.50" ID x 2.25" long, sleeve w/washer
			Kit Part Number 88-40031		
			Component	Qty	Component Description
			FORM#40031	1	instruction sheet
			0034	1	dome badge
			00461	1	warning to driver decal
			00467	1	U.S.A. flag decal
			ITEMS HIGHLIGHTED IN GRAY ARE NOT USED IN THIS KIT.		

LEVEL - IT 40031

Step	Component	Qty. Per Kit	Component Description	New Attaching Hardware	Qty. Per Component	Hardware Bag Number
7	55-01-40031	2	coil seat spacer, lower	14mm x 2.0 x 100mm bolt	2	77-40031
				14mm flat washer	2	
				thread locker	1	

LEVEL 1 K1008 AND K1009

Step	Component	Qty.	Component Description	New Attaching Hardware	Qty. Per Component	Hardware Bag Number
7	55-01-40031	2	coil seat spacer, lower	14mm x 2.0 x 100mm bolt	2	77-40031
				14mm flat washer	2	
				thread locker	1	
11	01-88500 (658457)	2	shock cylinder, front	0.75" OD x 0.562" ID x 1.75" long, sleeve	1	77-80026
				shock stem bushing pack	1	
				shock eye bushing	1	
21	021	2	block, rear	9/16" x 3-1/4" x 15" ubolt, large radius	4	77-1509
				9/16" high nut	8	
				9/16" ubolt washer	8	
	OR					
21	021	2	block, rear	5/8" x 3-5/8" x 14" ubolt, round	4	77-1505
				5/8" high nut	8	
				5/8" ubolt washer	8	
22	01-85150 (650341)	2	shock cylinder, rear	shock eye bushing	2	
				0.625" OD x 0.479" ID x 1.48" long, sleeve	1	

FRONT PROCEDURES

NOTE: Save all factory components and hardware for reuse, unless noted.

1) PREPARE VEHICLE...

☐ Chock rear tires and place transmission in neutral. Loosen the radius arm bolts at the frame and the axle. Raise front of vehicle with a jack and secure a jack stand beneath each frame rail, behind the radius arms. Ease the frame down onto the stands and place transmission in park. Remove front tires.

2) SHOCK ABSORBERS...

☐☐ If a Level-It was purchased, only remove the lower shock bolt and free the shock absorber from the lower shock mount on the axle. If a Level 1 was purchased, remove the shock from the vehicle and discard.

3) SWAY BAR LINK...

☐☐ Remove the top nut from the sway bar link. Once the top nut from both sides has been removed, lift the sway bar off the links.

4) BRAKE HOSE BRACKET... [Illustration 1]

☐☐ Remove the bolt attaching the brake hose bracket to the lower coil seat.

5) COIL SPRING REMOVAL...

☐☐ Slowly lower the axle enough to remove the coil

Illustration 1



spring from the vehicle. Make sure no hoses or lines are in a bind when lowering the axle.

6) LOWER COIL SEAT REMOVAL...

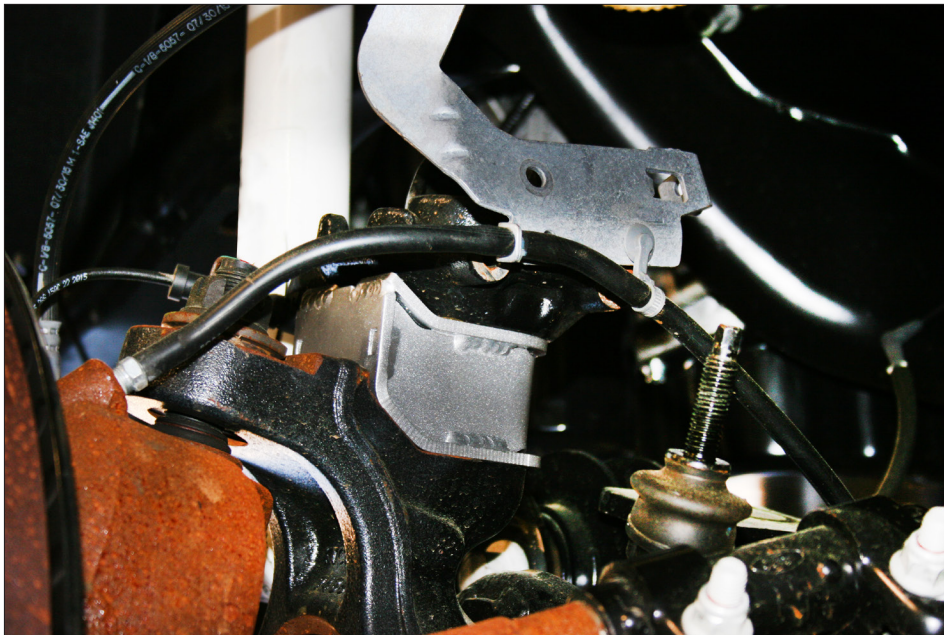
- ☐ Remove the bolt attaching the lower coil seat to the axle.

7) LEVEL-IT SPACER...[Illustration 2]

- ☐ Make sure the axle is free from debris and place the new Level-it spacer (55-01-40031) on the axle.

- ☐ Make sure the lower coil seat's mounting surface is free from debris and place it on top of the Level-it spacer. Apply the supplied thread locker to the new 14mm bolt. Install bolt and washer. Tighten (101).

Illustration 2



8) COIL SPRING INSTALLATION...

- ☐ Install the factory coil spring, making sure the coil seats properly in the lower coil seat.

9) BRAKE HOSE BRACKET...

- ☐ Reattach the brake hose bracket to the lower coil seat using the factory hardware. Tighten (17).

10) SWAY BAR LINK...

- ☐ Position the sway bar on top of the sway bar links and reattach the top nut to the sway bar link. Tighten (35).

11) SHOCK ABSORBERS...

- ☐ If a Level-It was purchased, reattach the shock to the axle using the factory hardware. Do not tighten at this time. If a Level 1 was purchased, install the new shock absorber (88500 (658457)) with the shaft mounting to the frame using the supplied nut and the body of the shock to the axle using the supplied bushings and sleeve, secure with the factory bolt and nut. Do not tighten at this time.

12) TIRES / WHEELS...

- ☐ [Illustration 3] Reattach the tires and wheels. Tighten lug nuts (140) in the sequence shown.

WARNING: When the tires / wheels are installed, always check for and remove any corrosion, dirt, or foreign material on the wheel mounting surface, or anything that contacts the wheel mounting surface (hub, rotor, etc.). Installing wheels without the proper metal-to-metal contact at the wheel mounting surfaces can cause the lug nuts to loosen and the wheel to come off while the vehicle is in motion.

WARNING: Retighten lug nuts at 500 miles after any wheel change, or anytime the lug nuts are loosened. Failure to do so could cause wheels to come off while vehicle is in motion.

13) INITIAL CLEARANCE CHECK...

☐ ☐ With the vehicle's frame rails still on jack stands, and the suspension "hanging" at full extension travel, cycle steering lock-to-lock and check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels and brake hoses, wiring, etc.

14) RADIUS ARMS...

☐ ☐ Lower vehicle to the floor. The suspension is now supporting vehicle weight. Tighten radius arm bolts (230).

15) SHOCK ABSORBERS...

☐ ☐ If a Level-it was purchased, tighten the lower shock bolt (136). If a Level 1 was purchased, tighten the lower shock bolt (136) and the upper shock nut until the bushings swell slightly.

16) FINAL CLEARANCE and TORQUE CHECK...

☐ ☐ With vehicle on floor, cycle steering lock-to-lock and inspect the tires / wheels, steering, suspension, and brake systems for proper operation, tightness, and adequate clearance.

17) HEADLIGHTS...

☐ Readjust headlights to proper setting.

18) SUPERLIFT WARNING DECAL...

☐ Install the "WARNING TO DRIVER" decal on the inside of the windshield, or on the dash, within driver's view.

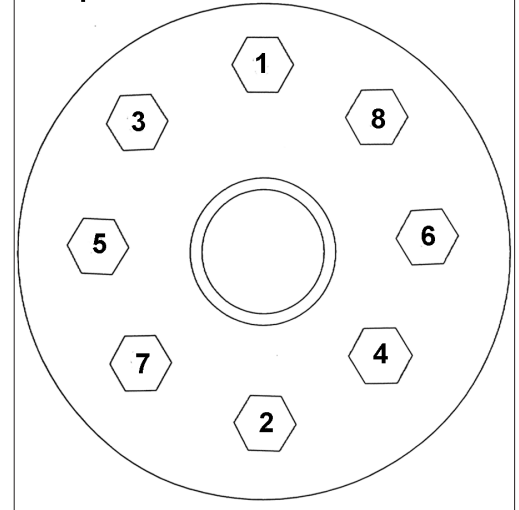
19) SUPERLIFT BADGES...

☐ This kit is packaged with a small Superlift badge for a location of your choosing. Prior to installation, use the supplied alcohol pad to eliminate all soap and or other non-adhering residues that may impair adhesion, thoroughly clean the entire area of placement.

☐ Remove the adhesive back and place in the desired location. The adhesive on our badges is pressure sensitive and must be applied using pressure on all areas of the graphic. Like any PSA (pressure sensitive adhesive), it can take up to 72 hours for the adhesive to fully cure. Once the badge is in place do not peel it up, this will diminish the adhesive properties and could result in damaging the badge itself.

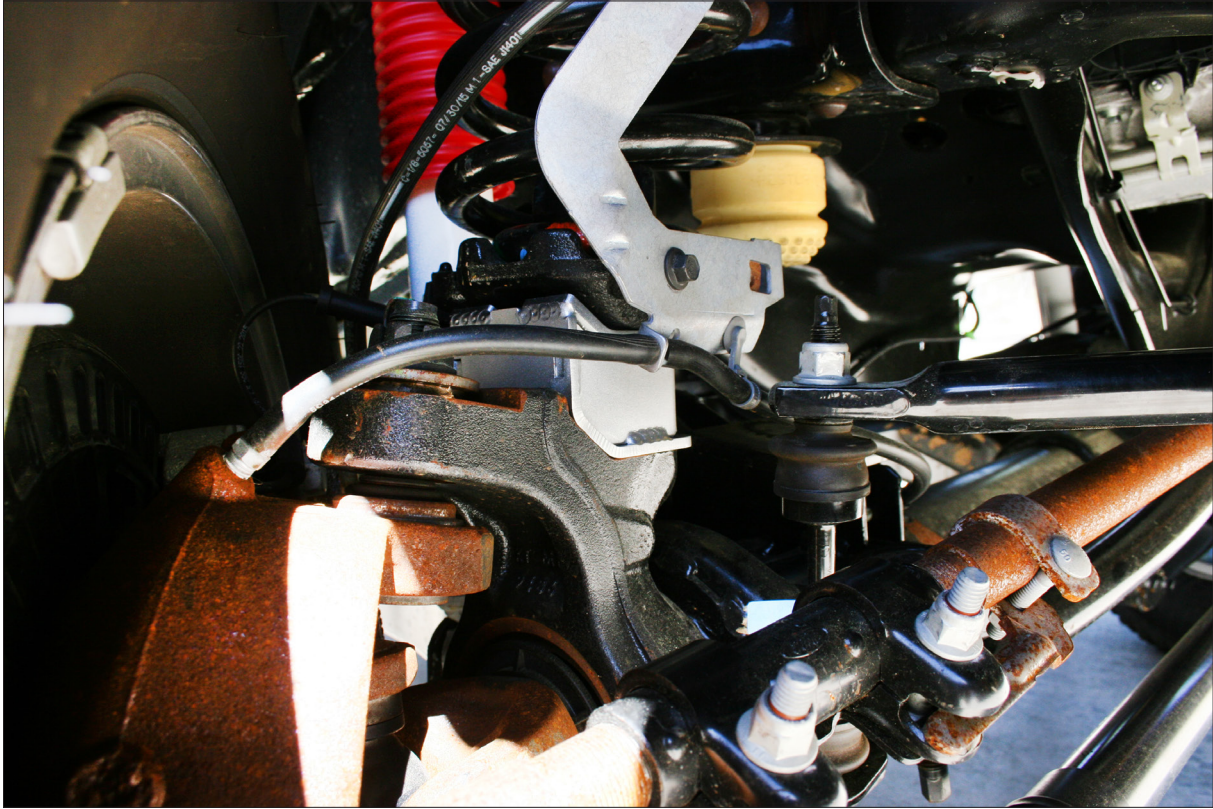
Illustration 3

DIAGRAM 3 - FACTORY LUG NUT TORQUE SEQUENCE - Torque the factory lug nuts to 148 lb-ft in this sequence.



☐ To keep your Superlift badge in “like new” appearance keep the badge free/clear of solvents and chemicals that could cause the adhesive to dry or dissolve. This includes but not limited to gasoline, diesel fuel, paint thinner, and alcohol. Soap and water is all that is needed for cleaning. Degreasers can be used sparingly and hand wiped / applied if needed, although not suggested.

COMPLETED INSTALL



IF A LEVEL-IT WAS PURCHASED, THE INSTALL IS COMPLETE...ENJOY!!

IF A LEVEL 1 WAS PURCHASED, MOVE TO THE REAR INSTALLATION STEPS.

REAR PROCEDURES

20) REAR LIFT PREPARATION...

☐ Verify the vehicle is in park and chock the front tires. Raise the rear of the vehicle with a jack and secure a jack stand beneath each frame rail in front of the rear leaf spring. Support the rear axle housing with a jack. Remove rear tires.

☐ Remove and discard the rear shock absorbers.

21) LIFT BLOCKS...

☐ Remove the u-bolts from one side of the axle, then loosen (but do not remove) the u-bolts on the other side.

☐ On the side with the u-bolts removed, lower the axle enough to facilitate installing the lift block. Be sure the bottom of the spring and the top of the spring perch are clean and free of debris, then

seat the pin of the new block (021) in the spring perch. Line up the center pin of the spring with the hole in the block, then raise the axle enough to seat the block. If vehicle is equipped with a factory rear block, place the new Superlift block on top of the factory block.

☐ ☐ Install the u-bolts and slightly snug them for now using an "X" pattern. Remove the u-bolts from the other end of the axle and then install the blocks and supplied u-bolts; make sure the bottom of the spring and the top of the spring perch are clean and free of debris.

☐ ☐ Tighten all u-bolts in an "X" pattern. 5/8" u-bolts (180); 9/16" u-bolts (129).

22) SHOCK ABSORBERS...

☐ ☐ Install the bushings and sleeves in the new rear shocks (85150 (650341)). The lower bushing only uses a sleeve.

☐ ☐ Install the shocks in the factory location using the factory hardware. Shocks must be installed with the shaft end mounting to the frame and the body mounting to the axle. Tighten the upper (85) and lower (85) hardware.

23) TIRES / WHEELS...

☐ ☐ [Illustration 3] Reattach the tires and wheels. Snug lug nuts and lower vehicle to the ground. Tighten lug nuts (140) in the sequence shown.



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