

# SKYJACKER

## SUSPENSIONS

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### 2003-2008 Dodge Ram 2500 4WD 2003-2008 Dodge Ram 3500 4WD Dual Steering Stabilizer Kit Installation Instructions

#### Required Tools List:

- SAE Sockets \ Wrenches (1/2", 9/16", 11/16" & 3/4")
- Metric Sockets \ Wrenches
- Adjustable Locking Pliers or C-Clamp
- Diagonal Cutting Pliers
- Adjustable Pliers
- Ball Peen Hammer
- Power Drill
- Drill Bit (3/8")
- Center Punch
- Safety Glasses
- Wheel Chock
- Torque Wrench



Before beginning the installation, read these instructions thoroughly & completely. Please refer to the Parts List to insure that all parts & hardware are received prior to disassembly of the vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain the needed items. If you have any questions or reservations about installing this product, contact SKYJACKER® Technical Assistance at 318-388-0816.

#### Component Box Breakdown:

##### Part # 2213

Item #	Description	Qty
2000AS	ADX HD STEERING DAMPER, ALU	2
ADXSD	DECAL, ADX 2.0 STABILIZER	2
HB-8213	HDWR BAG: 2213/8213 STAB.	1
7213-DB	BRACKET, DRIVER	1
7213-MB	BRACKET, CENTER MAIN	1
7213-PB	BRACKET, PASSENGER	1

##### Part # 8213

Item #	Description	Qty
8000BS	STEERING DAMPER, BLACK	2
B10KS	BOOT STABILIZER, BLACK	2
BTIE-K	BOOT CABLE TIE, BLACK	2
MXSD	DECAL, BLACK MAX STABILIZER	2
HB-8213	HDWR BAG: 2213/8213 STAB.	1
7213-DB	BRACKET, DRIVER	1
7213-MB	BRACKET, CENTER MAIN	1
7213-PB	BRACKET, PASSENGER	1

#### Hardware Bag Breakdown:

##### Part # HB-8213

Item #	Description	Qty
12X3FTB	1/2 X 3 FINE THREAD BOLT	1
12X212FTB	1/2 X 2-1/2 FINE THREAD BOLT	1
12X112FTB	1/2 X 1-1/2 FINE THREAD BOLT	1
12FTN	1/2 FINE THREAD N/I LOCK NUT	3
12SAEW	1/2 SAE WASHER	6
140629	EB6 STUD, BAG# 141397	4
142121	ES24 SLEEVE, 1.38 LONG	1
516X114X134U	5/16 X 1-1/4 X 1-3/4 U-BOLT, RD	2
516CTN	5/16 COURSE N/I LOCK NUT	4
516SAEW	5/16 SAE WASHER	4
38X114FTB	3/8 X 1-1/4 FINE THREAD BOLT	4
38FTN	3/8 FINE THREAD N/I LOCK NUT	4
38SAEW	3/8 SAE WASHER	8
81004	TAPERED SLEEVE, 1/2 ID	1
HG5815-K	HOURLASS, 5/8 X 1.50, BLACK	4

**Component Box Breakdown:****Part # 7213**

Item #	Description	Qty
7000WS	STEERING DAMPER, WHITE	2
B10RS	BOOT STABILIZER, RED	2
BTIE	BOOT CABLE TIE, RED	2
HYDRO 6X2-CL	DECAL, HYDRO STABILIZER	2
HB-7213	HDWR BAG: 7213/9213 STAB.	1
7213-DB	BRACKET, DRIVER	1
7213-MB	BRACKET, CENTER MAIN	1
7213-PB	BRACKET, PASSENGER	1

**Part # 9213**

Item #	Description	Qty
9000WS	STEERING DAMPER, SILVER	2
B10KS	BOOT STABILIZER, BLACK	2
BTIE-K	BOOT CABLE TIE, BLACK	2
SSD	DECAL, SILVER STABILIZER	2
HB-7213	HDWR BAG: 7213/9213 STAB.	1
7213-DB	BRACKET, DRIVER	1
7213-MB	BRACKET, CENTER MAIN	1
7213-PB	BRACKET, PASSENGER	1

**Hardware Bag Breakdown:****Part # HB-7213**

Item #	Description	Qty
12X3FTB	1/2 X 3 FINE THREAD BOLT	1
12X212FTB	1/2 X 2-1/2 FINE THREAD BOL	1
12X112FTB	1/2 X 1-1/2 FINE THREAD BOLT	1
12FTN	1/2 FINE THREAD N/I LOCK NUT	3
12SAEW	1/2 SAE WASHER	6
140629	EB6 STUD, BAG# 141397	4
142121	ES24 SLEEVE, 1.38 LONG	1
516X114X134U	5/16 X 1-1/4 X 1-3/4 U-BOLT, RD	2
516CTN	5/16 COURSE N/I LOCK NUT	4
516SAEW	5/16 SAE WASHER	4
38X114FTB	3/8 X 1-1/4 FINE THREAD BOLT	4
38FTN	3/8 FINE THREAD N/I LOCK NUT	4
38SAEW	3/8 SAE WASHER	8
81004	TAPERED SLEEVE, 1/2 I.D.	1
HOURGLASS 5/8	HOURGLASS, 5/8 X 1.50, RED	4

**Pre-Installation Tips: Install Stabilizer Boots, Bushings & #EB6 Studs.**

1. Install supplied Stabilizer Boot over Skyjacker Steering Stabilizer. Attach boot to cylinder body with supplied Boot Cable Tie. Remove excess cable tie with diagonal cutting pliers.
2. Coat Hourglass Bushings with a water resistant grease & press into Each Stabilizer Eye.
3. Coat straight portion of # EB6 Standard Stud & press into Each Stabilizer Eye bushing. Install large flat washer, lock washer & nut. (Photo # 1) **Tech Note:** Install shaft end with stud Up through bushing eye. Install cylinder body end with stud Down through bushing eye. (Photo # 9 & # 10)  
Tighten nut using 11/16" socket\wrench until lock washer is compressed & bushing starts to swell slightly.

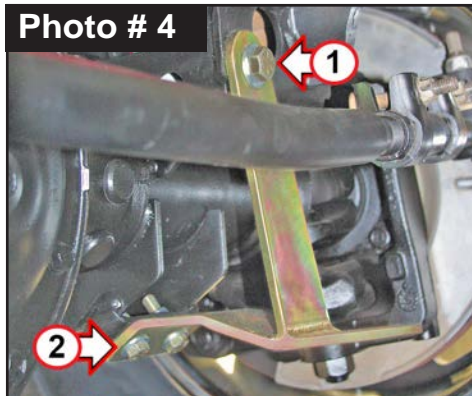
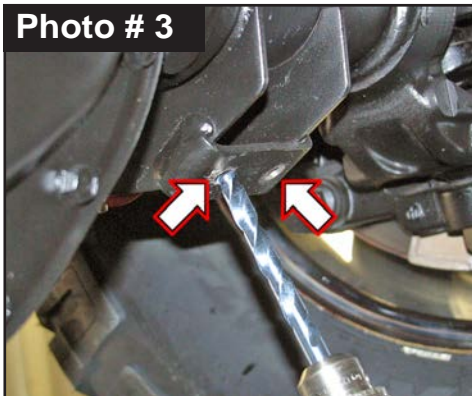
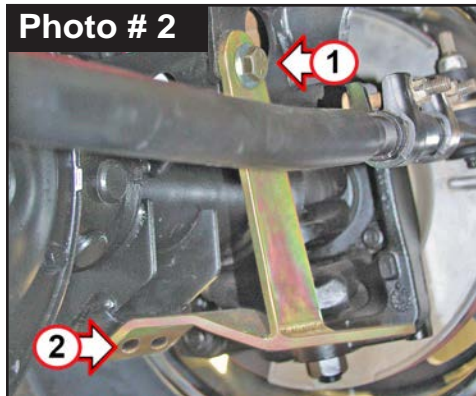
**Photo # 1****Installation: Note: Save all factory components & hardware for reuse, unless noted.**

1. Chock rear tires\wheels. Ensure that vehicle transmission is in PARK & engage emergency brake. **Note:** Be sure steering wheel\wheels are pointing straight forward.
2. Remove OEM steering stabilizer from passenger side frame mount & from tie rod stud mount. Remove OEM stud from tie rod. **Note:** Stud is a tapered press fit & may be difficult to remove. Apply penetrating oil. Tap stud using a ball peen hammer to loosen.
3. Align Skyjacker # 7213-DB Driver Side Bracket to OEM mounting hole in bottom of coil spring mount. (Photo # 2) Insert supplied 1/2" x 1-1/2" Fine Thread Bolt & 1/2" SAE Washer from front-to-back through bracket & mounting hole. Attach with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket\wrench. Secure, but **Do Not Completely Tighten.**

- Align lower two (2) mounting holes of Skyjacker Bracket with OEM lower link arm mount. Use bracket as a guide to mark & center punch holes. (Photo # 2) **Tech Note:** Adjustable locking pliers or a C-clamp can be used to hold bracket in place.

Drill out holes using a 3/8" drill bit. (Photo # 3) If removed, reattach bracket at top mount.

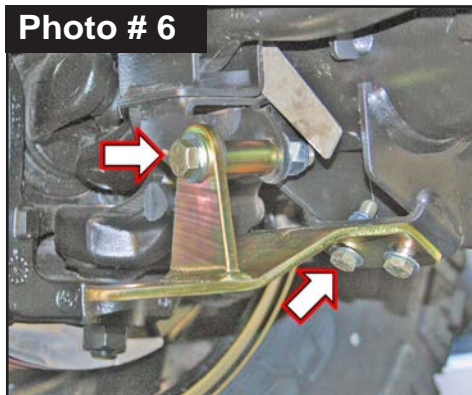
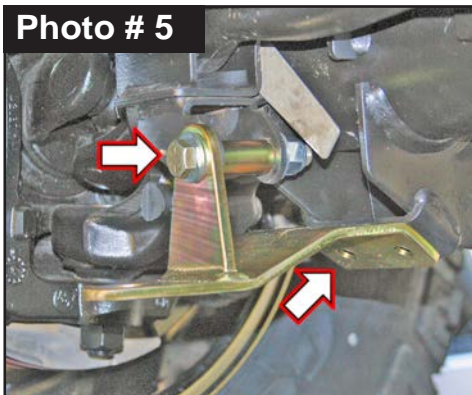
- Install supplied 3/8" x 1-1/4" Fine Thread Bolt & 3/8" SAE Washer from front-to-rear through bracket & drilled holes. Attach with 3/8" SAE Washer & 3/8" Nylon Insert Lock Nut using a 9/16" socket \ wrench. (Photo # 4) Torque 1/2" bolt to 90 ft-lbs. Torque 3/8" bolts to 35 ft-lbs.



- Align Skyjacker # 7213-PB Passenger Side Bracket to OEM steering stabilizer mount on axle. Insert supplied 1/2" x 3" Fine Thread Bolt & 1/2" SAE Washer from front-to-back through bracket. Insert # 142121 ES24 Crush Sleeve between OEM steering stabilizer mount. Attach with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. (Photo # 5) Secure, but **Do Not Completely Tighten.**

- Repeat Steps 4 & 5 for Passenger Side lower mount. (Photo # 6)

- Insert supplied # 81004 Tapered Sleeve 1/2" ID into OEM steering stabilizer tie rod stud mount.

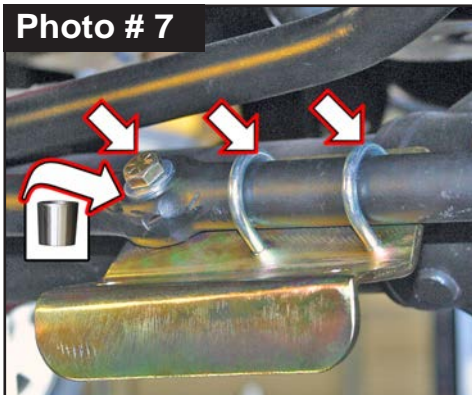


Align Skyjacker # 7213-MB Center Main Bracket to OEM steering stabilizer tie rod stud mount. Insert supplied 1/2" x 2-1/2" Fine Thread Bolt & 1/2" SAE Washer from front-to-back through bracket. Attach with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. (Photo # 7)

Attach with supplied 5/16" x 1-1/4" x 1-3/4" U-bolts from top-to-bottom around OEM tie rod through Skyjacker bracket mounting holes.

Attach U-Bolts with supplied 5/16" SAE Washers & 5/16" Nylon Insert Lock Nut using a 1/2" socket \ wrench.

(Photo # 8) Torque 240 in-lbs.



- Install stabilizer cylinder body stud to passenger side mount tab hole on Main Center Bracket. Extend stabilizer shaft out & attach stud to Passenger Side Bracket.

**NOTE:** Install cylinder body end with stud Down below Main Center Bracket. Install shaft end with stud Up above Passenger Side Bracket. (Photo # 9)

**Photo # 9**



- Repeat Steps 9 on Driver Side.

- Cycle steering from side-to-side & check for adequate clearance. Check all brackets & bolts for proper installation. (Photo # 10)

**Photo # 10**



**Final Notes:**

- After installation is complete, double check that all nuts & bolts are tight.
- With vehicle placed on ground, cycle steering lock to lock & inspect steering for proper operation, tightness & adequate clearance.
- After first 100 miles, check all hardware for proper torque & periodically thereafter.

TORQUE SPECIFICATIONS					
INCH SYSTEM			METRIC SYSTEM		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
5/16	180 in-lbs	240 in-lbs	6MM	60 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	216 in-lbs	23 ft-lbs
7/16	45 ft-lbs	60 ft-lbs	10MM	32 ft-lbs	45 ft-lbs
1/2	65 ft-lbs	90 ft-lbs	12MM	55 ft-lbs	75 ft-lbs
9/16	95 ft-lbs	130 ft-lbs	14MM	85 ft-lbs	120 ft-lbs
5/8	135 ft-lbs	175 ft-lbs	16MM	130 ft-lbs	165 ft-lbs
3/4	185 ft-lbs	280 ft-lbs	18MM	170 ft-lbs	240 ft-lbs

**Above Specifications Are Not to Be Used When Bolt Is Being Installed With a Bushing.**

**Seat Belts Save Lives. Please Wear Your Seat Belt.**