

SKYJACKER

SUSPENSIONS

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1999-2004 Ford F250\F350 4WD
 2000-2005 Ford Excursion 4WD
 HD OEM Replacement
 Steering Stabilizer Kit
 Installation Instructions

Required Tools List:

- SAE Sockets \ Wrenches (1/2", 11/16" & 3/4")
- Diagonal Cutting Pliers
- 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 # 2099

Item #	Description	Qty
2000AS	ADX HD STEERING DAMPER, ALU	1
ADXSD	DECAL, ADX 2.0 STABILIZER	1
HB-8099	HDWR BAG: 2099/8099 STAB.	1

Part # 2199

Item #	Description	Qty
2000AS	ADX HD STEERING DAMPER, ALU	1
ADXSD	DECAL, ADX 2.0 STABILIZER	1
HB-8199	HDWR BAG: 2199/8199 STAB.	1

Part # 7099

Item #	Description	Qty
7000WS	STEERING DAMPER, WHITE	1
B10RS	BOOT STABILIZER, RED	1
BTIE	BOOT CABLE TIE, RED	1
HYDRO 6X2-CL	DECAL, HYDRO STABILIZER	1
HB-7099	HDWR BAG: 7099 / 9099 STAB.	1

Part # 7199

Item #	Description	Qty
7000WS	STEERING DAMPER, WHITE	1
B10RS	BOOT STABILIZER, RED	1
BTIE	BOOT CABLE TIE, RED	1
HYDRO 6X2-CL	DECAL, HYDRO STABILIZER	1
HB-7199	HDWR BAG: 7199 / 9199 STAB.	1

Part # 8099

Item #	Description	Qty
8000BS	STEERING DAMPER, BLACK	1
B10KS	BOOT STABILIZER, BLACK	1
BTIE-K	BOOT CABLE TIE, BLACK	1
MXSD	DECAL, BLACK MAX STABILIZER	1
HB-8099	HDWR BAG: 2099/8099 STAB.	1

Part # 8199

Item #	Description	Qty
8000BS	STEERING DAMPER, BLACK	1
B10KS	BOOT STABILIZER, BLACK	1
BTIE-K	BOOT CABLE TIE, BLACK	1
MXSD	DECAL, BLACK MAX STABILIZER	1
HB-8199	HDWR BAG: 2199/8199 STAB.	1

Part # 9099

Item #	Description	Qty
9000WS	STEERING DAMPER, SILVER	1
B10KS	BOOT STABILIZER, BLACK	1
BTIE-K	BOOT CABLE TIE, BLACK	1
SSD	DECAL, SILVER STABILIZER	1
HB-7099	HDWR BAG: 7099 / 9099 STAB.	1

Part # 9199

Item #	Description	Qty
9000WS	STEERING DAMPER, SILVER	1
B10KS	BOOT STABILIZER, BLACK	1
BTIE-K	BOOT CABLE TIE, BLACK	1
SSD	DECAL, SILVER STABILIZER	1
HB-7199	HDWR BAG: 7199 / 9199 STAB.	1

Hardware Bag Breakdown:**Part # HB-7099**

Item #	Description	Qty
HOURGLASS 5/8	HOURGLASS, 5/8 X 1.50, RED	2
141509	ES25 SLEEVE, 1.50 LONG	2
12USSW	1/2 USS WASHER	3

Part # HB-7199

Item #	Description	Qty
7199-B	TIE ROD BRACKET	1
516X114X134U	5/16 X 1-1/4 X 1-3/4 U-BOLT, RD	2
516CTN	5/16-18 COARSE N/I LOCK NUT	4
516SAEW	5/16 SAE WASHER	4
HOURGLASS 5/8	HOURGLASS, 5/8 X 1.50, RED	2
141509	ES25 SLEEVE, 1.50 LONG	1
140629	EB6 STUD PACKAGE 141397	1
12X3FTB	1/2 X 3 FINE THREAD BOLT	1
12FTN	1/2-20 FINE THRD N/I LOCK NUT	1
12SAEW	1/2 SAE WASHER	2

Hardware Bag Breakdown:**Part # HB-8099**

Item #	Description	Qty
HG5815-K	HOURGLASS, 5/8 X 1.50, BLACK	2
141509	ES25 SLEEVE, 1.50 LONG	2
12USSW	1/2 USS WASHER	3

Part # HB-8199

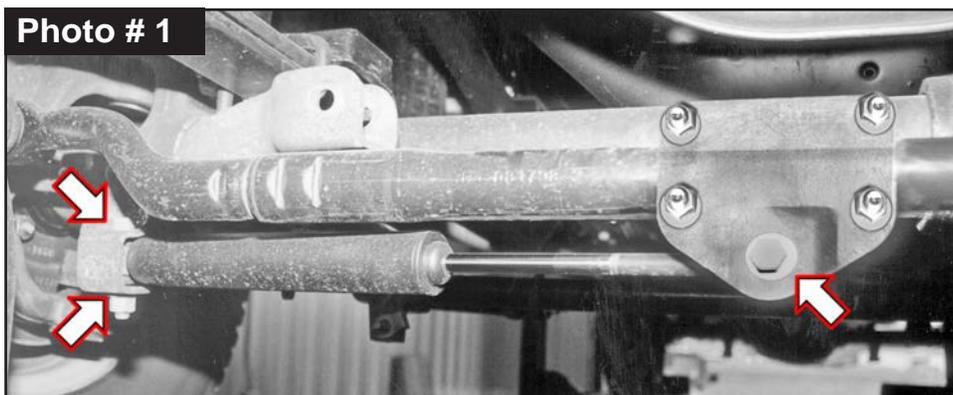
Item #	Description	Qty
7199-B	TIE ROD BRACKET	1
516X114X134U	5/16 X 1-1/4 X 1-3/4 U-BOLT, RD	2
516CTN	5/16-18 COARSE N/I LOCK NUT	4
516SAEW	5/16 SAE WASHER	4
HG5815-K	HOURGLASS, 5/8 X 1.50, BLACK	2
141509	ES25 SLEEVE, 1.50 LONG	1
140629	EB6 STUD PACKAGE 141397	1
12X3FTB	1/2 X 3 FINE THREAD BOLT	1
12FTN	1/2-20 FINE THRD N/I LOCK NUT	1
12SAEW	1/2 SAE WASHER	2

2099, # 7099, # 8099 & # 9099**Pre-Installation Tips: Install Stabilizer Boot, Bushings & Sleeves.**

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. **# 2099, # 7099, # 8099 & # 9099** Coat Hourglass Bushings with a water resistant grease & press into Each Stabilizer Eye.
Coat 1.50" Steel Sleeve & press into Each Stabilizer Eye Bushing.

HB-7099**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 axle mount & from tie rod mount. (Photo # 1) Retain OEM hardware.

Photo # 1

3. Install Skyjacker Steering Stabilizer. (Photo # 2)
First attach stabilizer cylinder body end to OEM axle mount with OEM hardware.

Caution: If installed opposite way, damage can occur to Skyjacker Steering Stabilizer.



4. Next, extend stabilizer shaft end out & attach to driver side OEM tie rod mount.
5. Cycle steering from side-to-side & check for adequate clearance. Check all brackets & bolts for proper installation.

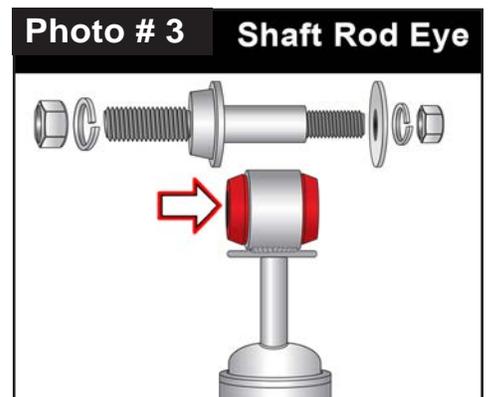
Final Notes:

- 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.

2199, # 7199, # 8199 & # 9199

Pre-Installation Tips: Install Stabilizer Boot, Bushings & Hardware.

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. **# 2199, # 7199, # 8199 & # 9199** Coat Hourglass Bushings with a water resistant grease & press into Each Stabilizer Eye.
Coat 1.50" Steel Sleeve & press into Cylinder Body Eye Bushing Only.
Coat straight portion of # EB6 Standard Stud & press into Shaft Rod Eye Bushing. Install large flat washer, lock washer & nut. (Photo # 3) Tighten nut using 11/16" socket \ wrench until lock washer is compressed & bushing starts to swell slightly.

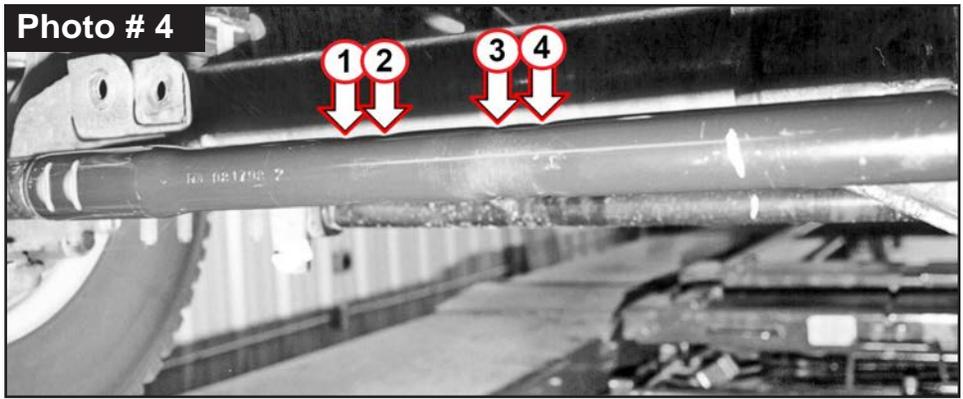


Installation: Note: Save all factory components & hardware for reuse, unless noted.

1. Chock rear tires \ wheels. Ensure that vehicle transmission is in PARK and engage emergency brake. **Note:** Be sure steering wheel \ wheels are pointing straight forward.
2. Remove OEM steering stabilizer from passenger side axle mount & from tie rod mount. (Photo # 1) Retain OEM hardware.

- Remove OEM tie rod mounting bracket.

Note: Counting from passenger-to-driver side, notice the four (4) indentions on top of the OEM tie rod. (Photo # 4)



- Using #2 & #4 indentions as a guide, install Skyjacker # 7199-B Tie Rod Bracket on rear side of tie rod. (Photo # 5)

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

Attach bracket with supplied 5/16" SAE Washers & 5/16" Nylon Insert Lock Nuts using a 1/2" socket \ wrench. Secure, but **Do Not Completely Tighten.**



- Attach stabilizer cylinder body end to OEM axle mount with supplied 1/2" x 3" Bolt with 1/2" SAE Washer from top-to-bottom. Attach with 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using 3/4" socket \ wrench. Torque 65 ft-lb.
- Extend stabilizer shaft end out & attach to Skyjacker tie rod bracket mount. Tighten stud into place with supplied lock nut using a 3/4" socket \ wrench. Tighten & Torque Tie Rod Bracket. Torque U-Bolts 240 in-lbs.
- Cycle steering from side-to-side & check for adequate clearance. Check all brackets & bolts for proper installation. **Note:** If needed, Skyjacker steering stabilizer bracket on tie rod can be rolled down slightly to allow for adequate clearance. Loosen bracket on tie rod & rotate for clearance. Tighten & Torque Tie Rod Bracket. Torque U-Bolts 240 in-lbs.

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.					