



1999-2004 Ford F250\F350 4WD
2000-2005 Ford Excursion 4WD
Steering Stabilizer
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 # 7099 / 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-7099	HDWR BAG: 7099 / 9099	1
HB-7199	HDWR BAG: 7199 / 9199	1

Part # 8099 / 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-8099	HDWR BAG: 8099	1
HB-8199	HDWR BAG: 8199	1

Part # 9099 / 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-7099	HDWR BAG: 7099 / 9099	1
HB-7199	HDWR BAG: 7199 / 9199	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

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-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 N/I LOCK NUT	1
12SAEW	1/2 SAE WASHER	2

Part # HB-8199

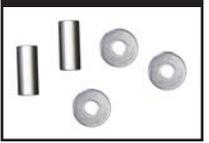
Item #	Description	Qty
7199-B	TIE ROD BRACKET	1
516X114X134U	5/16 X 1-1/4 X 1-3/4 U-BOLT, RD	2
516CTN	5/16-18 COARSE N/I LOCK NUT	4
516SAEW	5/16 SAE WASHER	4
HG5815-K	HOURGLASS, 5/8 X 1.50, BLACK	2
141509	ES25 SLEEVE, 1.50 LONG	1
140629	EB6 STUD PACKAGE 141397	1
12X3FTB	1/2 X 3 FINE THREAD BOLT	1
12FTN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

7099, # 8099 & # 9099

Pre-Installation Tips: Install Stabilizer Boot, Bushings and 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. **# 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

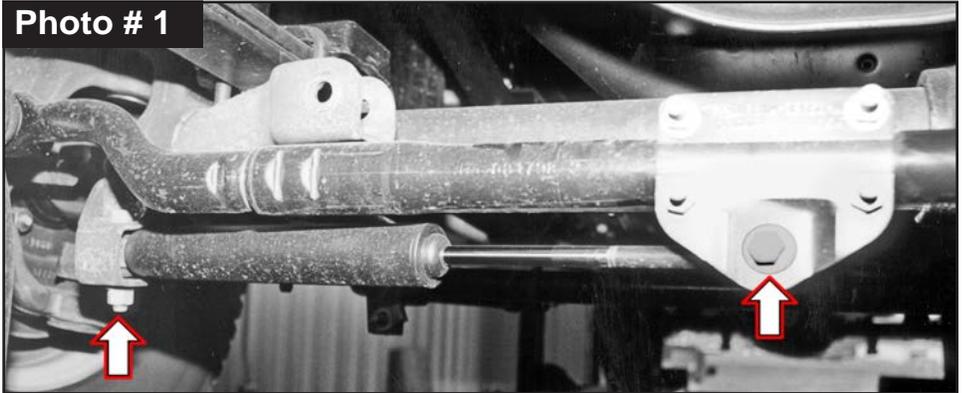


Installation: Note: Save all factory components & hardware for reuse, unless noted.

1. Chock rear tires\wheels. Ensure that vehicle transmission is in PARK 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. (See Photo # 1) Retain OEM hardware.

Photo # 1



3. Install Skyjacker Steering Stabilizer. (See 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. After installation be sure to cycle steering & check for adequate clearance.

Photo # 2



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.

7199, # 8199 & # 9199

Pre-Installation Tips: Install Stabilizer Boot, Bushings and 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. **# 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 stabilizer shaft eye bushing. Install large flat washer, lock washer & nut. (See Photo # 3)

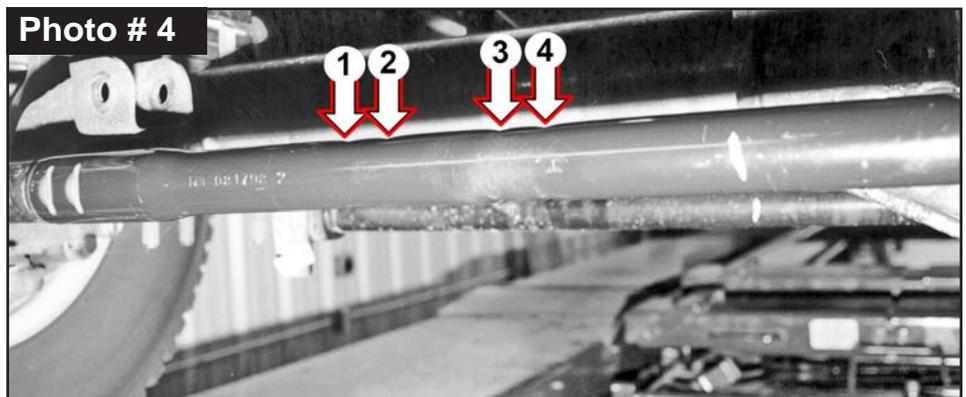
Tighten nut using 11/16" socket \wrench until lock washer is compressed & bushing starts to swell slightly.



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. (See Photo # 1) Retain OEM hardware.

3. 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. (See Photo # 4)



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



5. 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.
6. 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.
7. After installation be sure to cycle steering & check for adequate clearance.
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
The Above Specifications Are Not to Be Used When the Bolt Is Being Installed With a Bushing.					

Seat Belts Save Lives. Please Wear Your Seat Belt.