



2013+ Dodge 3500  
Front 5-**6" Lift Kit**  
Installation Instructions

**A 1/2x20" and 5/16x18" tap is required for installation. A welder is also needed.**



1. Jack the truck up at the front axle and place jack stands under the front of the frame just behind the radiator. Remove the wheels. Next remove the shocks. Now let the jack down so the tension is off the coil springs. Remove the coil springs. Next unfasten the steering arm from the pitman arm and unbolt the pan hard bar from the pan hard bar mount. Do not unhook the sway bar end links.



2. Place a jack under the transfer case. Remove the 3 nuts from the transmission mount where it fastens to the cross member. Next remove the 4 bolts that hold the transmission cross member in place. Remove the cross member. Remove the 2 bolts that fasten the control arms to the frame. Keep the nuts for the transmission mount. The other bolts will not be used.



3. Locate the cross member (part# 18291). It fastens into the factory cross member holes with the four 5/8x6 1/2" bolts. Also use the m18x40 bolts to fasten the side of the cross member into the original control arm mounts. Torque these bolts to 150 ft/lbs. Now locate the three factory transmission nuts and fasten them to the cross member. Torque to 40 ft/lbs.



4. Now fit the factory control arms into the new cross member. Use the supplied m18x140bolts. Insert them from outside in. Torque to 150ft/lbs

5. Locate the dropped pitman arm (part#4011). Remove the factory pitman arm and replace with the dropped one. Torque the nut to 275 ft/lbs. Torque the steering arm nut to 100 ft/lbs. NOTE: The pitman arm needs to be re-torqued after 10 miles and 300 miles.

Factory pitman arm



6. Locate the pan hard bar drop (part# 18288). It fastens into the factory pan hard bar drop. **THIS PART WILL BE WELDED.** Hold the part up in place and then mark where it gets welded so the paint in the area can be removed with a grinder or polishing wheel. Use the factory bolt to fasten into place. Before you tighten, use a clamp to clamp the back of the part in place tight against the cross member. Now torque the bolt to 125 ft/lbs. Now you will need to weld the back portion to the cross member. Weld the part the full length. NOTE: When welding be sure to use a battery saver or anti-zapper device to prevent damage to the electronics.

Clamp PHB drop like this and weld here





Weld here

7. Locate lower bag mounts (part# 18275 DS and 18286 PS). Now find the holes in the bottom of the spring bucket. The hole towards the rear of the truck will be tapped to 1/2-20". Once that hole is tapped, drop the lower bag mount in fasten with the 1/2x1" bolt. Next drill a 13/32" hole into the raised center portion of the bucket. Once this is done insert the 3/8x1 1/2" bolt and torque both bolts to 35 ft/lbs.

NOTE: there are 3 different axle styles used on G5 Dodge trucks, therefore, 3 different passenger side lower air bag mounts provided. Set each lower mount on the axle perch and choose the one where the bottom of the air bag will set parallel with the ground. The other 2 lower bag mounts will not be used.



Tap this hole to 1/2-20"

passenger side

Tap the passengers side rear hole and drivers side is front hole.



This plate needs to be parallel with the ground at ride height.

Drill out this hole for a 3/8"



8. Locate the upper bag mounts (part# 18275 DS and 18286 PS). There are 2 holes in the upper coil spring bucket. The rear hole is big enough for a 3/8" bolt. Hold the upper bag mount in place, line up the rear hole and mark the other hole. Pull the upper bag mount, center punch the mark and drill 13/32" Now that the hole is drilled fasten the upper bag mount in place with the two 3/8x 1 1/2" bolts. Torque them to 35 ft/lbs.



9. Next locate the 5323 (part# 5323) air bags. Fasten them into the upper and lower air bag mounts. Use the 3/4" and 1/2" nuts and lock washers on the top and the 1/2x3 1/2" bolt on the bottom (with flat washer and lock washer). Tighten all the nuts and bolt to 35 ft/lbs. Locate the air fitting and install into the air port on top of the bag. Tighten finger tight then one complete turn after that.



NOTE: The passenger side upper spring bucket has a gusset welded on from the factory. The drivers side doesn't have this bracket. A weld in bracket is supplied for the drivers side. Once you have the air bag installed, wrap up the air bag and mounts and weld the gusset in place. Make sure not to put the gusset too close to the air bag or it will rub on it. Once you have this mount welded in, paint it black to match the chassis.



Weld here



10. Locate the shocks (part# 980-24-637 ) and lower shock mounts (part# 18302). Fasten the lower end of the shock into the shock mount with the 9/16x5 1/2" bolt and slide the round end of the mount in the factory shock location on the axle. Torque this bolt to 125 ft/lbs. Next, locate the rubber bushings and steel cups. Place a cup (dish side up) on the shock and then

slide a bushing (large ring up) over the shock and slide into the factory shock mount.





11. Now place a bushing over the shock shaft so the large ring is down. Next put the washer dish down. Thread on the lock nut until it bottoms out.



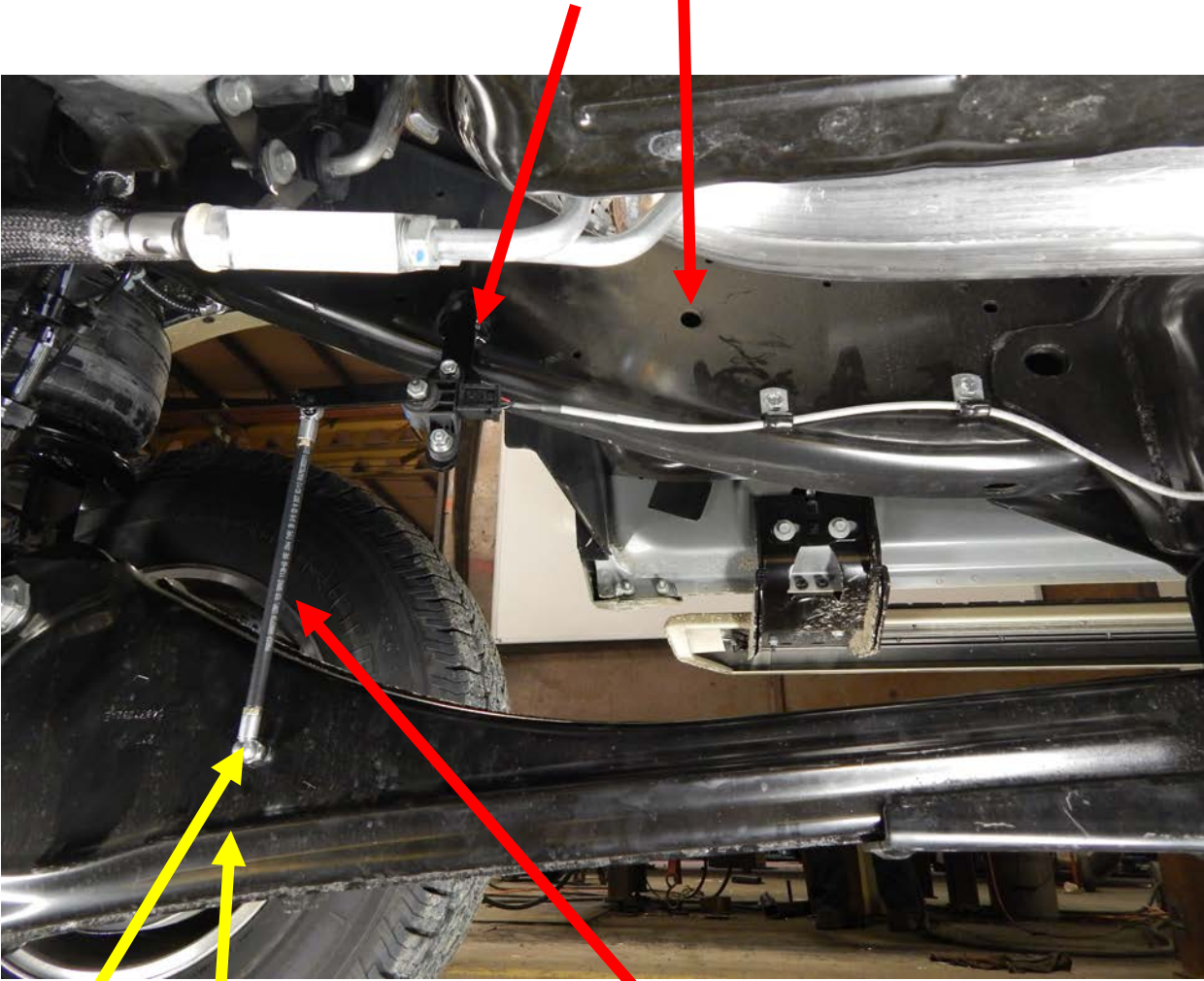
Large ring goes into factory shock mounting hole



Small ring goes towards the steel dished washer

12. Locate the sensor, sensor mounting bracket, ball stud and linkage. Use the information in the picture below to weld the sensor bracket to the inside of the frame and where to drill and tap the control arm for the ball stud.

Edge of sensor mount to edge of hole 6"



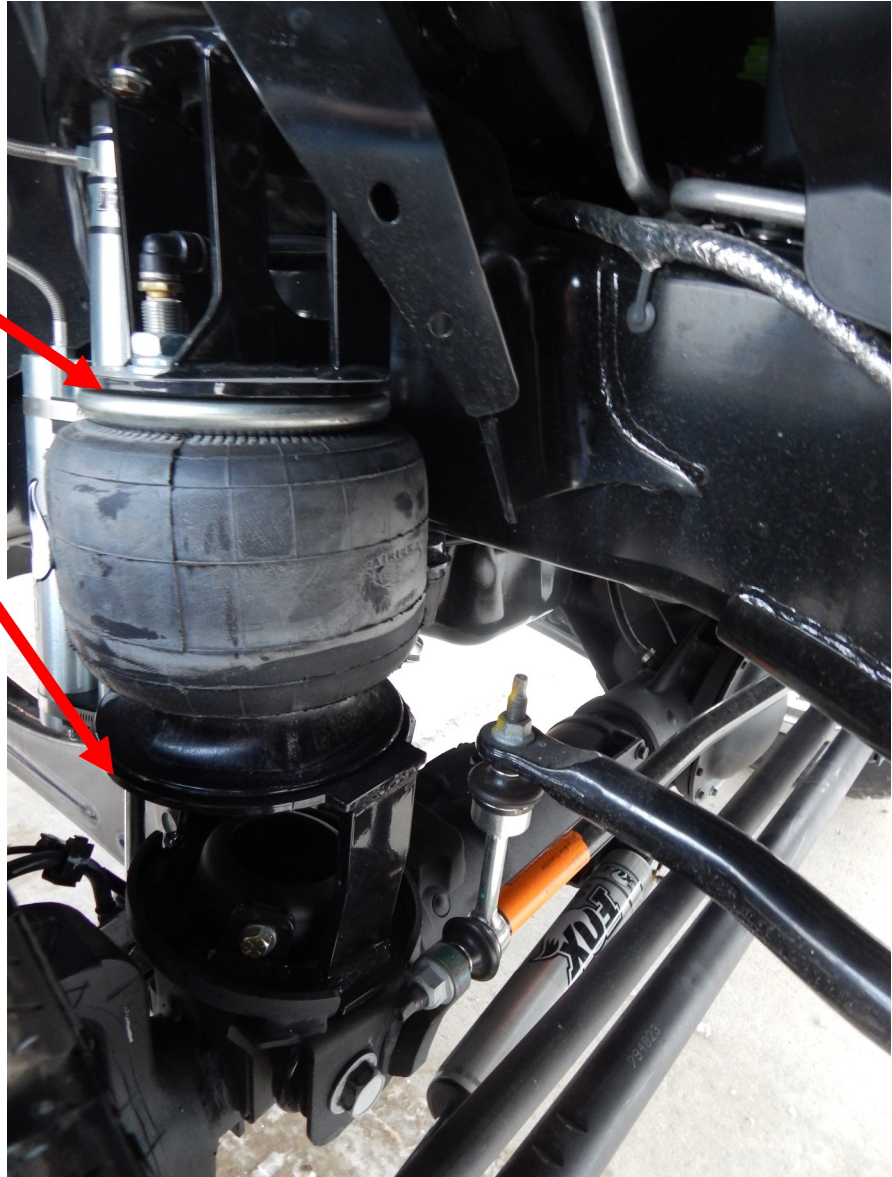
Linkage is 8 3/4" long

Center of ball stud to ridge on control arm 1 3/4" center of ball stud to trailing arm pivot bolt 27"

13. When programming the control system, the front air bag needs to run at a ride height of 7 1/2-8 1/2.” When measuring the air bag measure between the mounting brackets.

14. Once the truck has 300 miles on it re-torque all the bolts. Check the bolts at regular service (oil change) intervals after that.

Ride height of air bag is between 7 1/2-8 1/2” measure here





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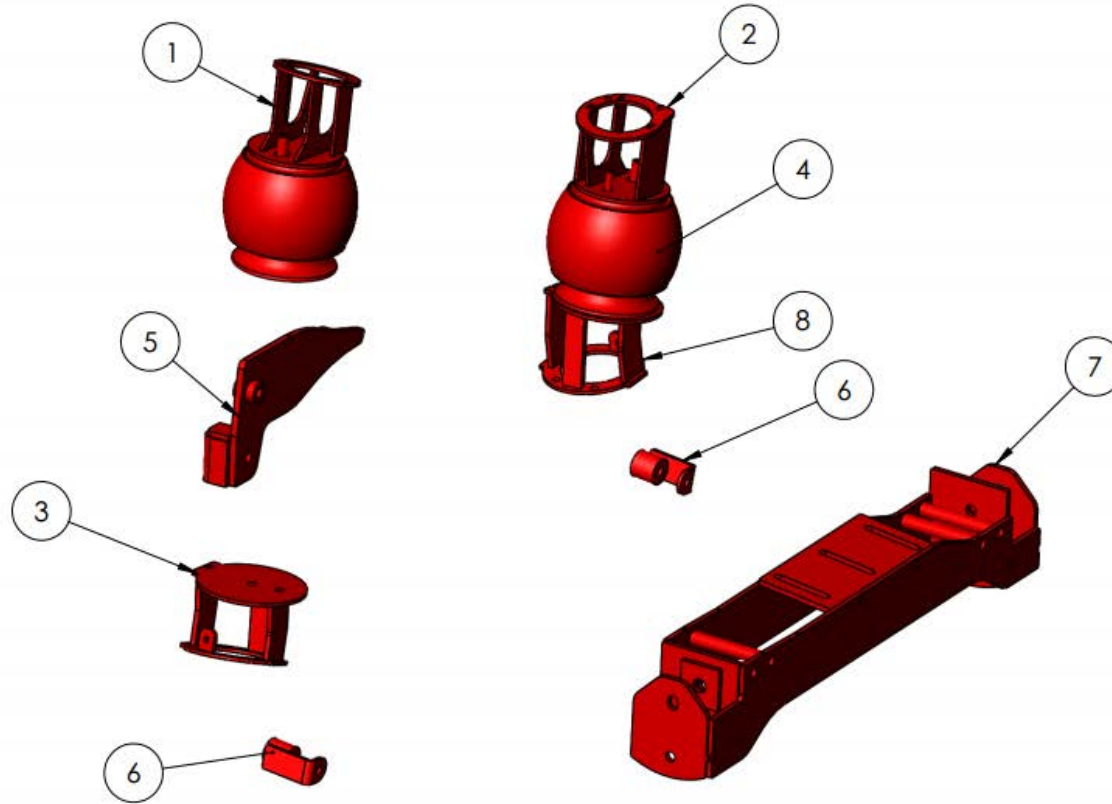
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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/32"$ ANGULAR: MACH $\pm 1$ BEND $\pm 1$ TWO PLACE DECIMAL $\pm .030$ THREE PLACE DECIMAL $\pm .010$	MATERIAL
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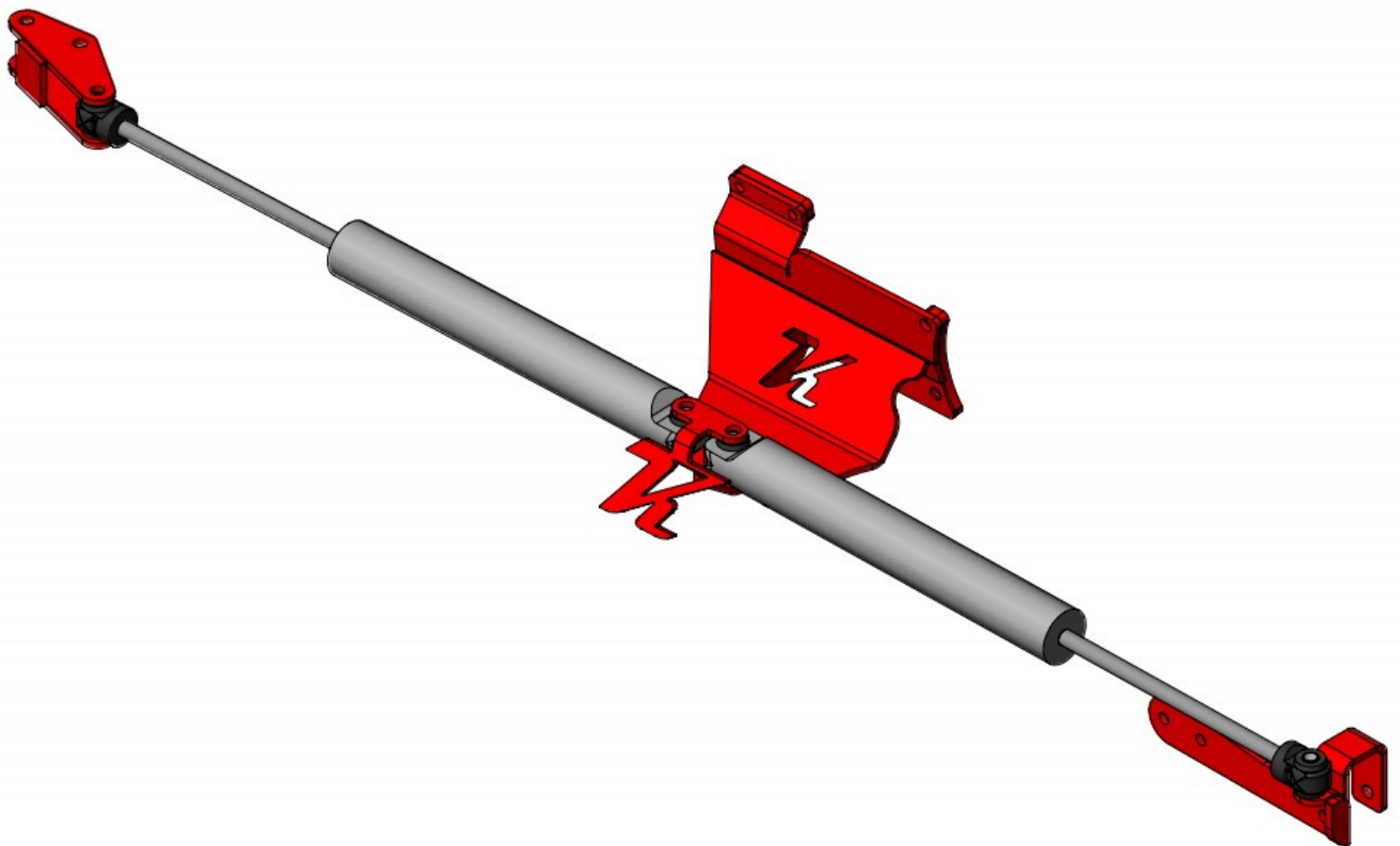
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SHEET 1 OF 4	



## G5 RAM 2500/3500 Steering Stabilizer Kit Instructions





## G5 Dodge Steering Stabilizer Shock Install Instructions

1. Remove the OEM steering stabilizer shock and the mounting hardware on the center of the axle.
2. Remove the factory mounting brackets from the passengers side. Locate the new bracket (part# 18400) and install it so the holes are on the front side of the axle like in the picture below. Use the factory bolts and torque to 55 ft/lbs.



3. Locate the drivers side bracket (part# 18839 and 18397) If fastens to the two factory pinch bolts on the steering arm. It also fastens to the outer tie rod end with the 1/2x3" bolts. Torque these bolts to 55 ft/lbs. Make sure the 1/2" bolt is pointing towards the rear of the truck.

**NOTE:** Some models of dodge truck have only one bolt on the steering link instead of 2. Use part # 18409 instead of 18839.



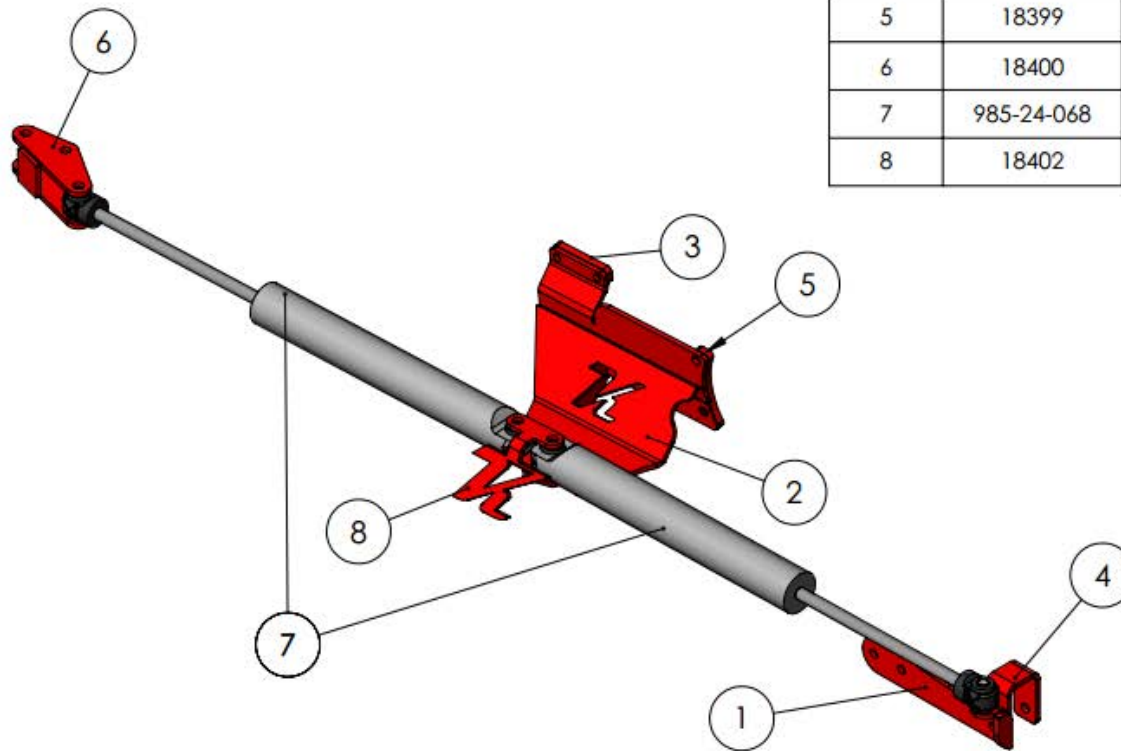
4. Locate the steering stabilizer bracket (part# 19393), top spacer (part# 18396) and the side spacer (part# 18399). Use the M10x45 bolts to fasten the center top of the bracket to the axle. (just start all the bolts and tighten after all six bolts are installed) Make sure to use the spacer, (part#18396) between the bracket and axle. The bottom of the bracket fastens to the axle with the factory bolts. Next if the factory differential cover is being used, use spacer (part# 18399) in between the bracket and diff cover. Use the M8x40 bolts in this spot. If you have an aftermarket diff cover, you should not need the spacer. Once all the bolts are started, tighten the OEM bolts on the bottom of the axle to 35 ft/lbs, the M45 bolts to 55 ft/lbs and the m8 bolts to 30 ft/lbs.



5. Locate the shocks. (Fox part# 985-24-068). Use the 1/2x3" bolts on the outside to fasten the shock to the outer mounts. Next locate the shock strap (part# 18402 and two 1/2x3" bolts). Fasten the shocks to the steering stabilizer bracket. Make sure to put the bolts in top down. Once all the bolts are in place, go back and torque the bolts to 75 ft/lbs.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	18389	(DS) Shock Bracket	1
2	18393	Steering Stabilizer Bracket	1
3	18396	3/8" Spacer	1
4	18397	Axle Mounting Bracket w/ Bends	1
5	18399	3/8" & 1/2" Spacer	1
6	18400	(PS) Shock Mount	1
7	985-24-068	Fox Shock - 985-24-068	2
8	18402	"K" Shock Strap	1



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	<b>Shelf # / Qty</b>		<b>Description:</b>	Steering Stabilizer
	<b>Inventory</b>			
	<b>Run Qty:</b>			