



POLARIS GENERAL

7" Lift Kit # S3109



INSTALLATION INSTRUCTIONS

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7" Lift Kit



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PARTS LIST

ITEM	PART #	DESCRIPTION	QTY
		Right Front Upper A-arm	1
		Left Front Upper A-arm	1
		Right Rear Upper A-arm	1
		Left Rear Upper A-arm	1
		Right Front Lower A-arm	1
		Left Front Lower A-arm	1
		Right Rear Lower A-arm	1
		Left Rear Lower A-arm	1
		Tie Rod, 17.5"	2
	29590	Front Upper Shock Bracket	1
	29591	Front Upper Shock Bracket	1
	11162	Front Shock Spacer	2
	29568R, 29567R	Right Rear Shock Brackets	2
	29568L, 29567L	Left Rear Shock Brackets	2
	11175	Rear Shock Spacer (Sach shocks only)	2
	29588	Rear Link Bar	1
	11108	Short Spacer	2
	11109	Medium Spacer	4
	11117	Long Spacer	1
	59100	Replacement Front Right Brake Line	1
	S3-11F00	Front Axles	2
	S3-11F10	Rear Axles	2
	11106	Mis-Alignment Spacer	2
	11152	Mis-Alignment Spacer	2



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MXML-10	LH Rod End	2
J0014367	LH Jam Nut	2
MXM-10	RH Rod End	2
J0014375	RH Jam Nut	2
11130	Steering Rack Clevis	2
BQ1421	Clevis Washers	2
5439874	Bushings	24
5138797	Short Pivot Tube	8
5138798	Long Pivot Tube	4
Bolt Kit	1/2 x 3-1/2 Bolt	2
	1/2 Nylock Nut	2
	5/8 x 1-3/4 Socket Bolt	2
	5/8 Jam Nut	2
	1/2 Flat Washer	4
	M10 x 40 Bolt	4
	M10 x 50 Bolt	2
	M10 x 60 Bolt	10
	M10 x 70 Bolt	3
	M10 x 90 Bolt	2
M10 Nylock Nut	21	
M10 Flat Washer	42	



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INSTALLATION

1. Elevate Polaris General and secure with jack stands.
2. Remove tires, shocks, brake calipers, hubs, bearing carriers, axles, a-arms, tie rods, and rack boots.
3. Reinstall rear upper bushings / pivot tubes into lift a arms.
4. Remove the ball joints from the stock front a-arms and install them into the lift front a-arms.
5. *Figure A* - Install the steering clevises:
 - a. With the tie rods and boots removed from the steering rack, turn the steering wheel clockwise until it stops.
 - b. Insert Steering Rack Clevis (A) into the steering rack tube on the driver side of the rack. (Apply red thread locker to threads)
 - c. The Steering Rack Clevis will need to be aligned so that it doesn't bind against the inner heim joint when misaligning. Call if you have questions on this. (Tighten as tight as possible)
 - d. Insert Rod End (C) into the clevis and secure with supplied Allen head bolt (D) and Nylock nut (E). (Tighten nut)
 - e. Install the rack boot back into place so the threaded end of the rod end is exposed out of the small hole of the boot.
 - f. Place jam nut (F) onto the rod end and install the new tie rod onto the rod end.
 - g. Turn the steering wheel counter-clockwise until it stops and install a ziptie on inner lip of boot.
 - h. Repeat process on passenger side.
6. *Figures B and C* - Install the lift a-arms using the stock hardware.
7. Install the lift axles, bearing carriers, and hubs using stock hardware. Replace lower pinch bolt with provided 50mm bolt. (No washer) (Suggestion!! – Use Red Loctite on Nuts and bolts)
8. *Figure D* - Attach the outer end of the tie rod to the bearing carrier and provided bolt and nut. (you will need to drill the knuckle with a 1/2" drill bit to be able to use the 1/2" bolt that is supplied.)
9. *Figure E* - Install front shock brackets so that the "S3" can be read from the front of the Polaris General. (The bracket plates and spacers go on the outside of the frame and the spacers go on the inside.) (Long Spacers will go in the middle)
10. *Figure B* - Install the front spring spacers onto the front shocks. (A spring compressor will be needed.)



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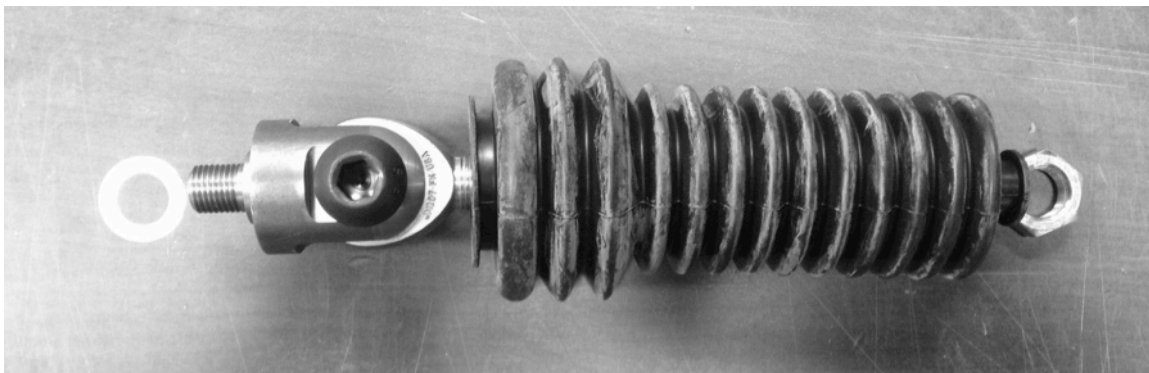
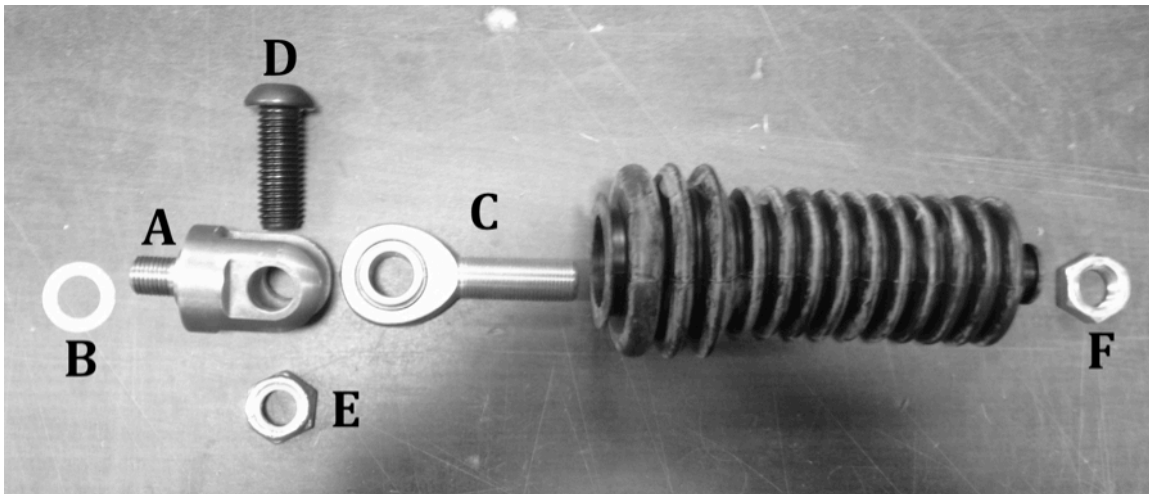
11. *Figure F* - Install the rear shock brackets so that the "S3" can be read from the rear of the Polaris General. (The bracket with the "S3" logo goes inside the frame rail. The other bracket goes on the outside of the frame rail towards the front of the unit. Install the short spacer in between the frame rail and the bracket towards the front of the machine.)
12. *Figure B* - Install the rear spring spacers onto the rear shocks. (A spring compressor will be needed.) SACH SHOCKS ONLY.
13. Install shocks using stock hardware.
14. Remove the front right brake line. Install supplied right brake line to the right caliper. Reattach line to the master cylinder.
15. *Figure G* - Remove the screws holding the rear brake line splitter block to the frame. Pull the slack towards the rear of the machine and fasten to driver side frame rail. (This will allow the brake lines to have enough slack to install the calipers to the bearing carrier.)
16. Reinstall brake calipers.
17. Remove washers from rear spindle's lower bolt to allow bolt room the get through the lock nut. The upper spindle nut will need to be replaced with the supplied M10x1.25 lock nuts. (Use Red Loctite when tightening hardware)
18. Check all hardware for tightness and reinstall tires.
19. Adjust front end alignment and bleed brakes.
20. Test ride and recheck all hardware.



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Figure A





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Figure B



Figure C





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Figure D



Figure E





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Figure F

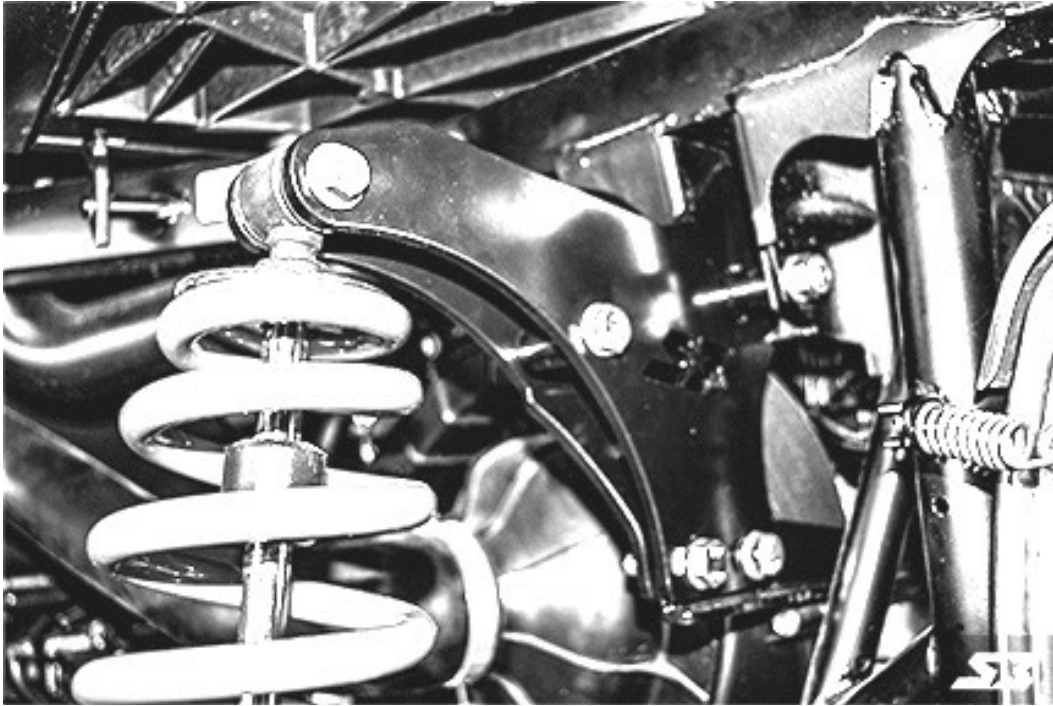


Figure G

