



Can-am Maverick X3 Clevis Tie Rods

Part # S3137-64 & S3137-72

INSTALLATION INSTRUCTIONS

Maverick X3 Clevis Tie Rods

PARTS LIST

ITEM	PART #	DESCRIPTION	QTY
	S3137	Tie Rod	2
	11178	Clevis	2
	BQ1624	Copper Washer	2
	11193	X3 Steering Misalignment Spacer	4
	MXM10	RH Heims	2
	MXML-10	LH Heims	2
	J0014367	LH Jam Nuts	2
	J0014375	RH Jam Nuts	2
		5/8 Button Head Bolt	2
		5/8 Nylock Nut	2



Can-am Maverick X3 Clevis Tie Rods

Part # S3137-64 & S3137-72

INSTALLATION

- 1.) Place vehicle in park and elevate the front of the machine. Support with suitable jack stands.
- 2.) Remove front wheels and tires.
- 3.) Loosen the inner jam nut of the tie rod
- 4.) Remove the cotter pin on the tie rod end bolt closest to the hub. Loosen nut and remove nut and bolt from the outer tie rod end.
- 5.) Unscrew the tie rod off the inner tie rod joint.
- 6.) Unscrew the inner tie rod end joints. NOTE- the inner tie rod end joints have wrench flats but are difficult to access. It may be necessary to use a small pipe wrench or large channel locks to get the leverage you need. It also helps to add a little heat to where the threads go into the rack to loosen the factory thread locker.
- 7.) This next step will be the most difficult. Screw the new clevis into the rack with the copper washer on the threads. The goal is to set the clevis into the correct position that allows the heim joint to move freely throughout the suspension cycle. This may involve a little trial and error but is key to these tie rods functioning properly. Use red Loctite when tightening the threads down. The clevis needs to be around a 20-degree angle facing towards the back of the machine. See pic. You may find it easier to use a pry bar or necessary tool to get enough leverage to turn it into position. Don't be alarmed, sometimes you have to really use some strength to get it lined up properly. Try not to damage the clevis.
- 8.) Once you have the clevis set into position, install the 5/8 right handed heims and put the large black bolts through the opening of the heim joint. The nut will be on the rack side and the bolt head will be towards the front of the machine. Use red Loctite on these also.
- 9.) Thread the RH jam nut down the threads of the heim.
- 10.) Now thread the tie rod onto the heim joints and then thread the LH heims w/ jam nuts onto the tie rod. (There is a small line on the tie rods that notate the side with the LH threads)
- 11.) Please the two misalignment spacers on top and bottom of the LH heims on the outer end of the tie rods.
- 12.) Using the factory bolt, connect the rod to the hub. Tighten down the nut and bolt using red Loctite. Place the cotter pin back into the bolt securing it into place.
- 13.) Now install the wheels and tires.
- 14.) An alignment will be needed, and this is the easiest way to perform that step.
- 15.) Make sure the steering wheel is straight and at "center steer".
- 16.) Now take a long string and tie it around all 4 wheels and tires making a large rectangle. Make sure its tight and in the center of the wheels and tires.
- 17.) Turn the tie rods towards the front or rear of the machine to get the string to lay flat on both front tires on the forward and rear side walls. The proper alignment is 1/8" toed out. (This is the preferred setting on our personal cars) This can be measured by the distance between the string and the tie. (1/16th on each side) NOTE- keep checking the steering wheel as sometimes it gets knocked off center.
- 18.) Once you get the steering aligned, use red Loctite and tighten all jam nuts on tie rods. Make sure the heims move freely and that they are not in a bind. Check all hardware again and test drive vehicle!



Can-am Maverick X3 Clevis Tie Rods

Part # S3137-64 & S3137-72

Figure A



Figure B

