

Ariel Atom Upgraded Bellcranks Installation Instructions

1. Support the car so that the wheel is on the ground but with no weight on it. This can be accomplished by removing the nut on the bolt attaching the shock to the original bellcrank, then slowly lifting the frame until the bolt can be easily removed by hand.
2. Remove existing bellcrank and thrust washers.
3. The following changes to shock assembly installation are OPTIONAL but highly recommended:
 - If helper springs are installed, remove them and their coupler rings.
 - If the shock is installed with the body facing towards the bellcrank, turn it around so that the body faces towards the frame.
 - Loosen the spring perches fully, then position them so they contact the spring without compressing it. Hand-tighten about half a turn.
4. Without removing the zip tie on new bellcrank:
 - Orient the bellcrank so that the helicoil insert is on the side nearest the frame tube. Bellcranks are supplied in mirror-image pairs, make sure to use the correct one for each corner.
 - Place white plastic washers on either side of the shock end bearing.
 - Slide the bellcrank over the shock bearing and washers.
 - Insert the longer of the supplied bolts with the head facing up, hand-tighten the supplied locknut. There should be a washer under the bolt head and another under the nut.



5. Remove the zip tie and keeping the bearing stack together slide the bellcrank assembly onto the frame post. Be careful not to let the o-rings or thrust bearings fall out. If they do fall out, assemble them back into place carefully making sure no dirt is trapped.
6. Install the original cap and tighten the retaining bolt to 10 lb-ft. Use of loctite is recommended.



7. Loosen the jam nuts on the pushrod; holding the upper rodend to prevent rotation extend the pushrod by rotating it until the bearing hole lines up with the hole in the bellcrank.
8. Insert the shorter bolt and tighten it to 15 lb-ft (if using stock pushrods, use the stock spacer washers on both sides of the rodend). The helicoil is of screw-lock type and no loctite or safety wire is necessary.
9. Lower the car so weight now rests on wheel. Tighten the locknut and bolt to 15 lb-ft
10. Tighten the jam nuts on the pushrods.
11. Repeat the above steps for each corner.

