

# Instructions For Mounting Rek-O-Kut Arms

All arms mount similarly. Use the supplied hex wrenches to make necessary adjustments.

1. Position the arm mounting base such that its center is.....

- S-260 MK II:** 290 mm (11.42 inches)
- S-260-OD:** 290 mm (11.42 inches)
- Transcribe Arm:** 240 mm (9.45 inches)
- S-240:** 240 mm (9.45 inches)
- S-320 MK II:** 214 mm (8.43 inches )
- S-990:** 210 (8.27 inches)

.....from the center of the platter spindle.

Note: The S-320 MK II is our direct replacement for legacy Rek-O-Kut arms of the 1960's. It's mounting distance is within a few mm of that of the original, and will cover up most old mounting holes. However, the new mounting hole is slightly larger. So, you will have to open up that hole.

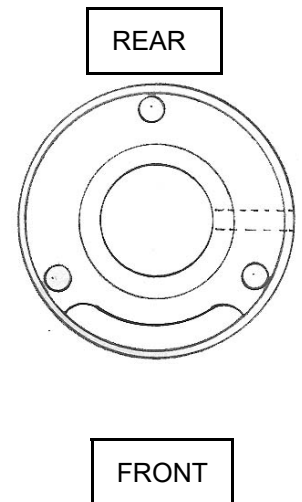
So while you are widening that hole, you may want open the old mounting hole in the direction opposite from the platter and by about 1-3 mm. That will allow you to mount the new arm at the exact 214 mm suggested for the new arm. For the S-320 MK II, you may want to refer to mounting tips at:

<http://www.esotericsound.com/S-320MountingTips.htm>

The S-990 is at the exact distance of the old arm.

Your final mounting position along that radius may take into consideration the following:

- a) Take care that the weight end does not touch anything in the rear, like the dustcover.
- b) Take care that the anti-skating knob on the right does not touch the dust cover.
- c) Take care that the headshell does not similarly touch the dustcover.
- d) Make sure that the arm can be placed on the edge of the record.



2. Mount the arm base to the turntable base with the routed-out quarter moon facing the front of the base. To do this you must drill a 1.25" hole in the base and provide three holes for the mounting screws.

In some unusual cases, you may want to mount the arm in an unorthodox area of the base. Then the routed-out area must be oriented so that the arm rest can be positioned where you want it oriented.

3. **Mount a cartridge to the headshell and attach the headshell to the end of the arm via the arm's Bayonet mount. The standard color code for all modern headshells is:**

- |                              |                                |
|------------------------------|--------------------------------|
| <b>White: Left + (hot)</b>   | <b>Red: Right + (hot)</b>      |
| <b>Blue: Left - (Ground)</b> | <b>Green: Right - (Ground)</b> |

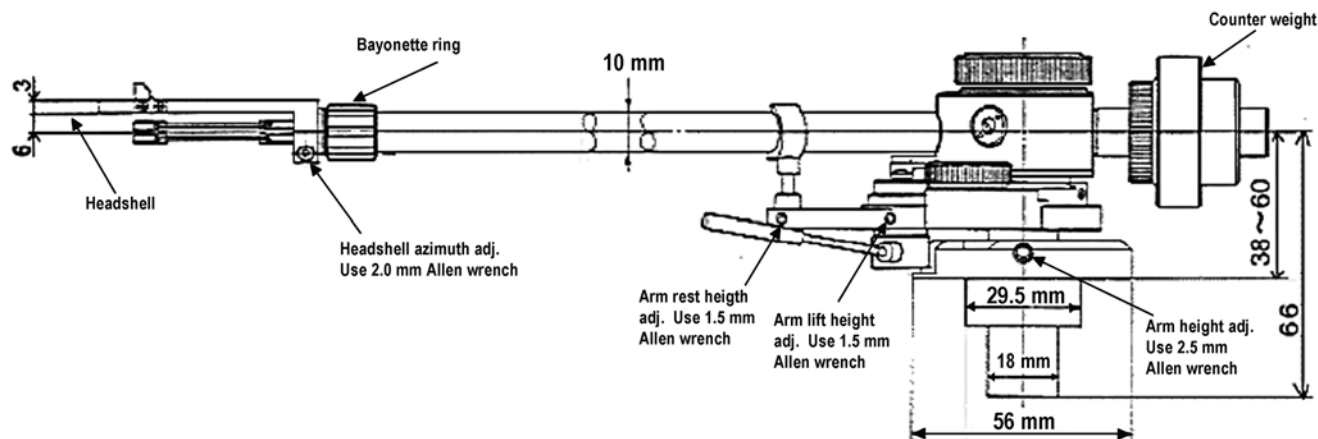
4. Insert the arm into the base, making sure the base set screw is not hindering insertion.

5. **Adjust the height of the arm such that with the stylus in contact with a record, the arm tube is parallel to the surface of a record.**

6. **Check that the arm can swing both to the minimum and maximum record diameters, then tighten the hex set screw on the right side of the base to fix the arm position.**

7. **Put the arm's counter weight on the rear end of the arm. It goes on with a twisting motion. The graticule with tracking force numbers should face toward the arm's center.**

8. **If necessary, adjust the height of the arm lift mechanism with the appropriate hex set screw. Make sure that the arm will lift off the record surface and also that it will drop completely to the surface.**



9. If necessary, adjust the height of the arm rest with the appropriate hex set screw. If playing 16" transcriptions, (Transcribe and S-240 only) you may want to carefully shorten the plastic projection at the arm rest's bottom.

10. Tracking force and anti skating adjustment:

- a) Balance the arm for equal up and down swings, by rotating the arm weight back and forth. This would result in zero tracking force at the needle.
- b) Rotate the loose plastic graticule till its "0" lines up with the line mark on top of the arm's rear. No, do not turn the weight...turn the loose plastic graticule.
- c) Now rotate the weight clockwise and note that the graticule moves with it. Adjust such that the graticule number (in Grams) is what you desire. Example 2.0 = 2.0 Grams.
- d) Lastly turn the anti-skating control on the side to match your tracking force. If tracking force is greater than 3.0 grams, set anti-skating to maximum.

11. Fine tune the cartridge mounting with the cartridge alignment protractor:

- a) Slightly loosen the cartridge mounting screws.
- b) Place the arm end with the cartridge on the gauge
- c) adjust the cartridge such that it is as parallel as you can make it, at both minimum and maximum radii, to the lines on the gauge.
- d) Tighten the cartridge mounting screws.



12. If necessary, adjust the perpendicularity of the stylus (azimuth) to record with the hex set screw on the headshell.

13) Hints: on anti-skating. For damaged records that skip, you can often adjust the anti-skating to get through that area without a skip.

**FOR S-240 / S-260-OD ONLY - DAMPENING OIL**

Fill the reservoir half full as shown in the accompanying illustration.

Replacement oil can be found at local hobby shops. It is sold as RC Car Silicone Shock Absorber Oil - CS 500.

