

ASSEMBLING THE AUDAX KT TONE-ARM

- 1—Insert screw S through finger-lift as indicated in photo 2. The screw S holds both the finger-lift and the ground-lug R. The location, height and shape of the finger-lift are important factors in keeping your records scratch-free.
- 2—Place ground lug R over the screw S and put the shielded cable E in the corner of the arm, as shown in photos 1 and 2. Keep the shielded cable in place by pressing the shorter felt F into the arm A about 1" away from the screw S. Then press in the longer felt F about 1 1/4" from the pivots D. These felts are adhesive-treated and will hold the cable E in the corner of the arm, as shown. This cable should continue in the corner of the arm, above and past the pivot screw D. S should be screwed into arm firmly and then ground-lug R locked in place with the nut.
- 3—Insert the lower pivot screw D, (must go in straight and freely—do not force) just enough so it stays in the arm (Photo 1).
- 4—Put the cable E through the special opening made for it in the pivot structure J.
- 5—Now place the pivot structure J into arm through oval hole O so that the under pivot hole K rests on the lower pivot screw D. Then insert the second pivot screw D, directing it into the upper pivot hole K, and pull it up firmly.

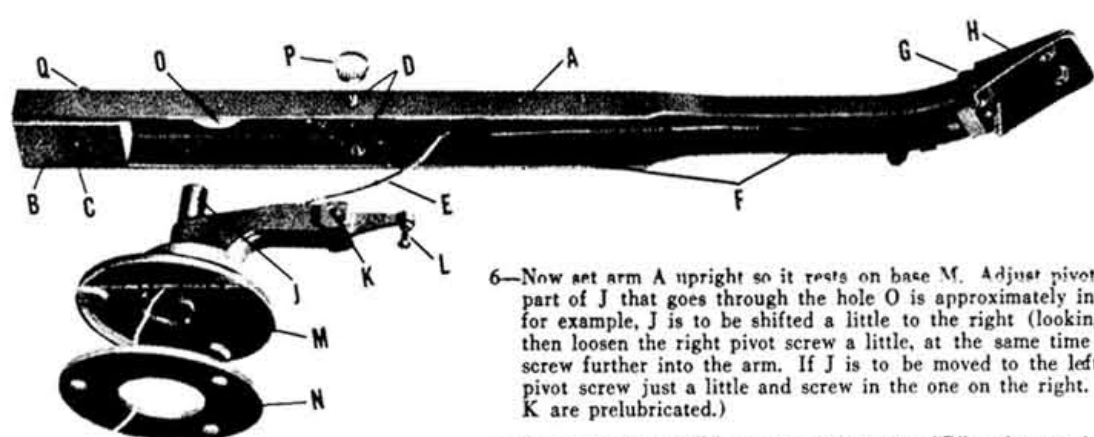


Photo 1

6—Now set arm A upright so it rests on base M. Adjust pivot screws D so that the part of J that goes through the hole O is approximately in the middle of O. If, for example, J is to be shifted a little to the right (looking from front of arm) then loosen the right pivot screw a little, at the same time turning the left pivot screw further into the arm. If J is to be moved to the left, then loosen the left pivot screw just a little and screw in the one on the right. (The two pivot holes K are pre-lubricated.)

7—Place a lock-nut "P" on one of the pivots "D" and screw it against the arm—not too tight—just firmly. This locks that pivot in place permanently.

8—Now for the second pivot. To assure absolute freedom of up and down movement of the arm there must always be a very slight play between the pivot screws "D" and the pivot bearings "K". Accordingly, loosening the second pivot ever so slightly would be sufficient, but for the fact that the lock-nut "P", when screwed into place, will also tend to carry with it and tighten the pivot. Therefore, loosen this pivot sufficiently to compensate for that. You may have to try loosening it a 1/4 turn or more, so that when you finally lock this second pivot permanently, there will be only a very slight play—just sufficient to permit absolute freedom of up and down movement of the arm.

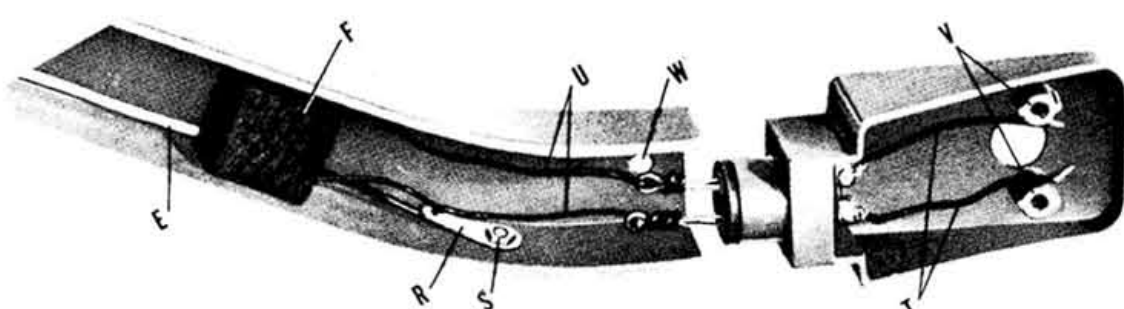


Photo 2

9—Put the counterweight B in place, as shown in photo 1. Put the screw C through the weight and the selector-slot at the top-rear of the arm. Place the "double-arrow" over the screw C with the side-guides into the selector arm-slot. Hold the weight and arrows in place with the hand-screw Q.

MOUNTING THE TONE-ARM

- 1—With a record on the turntable, push the special white paper "gauge-tube" over the motor-spindle, so it rests on the record. This tube performs the two important functions indicated in paragraphs 3 and 5 below.
- 2—Use 1 or 2 or as many of the lift-pads N as will bring the arm to the proper height in relation to the record surface. These lift-pads also serve as a cushion. This provides a fixed foundation for the base. Remember, you install the arm only once, so do it right.
- 3—Place a ruler to rest on top of the "gauge-tube" and that part of J that protrudes through O. When the ruler appears horizontal in relation to the record, the height of the tone-arm is correct. Of course, the turntable should be level to start with.
- 4—The base-structure consists of parts J and M. The small screw that holds these two parts together also limits the lateral swing of the tone-arm to an arc of 90°. Fasten the base M so that the tone-arm will not swing more than about one inch past the center of turntable. The importance of this is to make it impossible for anyone to put down the stylus on the wrong side of the record—which would surely ruin the disk.

5—Now place the tone-arm base at the correct distance as indicated in Fig. 3. Be sure to measure this from top-center of "gauge-tube" to top-center of J, where it protrudes through the arm. Using one of the lift-pads or the base itself as a template, mark the position of the three mounting holes, using for the purpose something sharp like a pencil, nail or the like. . . . Be sure that the hole in the panel thru which the shielded wire passes is large enough (1/2" minimum) so that the shielded cable does not rub against anything. The center of this larger hole should be about 11 3/8" from the turntable center for the KT-16 and 8-7/16" for the KT-12. You are now ready to secure the base to panel with 3 screws. Check the distance D again before inserting the second screw. . . . Most cartridges have the standard dimension of 7/16" between center of the cartridge mounting-holes and the stylus-tip. . . . Regardless of what cartridge is used, the lateral arm length (center of base to stylus point) of the KT-16 should be 12 1/8". For the KT-12 it should be 9 9/32".

6—To protect the stylus, adjust the self-contained safety-stop L so that if the arm is dropped, the stylus will always be about 1/4" short of hitting the panel.

7—When installing your pickup head, make sure that the head is fairly centered with and parallel to the side-walls of the housing H. Insert the connector pins as shown in Photo 2—red-marked pin to red-marked tube. Where connectors from cartridge are too long—bend them or nip them shorter, as needed. Now secure the housing H to tone-arm with the special hand-screw G, through hole W. . . . For a "twist" type cartridge, push the black button out of the housing, using the rubber end of a pencil, or the like.

8—It is of the utmost importance that the stylus be in proper alignment, straight up and down, in relation to the record groove. If, for example, the stylus-point leans to the right, loosen the base-holding screw on the left side of the base and tighten up more on the right side and vice-versa. . . . Note the open sides of the cartridge-housing, affording full view, for the all-important stylus alignment.

9—The Audax cartridge connects directly into the KT arm, using the small screw (not the screw "G") supplied with it—the housing H is not needed with the Audax cartridge.

Mounting Audax Arms

KT-16 arm	D = 11-7/16"
KT-12 arm	D = 8-3/4"
PRO-16 (Factory Assembled KT-16)	
PRO-12 (Factory Assembled KT-12)	

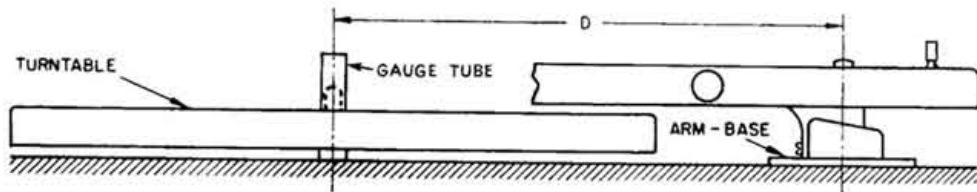


FIG. 3

HOW TO USE THE SELECTOR-INDEX

Because weights of different cartridges vary greatly, this selector-index does not indicate grams, but is used as follows: Loosen the hand-screw Q and slide it to the position that will give the desired stylus-pressure (6 grams for LP) for any given cartridge. Now tighten the hand-screw Q and mark the Selector reading on any convenient spot on that cartridge. You will then have a permanent and accurate record for instant setting of correct stylus pressure for any cartridge. . . . To obtain accurate stylus-pressure use a Stylus-Balance.



Photo 3

The KT tone-arm completely assembled. It is the exact duplicate of the factory-assembled Pro-16 or Pro-12. . . . You now have the finest tone-arm that money can buy.

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