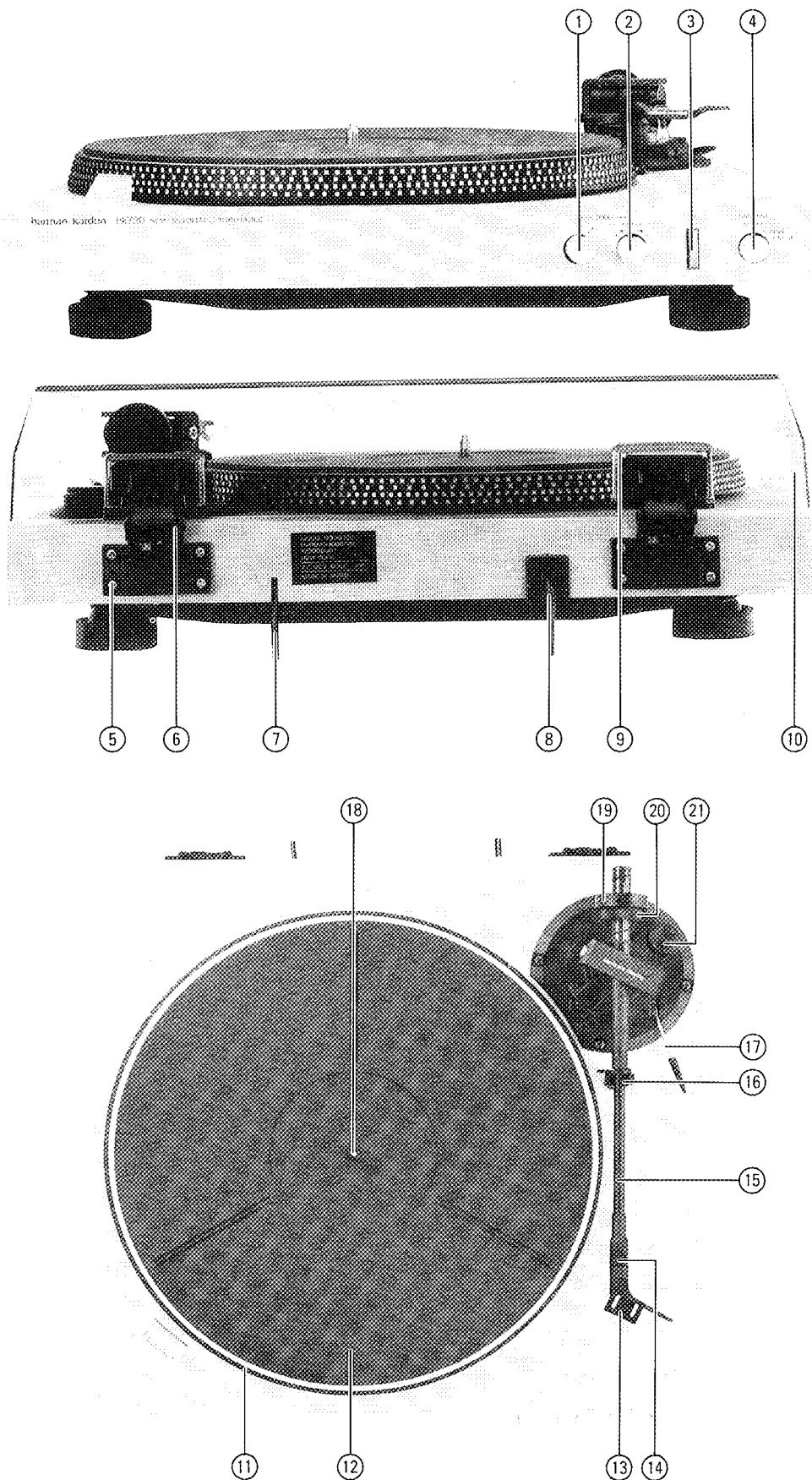


harman/kardon hk720
owner's manual





WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Owner's manual hk720

Your investment in a component high fidelity system indicates you have a more than average interest in music. The fact that your investment includes a Harman Kardon Semiautomatic Stereo Turntable shows us your appreciation of uncompromised reproduction of the music you enjoy.

This unit is an expression of our love for music and our desire to hear music reproduced as accurately as possible.

Unpacking

The counterweight (19), platter (11), turntable mat (12), dustcover (10), dustcover hinges (6), 45rpm adaptor, and tracking angle gauge are included inside the packing cushion. Take these out and check that all parts are present in good condition.

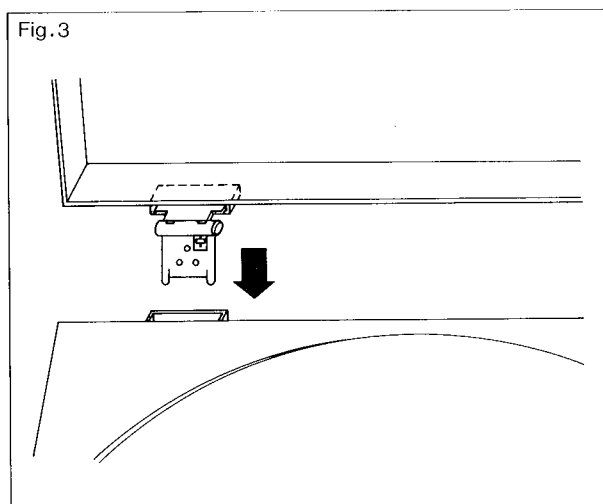
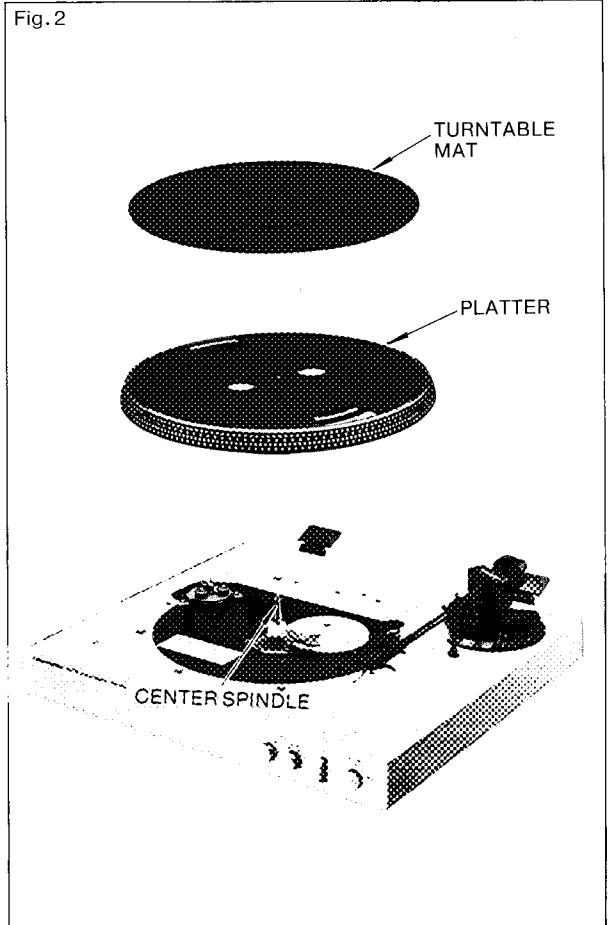
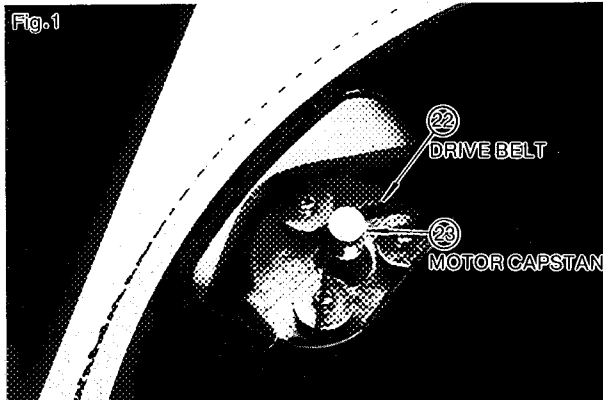
Retain the packing materials that accompany your hk720 so that the turntable may be reshipped safely at a later date if the need should arise.

Assembling the hk720

Before mounting the platter (11) into position, stretch the drive belt (22) attached under the platter and hook it around the motor capstan (23) as shown in Fig. 1. Then carefully mount the platter (11) onto the center spindle (18) and place the turntable mat (12) on top of the platter (11). (See Fig. 2.)

Installing the dust cover

Slide two dust cover hinges (6) into the grooves (9) on the rear of the dust cover (10). Hold the dust cover (10) tilted as if open and fit it so that the dust cover hinges (6) slide into the hinge brackets (5) in the rear of the turntable. See Fig. 3. Check that the dust cover (10) closes and opens smoothly and that it stays open at a fixed angle.



Connecting the Headshell and cartridge

Release the tonearm clamp (16) to free the tonearm (15). Remove the headshell (13) plugged in the end of the tonearm (15) by loosening the black thumbscrew (14) at the end of the tonearm (15). A cartridge is not supplied with this turntable so that you have complete choice of cartridge brand and type. Be sure to use a cartridge weighing 2 to 8 grams.

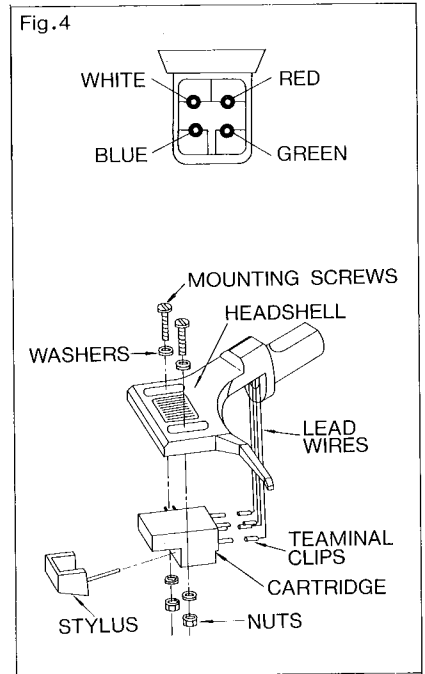
Unpack the cartridge and carefully remove stylus. Place them carefully at a safe location.

Connect the signal wires of the headshell (13) correctly to the appropriate terminals of your cartridge according to Fig. 4.

The signal wires are color coded:

	Left channel	Right channel
Signal	WHITE	RED
Ground	BLUE	GREEN

The cartridge may have a different color code or other marking system to identify its terminals. Consult the instructions supplied with your cartridge for this information.



When you have connected signal wires, install cartridge to the head shell as shown in Fig.4. Do not fully tighten screws. Replace stylus in the cartridge.

Insert the headshell with the cartridge fully into the end of the tonearm (15) and tighten the black thumbscrew (14). With a record on the turntable mat, place the cartridge on the record. See that the tonearm is parallel with the record. If it is extremely slanted, place shim(s) between the headshell and cartridge to make the tonearm parallel with the record. Tighten two screws with a small flat screwdriver after the adjustment.

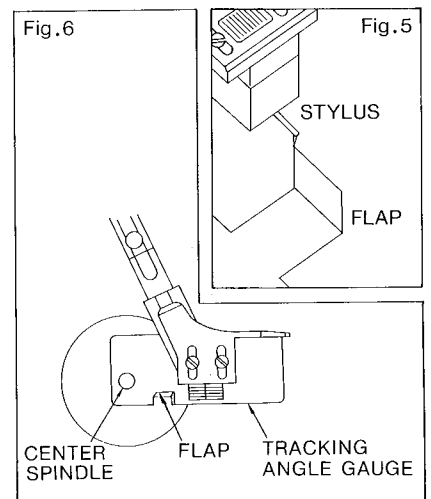
If the specified cartridge capacitance is less than 300pF, place the CAP TRIM knob (4) at the NORMAL position. Place it at + 100pF position for 300 to 400pF, or at + 200pF position for over 400pF. Be sure to minimize the volume setting of your amplifier during this adjustment. Use a coin to turn the CAP TRIM knob (4).

Since the headshell offset angle in the hk720 is designed at 25.5 degrees, always use a Harman Kardon's headshell.

Adjusting the stylus overhang and headshell offset angle

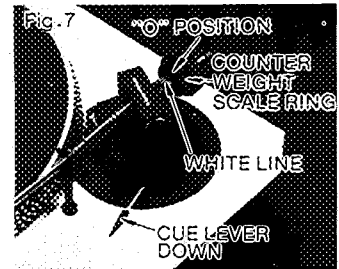
With the turntable mat (12) on the platter (11), place the tracking angle gauge on the platter. The hole goes over the center spindle (18). Fold up flap of the gauge. Lift the tonearm (15) from the rest (16) (with the cue lever (17) in the down position) and move it toward the center of the platter (11).

Carefully position the headshell and cartridge assembly on the center spindle (18). Adjust the cartridge position so that the stylus tip is at the nearest edge of flap. (See Fig.5.) Then turn gauge and adjust cartridge position so that the stylus tip is over the indicated center point and cartridge edges are parallel with reference lines on the gauge. (See Fig.6.) Since this gauge is especially designed for the hk720, do not use it on other turntables.



Balancing the tonearm and adjusting the tracking force

After checking the tonearm (15) moves freely (with the cue lever (17) in the down position), slide the counterweight (19) onto the rear of the tonearm (15), set the antiskating control (21) to the zero "0" position and gently move the counterweight (19) forward with rotation until the tonearm (15) floats parallel to the platter. Then while keeping the counterweight (19) stationary, rotate only the counterweight scale ring (20) so that its gradation zero "0" aligns with the white line on the tonearm shaft. (See Fig. 7.)



Rotate the counterweight assembly (19), (20) until the scale ring (20) reading indicates the stylus pressure specified by the manufacturer.

Set the antiskating control (21) normally to the same as the tracking force setting.

Output connections

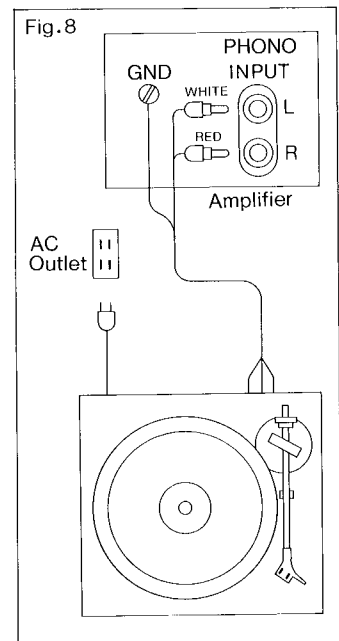
Before connecting to your amplifier, make sure that the amplifier power has been switched off. Connect the two output cables plus ground lead (7) to the PHONO INPUT connectors and GND terminal on the rear of your amplifier. The red plug is the right channel output, and the white plug the left channel. (See Fig. 8.)

Power connection

Connect the hk720 power line cord (8) to an AC outlet. If you connect the cord to an AC convenience outlet on the rear of your amplifier, you may prefer a SWITCHED outlet. With a SWITCHED outlet, the turntable's power will be controlled by the amplifier's power switch.

Positioning the turntable

The hk720 should be placed on a firm, level surface. The location should be clean, away from direct sunlight and other heat sources, well ventilated and free from any vibration.



Operating the hk720

1. Switch the speed selector (1) to either 33-1/3 or 45rpm, depending on the record to be played.
2. Place the record on the platter.
3. Free the tonearm (15) from the arm clamp (16) and lift the tonearm (15) by raising the cue lever (17). Hold the tonearm with hand and move it to the desired track. The platter will start to rotate at this time. Then lower the tonearm (15) by carefully returning the cue lever (17) to its former position.
4. To check that the record is rotating at a correct speed, observe the corresponding stroboscope markings around the rim of the platter. Depending on the selected speed (33-1/3 or 45rpm) and the frequency of AC power source for your area (50 or 60Hz), the relevant stroboscope level should appear to be stationary. If it does not, adjust the SPEED control (2) until it does (in which case, the record will be rotating at exactly the correct speed). When the cue lever (17) is used, this adjustment can be completed before lowering the stylus onto the record.
5. At the end of the record the tonearm (15) will lift and return to the arm rest (16) automatically, and the power is then switched off.
6. Record play may be stopped at any time by simply pressing the CUT push-button (3). In this case, the tonearm (15) will lift and return to the arm rest (16) automatically, and the power is also switched off.

Precautions

Keep the dust cover (10) closed when playing records. In addition to preventing the accumulation of fine dust, the dust cover has also been designed to minimize possible howling interference resulting from feedback of sound vibration from the speakers. (It is therefore a good idea to position the speakers at a reasonable distance and facing away from the turntable.)

Always keep the dust cover (10) closed when not using the turntable. Also avoid leaving objects such as record albums on top of the dust cover.

Cleaning

Clean the turntable base and dust cover with a soft damp cloth, using a little detergent if necessary. Do not, however, use turpentine, benzene or other volatile fluids. The dust cover may be detached from the base, if desired, for cleaning purposes, but it is recommended that the tonearm (15) be locked into the arm rest (16) before slipping the dust cover hinges (6) out of the brackets (5).