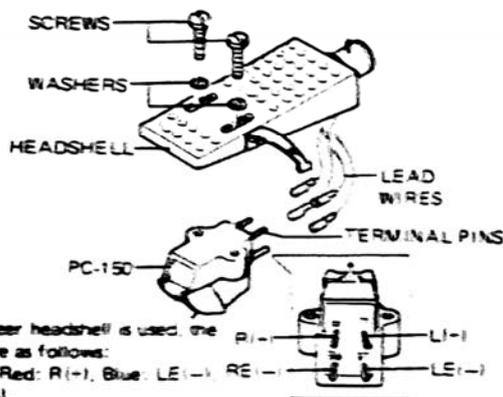


Attaching the headshell

1. Taking care not to damage the stylus tip, remove the stylus holder.
2. As shown in the illustration, using the enclosed screws, mount the cartridge to the headshell (screws should be loosely fastened at this point). This cartridge weighs 5.7 grams. There are tonearms that cannot be properly balanced with this weight. If this is the case, the auxiliary weight which is included as an accessory should be mounted between the headshell and the cartridge.
3. Connect lead wires of headshell to cartridge terminal pins.
4. Insert the stylus holder and tighten headshell to the tonearm. Following the directions given for the tonearm, adjust overhang. Finally, tighten firmly the headshell mounting screws.

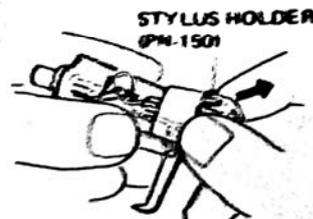


Operating precautions

- The allowable tracking force range is $2.2 \pm 0.3g$ and the correct tracking force is $2.2g$. If the tracking force is too low, distortion will be caused and the stylus may jump grooves when the sound from the record fluctuates widely.
- Increase the tracking force (2.2 to $2.5g$) when playing a warped record, when using the turntable and stylus in a cold room and when the turntable is susceptible to external vibration.
- Do not store the cartridge near a transformer, motor or any other object which is liable to generate magnetic flux. This will cause the stylus magnet to lose its magnetism, the output voltage to be reduced and the playback sound to be distorted. Furthermore, in order to guarantee good quality playback, choose a layout for your stereo equipment where the cartridge is not located close to products which generate magnetic flux.
- This cartridge stylus has a service life of about 800 to 1,000 hours. If you continue to use the cartridge when it is worn out, the playback sound will be distorted and you will damage your records.

Replacing the stylus

As shown in the figure, hold the stylus holder and pull it out in the direction indicated by the arrow gently. When replacing the stylus, insert the stylus holder in the reverse order so that you do not damage the stylus. When replacing the stylus, specify the Pioneer model PN-150 at your dealer's. Pioneer assumes no responsibility if you replace the stylus with a model of another make and this results in a breakdown.



Specifications

Type	..... Moving magnet
Construction	.....
Frame	..... Injection mold
Case	..... Super permalloy shield
Frequency response	..... 10 to 28,000Hz
Channel separation	..... 25dB or greater (at 1kHz)
Output voltage	..... 2.5mV (1,000Hz, 50mm/s, Lateral)
Channel balance	..... Within 1.5dB (at 1kHz)
Load impedance	..... 30kΩ to 100kΩ (recommended load 47kΩ + 170pF ~ 300pF)
Stylus tip (PN-150)	..... Specially bonded 0.5mil diamond
Dynamic compliance	..... 8.5×10^{-6} cm/dyne (at 100Hz, horizontal or vertical modulation)
Tracking force	..... $2.2 \pm 0.3g$ (optimum 2.2g)
Weight (without stylus cover)	..... 5.7g
External dimensions	..... 18mm (width), 17.7mm (height), 27.6mm (length)
Dimension of mounting	..... 12.7mm (UIS and EIA standard)
Accessories	.....
Screws unthreaded in center	..... 2
Fully threaded screws	..... 2
Mounting washers	..... 2
Lead wires with terminal connectors attached	..... 4
Auxiliary weight, screwdriver	..... 1 each
Operating guide	..... 1

NOTE:

Specifications and the design subject to possible modification without notice due to improvements.

Dimensions

