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**STUDIO REFERENCE
SERIES**

3003

6006

8008

**INSTALLATION
INSTRUCTIONS**

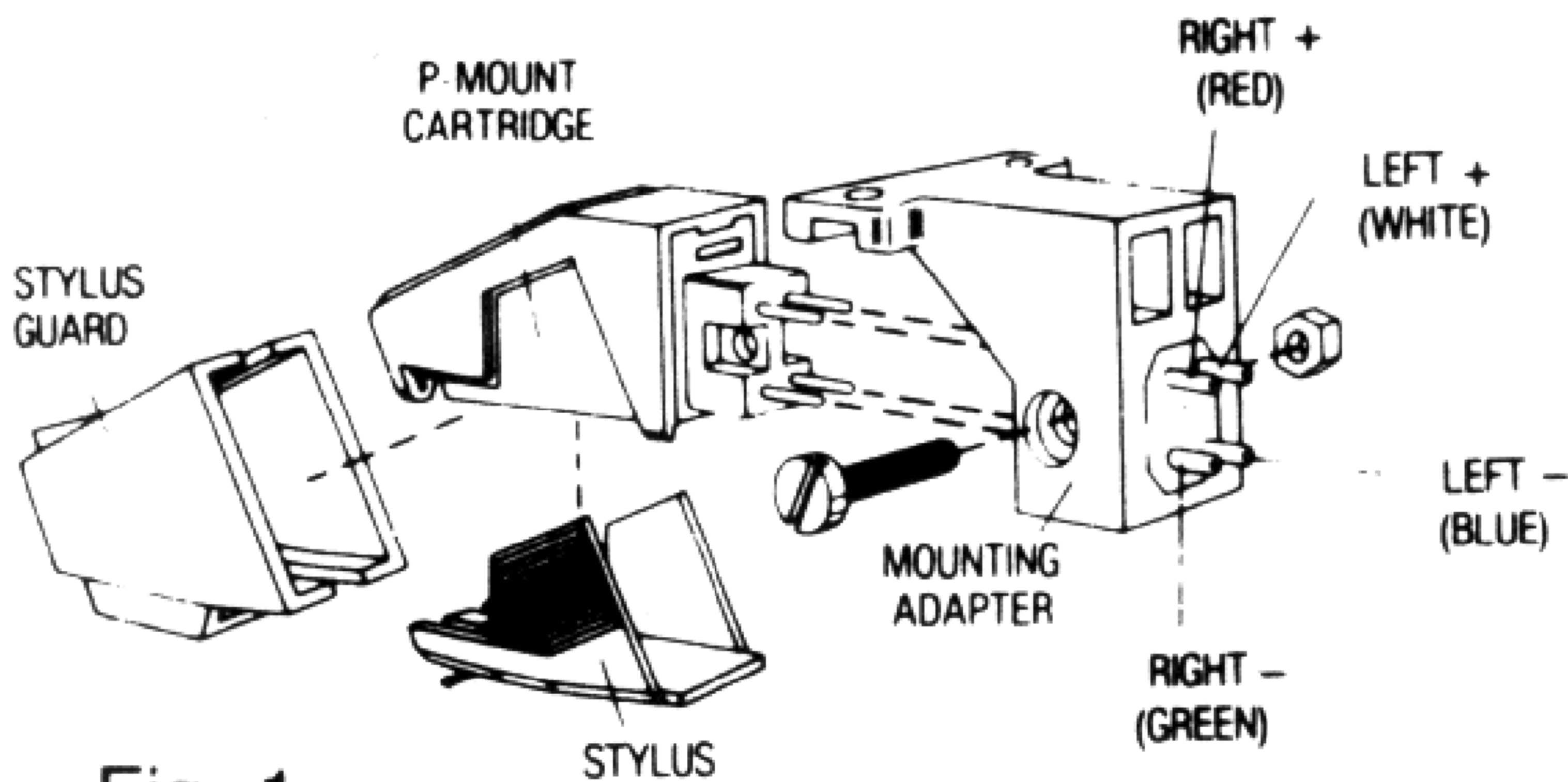


Fig. 1

Preliminary Installation

To attach the cartridge to a "P-mount" tone arm, follow the manufacturer's instructions and simply plug the cartridge in (be careful not to bend the four connector pins) and tighten the mounting screw.

When using in a conventional $\frac{1}{2}$ " mount tone arm, the adapter bracket must be attached as shown in Fig. 1. Tighten the adapter mounting screw until the adapter is securely attached to the cartridge.

Electrical Connections- $\frac{1}{2}$ " Mount

Four terminals are provided at the rear of the cartridge—an output and ground connection for each stereo channel (Fig. 1). Connect the turntable wiring to the cartridge, observing the lead designation furnished with the turntable. Typical wire color codes are shown on the illustrations in parentheses. **DO NOT SOLDER TO THE CARTRIDGE TERMINALS. USE SLIP-ON**

LUGS TO WHICH TONE ARM WIRES HAVE BEEN SOLDERED BEFORE PLACING ON CARTRIDGE TERMINALS. Heat applied directly to the cartridge terminals will damage the internal cartridge connections.

For monaural operation, the left and right signal terminals should be connected to the monaural signal lead, and the left and right ground terminals should be connected to the ground lead.

Final Installation

Reinstall the stylus assembly. If the cartridge is installed in a "P-mount" tone arm, the only adjustment is tracking force, which should be adjusted between 1 and 1½ grams. ~~In ½" mount models, begin by~~ following the procedure recommended by the turntable or tone arm manufacturer, and carefully set tracking force within the range shown for your cartridge in the appropriate specifications table. This is a critical adjustment, since tracking force higher or lower than recommended will result in increased distortion and decreased record life. Similarly, the tone arm's adjustments, if any, for stylus overhang and anti-skating must be set properly if maximum benefit is to be obtained from your cartridge. After all tone arm adjustments have been made, the stylus may remain installed in the cartridge. However, the plastic stylus guard should be used to protect against accidental damage, as at any time when the turntable is not in use.

STUDIO REFERENCE SERIES

Model	3003	6006	8008
Frequency Response (Hz)	15 - 27,000	10 - 28,000	5 - 30,000
Output at 1kHz, 5 cm/sec	5.0 mV	5.0 mV	5.0 mV
Channel Separation /1 kHz /10 kHz	29 dB 18 dB	29 dB 20 dB	31 dB 21 dB
Channel Balance	1.25 dB	1 dB	1 dB
Vertical Tracking Force	1 - 1.5 g	1 - 1.5 g	1 - 1.5 g
Vertical Tracking Angle	20°	20°	20°
Stylus Shape	0.3x0.7 mil BiRadial	0.3x0.7 Nude BiRadial	Linear Contact
Cantilever	Thin-wall tube	Thin-wall tube	Tapered alloy tube
Load Impedance (ohms)	47 k	47 k	47 k

Patents: Canada 856,351 and 909,683; England 1,232,210 and 1,283,404; France 6,928,056; W. Germany 1,772,685 and 1,941,569; Japan 1,083,037 and 883,307; Sweden 347,636; Switzerland 478,502 and 505,437; U.S.A. 3,720,796 and 3,761,647 and 4,075,418.

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