

of the lower housing 110. The power board 145 receives power from the battery pack and transmits it to the main board 150. The engaging hole 141 and the pin hole 142 are formed for its fixing.

[0166] A power switch 146 for ON/OFF of power and a connector 146 $t$  for connection with the main board 140 are provided at the power board 145. A power terminal 147 is installed at a position corresponding to the terminal hole 115', for an electric connection with the battery pack.

[0167] A button board 148 is installed to be connected with and supported by the connector 143 installed at the center of the main board 140. The button board 148 includes a switch 148' installed at positions corresponding to each of buttons 190, 192 and 193 installed at one side of the upper housing 120, in order to process a signal inputted through the buttons 190, 192 and 193.

[0168] A state display window 126 is positioned at one side of the button board 148 and a display LCD 149 is mounted to display an operational state of the disk player. Information related to the disk or various information related to the operations of the disk is displayed on the display LCD 149.

[0169] With reference to FIG. 14, the display LCD 149 is mounted inside an LCD case 149 $c$ , and the LCD case 149 $c$  has a plurality of engaging hooks 149 $h$  at its lower surface.

[0170] Thus, the display LCD 149 is mounted on the button board 148 by the engaging hooks 149 $h$ . A signal connection between the display LCD 149 and the button board 148 is made by the connection terminal 149 $t$  connected with one side of the display LCD 149.

[0171] The connection terminal 149 $t$  includes a board connection unit 149 $p$  formed in parallel to the upper surface of the button board 148, and a main body connection portion 149 $b$  is formed to be connected with the display LCD 148 integrally with the board connection unit 149 $p$ .

[0172] And the board connection unit 149 $p$  is connected to the button board 148 by connecting means such as soldering, after the LCD 149 is mounted on the LCD case 149 $c$  and the board connection unit 149 $p$  is connected to a connection portion of the display LCD 149.

[0173] The main body connection portion 149 $b$  may be formed branched, in other words, may have 'U' shape, into which one side of the display LCD 149 is inserted, as shown in FIG. 14.

[0174] With reference to FIG. 3, the pick-up base 150 is installed at the upper surface 112 of the lower housing 110. The pick-up base 150 is installed at the upper surface 112 corresponding to the left side of the reinforcing rib 114. A turntable 151 is installed at the pick-up base 150 in order to mount the disk to be exposed upwardly and rotate it.

[0175] A pick-up slot 152 is formed at the pick-up base 150, being extended long from one side of the turntable 151. A pick-up 153 is movably installed through the pick-up slot 152 in order to read a signal recorded on a signal record face of the disk. The pick-up 153 is moved along the pick-up slot 152 and reads a signal recorded on the disk. A spindle motor for rotating the turntable 151 and a sled motor for moving the pick-up 153 are installed at the lower surface of the pick-up base 150.

[0176] With reference to FIG. 3, a plurality of vibration damper receiving portions 154 are installed at the side portion or the inner side of the pick-up base 150 in a manner of being supported on the lower housing 110.

[0177] The vibration damper receiving portion 154 is provided at a position corresponding to the guide shaft 119 of the lower housing 110 and has a through hole 155 formed to penetrate it vertically.

[0178] A vibration damper 156 is installed at the through hole 155. With reference to FIG. 15A, the vibration damper 156 is made of a material with elasticity, and a central through hole 156' is formed penetrating the center thereof. The guide shaft 119 is penetratingly inserted into the central through hole 156'.

[0179] The vibration damper 156 includes a recess portion 157 at the middle portion surrounding the outer circumferential face. An outer diameter of the recess portion 157 is formed smaller than other portions of the vibration damper 156 and formed corresponding to an inner diameter of the through hole 155.

[0180] With reference to FIGS. 15A and 16A, referring to the vibration damper 156, in a state that the recess portion 157 is mounted in the through hole 155 of the vibration damper receiving portion 154, the guide shaft 119 is inserted into the central through hole 156' penetrating the center of the vibration damper and supported on the vibration damper support 119 $t$  so that the pick-up base 150 is supported on the lower housing 110.

[0181] At this time, the combination pin 127 of the upper housing 120 is inserted into the combination hole 119' of the guide shaft 119, and the upper portion of the vibration damper 156 is mounted inside the mounting guide 127' of the upper housing 120.

[0182] The vibration damper 156 serves to absorb vibration and noise transmitted between the lower housing 110 and the pick-up base 150, and especially, as shown in FIG. 15B, formation of contact protrusions 158 at the portion being in contact with the lower housing 110 and the upper housing 120 would help absorb much more vibration.

[0183] First and second deco panels 160 and 160' are installed at the panel mounting portions 111 and 121 formed at the side walls 110 $b$  and 120 $b$  of the lower housing 110 and the upper housing 120.

[0184] The first and second deco panels 160 and 160' forms both side faces of the base unit 100 and can have a different color to that of the lower housing 110 and the upper housing 120, for a fine appearance.

[0185] Insertion pieces 161 and 161' are formed inserted into the panel mounting portions 111 and 121 at both ends of the rear surface of the first and second deco panels 160 and 160'. A hooking piece 162 is formed perpendicular to the rear surface at the first and second deco panels 160 and 160'.

[0186] As shown in FIG. 12, the first hooking piece 162 formed in an 'L'-shape at the first deco panel 160, and a through hole is formed at the hooking piece 162 formed at the second deco panel 160'.

[0187] The insertion piece 161 is inserted into both ends of the side walls 110 $b$  and 120 $b$  of the lower housing 110 and the upper housing 120, and the first hooking piece 162 of the