

## **INTEGRATED LEAD SUSPENSION ELECTROSTATIC DISCHARGE PROTECTOR**

### **ABSTRACT**

An electrically conductive grounding unit (161) is situated between the integrated lead suspension (13) and the tool block (110) which is used to assemble it to the transducer head (21). The grounding unit (161) insulate the uninsulated traces on the integrated lead suspension (13), thereby eliminating the danger of imparting static electricity to the transducer head (21) during the assembly process. The grounding unit (161) carries unwanted charges from the electrical traces on the suspension (13) to the grounded tool block (11). The grounding unit (161) is preferably fabricated from ceramic materials.

**FIG.14**