

Model K0304 Rack Mount Kit

Installation Instructions

Introduction

The **SIGNAL RECOVERY** model K0304 rack mounting kit is designed to allow one or two models 5105, 5113, 5182, 5183, 5184, 5185, 5186, 5187, 5188A or 5188B to be mounted in a standard 19" rack.

Parts Supplied

The rack is supplied fully assembled and ready to mount one instrument in the right-hand side (see figure 1)

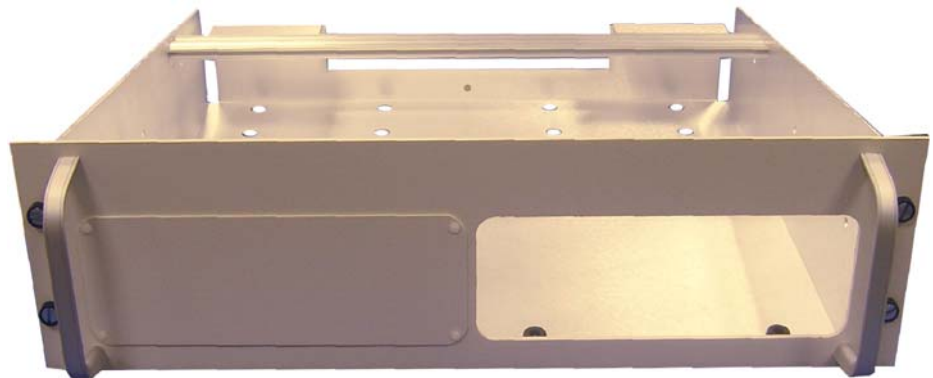


Figure 1, Model K0304 Rack Mount Kit

If the rack is damaged in any way, or you discover during installation that any parts are missing, then please contact your local **SIGNAL RECOVERY** office or agent.

Procedure

- a) Place the rack on a bench or table with the handles towards the front.
- b) Using a suitable screwdriver, remove the two countersunk screws (one on each side) retaining the aluminum tie bar, and remove the bar.
- c) If the rack is to house two instruments, remove the four nylon screws, washers and nuts retaining the cover plate on the left-hand side, to expose the second opening. It is suggested that these items be placed in a plastic bag and retained so that they can be refitted in the future, should this be required.
- d) The instruments that can be fitted to this rack have one of two styles of case. Older units use a case which has a wide bar and two large fixing screws on each side (see figure 2), while instruments now in production use a new style case which has four fixing screws on each side (figure 3). Use these two figures to identify which type of case will be fitted in each location.



Figure 2, Older Design of Instrument Case



Figure 3, Present Design of Instrument Case

- e) Towards the front edge of the base of the rack chassis are four locating studs fitted with push-on rubber feet (figure 4). When using the rack with the current design of case, leave the corresponding feet in place, but when fitting an instrument with an older design of case, remove the two corresponding feet from the studs.

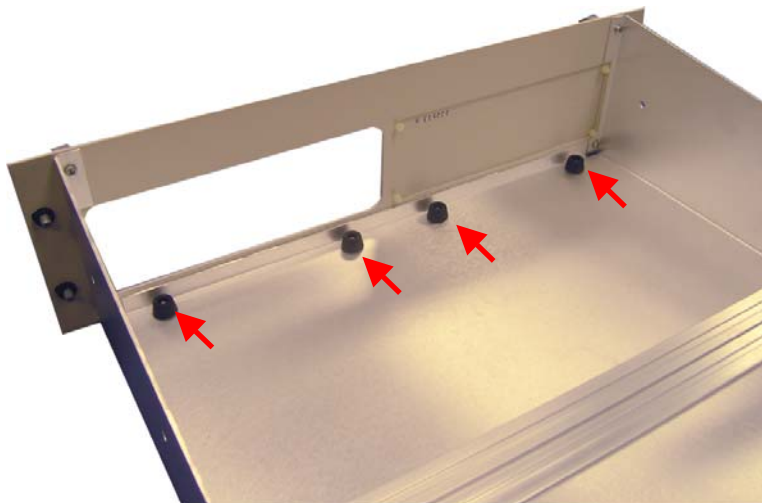


Figure 4, Locating Studs

- f) Place the instrument in the rack and carefully locate it through the front panel aperture, pushing it forward until the front two feet on its underside are pushed

up against the locating studs and rubber feet on the chassis. Repeat, if necessary, for the second instrument.

- g) Take the tie-bar and its two fixing screws removed in section b) above and refit them in position, noting the orientation. The stepped lip of the front edge of the tie bar should sit snugly on the rear upper edge of each instrument case, retaining it both vertically and horizontally (figure 5).

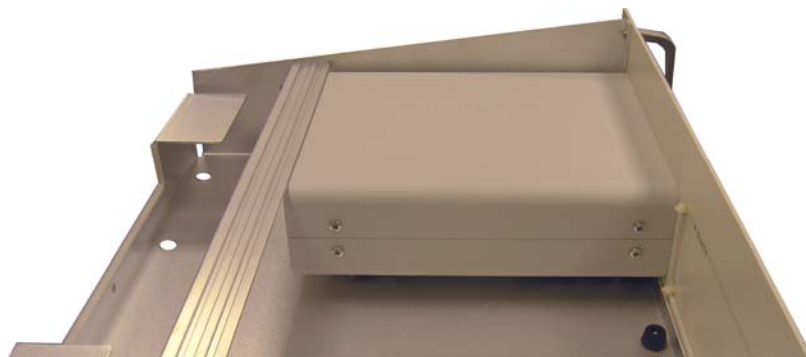


Figure 5, Rack Assembled with one Instrument

- h) The rack has provision for mounting two model PS0108 power supplies at the rear. These are fitted by placing them under the retaining plate, with their feet in the four holes - see figure 6.

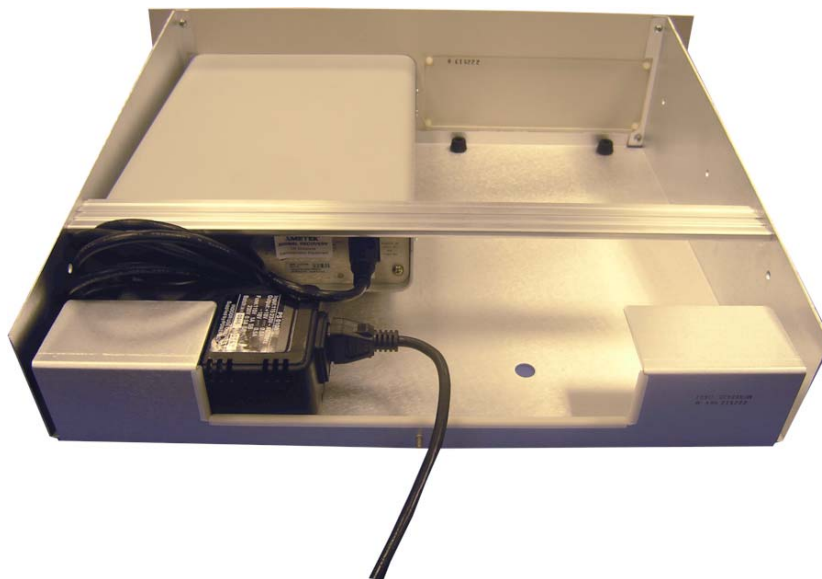


Figure 6, Fitting PS0108 Power Supplies

- i) Make any necessary connections to the rear panel(s) of the instrument(s), ensuring that all cables leave the rear of the rack via the cut-out section, which is fitted with a grommet strip to prevent chafing.
- j) Take the complete rack assembly and fit it to the rack uprights, using the four M6 screws on the front panel.

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Caution: *The complete assembly can be quite heavy and so we recommend that it be supported at the rear.*

This completes the installation of the kit.

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