

Mounting Plate Gluing Instructions Using Epoxy

IMPORTANT: READ ALL INSTRUCTIONS BEFORE PERFORMING TASK

1. Place the Mounting Plate on concrete floor in desired location. Ensure that the set screws on the Mounting Plate are not touching the floor at this point (Depending on the size of the Mounting Plate it may have four (4) or more set screws). If eye-bolts are provided, these may be used in the force plate mounting locations to make lifting of the Mounting Plate easier.
2. Assemble the force plate to the Mounting Plate using outer corner holes with provided bolts (UNC 3/8 - 16 or M8 - 1.25) and washers in the outer corner holes.
3. Level the force plate using the outer accessible set screws (use a cross level on force plate top if necessary). Make sure that the Mounting Plate is lifted from the floor at least 1/16 - 1/8 inches (2 - 3 mm) to allow room for the epoxy glue. If the force plate is mounted in a pit, which does not provide easy access to the set screws or for nonconductive plates, the Mounting Plate can be leveled first. However, make sure that the top of the force plate is flush with the floor before proceeding further.
4. Mark the outer perimeter of the Mounting Plate on the floor.
5. Disassemble the force plate from the Mounting Plate by removing the bolts from step 2, leaving the Mounting Plate in its position.
6. Adjust any unadjusted set screws in the middle of the Mounting Plate just to touch floor. When working with large Mounting Plates, make sure that the Mounting Plate has not sagged in the middle. If necessary, further adjust with the central set screws.
7. Remove the Mounting Plate. Make sure that the set screw adjustments do not change.
8. Mix the two parts of the epoxy adhesive (1:1 ratio) in the plastic bucket provided. Make sure that the epoxy and the hardener is thoroughly mixed (about 5 minutes by hand). The working life of the epoxy is 30 minutes.
9. Spread the epoxy on the floor, within the marked area, using the notched trowel provided. The notches of the trowel will help form "hills and valleys" of epoxy so that when the Mounting Plate is placed back on it, the epoxy has room to spread.
10. Carefully relocate the Mounting Plate back to the marked area. Press down firmly to make sure that the set screws are touching the floor and that the plate is level.
11. Allow the epoxy adhesive to cure overnight before assembling force plate to the Mounting Plate.

