



ATECS Floor Damper Installation Instructions

NOTE: Failure to follow these instructions VOIDS the Warranty.

- 1) Remove ATECS damper from shipping carton and place the slide plate facing the bottom of the floor panel. Confirm the PEM Studs do not interfere with the ribs of the floor panel and the rack and scale are visible and usable through floor panel openings.
- 2) Start 2 screws on one side of the floor panel and slip the damper under them to align the "D" slots with the 8 screw holes, (#26 drill bit - 0.147" Dia.), on the bottom of the floor panel. Partially screw in 2 screws each on the remaining three sides of the Floor Damper. **A total of 8 screws for each Floor Damper is required.** Initially snug the 8 screws in a diagonal zigzag pattern as if mounting a car tire. Then fully tighten each screw so it clamps down on the damper fixed plate in a similar diagonal zigzag pattern. ATECS recommends 8-32 x 3/8" Phillips Binder Head Type 23 screws.
- 3) Turn the floor panel vertically on its side and test the operation of the Floor Damper with the adjustment tool. Then push against the Floor Damper with pronounced force to confirm solid attachment to the floor panel.
- 4) The rack and opening scale will now be visible through the floor panel perforations. Adjust using an ATECS adjustment handle or slotted screwdriver depending on Floor Damper model.

ADJUSTMENT INSTRUCTIONS

The adjustment handles and Floor Damper Rack have 48 pitch gears. A 48-pitch gear is required to allow the adjustment handle to fit all floor panel perforation hole diameters. For the Floor Damper to operate correctly, the rack must mesh tightly with the adjustment handle. To use the handle one must insert it through the perforations / grates of the floor panel perpendicular to the adjustment hole in the damper.

- A) It is easiest to fit the adjustment handle into the adjustment hole if the handle can be leaned slightly away from, (opposite), the adjustment rack first.
- B) When the adjustment handle gear pin has located the adjustment hole, push down slightly and work the adjustment handle gears into the rack gears.
- C) Bring the adjustment handle back to perpendicular with the Floor Damper and turn counter clockwise to open or clockwise to close the damper.
- D) From full close to full open requires slightly less than 2 complete turns of the adjustment handle.

Alternate Floor Damper adjustment Method. Use a flat blade or Common Screwdriver inserted into the floor panel at either end of the rack. Using a rocking or pivot motion, apply force to the end of the rack to move the slide plate in the direction desired.