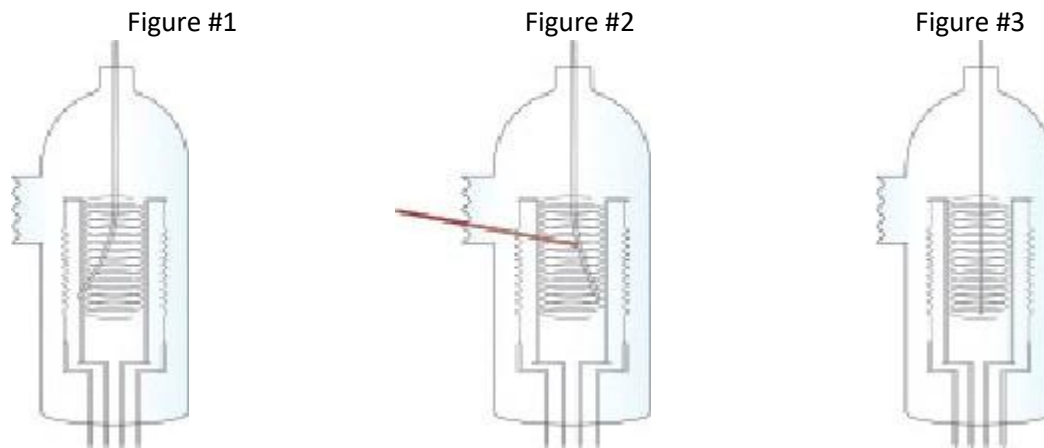




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Technical Note:
Resolving Ion Gauge Tube Issue



Problem: During shipment ion gauge collector wire can become displaced outside the grid. (Figure #1)
Solution: You can repair the problem yourself in less than a minute by following the steps below.

1. Make sure the gauge is removed from the vacuum system.
2. Find a long, thin rod (e.g. an unwound paperclip) to maneuver the collector.
3. Insert the rod through the side port and gently push up on the collector wire, starting at the far end of the wire that is protruding through the grid. (Figure #2)
4. Work the collector wire back toward the beginning of the gauge tube by circling it around the coils, causing the collector to eventually reseat inside the grid's coils. (Figure #3)

Note: Take care not to bend the collector wire. Do not try to push the collector back inside the grid or it will bend. You must work the collector back around each coil.