

## GE AMX 4 Portable Remanufacturing Steps

Huestis Medical remanufactures GE AMX portables under a thorough electronic, mechanical, and cosmetic program. All electronics are removed, tested, and fully calibrated, including wiring harnesses and circuit board repairs, to ensure reliability.

In-house TIG welding reinforces common stress points on frame and chassis while a strengthened cassette drawer and new front casters offer solid support. New drive chains and brake pads provide dependable service. Differential axle, motor and drive gears are fully evaluated and replaced if necessary.

Heavily reinforced column support is fitted with new counterweight cables. Other new components include a Delrin latch bar, retractable hand-switch cord, low/high voltage cables, control lights, dials, decals, and maintenance-free Lead-Calcium battery upgrade.

### GE AMX 4 NEW Replacement Parts

- High voltage cables
- Collimator cable
- Rotor cable
- Control cable
- Handswitch coil cord and handswitch assembly
- Steel "Counterpoise" cables in column
- New batteries (Hawker Genesis 26 amp/hr)
- Top shroud overlays (3)
- Collimator crosshair window
- Collimator face decal
- Rubber bumpers and wear strips
- Field light switch
- Delrin latch pin
- Manual and exposure guide
- OEM specifications

### GE AMX 4 Tested, Reconditioned and Replaced Items

- Unit is completely disassembled for thorough inspection.
- Front caster mounts.
- Cassette drawer hinges.
- All bearings are inspected and replaced as needed.
- High voltage transformer inspected.
- CALL printed circuit boards inspected and tested.

- Main chassis pan inspected and repaired.
- X-ray tube tested and inspected.
- Collimator assembly tested and inspected.
- All painted surfaces are straightened, filled, sanded, and painted.

### Full Documentation

- Each unit comes with a complete set of manuals.
- Included operator manual.
- Included service documentation.
- Included electrical schematics.
- Included parts diagrams.

### Miscellaneous AMX Calibrations

- Electronically each unit is calibrated on every mAs and kVp station prior to shipping.
- Light to x-ray field is set to meet specifications.
- Ground fault leakage tests are performed to assure proper grounding of all components.
- In addition to the major quality control steps during the remanufacturing process, all units are subjected to a final quality control procedure.
- All components are checked to assure systemic compliance with G.E. specifications.
- Column Details
- As manufactured, the column was bolted down by thin gauge aluminum flanges at the base of the outer column. Huestis Medical no longer uses the thin aluminum flanges.

GE AMX 4 Portable



- We have a four corner structured support mechanism that has a minimum life span of three times that of the G.E. original system.
- With the column supported correctly, the stress on the rest of the system is universally reduced.
- Caster Mount Assemblies
- The caster mounts are held on the main frame with two (2) 1/4 x 20 bolts on each side.
- Huestis Medical structurally reinforces this area with four (4) 1/4 x 20 bolts.
- This is an extremely important area because the weight of the column, tube, collimator and high voltage cables are on this area.
- Lower Frame Details
- The lower frame connecting the caster assemblies is an aluminum base a common area of stress in the corner of the sub frame box assembly or chassis. We often find these areas cracking on the original aluminum welds.
- Huestis Medical reinforces this assembly with 3/4 in welded steel angle iron.
- This important structural modification doubles the amount of material in this area.