

GE AMX Portables

Remanufacturing Process

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. 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 batteries.



Remanufacturing Steps

GE AMX 110, AMX-II, AMX-III NEW Replacement Parts

- Relays 3K1 and 8K1.
- Manual and exposure guide.
- Control panel overlay.
- KV and mAs knobs.
- Battery high/low knob.
- Control panel indicator lights.
- Collimator knobs and crosshair window.
- Lead-Calcium batteries (26 amp/hr).
- Upgraded column reinforcement modification.
- Upgrade to "AMX-III style" column friction brake (where applicable).
- Steel "counterpoise" cables in column.
- Front casters.
- Upgraded front wrap-around bumper.
- Drive brake pads.
- Drive chains and tube arm chain.
- Upgraded stainless steel drive handle.
- Forward/reverse switch.
- Upgraded, handswitch coil cord and handswitch assembly.
- Upgraded, remote field light.
- High voltage cables.
- Collimator cable and rotor cable.
- Upgraded, Delrin latch bar.

GE AMX 110, AMX-II, AMX-III Tested, Reconditioned, and Replaced Items

- Complete disassembly for thorough inspection.
- Cord reel for charging rebuilt.
- Main chassis pan inspected and reinforced.
- High voltage transformer inspected.
- All printed circuit boards inspected/ tested.
- Switches and circuit breakers.
- Collimator assembly tested and inspected.
- X-ray tube tested and inspected.
- Front caster mounts.
- Cassette drawer hinges/ latches upgraded to AMX-III style and reinforced (where applicable).
- Speed control potentiometer and spring.
- Bearings are inspected/ replaced as needed.
- All painted surfaces are straightened, filled, sanded, and painted.

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.

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.
- All 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.

All Systems 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 (all units)

- 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 (all units)

- 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.
- 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 Details (all units)

- 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 detail because the weight of the column, tube, collimator and high voltage cables are on this area.

Lower Frame Details (all units)

- 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" welded steel angle iron.
- This important structural modification doubles the amount of material in this area.

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HUESTISMEDICAL

Huestis ARI, 597 Winthrop Street, Taunton, Massachusetts 02780-2166 USA
508 824-8628 • 800 333-6070 • Fax 508 824-8629 • www.huestismedical.com

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