

- 1. Processing Procedures** – All welded joint sections have been established for length of weld and machine settings for the mig welder. These will not be altered.
 - A. All steel welds will be 100% inspected by the vendors.
 - B. Periodic x-rays of the weld sections will be used to verify correct weld penetration.
 - C. All mig wire and insert gas will be Q.C. inspected for compliance with that specified.
- 2. Assembly Procedures** – The left and right bolted assemblies will be 100% Q.C. inspected for compliance with the correct fastener grade, length, and torque requirement.
- 3. Electrical Wiring** – All 12v and 24v wiring assemblies will be 100% Q.C. inspected for proper functioning.
- 4. Energy Absorbing Cartridges** – All cartridges will be 100% inspected and Q.C. logged for proper honeycomb sub-assembly within the aluminum cartridge container.
- 5. Hydraulic System** – The hydraulic system will be checked by Q.C. after final assembly to verify all fittings are leak-proof.
- 6. Final Q.C. Inspection** – All TMA systems will have a final Q.C. inspection to verify that they comply with the manufacturing specifications. An I.D. number will be affixed to the backup and logged with the customer purchase order number.