

Complex Electronics Remanufacturing

CRP Industries offers electronics remanufacturing services across a wide group of product categories including: complex engine control electronics, electronic power assist steering (EPAS), anti-lock brake system (ABS), electronic transmission controls, radio and telematic systems, self-leveling headlamp systems, autonomous vehicle control systems and gage cluster and heads up display systems. Our reman services include full cleaning, tri-temperature testing, full diagnosis of failure modes, individual component repair, and packaging. Every component we receive is tested separately to ensure it can be reused, or if it needs to be replaced. Additionally, we now have the capability at our new Ann Arbor electronics reman facility to repair circuit boards down to the component level.

Electronics vs. Mechatronics

Over the last several years, electronics have been progressing into more and more traditionally mechanically oriented sensors and actuators. These products prove challenging to mechanically focused and electronics focused remanufacturers. The CRP team has extensive experience with both and not only understands the particulars of each technology, but also understands the integration, interference, interdependencies, and critical characteristics of the entire systems. Electronic and mechatronic components that we are developing capabilities to remanufacture include:

- Anti-lock braking system (ABS) modules
- Electronic power assist steering modules
- Transmission control modules
- Instrument clusters
- Electronic turbo actuators and throttle valves
- Engine control modules
- Vehicle body control modules (door, MUX, seat control, antitheft, telematics, etc.)
- Hybrid electronic systems (invertors, power supply modules, control modules, etc.)
- Electronic EGR valves and SRA
- Mass air controllers
- Electronic steering/ complete unit/ electronic and mechanical
- Electronic braking systems

To learn more about **CRP Industries**, visit www.crpindustries.com or contact info@crpindustries.com.

