

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

REPAIR SERVICES

Motor & Generator Repair

- AC motor repair thru 15,000 HP
- DC motor repair thru 7,000 HP
- Dedicated small motor (<=600VAC) repair center
- 6 Ft. VPI—100% solids polyester resin
- 50-ton crane capacity
- Dynamic balance stand up to 5,000 lbs.
- UL® certification
- Stator and rotor restacking
- Commutator profiling and resurfacing
- AC & DC motor redesign
- Bearing reabbating
- Pick up and delivery service

Motor & Generator Rewind Technologies

- Premium VPI Insulation Systems
 - EnduraSeal® MV (up to 6.9 kV) with 5-year warranty
 - IntegraSeal™ B-stage Stator Coils up to 15 kV

Specialty Motor Repair

- Synchronous, brush and brushless
- Wound-rotor AC
- Motor/Generator sets
- Generator rewinds—Hydro and Wind
- Hermetic
- Submersible
- Vertical
- Mill duty
- Variable speed
- High-efficiency AC
- Traction equipment
- Annealing furnace fan motors
- Custom designs
- Servo, Spindle, Arbor, Low-voltage DC

Motor & Generator Testing

- Full load testing thru 1,500 HP
- Run testing to 13,200 VAC / 500 VDC
- Motor Circuit Evaluation (MCE)
- Core Loss Test (computerized)
- Vibration Analysis (Spectral)
- Thermography
- Polarization Index Test
- Locked rotor testing
- Resistivity, Hi-Pot (AC & DC), Megger®, Surge test

Mechanical Repair

- Gear reducer rebuilding
- Dodge TXT & CST reducer repair
- Pumps—centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Crusher repair—all types
- Belt magnet repair
- Vertical/horizontal mills
- MIG/TIG welding
- Flame spray metallizing
- Parts manufacturing (shafts, bases, housings)

Electronic Repair

- Circuit boards—all manufacturers
- AC & DC drives, operator interfaces, servo controls
- PLC's, I/O modules, power supplies, instruments

Authorized Warranty Repair

- ABB
- Dodge
- Siemens
- ATB Morley
- Reliance
- WEG
- Baldor
- Sicomotori



50-ton lifting capacity



6' VPI tank



Load testing to 1,500 HP and 13.2 kV / 500 VDC



Motor Circuit Evaluation (MCE)

FIELD SERVICES

On-site Services

- Installation and commissioning
- Emergency and outage support
- Motor Circuit Evaluation (MCE)
- Cryogenic "dry ice" cleaning
- Laser alignment and bearing current detection
- Vibration analysis
- Thermography
- Ultrasonic testing
- Oil analysis and lubrication programs
- Hydro-electric generator maintenance
- Mechanical balancing, machining and repair
- AC & DC motor and generator repair
- Commutator and slip ring field machining and profiling
- Stator and armature rewinding

Performance Improvement Services

- Maintenance assessments
- Preventive, predictive maintenance programs
- Condition monitoring
- Motor efficiency studies
- Contingency planning
- Reliability engineering
- Training programs
- CMMS setup
- Power services analysis
- Inventory management
- Project management
- Motor, pump, gearbox management

IPS Cincinnati
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WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

PRODUCT SALES

AC & DC Motors—NEMA and Above NEMA, Gearmotors, Parts



Authorized Reliance OEM Replacement Parts

AC & DC—Coils and Armatures



- AC stator coils (up to 15 kV)—IntegraSeal™ B-stage hard coils, VPI and sealed coil systems
- AC rotating fields—edge and wire wound
- DC armature coils—VPI, dip and bake and sealed coil systems
- DC field coils—Shunts, Series, Compound, Rotor Bars, I-Poles
- Specialty coils (brake, transformer, etc.)

CNC Precision Machined Parts



- Shafts up to 16" diameter and 60" long
- Milling up to 20" x 40" plate – Flats and Hex parts
- Hole drilling and tapping
- Keyway machining
- Digital Bore gauges
- 3D CAD/CAM

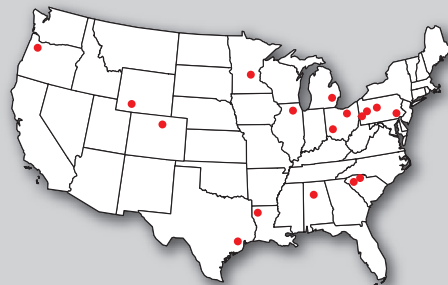
Dodge TXT Advanced Exchange & Remanufacture Program



- 1 year warranty on Advanced Exchange or Remanufactured units
- Sizes 3 thru 15
- Rebuilt with genuine Dodge parts
- Rebuilt to original designed specifications

IPS NETWORK CAPABILITIES

Coast-To-Coast Coverage



Motor & Generator Repair

- AC motor repair thru 15 kV or 80,000+ HP
- DC motor repair thru 10,000+ HP
- MegaSeal™ HV (up to 15 kV) with 5-year warranty
- 14 Ft. VPI—100% solids epoxy resin
- 145 ton lifting capacity
- Dynamic balance stand up to 100,000 lbs.
- **Nuclear**—Per 10CFR50 Appendix B and ANSI N45.2
- **Wind**—Up to 3+MW generator repair & uptower service
- **Mining**—MSHA Certification motor repair
- **Hydro**—On-site generator rewind and maintenance

Motor & Generator Testing

- Full load testing thru 4,500 HP
- No load testing up to 37,500 HP
- Run testing to 15,000 VAC / 1,000 VDC
- Computerized Core Loss up to 500kVA
- Doble® and Partial Discharge testing
- EL CID testing
- TVA Corona Probe
- IEEE 429 Water Immersion
- IEEE 1043 Voltage Endurance



NEMA motors



Above NEMA motors



Spare stator coils up to 15 kV



Remanufactured field coils - edge and wire wound

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