

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

REPAIR SERVICES

Motor & Generator Repair

- AC motor repair thru 5,500 HP
- DC motor repair thru 3,200 HP
- IntegraSeal™ B-stage Stator Coils up to 15 kV
- 5 Ft. VPI—100% solids epoxy resin
- 30-ton lifting capacity
- Dynamic balance stand up to 15,000 lbs.
- UL® certification
- CSA® certification
- Stator and rotor restacking
- AC and DC motor redesign
- Bearing rebabbiting
- Pick up and delivery service

Specialty Motor Repair

- Wound-rotor AC
- Motor/Generator sets
- AC generator rewinds
- Hermetic
- Vertical
- Submersible
- Mill duty
- Annealing furnace fan motors
- Synchronous, brush and brushless
- Traction
- Navy and Marine
- Wheel drive
- Explosion proof
- Variable speed
- High-efficiency AC
- Custom designs
- Servo
- Spindle
- Arbor
- Low-voltage DC

Motor & Generator Testing

- Full load testing thru 600 HP @ 1,800 RPM
- No-load testing thru 5,500 HP
- Run testing to 7,200 VAC / 700 VDC
- Motor Circuit Evaluation (MCE)
- Computerized Core Loss up to 50 kVA
- Vibration Analysis
- Thermography
- Polarization Index Test
- Resistivity
- Hi-Pot (AC & DC)
- Megger®
- Surge test

Mechanical Repair

- Lathe: 56" swing x 108" length
- Gear reducer rebuilding
- Pumps-centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Bearing rebabbiting
- Pressing up to 25 tons
- Key broaching and seating up to 1"
- MIG/TIG welding

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



30-ton lifting capacity



IntegraSeal™ B-stage coil rewind



Run testing to 7,200 VAC / 700 VDC



Motor Circuit Evaluation (MCE)

IPS Monarch Detroit
18800 Meginnity Drive
Melvindale, MI 48122

800.992.9466
313.388.7800
313.388.3235 (FAX)
www.ips.us

FIELD SERVICES

On-site Services

- Installation and commissioning
- Synchronous rotor diagnostics
- Filter replacements
- Emergency and outage support
- Motor Circuit Evaluation (MCE)
- Cryogenesis "dry ice" cleaning
- Vibration analysis
- Laser alignment
- Bearing current detection
- Thermography
- Oil analysis and lubrication programs
- 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
- Disaster assessment/recovery programs
- Reliability engineering
- Training programs
- CMMS setup
- Power services analysis
- Inventory management
- Project management
- Motor, pump, gearbox management

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

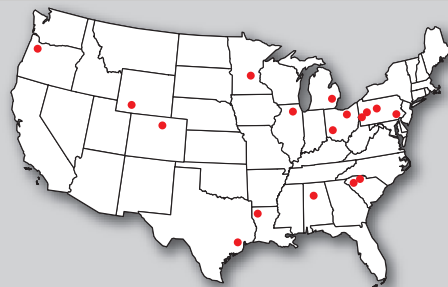
Dodge TXT Advanced Exchange & Remanufacture Program



- 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



Birmingham, AL
Chicago, IL
Cincinnati, OH
Cleveland, OH
Denver, CO
Detroit, MI
Glassport, PA
Houston, TX

Indiana, PA
Litchfield, MN
Philadelphia, PA
Portland, OR
Rock Hill, SC
Rock Springs, WY
Shreveport, LA
Washington, PA

Motor & Generator Repair

- AC motor repair thru 15 kV or 80,000+ HP
- DC motor repair thru 10,000+ HP
- 14 Ft. VPI—100% epoxy resin
- 145-ton lifting capacity
- MegaSeal™ VPI (up to 15 kV) with 5-year warranty
- EnduraSeal® VPI (up to 6.9 kV) with 5-year warranty
- Dynamic balance stand up to 100,000 lbs.
- **Wind**—Up to 3+MW generator repair & uptower service
- **Mining**—MSHA Certification motor repair
- **Nuclear**—Safety & contaminated services available
- **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
- Computerized Core Loss up to 500 kVA
- Doble® and Partial Discharge testing
- IEEE 429 Water Immersion
- IEEE 1043 Voltage Endurance
- EL CID testing
- TVA Corona Probe



NEMA motors



Above NEMA motors



Spare stator coils up to 15 kV



Remanufactured field coils
- edge and wire wound

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