



Series 5000 Service Requirements

Service Requirements for all Systems

All models require some service at seasonal intervals (fall and spring).

Components requiring some level of service:

Service every 3 months

- Truck battery connections
- Battery box connections
- Condenser electrical connections
- Condenser mounting hardware

Service every 6 months

- Condenser coil
- Compressor
- Evaporator

Idle Free Systems Technical Support:

Phone: 920-206-9333

Fax: 920-206-6099

Email: techsupport@idlefreesystems.com

PAT. (www.phillipsandtemro.com/patents)

Truck Battery Box Service (3 months)

- Locate the APU cable connection points at the Truck Batteries
- Check the positive and negative APU cables attached to the truck's batteries
 - Clean the cable lugs
 - Tighten the battery lugs
 - Protect the battery lugs with a corrosion preventative
- Locate the 250 Amp fuse connected to the red APU cable
 - Clean the cable lugs
 - Tighten the battery lugs
 - Protect the battery lugs with a corrosion preventative

Battery Box Connections (3 months)

- Check for signs of corrosion
- Clean, tighten and apply corrosion preventative
 - Positive and negative battery studs
 - Battery separator input and output connections
 - Fuse connections

Recommended corrosion preventative for electrical connections.

Part Number: 73100





Condenser Electrical Connections (3 months)

- Check for signs of corrosion
- Clean, tighten and apply corrosion preventative
 - Main power studs on the bottom of the condenser unit (Fig. 1)
 - Main power studs on the inside of frame (Fig. 2)
 - Four DC converter power connections (Fig. 2)



Fig 1

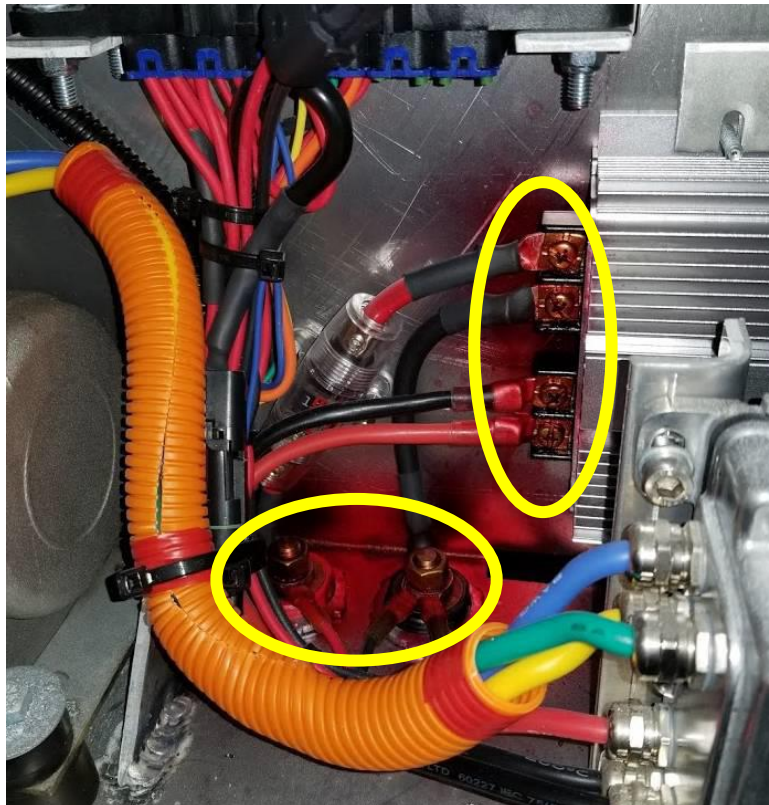


Fig 2

Condensing unit mounting hardware (3 months)

Check all mounting hardware to ensure all are secure and torqued to 11 ft-lbs.

- Mounting plate to cab - 8 bolts
- Condenser to isolators - 4 nuts

Warning: Torque must be measured as a dry torque without use of lubrication or anti-seize product. Improper torque of the mounting bolts can lead to loosening or failure.

Condenser Coil (6 months)

- Clean with low-pressure water

Compressor (6 months)

- Check the rubber compressor feet bushings and hardware for tightness

Evaporator Filter Service (6 months)

- Remove the filter cover (1/4 turn knobs), then remove filter and wash with water to remove dust/dirt
- Check the exposed coil for cleanliness
- Check the drain hose for proper drainage
- Check the temperature sensor for dust and debris- wipe with clean dry rag to remove any debris.
- Reinstall the filter and filter cover

Remove evaporator filter



Temp sensor and exposed coil

