



Issue Date: November 16, 2005

SB Number: SB0020A

Topic: Preventative Maintenance Check List

Application: CEN C703 Alternators

Remove belt guards, then check the following items:

1. Are drive belts in good condition: Replace if cracks in grooves, split back, or other damage or defects.
2. Are drive belts properly tensioned: No less than 100 lb.
3. Is alternator pulley nut tightened to 120 lb. ft. torque? Use CEN A10-135 Pulley Tool to check torque. See Figure 1.
4. Are alternator mounting bolts tightened to 65 lb. ft. torque?
5. Is B+ terminal on alternator free from corrosion and tightened to 22 lb. ft. torque?
6. Is B+ cable support on rear of alternator holding B+ cables properly? Ensure cable fits through the rubber grommet and clamp. Screws holding cable clamp should be tightened to 90 lb. in. torque.
7. Is B- terminal bolt on alternator free from corrosion and tightened to 15 lb. ft. torque?
8. Is regulator mounted properly and regulator mounting bolts tightened to 75 lb. in. torque?
9. Is alternator-to-regulator harness securely plugged into regulator and connector screwed tightly onto receptacle? Use pliers to ensure tightness.
10. Are electrical connections to regulator (terminals IGN, P, and D+) tightened to 40 lb. in. torque and sourced properly?
11. Are alternator fan and airways free of dirt and debris? Use air hose to clean front and rear airways.

Re-install belt guards.

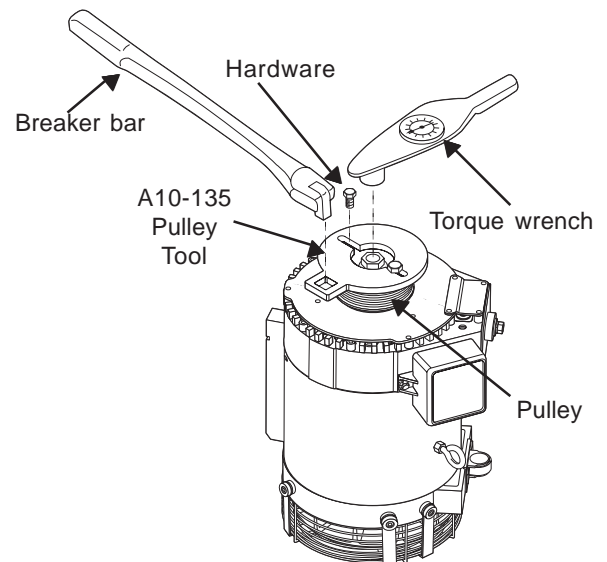
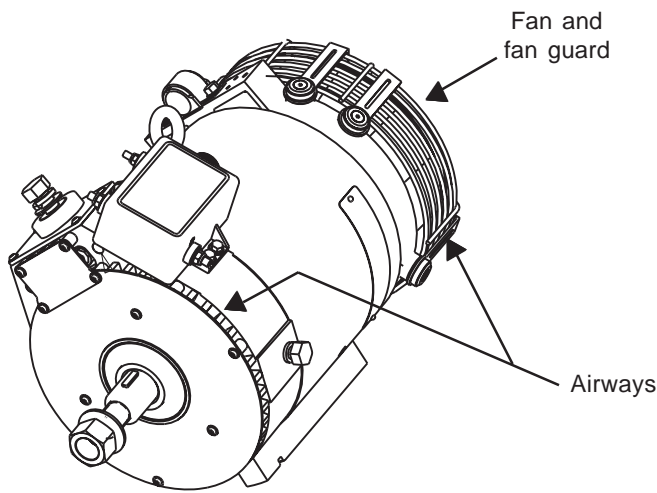


Figure 1 C703 Alternator