



PX-8 BCK Kit Assembly Instructions

Note: All o-rings can be discarded and new insulators and hardware should be used. The insulator kit, p/n PX-8 IK, and the hardware kit, p/n PX-8 HK, are included in the PX-8 BCK.

1. Press inner bearing into front housing and install retainer
(Use punch to stake collar screws)
2. Press outer bearing into front housing and install retainer
(Use punch to stake collar screws)
3. Press rotor into front housing
4. Press field coil into diode end housing
5. Tap stator shell thru bolt holes, if required
6. Assemble diode end housing to stator shell

*Please note that on newer style Delco OEM stator/shell assemblies, there is a one-piece plastic stator lead insulator/support. Instructions for these new style assemblies calls for drilling out the stator lead holes in the alternator diode end frame to 39/64" or 15.5mm to accommodate the larger diameter of the insulator. Delco Ref. #10502989.

7. Install rectifier bracket studs into diode end housing
8. Mount new rectifier assemblies into diode end housing. Make sure new brass rectifier spacers are properly seated
9. Attach R terminal lead to diode end housing and rectifier
10. Assemble front housing and install thru bolts
11. Assemble end cover
12. Install fanguard, fan and pulley. Bench test alternator

If properly assembled, the PX-833 air-cooled alternator produced from the PX-8 BCK kit should generate an output of 300 - 330A @ 28V and 5,000 rotor RPM. Output results will vary based on the type of components used in the assembly.

If you require assistance please contact PennTex toll free at (877) 590-7366.