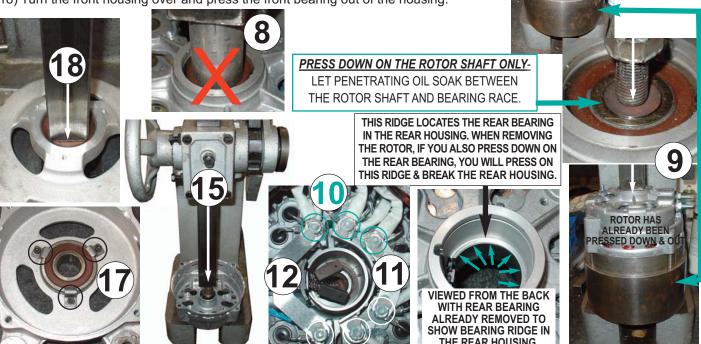


PX-2, PX-4G-5, PX-5 & PX-7 ALTERNATOR TEAR-DOWN INFO

Disassemble for inspection - short version

NOTE: # 15 shows hand-operated press used in most operations.

- 1) Remove the rear bearing retainer snap ring.
- 2) Remove any nuts, washers, or insulators from the large heat sink posts.
- 3) Remove the pulley attaching nut, pulley, fan, & fan spacer.
- 4) Remove the four rear housing to front housing attaching Allen bolts.
- 5) Put penetrating oil on the rotor shaft at the bearings for easier disassembly.
- 6) Use a 3-jaw puller to pull the front housing off of the rotor.
- 7) Place a support ring on a hand-operated press and mount the rear assembly on it, stator down.
- 8) **NOTE**: Don't try to press the rear bearing out with the rotor. Press down directly on the rotor shaft only.
- 9) Pressing down gradually on the $\underline{\text{rotor only}}$ will push the rotor down & out of the rear bearing & the rear housing.
- 10) Turn the rear housing & stator assembly over. Remove the 3 stator attaching nuts and remove the stator.
- 11) Remove the 3 nuts on the other heat sink that retain the 3 metal straps.
- 12) Take the brush holder lead and the 3 metal straps off of the heat sink studs.
- 13) On a 2005 and up PX-5 D, also remove the negative diode leads from the heat sink studs.
- 14) Remove the heat sink, brush holder, and capacitor attaching screws.
- 15) With the rear bearing on the bottom, press the rear bearing out of the rear housing.
- 16) Remove the rear bearing wave washer from the rear housing.
- 17) Remove the Allen screws attaching the 3 bearing retainers to the front housing.
- 18) Turn the front housing over and press the front bearing out of the housing.



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Corporate:

202 Plaza Drive Manchester, PA 17345 Ph: 717-266-8762

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www.penntexusa.com email: sales@penntexusa.com tech@penntexusa.com

