

PennTex INDUSTRIES, INC. **PX-833** 24 Volts 330 Amps



AIR-COOLED 50DN REPLACEMENTS & **PX-8 BCK OIL-TO-AIR CONVERSION KITS**

- ★ It is specially designed for motorcoaches and transit buses.
- ★ **It produces more than 230 amps of output at engine idle.**
- ★ It uses the existing hardware, electrical connections, and pulley for ease of installation.
- ★ **There is increased fuel economy from decreased torque and horsepower drag on the engine.**
- ★ The easy conversion from oil-cooling to air-cooling eliminates alternator oil leaks which means reduced maintenance costs.
- ★ **It has specially designed bearings with high temperature grease and seals.**
- ★ No more oil from the alternator will get in your engine oil.
- ★ **No oil seals translate to a faster PX-8 BCK Kit assembly time at overhaul.**
- ★ An oil line cap kit, instructions and tech help are provided.



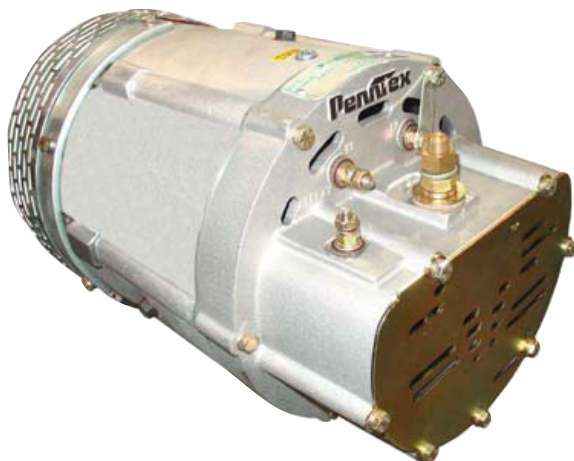
**NO MORE OIL LEAKS
SAVE MONEY ON FUEL**

Get The PennTex Advantage!
PERFORMANCE, ENDURANCE AND SATISFACTION

The *air-cooled* PennTex PX-833 is a cost & time-efficient upgrade for belt drive oil-cooled 50DN alternators, with a rating of 330 amps @ 24 volts. The PX-833 and the PX-8 BCK Kits replace technology that was created more than 50 years ago.

The unique design of the brushless PX-833 produces an additional 60 amps, with more than 230 amps available at engine idle. The unique fan design and optimized cooling slots maximize internal cooling. The rectifier heatsinks have more surface area to increase heat dissipation. The rectifier assemblies were designed to operate in the extreme heat environment of engine compartments with little or no air movement.

The unique PX-833 design benefits translate into a more efficient charging system that produces more output. Fuel economy is increased because there is less drag on the engine when compared to the oil-cooled 50DN.



Manufacturing Plant Location: Ft. Worth, TX



Ph: 877-590-7366 Fax: 817-590-0505 sales@penntexusa.com www.penntexusa.com

As a complete alternator or as a rebuild kit, PennTex can supply your air-cooled 50DN Conversion.



The PX-8 BCK Kit takes less time to build than an oil-cooled 50DN meaning reduced labor costs and faster rebuild turnarounds.

No more oil leaks



PennTex PX-8 BCK Kit Contents

 Drive End Frame	 High Temperature Bearings	 Rectifier End Frame
 Fan Shroud & Mounting Hardware	 Stator Assembly Plugs	 Rear Cover Plate & Mounting Hardware
 Cooling Fan	 Oil Line Cap Kit	 Outer DE Bearing Retainer & Mounting crews
 Insulator & Accessory Kit PX-8647	 Hardware Kit PX-8995	 Rectifier Heat Sinks (3)



No oil means no oil seals to lubricate and seat in.

Uses existing hardware, electrical components and pulley.

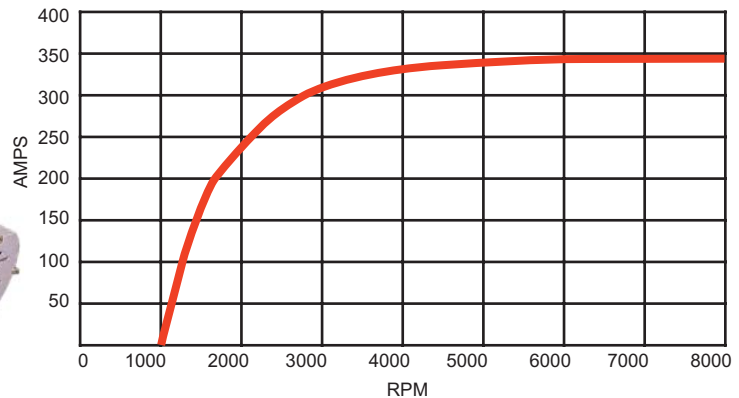


This is the most efficient solution to an old, outdated problem: using engine oil to cool the alternator.

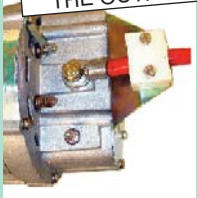
WARRANTY

PENNTEx INDUSTRIES, INC. STANDARD PX-833 WARRANTY IS TWENTY FOUR (24) MONTHS / UNLIMITED MILEAGE WHEN INSTALLED ON A NEW OEM VEHICLE. AFTERMARKET INSTALLATIONS HAVE A WARRANTY OF TWELVE (12) MONTHS / UNLIMITED MILES. **PX-8 BCK KITS HAVE A TWELVE (12) MONTH WARRANTY ON PENNTEx PARTS.**

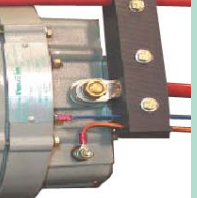
Alternator Series: PX-833 24-volts
Weight: 97 lbs.



THESE BRACKETS DON'T RETAIN WATER AT THE OUTPUT POST LIKE OTHER DESIGNS

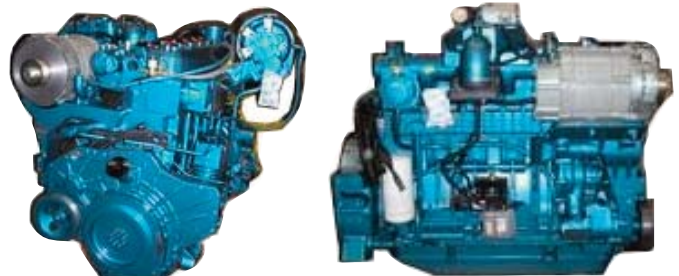


PX-8150: Support Kit for Single Output Cable



PX-8968: Support Kit for Positive & Negative Cables and Relay & Field Wires

Optional Cable Support Clamp Kits



The PX-833 alternator on a newly designed engine

PERFORMANCE ENDURANCE AND SATISFACTION



Manufacturers of High Efficiency Alternators and Mobile Electronic Devices.

Corporate:
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tech@penntexusa.com

MODEL PX-8 Series optional Kits

PX-833 and PX-8 BCK Alternator Cable Support Clamp Kits

What do the support clamp kits do? A large diameter battery cable is heavy and it will bounce up and down when the vehicle goes over a bump. The battery cable terminal end is the weak point. If left unsupported, it can cause the attaching nut to loosen or the terminal can even break in two. This could allow a high-amperage 24-volt battery cable to bounce around unprotected in the engine compartment. An example of that is below. Movement in an unsupported output cable loosened the cable terminal attaching nut. The resulting heat from the loose connection melted the brass output post and aluminum rear housing. What was left fell off and shorted against the alternator rear cover. A hole was melted in the rear cover.

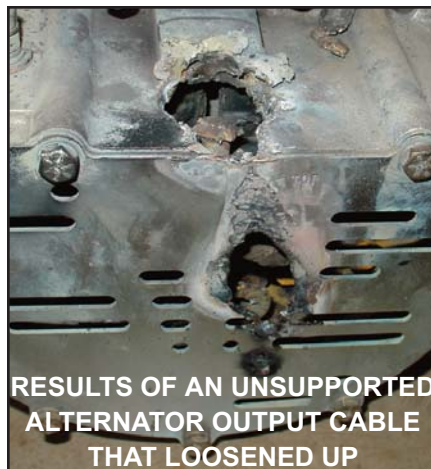
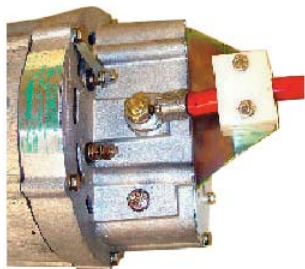
PennTex Industries has two different Cable Support Clamp Kits available. The PX-8150 Kit, below on the left, supports only the positive output cable, and attaches to the rear of the alternator using two of the rear cover plate bolts.

The PX-8968 Cable Support Clamp Kit, below on the right, supports the heavy positive & negative alternator cables, and also the two smaller alternator wires that can break off just as easily as the larger cables. With this kit, a replacement rear cover plate is included for the clamp mount. The clamp block can be trimmed to fit special applications.

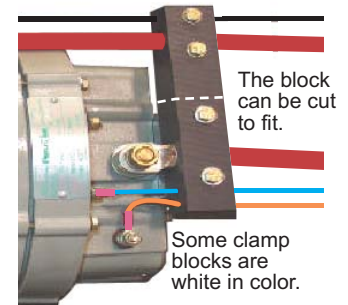
Eliminate a known trouble spot with these support kits to make your vehicle more safe and reliable.

AN ADDITIONAL SAFETY NOTE: it has come to our attention that some 50DN-style cable support kits block water drainage and allow moisture to puddle in the output stud area. Proper water drainage was designed into both PennTex Cable Support Kits from the beginning. The only poor water drainage issues we know of are with non-PennTex support kits. It would be a good idea to check your buses to be sure you don't have a water drainage issue problem.

PX-8150 Cable Support Clamp Kit



PX-8968 Cable Support Clamp Kit



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