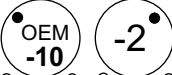


IMPORTANT NOTE:
THERE ARE SEVERAL
PX-4V-220 MODELS DEPENDING
ON THE OUTPUT POST CLOCKING.
SEE DRAWING IN UPPER RIGHT &
SEE OUR WEB SITE FOR INFORMATION.

THE FRONT BEARING IS
RETAINED BY A SPECIAL
MACHINING PROCESS.
A FULLY INSTALLED
PX-4288 BEARING IS
PART OF THE PX-4276
PART NUMBER.
SEE PHOTOS
ON PAGE 67.

MODEL
PX-4V-220



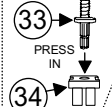
OUTPUT POST LOCATION
FROM THE REAR
(WITH THE TWO
FRONT HOUSING
MOUNTING HOLES
ON THE BOTTOM)

35 GRAY FIBER INSULATOR
LOCATIONS. USE SILICONE
TO HOLD IN PLACE OVER
OUTPUT STUD AND
CENTERED ON OPENING TO
LEFT OF DIODE.

OEM-STYLE
TOLERANCE RING
WAS SUPERSEDED
IN 2009 BY PART #11A:
PX-4297-PKG.
USE SILICONE BETWEEN
RING AND REAR HOUSING.

PARTS IN BOX
ALSO INCLUDED WITH
HEAT SINK PX-4224

STUD &
INSULATOR
UNDER # 21



SMALL PARTS ARE ENLARGED FOR VISIBILITY

Penntex DATE: 11-19-2015
INDUSTRIES, INC.
DRAWING BY DMc Scale: None
REVISED BY DATE:

**PX-4V-220 SERIES
ALTERNATOR (12-VOLT)**

PX-4V-220 (12-VOLT)

PARTS LIST

Serial #'s 020658235 to Present



Note: Quantity (Qty.) is the number of single parts required in one alternator.

No.	Part #	Description	Qty.	No.	Part #	Description	Qty.
1	PX-1060-PKG	Nut, SB Rotor (Package of 10)	1	36 ***	PX-1108-PKG	Washer, M4 Flat (Package of 50) Part not shown in drawing	1
2	PX-1059-PKG	Washer, Rotor, Lock (Package of 10)	1				
3	PX-4287	Pulley, 2.3 K6 SB	1				
4	PX-4276	Housing, Front, with PX-4288 bearing installed in housing (PX-4V-220)	1				
5	PX-4288	Bearing, Front (PX-4V-220)	1				
6	PX-4277	Spacer, Rotor. (This is part of the rotor on new replacement rotors and an additional spacer is not needed.)	1				
7	PX-4278	Rotor, 12-Volt, with integral front spacer	1				
8	PX-4279	Bearing, Rear (PX-4V-220)	1				
9	PX-4280	Cover, Rear Bearing, Metal	1				
10	PX-4290	Stator, 12-Volt, 220-Amp (PX-4V-220)	1				
11A	PX-4297-PKG	Ring, Metal Tolerance (Pkg of 5)	1	See our Warehouse Distributor List at www.penntexusa.com Contact Us: Toll Free: 877-590-7366 Phone: 817-590-2818 Fax: 817-590-0505 Tech Fax: 817-590-0398 web: www.penntexusa.com email: sales@penntexusa.com tech@penntexusa.com There are 4 PX-4V-220 models. This depends on the alignment of the rear housing to the front housing. It is very important to order the correct one. See the diagram in the upper right corner of the parts diagram, see information on our website at www.penntexusa.com , or contact us.			
12	PX-4282	Housing, Rear, Bare (PX-4V-220)	1				
12A	PX-4275	Housing, Rear, With Negative Diodes installed	1				
***	PX-4223	Housing Assembly, Rear W/O Stator	1				
Note: PX-4223 includes items 12,13,15,16,18,19,21, 22,23,24,25,26,27,28,29,30,31,32 & 36 as required							
13	PX-4283	Brush Holder Assembly (PX-4V-220)	1				
14	PX-4286	Bolt, Rear Case to Front Case Thru	4				
15	PX-4285	Cover, Rear, Positive Rectifier, Black	1				
16	PX-4229-PKG	Screw, Attaching, Heat Sink and Brush Holder (PX-4V-220) (Pkg of 10)	4				
18	PX-4227-PKG	Insulator, Brush Holder Screw (Pkg 5)	1				
19	PX-1098-PKG	Washer, #8 Flat, (Pkg of 25)	6				
20	PX-1091-PKG	Insulator, Heat Sink Stud (Pkg of 5)	6				
21	PX-1099-PKG	Nut, 8-32 Keps (Package of 25)	3				
22	PX-4273	Pigtail, Assembly, 2-wire (PX-4V-220)	1				
23	PX-4224	Heat Sink Assembly, Positive (See Photo on P. 74. Attaching Parts & Insulators # 18, 20, & 35 not included)	1				
***	PX-5406-PKG	Diode Assembly, Positive (Pkg of 10)					
24	PX-1106-PKG	Nut, 5/16x18 Steel (Pkg. of 15)	1				
25	PX-1116-PKG	Washer, 5/16" Flat (Pkg. of 25)	2				
26	PX-2545	Positive Output Post, 5/16" Square Head	1				
27	PX-4296	Bushing, Positive Output Post	1				
28	PX-1516	Nut, 5/16" Jam	2				
29	PX-1515	Washer, 5/16" External Tooth Lock	1				
30	PX-4284	Insulator, Stator Lead (PX-4V-220)	1				
31	PX-1100-PKG	Washer, Lock (Package of 25)	4				
32	PX-5335-PKG	Diode Assembly, Negative (Pkg of 10)	6				
33	PX-1040-PKG	Stud, Heat Sink (Package of 25)	3				
34	PX-1039-PKG	Insulator, Heat Sink Stud (Pkg of 25)	3				
35	PX-4221-PKG	Insulator, Gray Fiber Washer (Pkg 5)	2				