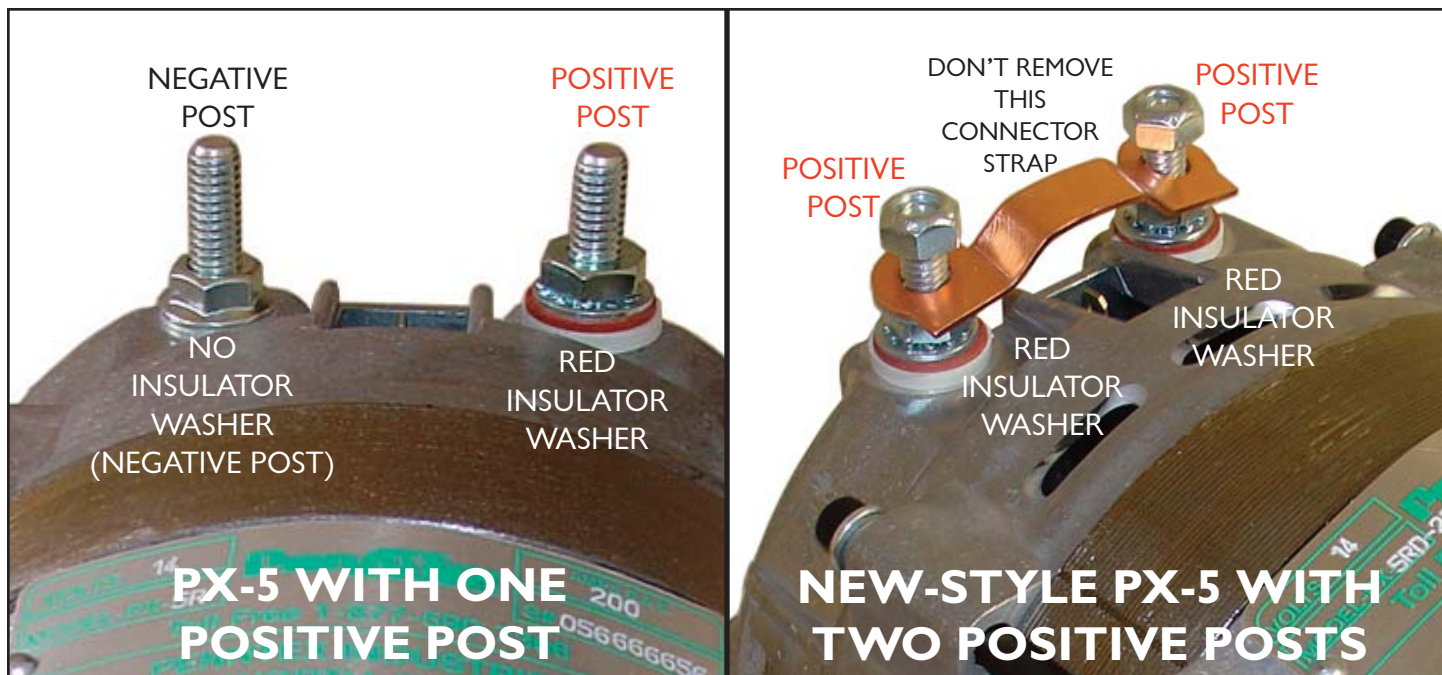




REPLACING A SINGLE-POSITIVE-POST PX-5 WITH A DUAL-POSITIVE-POST PX-5



QUESTION: this new PX-5 alternator has a connector strap between the two big posts on the top where the cables connect. The PX-5 alternator that I took off doesn't have that strap. **Do I have to connect the Positive & Negative cables up differently on this new PX-5 alternator?**

ANSWER: Yes. Older PX-5 alternators generally produced before October of 2005 had ONE POSITIVE POST and ONE NEGATIVE POST. Newer PX-5 alternators generally produced after serial number 100555949 have TWO POSITIVE POSTS. The 6 negative diodes are now in the rear housing with both internal heat sinks now holding a total of 12 Positive diodes. For links to wiring schematics click here.

DO'S & DON'TS:

DO hook the Positive cables to one of the Positive posts on the new PX-5 when making your connections.

DON'T remove the Connector Strap between the two posts.

DO install the new PX-5 alternator just like the old one EXCEPT FOR THE GROUND CABLE.

Connect the Ground cable to a good Ground on the engine. Make sure Ground cables are heavy enough in size.

DON'T connect the small Black PennTex harness Ground Wire to a Positive post. Cut the black regulator Ground wire to 18" at the regulator and attach to a good ground near the regulator. See the attached page for more info.

PERFORMANCE, ENDURANCE AND SATISFACTION



**Manufacturers of
 High Efficiency Alternators and
 Mobile Electronic Devices.**

Corporate:
 202 Plaza Drive
 Manchester, PA 17345
 Ph: 717/266-8762
 Fax: 717/266-7803

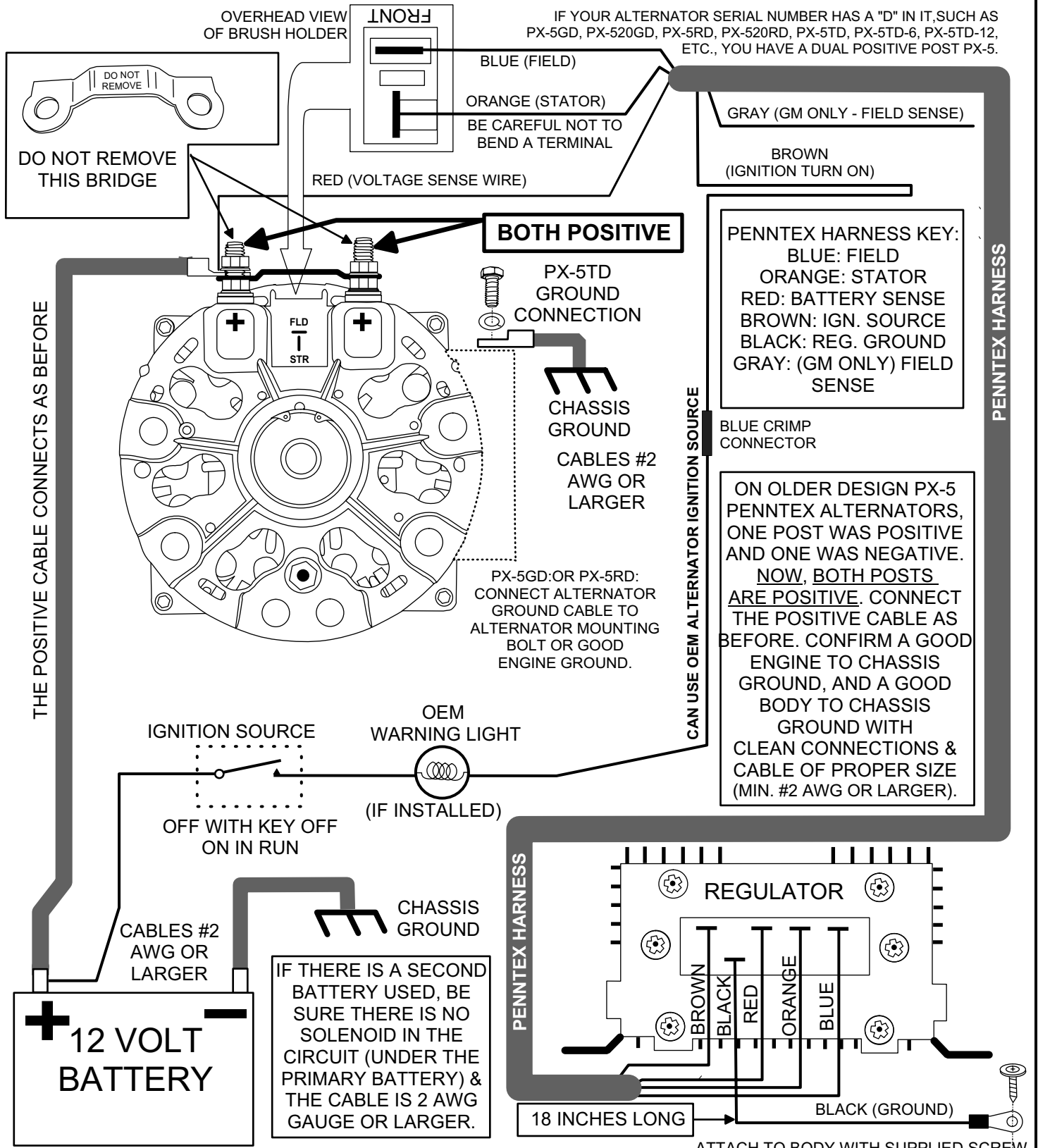
Manufacturing:
 7620 Flagstone Drive
 Fort Worth, TX 76118
 Ph: 817/590-2818
 Toll Free Sales/Tech: 877/590-7366
 Fax: 817/590-0505

www.penntexusa.com
 Email: sales@penntexusa.com or
tech@penntexusa.com



NOTICE: PX-5 ALTERNATORS HAVE BEEN CHANGED.
THE CONNECTIONS MAY BE DIFFERENT. BE SURE OF WHAT YOU HAVE.

PX-5
100555949-UP



NOTES: THIS IS A GENERIC WIRING SCHEMATIC FOR THE PX-5 DUAL OUTPUT ALTERNATORS. THIS IS NOT SPECIFIC TO ANY CERTAIN MAKE, MODEL, OR ENGINE.
CHARGING CABLE SIZE: MINIMUM #2 AWG OR LARGER

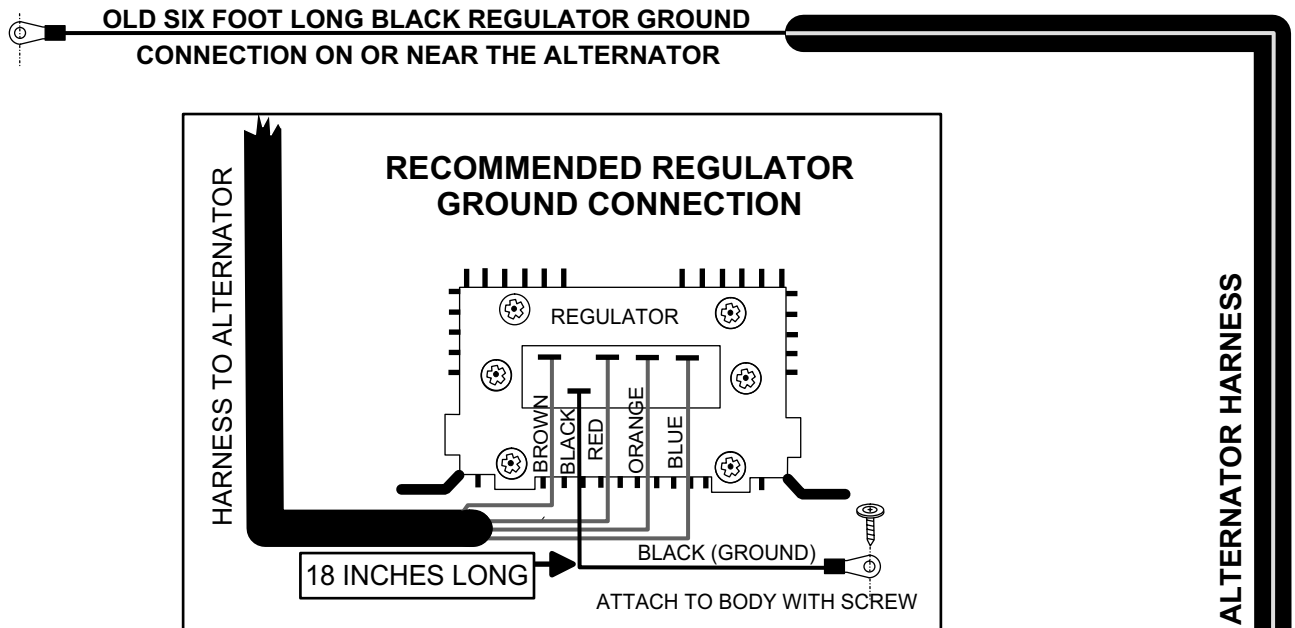
Penntex
INDUSTRIES, INC.

FT. WORTH, TX MANCHESTER, PA
877-590-7366 www.penntexusa.com

TITLE/DESC. GENERIC WIRING DIAGRAM FOR PX-5-DO ALTERNATOR WITH PX-4000 REGULATOR		
DATE: 07-09-07	DRAWING NUMBER: PD-208	
DRAWN BY: DMc	REVISION:	CHECKED BY:
SCALE: NONE		PAGE: 1 OF 1

RECOMMENDED CHANGE ON ANY PRE-2007 VEHICLE WITH A PENNTEX ALTERNATOR

THE PENNTEX REGULATOR GROUND WIRE ATTACHMENT LOCATION HAS CHANGED.



PennTex changed the ground wire hook-up for our regulator harnesses in 2007. A 6-foot long ground wire from the regulator to the alternator has been superseded by a shorter 18-inch regulator ground wire with a self-tapping screw to attach the ground wire ring terminal. This is intended to be a vehicle body ground, closer to the regulator and independent from the alternator ground.

This change is a result of continued difficulties with good alternator-to-chassis grounding on new OEM and Aftermarket installations, and especially on older buses that have developed poor cable connections from age or insufficient maintenance practices. Providing a separate ground connected to the vehicle body will help prevent regulation system damage or malfunction due to poor ground situations, which will decrease vehicle downtime.

If you have any questions, please contact our technical department at 877-590-7366 or by email at tech@penntexusa.com. Thank you for using PennTex products.

