



**C. E. Niehoff & Co.**  
BRUSHLESS ALTERNATORS

## N7289 Drive End Housing Assembly for N1375 Alternators

### Installation Instructions

#### **DANGER**

This symbol is used in these instructions to indicate the presence of hazards that will cause severe personal injury, death, or substantial property damage if ignored.

1. Make sure three envelopes were supplied with the new housing assembly. Each envelope contains hardware necessary to correctly assemble housing assembly onto unit.
2. On new DE housing assembly, remove and discard ALL washers and nuts affixed to positive-negative diode pairs—SEE PAGE 2 for SPECIFIC DIODES. Do not reuse existing hardware.

#### **DANGER**

Removing hardware from other diodes will cause severe damage to equipment.

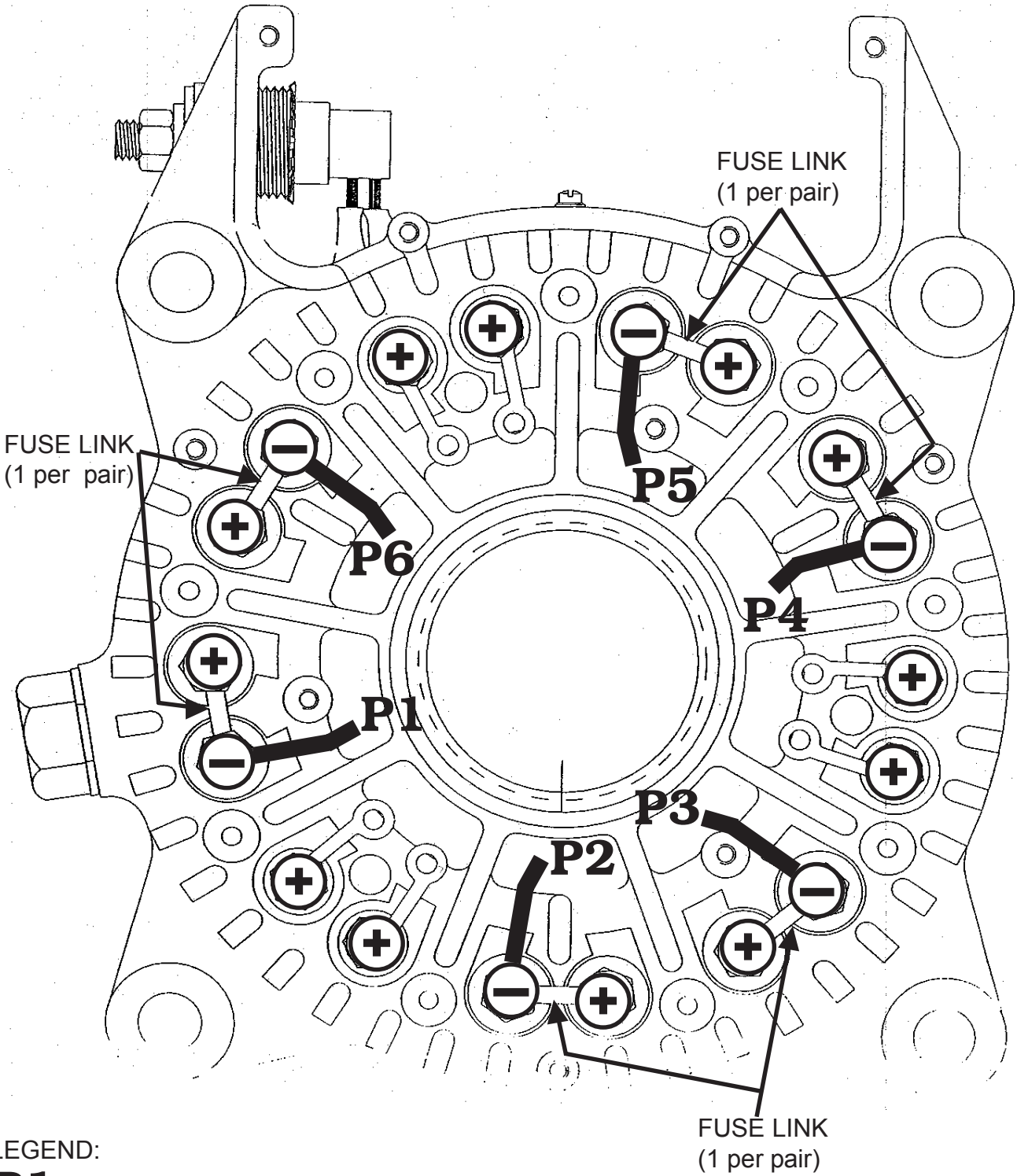
3. Install new housing assembly on shell/stator/field coil assembly, making sure to guide all leads through openings in housing.
4. See pages 2 and 3 to install phase leads and fuse links on housing. Torque all new brass nuts to 2.8–3.0 Nm/25–27 lb. in. Allow 16 hours to set, then retorque brass nuts to 2.9–3.1 Nm/26–28 lb. in.
5. Make sure to clean all leads to be attached to terminal strip in control unit. See page 4 to attach leads to terminal strip. Torque screws to 0.9–1.1 Nm/8–10 lb. in.
6. Install lock washer and bolt provided in kit to ground terminal on housing assembly.
7. Coat diodes with fuse links with Dow Corning® 1-2577 Low VOC RTV coating or equivalent. Do not use coating containing acetic acid (vinegar smell) on electrical components.

# FUSE LINK INSTALLATION

Fuse links must be installed in locations shown below. Connect phase leads to negative diodes as indicated.

**DANGER**

Failure to install fuse links where shown below or to follow fuse link stacking order on page 3 will cause severe damage to equipment.



LEGEND:

**P1** PHASE LEAD

**-** NEGATIVE DIODE

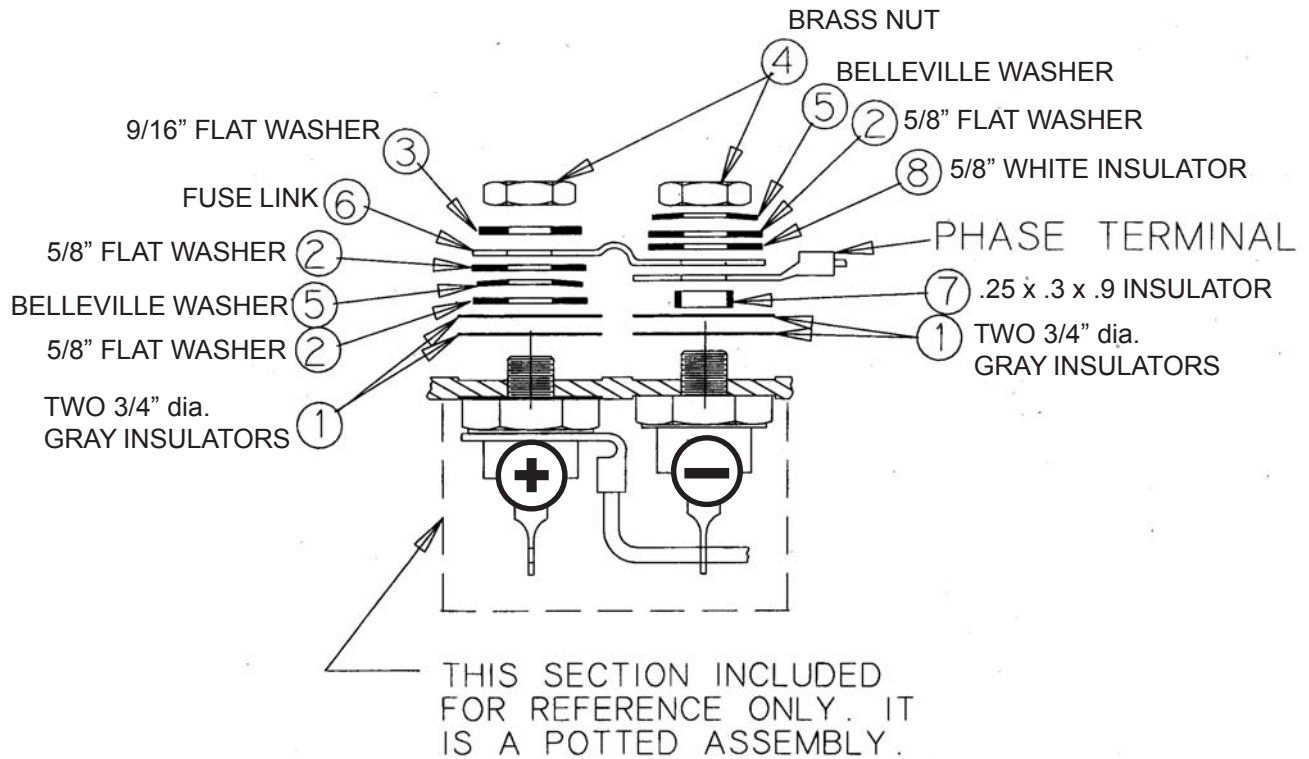
**+** POSITIVE DIODE

## FUSE LINK STACKING ORDER

Fuse links must be installed in stacking order shown below.

**DANGER**

Failure to follow fuse link stacking order below or to install fuse links where shown on page 2 will cause severe damage to equipment.



## FUSE LINK PAIR PARTS LIST

Item	Part Number	Description	Qty. Req'd for Each Diode	
			POS	NEG
①	N9351	3/4" dia. GRAY INSULATOR	2	2
②	N9338	5/8" FLAT WASHER	2	1
③	N9062	9/16" FLAT WASHER	1	N/A
④	N9346	BRASS NUT	1	1
⑤	N9347	BELLEVILLE WASHER	1	1
⑥	N9333	FUSE LINK	1 spans both diodes	
⑦	N9352	.25 x .3 x .9 INSULATOR	N/A	1
⑧	N9349	5/8" WHITE INSULATOR	N/A	1

# TERMINAL STRIP IN CONTROL UNIT

