C653 and C653A: C.E. Niehoff & Co. A5-581 Drive End Rectifier Housing **Replacement Instructions**

A5-581 Drive End (DE) Rectifier Housing will work with old and new housings. See CEN Technical Bulletin TBI5 and instructions below for details.

For older alternators that require the original part, order CEN DE Rectifier Housing Service Part A5-547.

When replacing a new-style DE housing on C653 alternators with serial numbers 14855 or earlier / C653A alternators with serial numbers 21113 or earlier:

- 1. Route the longer harness on the new housing one of several ways as shown in Figures 1-3 below.
- 2. Use the P-clamp and T-20 M4x.7x11.6mm long screw (furnished) to secure the harness to the DE housing at one of the screw locations. Hand-tighten to no more than $2.3\ Nm\ /\ 20\ lb.$ in.

DE-mounted Regulator (Replacing Old-style Housing)



Figure I

ADE-mounted Regulator (Replacing Old-style Housing)



Figure 2



Figure 3

When replacing a new-style DE rectifier housing on C653 alternators with serial numbers 14856 or later / C653A alternators with serial numbers21114 or later:

- 1. Secure the harness on the shell as shown in Figure 4, whether the regulator is installed on the DE or ADE of the alternator.
- 2. Use the P-clamp and TXM-25 M5 screw (furnished) to secure the harness to the alternator shell. Hand-tighten to no more than 3.4 Nm / 30 lb. in.

New-style Housing



Figure 4

If you have questions about your alternator or any of these instructions, or if you need to locate a Factory Authorized Service Dealer, please contact us at: