



Date: 1/4/2021

Subject: Change to SAE/USCAR-21, Rev 4 (Letter #1)

This letter describes a change to USCAR-21 (Crimp testing). Comments and/or questions should be addressed to EWCAP@uscar.org

The change is to section 4.5.1 Electric Current Cycling Test (ECC). This is an editorial change only and does not impact testing. Please replace the existing paragraph 4.5.1.1 with the following:

4.5.1.1 Purpose

Current cycling is an accelerated aging test that emphasizes the effect of expansion and contraction of terminal interfaces and conductor crimps as a result of **resistance (Joule) heating** ~~thermal cycling~~. This test is optional when run in addition to ENV. With the approval of the customer, it may be used in lieu of ENV (See Table 5.1) but must be noted as such on the drawing and requires customer approval. Typically, the Accelerated Environmental Test (Paragraph 4.5.2) is done and not ECC.