



11/29/2022

Subject: Change to SAE/USCAR-2, Revision 8, (Letter #3)

Changes have been made to the USCAR-2 specification. Comments and questions can be sent to EWCAP@uscar.org.

Situation:

A quantity in a USCAR-2 test section does not match the test sequence table and criteria section. The test section needs to be changed to show that 10 samples (not 5) are tested for lock strength.

Resolution:

The following change has been made to USCAR-2 5.4.2.3 B:

UNMATING/RETENTION FORCE

1. Prepare ~~five~~ a total of 15 mated pair samples: ten connector pairs without terminals or wires and five connector pairs loaded with the appropriate wires and terminals for Step 5. (NOTE: It is permissible to use samples from Section A: mating force, provided that the samples remain in the mated state and without any other conditioning.) Completely mate all connector pairs.
2. ~~Five~~ Test the ten samples not loaded with terminals with the connector primary locking mechanism fully engaged (but leave CPA not engaged). For this group, completely unmate the connector halves by applying a uniform force parallel to the centerlines of the fully mated connector halves. The force tester must be configured to apply the unmating force directly to the connector halves. Straight-out unmating is critical to avoid side loads and binding which can affect force measurements.