

05/01/24

Subject: Change #11 to SAE/USCAR-2, Revision 14

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

Situation:

In Table 5.4.5.2.4, TPA removal test sample is not specified whether to have terminals installed.

TABLE 5.4.5.2.4: PRE-STAGED CPA/TPA/PLR AND ISL ASSEMBLY/DISASSEMBLY FORCES

Device	Engage	Removal	
	Pre-set to lock (N)	Lock to pre-set (N)	Pre-set to Removed (N)
CPA Unmated Connector	<ul style="list-style-type: none"> 60 min 100 min for airbag deployment connectors⁽¹⁾ 	n/a	30 min
CPA Mated Connector	<ul style="list-style-type: none"> 5 min Max. per USCAR-25 Table 7.1 	<ul style="list-style-type: none"> 10 min 30 max 	n/a
TPA / PLR or ISL	<ul style="list-style-type: none"> 60 max with terminals installed in all available cavities 15 min without terminals 	<ul style="list-style-type: none"> 60 max - 1st mate 18 min - 2nd mate 	25 min

NOTES:

¹⁾ Pre-set to lock is 100 N min for air bag initiators mating to USCAR dwg. 999-U-002-1-Z03 or 999-U-002-1-Z04. This is needed to compensate for the exposed CPA in that design style.

Resolution

The following is effective immediately. It divides the test to be clear on the intent.

Device	Engage	Removal	
	Pre-set to lock (N)	Lock to pre-set (N)	Pre-set to Removed (N)
CPA with unmated connector	60 min ⁽¹⁾	n/a	30 min
CPA with mated connector	<ul style="list-style-type: none">• 5 min• Max. per USCAR-25 Table 7.1	<ul style="list-style-type: none">• 10 min• 30 max	n/a
TPA/PLR/ISL with terminals installed in all available cavities	<ul style="list-style-type: none">• 60 max - 1st mate• n/a - 2nd mate	<ul style="list-style-type: none">• 60 max - 1st removal• 18 min - 2nd removal	25 min
TPA/PLR/ISL without terminals installed	15 min	n/a	n/a

NOTES:

- ¹⁾ Pre-set to lock is 100 N min for air bag initiators mating to USCAR dwg. 999-U-002-1-Z03 or 999-U-002-1-Z04. This is needed to compensate for the exposed CPA in that design style.