

54-095 New Battery Cable Access (BCA) Parts for Improved Cold Weather Functionality

TSB-54-095-WST

Creation Date:2024-07-30

Last Revision Date:2024-08-14

Engine or Vehicle Affected:

- ▶ 57X
- ▶ 49X
- ▶ 47X

Description of Revisions: This bulletin replaces the version dated 07/30/2024. Make has been updated in the described condition.

This is an informational bulletin only. The described condition is a product improvement and is not warrantable.

Described Condition

In some Western Star vehicles, the battery cable access (BCA) module, which includes an internal high current contactor, has been found to operate inconsistently in temperatures that fall below -4°F (-20°C). This issue tends to surface each winter, particularly in vehicles left parked overnight in conditions where the temperature dips below -4°F (-20°C). The problem becomes apparent when the cab load disconnect switch (CLDS) is switched to the off position.

Beginning on April 14, 2024, new BCA module part numbers, which contain new electronic sub-components to address this performance issue, are being installed on all products. These BCAs will function correctly down to -40°F (-40°C). The new contactors will be available for servicing vehicles.

🔧 **Note:** Part A66-36856-026 can be used to replace many existing parts. However, it is necessary to confirm fuse ratings and to move the circuit breaker, if equipped, from the BCA being replaced.

The new part number will enable the contactor in the BCA to switch on and off at temperatures down to -40°F (-40°C). See [Table 1](#).

Parts Required

Table 1, Part Required

Old Part Number	New Part Number	Description
A66-01830-002	A66-36856-000	MDL-BCA,BL W/CNTR
A66-01830-003	A66-36856-064	MDL-BCA,NG BL W/CNTR
A66-01862-002	A66-36856-002	MDL-BCA,XMC BL W/CNTR
A66-01862-003	A66-36856-066	MDL-BCA,NG XMC BL W/CNTR
A66-01882-010	A66-36856-004	MDL-BCA,HL NO/CB W/CNTR

Old Part Number	New Part Number	Description
A66-01882-011	A66-36856-068	MDL-BCA,NG HL NO/CB W/CNTR
A66-01882-012	A66-36856-005	MDL-BCA,HL 150/CB W/CNTR
A66-01882-013	A66-36856-006	MDL-BCA,HL 90/CB W/CNTR
A66-01882-014	A66-36856-069	MDL-BCA,HL NG 150/CB W/CNTR
A66-01882-015	A66-36856-070	MDL-BCA,HL NG 90/CB W/CNTR
A66-10291-005	A66-36856-010	MDL,BCA,APS3 HL NO CB W/CNTR
A66-10291-006	A66-36856-011	MDL,BCA,APS3 HL 150CB W/CNTR
A66-10291-007	A66-36856-012	MDL,BCA,APS3 HL 90CB W/CNTR
A66-10291-008	A66-36856-013	MDL,BCA,APS3 HL NO CB W/CNTR,END
A66-10291-009	A66-36856-014	MDL,BCA,APS3 HL 150CB W/CNTR,END
A66-10291-010	A66-36856-015	MDL,BCA,APS3 HL 90CB W/CNTR,END
A66-10510-001	A66-36856-022	MDL,BCA,APS3 BL W/CNTR
A66-10510-002	A66-36856-023	MDL,BCA,APS3 BL W/CNTR,END
A66-11729-005	A66-36856-026	MDL,BCA,APS3 XMC NO CB W/CNTR
A66-11729-006	A66-36856-027	MDL,BCA,APS3 XMC 150CB W/CNTR
A66-11729-007	A66-36856-028	MDL,BCA,APS3 XMC 90CB W/CNTR
A66-11729-008	A66-36856-029	MDL,BCA,APS3 XMC NO CB W/CNTR,END
A66-11729-009	A66-36856-030	MDL,BCA,APS3 XMC 150CB W/CNTR,END
A66-11729-010	A66-36856-031	MDL,BCA,APS3 XMC 90CB W/CNTR,END
A66-11731-001	A66-36856-038	MDL,BCA,APS3 XMC BL W/CNTR
A66-11731-002	A66-36856-039	MDL,BCA,APS3 XMC BL W/CNTR,END
A66-11733-010	A66-36856-042	MDL,BCA,XMC NO/CB W/CNTR
A66-11733-011	A66-36856-074	MDL,BCA,NG XMC NO/CB W/CNTR
A66-11733-012	A66-36856-043	MDL,BCA,XMC 150/CB W/CNTR
A66-11733-013	A66-36856-044	MDL,BCA,XMC 90/CB W/CNTR
A66-11733-014	A66-36856-075	MDL,BCA,XMC NG150/CB W/CNTR
A66-11733-015	A66-36856-076	MDL,BCA,XMC NG 90/CB W/CNTR
A66-18645-002	A66-36856-048	MDL-BCA,BL W/CNTR,ETN END
A66-18645-003	A66-36856-080	MDL-BCA,BL W/CNTR,ETN END,NG
A66-18647-002	A66-36856-050	MDL-BCA,XMC BL W/CNTR,ETN END
A66-18647-003	A66-36856-082	MDL-BCA,XMC BL W/CNTR,ETN END,NG
A66-18649-008	A66-36856-052	MDL-BCA,HL NO/CB W/CNTR,ETN END
A66-18649-009	A66-36856-053	MDL-BCA,HL 150/CB W/CNTR
A66-18649-010	A66-36856-054	MDL-BCA,HL 90/CB W/CNTR
A66-18649-011	A66-36856-084	MDL-BCA,HL NO/CB W/CNTR,ETN END,NG
A66-18649-012	A66-36856-085	MDL-BCA,HL 150/CB W/CNTR,NG
A66-18649-013	A66-36856-086	MDL-BCA,HL 90/CB W/CNTR,NG
A66-18651-008	A66-36856-058	MDL,BCA,XMC NO/CB W/CNTR,ETN END

Old Part Number	New Part Number	Description
A66-18651-009	A66-36856-059	MDL,BCA,XMC 150/CB W/CNTR
A66-18651-010	A66-36856-060	MDL,BCA,XMC 150/CB W/CNTR
A66-18651-011	A66-36856-090	MDL,BCA,XMC NO/CB W/CNTR,ETN END,NG
A66-18651-012	A66-36856-091	MDL,BCA,XMC 150/CB W/CNTR,NG
A66-18651-013	A66-36856-092	MDL,BCA,XMC 150/CB W/CNTR,NG

Table 1, Part Required

Warranty

This is an informational bulletin only. The described condition is a product improvement and is not warrantable.

Note:

REPLACE

W15,W12,W16,W14,W17

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