

FLA COE
FLB COE
FLD Conventional
Business Class

FLC 112 Conventional
Century Class Conventional
Argosy COE
Cargo

Columbia
Coronado
Business Class M2
> Cascadia

**Freightliner
Service Bulletin**

Description of Revisions: *This bulletin replaces the version dated July 2010. [Table 1](#) and [Table 2](#) are revised to clarify information about SAM Cab and MSF part numbers.*

General Information

In April 2010, 23 pre-series Cascadia vehicles were built with an updated electrical system. Another pre-series for approximately the same number of vehicles was released in June 2010. Full production of these updates will go into effect in August 2010.

This bulletin describes the following for these pre-series vehicles:

- Electrical system updates
- Part replacement guidelines
- Limitations in ServiceLink
- List of pre-series vehicle serial numbers

Cascadia 2010.5 Electrical System Update

This electrical system update includes new MSF software, and new SAM Cab and SAM Chassis hardware and software. In some places, like part drawings for example, the SAM updates may also be referred to as SAM 6.0.

The SAM 6.0 update includes the following enhancements:

- Updated Progressive Low Voltage Disconnect (PLVD) system with new bi-stable relays on the SAM Cab for PLVD.
- Additional fault codes and improved fault code detection.
- SAM Cab fuse F14 is changed to 3-position; the fuse can be positioned to provide PLVD or battery power for Fleet Management and CB Radio pins.
- Added capability for fender mirror heat, supplemental receptacle at end of frame, and fog light activation with turn signal.
- Change to the sleeper footwell and mid-dome lamp functionality.

New MSF software supports the following new switches:

- Mid-dome lamp, dash
- Mid-dome lamp, bunk
- Sleeper footwell lamp

Part Replacement Guidelines

SAM Cab or SAM Chassis Replacement

IMPORTANT: The updated SAM Cab and SAM Chassis hardware is not backward-compatible with existing 5.x hardware; for a definition of 5.x part numbers, refer to **Service Bulletin 54-231, *Replacing SAM Cab and SAM Chassis Hardware Assemblies***.

Updated SAM parts are not expected to be available in PDCs until full production has started (August 2010). See [Table 1](#). If a SAM Cab or SAM Chassis replacement is required on any of these pre-series vehicles, contact the Customer Assistance Center at 503-745-7769 for technical assistance.

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SAM Installed with Cascadia 2010.5 Update (SAM 6.0)		
Description	Part Number	Replacement Part Number
SAM Cab, Baseline	A06-75980-000	Use the same part number for replacement.
SAM Cab, Highline	A06-75981-000	
SAM Chassis, Baseline	A06-75982-000	
SAM Chassis, Midline	A06-75983-000	
SAM Chassis, Highline	A06-75984-000	

Table 1, SAM Installed with Cascadia 2010.5 Update (SAM 6.0)

SAM Cab Bi-Stable Relay Replacement

Part number 06-71082-000 is available in PDCs beginning in August.

MSF Replacement

See [Table 2](#) for MSF replacement part numbers. April pre-series vehicles are built with A06-60972-007, and June pre-series vehicles are built with A06-60972-008.

MSF Replacement Part Numbers		
Description	Part Number	Replacement Part Number
MSF, Cascadia	A06-60972-004	A06-60972-006 or -008
MSF, update Cascadia 5.4	A06-60972-006	A06-60972-006 or -008
MSF, update Cascadia 2010.5, April pre-series*	A06-60972-007	A06-60972-006 or -008
MSF, update Cascadia 2010.5, June pre-series*	A06-60972-008	A06-60972-006 or -008

* If available at the PDCs at the time of service, part A06-60972-008 will be used as the MSF replacement part on these pre-series trucks. If part A06-60972-008 is not available in PDCs at the time of service, A06-60972-006 can be used as the MSF replacement part on these pre-series trucks but it must be flashed to the latest available software version upon installation.

Table 2, MSF Replacement Part Numbers

Limitations in ServiceLink

A new version of ServiceLink (4.60) is planned for August 2010 to support the new electrical system. Until then, the following limitations will be in effect:

- Some Datalink Monitor templates may experience reduced capability, or not work at all with the new SAMs. Updated templates will become available shortly after the release of ServiceLink 4.60.
- ECU compatibility checking (making sure truck has compatible set of CAN ECUs) may allow incompatible ECUs to coexist on the truck without notifying the user.

If one of these pre-series vehicles comes in for service and needs support for diagnostic issues, contact the Customer Assistance Center at 503-745-7769 for technical assistance.

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List of Pre-Series Vehicle Serial Numbers

For pre-series vehicle serial numbers, see [Table 3](#) for vehicles built in April and [Table 4](#) for vehicles built in June.

Vehicles Built in April, 2010	
Serial Number	Customer
AW3548	COMANIX INC
AW7833	AIRGAS
AW7908	STOCK TROIS
AW7988	STOCK WINNIP
AW8120	STOCK POINTE
AW8282	STOCK SIOUX
AW8512	FIRST FLEET
AW8513	FIRST FLEET
AW8514	FIRST FLEET
AW8677	MYERS TRANSP
AW8680	A C TRUCKING
AW8731	CORP SHOW TR
AW8974	STOCK FRESNO
AW8975	STOCK BAKERS
AW9083	STOCK HICKOR
AW9094	STOCK GREENS
AW9113	STOCK LEXING
AW9114	STOCK LEXING
AW9115	STOCK KANSAS
AW9214	TRIMAC TRANS
AW9453	STOCK COBURG
ZZ1895	PVE FVTEST
ZZ1900	PVE FVTEST

Table 3, Vehicles Built in April, 2010

Vehicles Built in June, 2010	
Serial Number	Customer
AW4705	PUBLIX SUPER
AW7019	PENSKE TRUCK
AW7020	PENSKE TRUCK
X61226	L T I TRUCKI
X61227	L T I TRUCKI
AX5775	PENSKE TRUCK
AX5776	PENSKE TRUCK
AX5929	W D S ENTERP
AX5930	W D S ENTERP
AX6273	ESCOBAR CAES
AX6274	ESCOBAR CAES

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Vehicles Built in June, 2010	
Serial Number	Customer
AX6275	ESCOBAR CAES
AX8484	STANDARD IRO
AX8568	POLE STAR TR
AX8569	POLE STAR TR
AX8778	CENTRAL TRUC
AX8779	CENTRAL TRUC
AX8780	CENTRAL TRUC
AX8781	CENTRAL TRUC
AX8782	CENTRAL TRUC
AX8811	GARDEWINE GR
AX9424	RAM TRUCKING
AX9425	RAM TRUCKING
AX9528	ROBERTS FL
AX9529	ROBERTS FL
AX9747	STOCK DUBUQU
AX9748	STOCK DUBUQU
AX9929	FEESER J F

Table 4, Vehicles Built in June, 2010**Warranty**

This is an informational bulletin only; warranty does not apply.