

Replacing SAM Cab and SAM Chassis Hardware Assemblies

54-231

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 Revision: *This bulletin replaces the version dated December 2009. The bulletin is revised to include SAM versions 6.0 and 6.2.*

General Information

When replacing a SAM Cab or SAM Chassis, the replacement part number must be compatible with the existing part number and the other cabin CAN ECUs on the vehicle. Use the applicable table in this bulletin to determine compatibility. When a SAM is replaced with an identical part number SAM, use ServiceLink to flash the correct parameters into the new SAM. When a SAM is upgraded, use the instructions in **Service Bulletin 54-239 Cascadia Cabin CAN ECU Compatibility** to reprogram the replacement hardware.

NOTE:

- An assembly "dash number" is the last three digits in the part number (e.g., A06-00000-XXX). The dash number for a SAM assembly gets increased when a software update is made. When a major hardware update is made, the base number (middle 5 digits) is changed.
- When SAM assemblies with the -012 dash number are no longer available, the replacement part is SAM version 6.2. The compatible assembly part numbers are shown in the tables below.
- Two fuse values have been changed on the assemblies with the -007 (and higher) dash number: the values of F24 and F25 have been switched; F25 is now 10 amps, and F24 is 7.5 amps. When transferring fuses from a -005 SAM, be sure to use these size fuses for F24 and F25.
- A vehicle with SAM baseline can be upgraded to a midline or highline. A downgrade to a midline or baseline can never be made, even if the vehicle originally had a baseline.
- A vehicle that is upgraded to a SAM 6.2 can never be downgraded back to a SAM 5.4 or 6.0. Even if the vehicle was originally made with 5.4 or 6.0. Once ServiceLink is used to flash the replacement SAM with 6.2 software, the change to the vehicle is permanent.

Parts

SAMs with Software Version 5.0		
Description	Part Number	Can Be Replaced By
SAM Cab, Baseline	A06-60968-005	A06-60968-005 or -007 or -010 or -012, or A06-60969-012
SAM Cab, Highline	A06-60969-005	A06-60969-005 or -007 or -010 or -012
SAM Chassis, Baseline	A06-60970-005	A06-60970-005 or -007 or -012
SAM Chassis, Midline	A06-65601-005	A06-65601-005 or -007 or -012
SAM Chassis, Highline	A06-60971-005	A06-60971-005 or -007 or -012

Table 1, SAMs with Software Version 5.0

SAMs with Software Version 5.2		
Description	Part Number	Can Be Replaced By
SAM Cab, Baseline	A06-60968-007	A06-60968-005 or -007 or -010 or -012, or A06-60969-012
SAM Cab, Highline	A06-60969-007	A06-60969-005 or -007 or -010 or -012
SAM Cab, Baseline	A06-60968-010	A06-60968-010 or -012, or A06-60969-012
SAM Cab, Highline	A06-60969-010	A06-60969-010 or -012

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SAMs with Software Version 5.2		
Description	Part Number	Can Be Replaced By
SAM Chassis, Baseline	A06-60970-007	A06-60970-005 or -007 or -012
SAM Chassis, Midline	A06-65601-007	A06-65601-005 or -007 or -012
SAM Chassis, Highline	A06-60971-007	A06-60971-005 or -007 or -012

Table 2, SAMs with Software Version 5.2

SAMs with Software Version 5.4			
Description	Part Number	Can Be Replaced By*	Can Be Upgraded To†
SAM Cab, Baseline	A06-60968-012	A06-60968-010 or -012, or A06-60969-012	A06-75980-002 or A06-75981-002
SAM Cab, Highline	A06-60969-012	A06-60969-010 or -012	A06-75981-002
SAM Chassis, Baseline	A06-60970-012	A06-60970-005 or -007 or -012 or, A06-65601-012, or A06-65971-012	A06-75982-002 or A06-75983-002 or A06-75984-002
SAM Chassis, Midline	A06-65601-012	A06-65601-005 or -007 or -012, or A06-60971-012	A06-75983-002 or A06-75983-002
SAM Chassis, Highline	A06-60971-012	A06-60971-005 or -007 or -012	A06-75984-002

* The SAM that is replaced needs to have the parameters flashed. If the replacement is an increase to midline or highline the software must be flashed to update the host information and to permanently migrate the vehicle and parameters to the replacement version.

† The SAM that is upgraded needs to be flashed with the latest available software to update the host information and to permanently migrate the vehicle and parameters to the 6.2 upgrade version.

Table 3, SAMs with Software Version 5.4

SAMs With Software Version 6.0			
Description	Part Number	Can Be Replaced By*	Can Be Upgraded To†
SAM Cab, Baseline	A06-75980-000	A06-75980-000 or A06-75981-000	A06-75980-002 or A06-75981-002
SAM Cab, Highline	A06-75981-000	A06-60969-010 or -012	A06-75981-002
SAM Chassis, Baseline	A06-75982-000	A06-60970-005 or -007 or -012 or, A06-65601-012, or A06-65971-012	A06-75982-002 or A06-75983-002 or A06-75984-002
SAM Chassis, Midline	A06-75983-000	A06-75983-000 or A06-75984-000	A06-75983-002 or A06-75984-002
SAM Chassis, Highline	A06-75984-000	A06-75984-000	A06-75984-002

* The SAM that is replaced needs to have the parameters flashed. If the replacement is an increase to midline or highline the software must be flashed to update the host information and to permanently migrate the vehicle and parameters to the upgrade version.

† Both SAMs must be version 6.2. If replacing a 6.0 with a 6.2, both SAMs must be flashed to 6.2 to update the host information and to permanently migrate the vehicle and parameters to the upgrade version.

Table 4, SAMs With Software Version 6.0

SAMs With Software Version 6.2			
Description	Part Number	Can Be Replaced By*	Can Be Upgraded To†
SAM Cab, Baseline	A06-75980-002	A06-75980-002	A06-75981-002
SAM Cab, Highline	A06-75981-002	A06-75981-002	—
SAM Chassis, Baseline	A06-75982-002	A06-75982-002	A06-75983-002 or A06-75984-002
SAM Chassis, Midline	A06-75983-002	A06-75983-002	A06-75984-002

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SAMs With Software Version 6.2			
Description	Part Number	Can Be Replaced By*	Can Be Upgraded To†
SAM Chassis, Highline	A06-75984-002	A06-75984-002	—

* The SAM that is replaced needs to have the parameters flashed.

† The SAM that is upgraded needs to be flashed with the latest available software to update the host information and to permanently migrate the vehicle and parameters to the upgrade version.

Table 5, SAMs With Software Version 6.2

Warranty

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