



Ground Vehicle Standard for Ambulances

V2.0

Established and Maintained by CAAS

The Commission on Accreditation of Ambulance Services

www.groundvehiclestandard.org

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Mark Van Arnam, Administrator

Commission on Accreditation of Ambulance Services
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[Home](#)

[Ground Vehicle Standard](#) ▾

[About GVS](#) ▾

[Standards Comparison](#)

[About CAAS](#)

[Contact GVS](#)

[Events](#)

[Home](#) » [Registered FSAMs](#)

Registered FSAMs

The following Final Stage Ambulance Manufacturers (FSAM) companies have registered with CAAS with the intention of producing CAAS GVS certified vehicles.

Listed in alphabetical order:

[American Emergency Vehicles](#)

[Braun Industries](#)

[Braun Northwest Inc](#)

[Crestline Coach LTD](#)

[Custom Truck & Body Works](#)

[Demers, Ambulance Manufacturer Inc](#)

[Excellance, Inc.](#)

[Frazer, Ltd.](#)

[Horton Emergency Vehicles](#)

[Leader Industries](#)

[Life Line Emergency Vehicles](#)

[Medix Specialty Vehicles, Inc.](#)

[NAFFCO FZCO](#)

[Osage Industries, Inc](#)

[REV Ambulance Group](#)

[TMA Operations](#)

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STATES WITH RECENT AMBULANCE STANDARD REGULATORY CHANGES

As of January 2019

Vehicles must meet either CAAS GVS, NFPA 1917 and/or KKK-
(may vary by state):

1. Alabama
2. Iowa
3. Michigan
4. Missouri
5. Oregon
6. South Carolina
7. Texas
8. Vermont
9. West Virginia

Vehicles must meet CAAS GVS or NFPA:

10. North Carolina

Vehicles must meet CAAS GVS only:

11. Kentucky

Numerous other states have regulatory changes in process for 2019/2020

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CAAS GVS V2.0

- V2.0 (July/2019-2022) currently open for Public Comment period #2.
- Includes changes and updates to new vehicle standard
- Includes Remount standard and label package program
- Public Comment period #2 closes June 10.
- Effective date of GVS V2.0 is July 1, 2019



Remount - Critical Considerations

- NHTSA regulations state that “when a new cab is used in the assembly of a truck, the truck will be considered newly manufactured”.
- Remounters are considered new vehicle manufacturers by Federal law and must meet same criteria as all vehicle manufacturers.
- Full compliance with all current FMVSS regulations is required, some of which relate to patient compartment (ex: door hardware, seats/belts).
- Completed vehicle must have Final Stage FMVSS Compliance Certification by manufacturer (Remounter).
- FMVSS requirements are relative to date of chassis, not date of patient module.
- **Original Federal K spec Star-of-Life ambulance certification is NOT TRANSFERABLE to a remounted ambulance.**



GVS Remount Standard Criteria

- Establishes specific Remounter credentials and requirements.
- Requirements for product and general liability coverage, as well as warranty provisions.
- Full compliance with FMVSS and OEM chassis requirements.
- Determination of viability and feasibility of proposed remount.
- Documentation of production process and controls.
- Consideration for applicable NIOSH/SAE safety equipment.
- Engineering analysis requirements for major modifications.
- Weight, balance and minimum payload analysis and documentation.
- Requires performance and documentation of 15 AMD Standardized Test Methods for each vehicle.
- Documentation and record keeping criteria is established.

GVS Remounter registration opens May 2019

- FSAMs
- Independent Remounters
- Internal Remounters



CAAS GVS - REMOUNTER REGISTRATION

Remounter:

Address:

City: State: Zip:

Website:

Phone:

NHTSA Registration: Yes No

The following remounter employees are authorized to act on behalf of our company in transactions with CAAS GVS:

Authorized representative #1 name and title:

Authorized representative #1 email:

Authorized representative #2 name and title:

Authorized representative #2 email:

By completing this registration, remounter attests that they will comply with all requirements for GVS remount standard vehicles they produce as compliant. Details for compliance are fully outlined in CAAS GVS Remount Standard.

I acknowledge that CAAS GVS provides no recommendation or validation of any ambulance remounter or their compliance, and cannot be held responsible for any discrepancy, misunderstanding or misrepresentation by our company.

I further authorize CAAS GVS to use our company name and logo for purposes of including us in any future listing of CAAS GVS registered remounters.

After completing the form above, please print and physically sign before mailing to the address below.

Signed by Officer of the company:

Printed Name & Title:

Date:

SEND TO:

CAAS GVS • 1926 Waukegan Road, Suite 300, Glenview, Illinois 60025-1770
Phone: 847.657.6828 • Fax: 847.657.6825 • info@groundvehiclestandard.org



CAAS GVS V2.0 REMOUNT STANDARD COMPLIANT



Remounted by:

Address:

City/State/Zip:

Chassis Year/Make/Model:

VIN:

Vehicle Type and FSAM ID#:

Date of Remount:

TOTAL USABLE PAYLOAD:

*Vehicle Fully Compliant with GVS Remount STD (Y/N):

** Any vehicle noted above as not fully compliant to standard requires Remounter to list all exceptions on **Compliance Verification document**.*

A1234567890

NOTICE: Users shall not exceed the CHASSIS GVWR, GAWR or the TOTAL USABLE PAYLOAD.

THIS AMBULANCE CONFORMS TO CAAS GVS V2.0 REMOUNT STANDARD AS NOTED ABOVE

- Label and attached verification documents confirm that vehicle has been remounted in compliance with the CAAS GVS Remount Standard.
- They do not provide certification or recertification of ambulance to GVS, KKK or NFPA new ambulance standards.



APPENDIX 2 - FIGURE 1



REMOUNTED VEHICLE COMPLIANCE AND EXCEPTION/VARIANCE VERIFICATION

This completed form shall be included in the handbook of instructions.

Remounted by:

Address:

City: State: Zip:

Chassis Year/Make/Model:

VIN:

Vehicle Type and FSAM ID#:

Date of Original Manufacture:

Date of Remount:

TOTAL USABLE PAYLOAD:

*Vehicle Fully Compliant with GVS Remount STD (Y/N):

THE REMOUNTER OF THIS AMBULANCE VERIFIES THAT THIS VEHICLE HAS BEEN REMOUNTED IN COMPLIANCE WITH THE CAAS GVS V2.0 REMOUNT STANDARD.

***ANY VEHICLE NOT NOTED AS FULLY COMPLIANT SHALL HAVE ALL EXCEPTIONS/VARIANCES TO THE GVS V2.0 REMOUNT STANDARD LISTED BELOW:**

Exception #1:

Exception #2:

Exception #3:

Exception #4:

Use additional sheet if required

Authorized Remounter Representative: Date:

APPENDIX 2 - FIGURE 2



REMOUNTED VEHICLE PAYLOAD CALCULATION & VERIFICATION
VEHICLE TOTAL USABLE PAYLOAD INFORMATION

This completed form shall be included in the handbook of instructions.

Remounted by:

Address:

City: State: Zip:

Chassis Year/Make/Model:

VIN:

Vehicle Type and FSAM ID#:

Date of Remount:

1. OEM CHASSIS GAWR – Front: lbs.
2. OEM CHASSIS GAWR – Rear: lbs.
3. OEM CHASSIS GVWR: lbs.
4. CURB WEIGHT – AS BUILT – Front Axle: lbs.
5. CURB WEIGHT – AS BUILT – Rear Axle: lbs.
6. TOTAL CURB WEIGHT – AS BUILT: lbs.
7. VEHICLE USEABLE FRONT AXLE PAYLOAD – AS BUILT
Item 1 minus Item 4: lbs.
8. CUSTOMER USEABLE TOTAL PAYLOAD – AS BUILT
Item 3 minus Item 6: lbs.

THE REMOUNTER OF THIS AMBULANCE VERIFIES THAT THIS VEHICLE HAS BEEN REMOUNTED IN COMPLIANCE WITH THE CAAS GVS V2.0 REMOUNT STANDARD, AND THAT THE COMBINATION OF THE VEHICLE'S CURB WEIGHT AND TOTAL USABLE PAYLOAD DO NOT EXCEED THE CHASSIS GVWR.

Authorized Remounter Representative: Date:





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