

BOLLINGER MOTORS

Incomplete Vehicle Document Applicable to the Bollinger B4

Bollinger Motors, Inc., 14925 W 11 Mile Rd.
Oak Park, MI 48237

DO NOT REMOVE

THIS DOCUMENT MUST REMAIN WITH THIS VEHICLE UNTIL IT IS CERTIFIED AS A COMPLETED VEHICLE.

PLACE LABEL HERE

The Label affixed here includes the following information:

- The name of the incomplete vehicle manufacturer.
- The month and year the incomplete vehicle manufacturer performed its last manufacturing operation on the incomplete vehicle.
- The vehicle identification number (VIN).
- The Gross Vehicle Weight Rating (GVWR) expressed in kg (lb), intended for the vehicle when it is a completed vehicle.
- The Gross Axle Weight Rating (GAWR) expressed in kg (lb), intended for each axle of the vehicle when it is a completed vehicle, listed in order from front to rear.
- Tire size, rim size, cold tire pressure.

This document is furnished as required by the United States (U.S.) Federal Motor Vehicle Safety Regulations (FMVSR) to aid intermediate and final stage manufacturers in their determination of conformity of the completed vehicle with applicable U.S. Federal Motor Vehicle Safety Standards (FMVSS). Also included are instructions that must be followed to ensure that U.S. Environmental Protection Agency (EPA) and California Air Resources Board (CARB) emission certification requirements, U.S. National Highway Traffic Safety Administration (NHTSA) Fuel Economy Regulations, and U.S. EPA Greenhouse Gas Regulations are met.

This label attached to this document will indicate this vehicle was manufactured by Bollinger Motors, Inc. ("Bollinger"). All inquiries regarding the content of this document should be forwarded to Bollinger Motors, Inc. through the www.bollingermotors.com website.

This document is not a substitute for knowledge and understanding of the requirements of the Federal Motor Vehicle Safety Regulations (FMVSR); or U.S. Federal Motor Vehicle Safety Standards (FMVSS). Intermediate and final stage manufacturers should be familiar with the Regulations and Standards referred to above to be aware of their specific responsibilities as they relate to the final destination and sale of each incomplete vehicle.

Any intermediate or final stage manufacturer making material alterations to this incomplete vehicle during the process of manufacturing the complete vehicle should be constantly vigilant to recognize all effects, either direct or indirect, on other components, assemblies or systems caused by any alteration. No alteration should be made to the incomplete vehicle that directly or indirectly results in any component, assembly or system being in nonconformance with any applicable U.S. Federal Motor Vehicle Safety Standard or Emission Regulation or Fuel Economy/Greenhouse Gas Regulation.

The statements contained in this Incomplete Vehicle Document are accurate as of the date of manufacture of the incomplete vehicle and can be relied on by any intermediate and/or final stage manufacturer as a basis for certification.

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INTRODUCTION

This document contains information relative to conformance of this incomplete vehicle with the following:

Part I - U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS

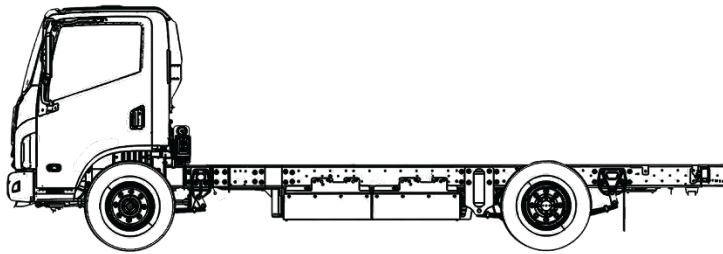
**Part II - U.S. ENVIRONMENTAL PROTECTION AGENCY, STATE OF CALIFORNIA, AND NHTSA
FUEL ECONOMY REQUIREMENTS, AND U.S. EPA GREENHOUSE GAS REGULATIONS**

If supplemental technical information is required to support this document, go to the Bollinger Motors, Inc. website at www.bollingermotors.com.

This document pertains to the following styles of truck:

MODEL
ELECTRIC
BOLLINGER B4

SINGLE CAB MODEL
4 X 2



**NOTE: This incomplete vehicle can be built into straight truck type vocational vehicles.
It cannot be built into a Truck Tractor.**

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PART I

U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS

This section contains a list of U.S. Federal Motor Vehicle Safety Standards (FMVSS), followed by a section entitled "Statements Regarding Federal Motor Vehicle Safety Standards (FMVSS)." An appropriate statement of applicability is made for each standard and by vehicle model as it relates to the incomplete vehicle.

The identifiers TYPE 1, TYPE 2 or TYPE 3 prefix statements (of applicability) regarding Federal Motor Vehicle Safety Standards (FMVSS). Examples of these statements follow:

TYPE 1 A statement that the vehicle when completed will conform to the standard if no alterations are made in identified components of the incomplete vehicle. **EXAMPLE:** This vehicle, when complete, will conform to FMVSS No. 104, Windshield Wiping and Washing Systems, if no alterations are made to the windshield wiper components.



TYPE 2 A statement of specific conditions of final manufacture under which the manufacturer specifies that the completed vehicle will conform to the standard. **EXAMPLE:** This vehicle when completed will conform to FMVSS 105, Hydraulic and Electric Brake Systems, if it does not exceed any of the gross axle weight ratings, if the center of gravity at GVWR is not higher than five feet above the ground, and if no alterations are made to any brake system component.

TYPE 3 A statement that conformity with the standard cannot be determined based upon the components supplied on the incomplete vehicle, and that the incomplete vehicle manufacturer makes no representation to conformity with the standard.

In accordance with the requirements of Federal Motor Vehicle Safety Regulations Part 568.4, the following information is included on the label affixed to the front cover of this document:

- The name and mailing address of the incomplete vehicle manufacturer;
- The month and year the incomplete vehicle manufacturer performed its last manufacturing operation on the incomplete vehicle;
- The vehicle identification number (VIN);
- The Gross Vehicle Weight Rating (GVWR) expressed in kg (lb), intended for the vehicle when it is a completed vehicle;
- The Gross Axle Weight Rating (GAWR) expressed in kg (lb), intended for each axle of the vehicle when it is a completed vehicle, listed in order from front to rear.

Example Certification Label Image

		INCOMPLETE VEHICLE MFD. BY BOLLINGER MOTORS, INC.			
GVWR: 7029 KG (15500 LB)		DATE: MM/YYYY			
FRONT GAWR:		REAR GAWR:			
2948 KG (6500 LB)		WITH 4762 KG (10500 LB)		WITH	
225/70R 19.5		TIRES 225/70R 19.5		TIRES	
19.5X6.75		RIMS 19.5X6.75		RIMS	
AT 586 kPa 95 PSI COLD		AT 586 kPa 95 PSI COLD		DUAL	
TYPE: TRU/CAM		VIN: 7WE45CN56SL000001		00099059 A.1	

In addition, the final stage manufacturer is responsible under Federal Motor Vehicle Safety Regulations and Part 567.5 to place the GVWR and the GAWR of each axle on the Final Vehicle Certification Label. Required on the label is the "Gross Vehicle Weight Rating" or "GVWR" followed by the appropriate value in kilograms and (pounds), which shall not be less than the sum of the unloaded vehicle weight, rated cargo load, and 68 kg (150 lb.) times the number of the vehicle's designated seating positions, if known.

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“Unloaded Vehicle Weight” means the weight of a vehicle with maximum capacity of all fluids necessary for operation of the vehicle, but without cargo or occupants or accessories that are ordinarily removed from the vehicle when they are not in use.

During the completion of this vehicle, GVWR and GAWR may be affected in various ways, including but not limited to the following:

- The installation of a body or equipment that exceeds the rated capacities of the incomplete vehicle.
- The addition of designated seating positions that exceed the rated capacities of the incomplete vehicle.
- Alterations or substitution of any components such as axles, springs, tires, wheels, frames, steering, and brake systems that may affect the rated capacities of the incomplete vehicle.

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Applicable Safety Standards

LIST OF FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS) APPLICABLE TO BATTERY ELECTRIC TRUCKS WITH A GVWR OF GREATER THAN 4,536 kg (10,000 lb)

FMVSS	TITLE	B4
101	Controls and displays	1
102	Transmission shift position sequence, starter interlock, and transmission braking effect	1
103	Windshield defrosting and defogging systems	1
104	Windshield wiping and washing systems	1
105	Hydraulic and electric brake systems	2
106	Brake hoses	1
108	Lamps, reflective devices, and associated equipment	1
111	Rear visibility	1
116	Motor vehicle brake fluids	1
119	New pneumatic tires for motor vehicles with a GVWR of more than 4,536 kilograms (10,000 pounds), specialty tires, and tires for motorcycles	1
120	Tire selection and rims and motor home/recreation vehicle trailer load carrying capacity information for motor vehicles with a GVWR of more than 4,536 kilograms (10,000 pounds)	2
124	Accelerator control systems	1
205	Glazing materials	1
206	Door locks and door retention components	1
207	Seating systems	1
208	Occupant crash protection	1
209	Seat belt assemblies	1
210	Seat belt assembly anchorages	1
302	Flammability of interior materials	1
Part 205*	Noise Emissions	3
Part 565**	Vehicle Identification Number (VIN) Requirements	1
Part 567**	Certification Labeling and Documentation Requirements	2

TYPE 1, 2 or 3 numbers to the right-hand side of the table above designate the appropriate paragraph in the FMVSS standards that follow.

*CFR Title 40 Protection of Environment Part 205 Subpart B - Medium and Heavy Trucks

**CFR Title 49 Transportation Part 565, Part 567

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Statements Regarding U.S. Federal Motor Vehicle Safety Standards (FMVSS)

FMVSS 101 – Controls and Displays

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 101 providing no alterations are made which affect the size, location, identification, or illumination of the controls and displays identified or the location, travel, or type of driver's seat. If the driver's seat is installed by the intermediate or final stage manufacturer, the "H" point must be located as shown in the Bollinger "B4 Upfitter Guide" and visibility and operation of the controls and displays listed below must meet the requirements of this standard.

The following controls must be operable, and the following displays for the following functions and malfunctions shall be fitted in such a manner that they are identifiable, by the driver while the driver is seated in the driver's designated seating position with the driver's seat belt fastened around the driver in accordance with the manufacturer's instructions:

Hand operated controls (if equipped):

Automatic vehicle speed (cruise control)	Identification lamps (switch)
Clearance lamps (switch)	Ignition (switch)
Driver's Sunvisor	Illumination intensity control
Engine Start	Master lighting switch
Engine Stop	Position, side marker, end-outline marker, identification, or clearance lamps
Hazard warning signal	Steering wheel
Hazard warning switch	Turn signal
Headlamp high or low beam switch	Windshield defogging and defrosting systems
Headlamps	Windshield washer (washing system)
Heating and air conditioning fan	Windshield wiper (wiping system)
Heating and air conditioning system	Windshield wiper (wiping system)
Horn control	Windshield wiper (wiping system)
Park brake handle	

Foot operated controls (if equipped):

Accelerator	Service brake (pedal)
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Displays (if equipped):

Air brake low pressure	Low brake fluid condition
Antilock brake system malfunction	Odometer
Battery charging condition	Parking brake applied
Brake lining wear-out condition	Seat belt (unfastened telltale)
Brake system malfunction	Speedometer
Brake failure warning	Transmission control position
Electrical charge indicator	Turn signal(s)
Gross loss of brake pressure condition	Variable brake proportioning system malfunction
Hazard warning signal	Multi information display (MID)
Gear position	High voltage battery charging condition
Headlamp high beam	
Low brake air pressure telltale	

If the intermediate or final stage manufacturer installs any of the above controls and displays, those controls and displays will also have to meet the requirements of this standard.

Final compliance with FMVSS 101 is the responsibility of the final stage manufacturer for any modifications, or added material, components, or system.

FMVSS 102 – TRANSMISSION SHIFT LEVER SEQUENCE, STARTER INTERLOCK AND TRANSMISSION BRAKING EFFECT **Applies to all models of incomplete vehicles contained in this document**

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 102 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below (if equipped):

Shift selector control and identification system, including but not limited to:

Shift sequence and control logic (electrical or mechanical)	Brake – Shift position interlock controls
Shift control from floor shift mechanism	Ignition interlock controls
Shift selector floor shift mechanism	Vehicle & Chassis wiring harnesses
Shift position indicator dial	Shift position indicator (pointer)
	Shift position pattern (display, knob, plate, or label)

Final compliance with FMVSS 102 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

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FMVSS 103 – WINDSHIELD DEFROSTING AND DEFOGGING SYSTEMS **Applies to all models of incomplete vehicles contained in this document**

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 103 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies or systems including but not limited to those listed below (if equipped):

Windshield defrosting and defogging systems, including but not limited to:

Chassis and instrument panel wiring harness assembly	Heater & defroster assembly – including motor & blower
Defroster air distributor assembly (manifold)	Heater & defroster control (mechanical)
Defroster air duct assembly	Heater blower motor resistor assembly (blower speed control)
Defroster air hoses – manifold to nozzle	Windshield assembly
Defroster air to windshield outlet assembly (nozzle)	
Defroster outlet to heater assembly adapter	

Final compliance with FMVSS 103 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

FMVSS 104 – WINDSHIELD WIPING AND WASHER SYSTEMS **Applies to all models of incomplete vehicles contained in this document**

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 104 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below (if equipped):

Windshield wiping and washing systems, including but not limited to:

Chassis wiring harness	Windshield wiper and washer control
Washer reservoir cap	Windshield wiper and washer motor and pump assembly
Water reservoir filler assembly	Windshield washer fluid reservoir
Windshield assembly	Windshield washer system hoses
Windshield wiper arm assembly	Windshield washer nozzle
Windshield wiper blade assembly	
Windshield wiper linkage assembly	

Final compliance with FMVSS 104 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

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FMVSS 105 – HYDRAULIC BRAKE SYSTEMS

Applies to all models of incomplete vehicles contained in this document

TYPE 2 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, if equipped with hydraulic brakes, when completed, will conform to FMVSS 105 providing no alterations are made which affect the function, physical or mechanical properties, environment, location or vital spatial clearances of the components, assemblies or systems identified below. In addition, the maximum combined truck and payload vertical center of gravity specified below must be located between the front and rear axles and must not be exceeded at maximum GVWR and rated front and rear GAWR.

Application	Maximum Center of Gravity millimeters (inches) above ground
Class 4	Please Reference the Bollinger "B4 Upfitter Guide"

Hydraulic Brake Systems, including but not limited to (if equipped):

- Hydraulic brake lines, fittings and routings including gauges, warning devices and warning statements
- Hydraulic brake valves and components
- Hydraulic brake reservoir
- Service and/or parking brake assemblies and components
(Power boosters, master cylinder, ABS module, calipers, wheel cylinders, pads, rotors, etc.)
- Tires
- Wheelbases
- Brake pedal, brake light switch, parking brake hand lever and switch, and related mechanical Components
- Electronic parking brake puller
- Brake and ABS warning light
- Vacuum pumps, tank, pipes and hoses (including warning devices and statements)
- Master cylinder reservoir warning statement
- Hydraulic booster pump, pipes, hoses, and reservoir (including warning devices)

Final compliance with FMVSS 105 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

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FMVSS 106 – BRAKE HOSES

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 106 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems including but not limited to those listed below (if equipped):

Hydraulic, Air, and Vacuum Brake Hoses
Hoses and hose end fittings
Labeling requirements

Brake Hose Assemblies – and Brake Hose
End Fittings

Final compliance with FMVSS 106 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

FMVSS 108 – LAMPS, REFLECTIVE DEVICES AND ASSOCIATED EQUIPMENT

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 108 providing it is completed in accordance with the following specific conditions by the final stage manufacturer:

1. Each of these devices must be properly installed on the completed vehicle and meet all the requirements of FMVSS 108:

- a. The following devices, when provided, located, or wired by the incomplete vehicle manufacturer meet the requirements of this standard:

Headlamps or Daytime running lamps	Turn signal lamps (front)
Cab roof clearance and ID lamps (front)	Turn signal operating unit
Side marker lamp (front)	Vehicle hazard warning signal operating unit
Side reflex reflectors (front)	Vehicle hazard warning signal flasher
Turn signal flasher	

- b. The following lamps and reflective devices are not mounted on this incomplete vehicle and will be required to be installed by the intermediate or final stage manufacturers to ensure FMVSS 108 compliance. Intermediate and final stage manufacturers must refer to the Bollinger "B4 Upfitter Guide" and ensure conformance with the location, visibility, and operational requirements of FMVSS 108:

License plate lamp
Rear combination lamps (tail lamps, stop lamps, turn signal lamps, and back-up lamps)
Reflex reflectors (rear)

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- c. No part of the completed vehicle shall be installed to prevent any of the devices listed in (a) or (b) above from meeting their required photometric output at the specified test points. If such interference exists, the applicable devices may have to be relocated or additional devices added to meet the requirements of FMVSS 108:

Any FMVSS 108 part shall not be modified or impeded.

- d. The following devices are not installed on this incomplete vehicle or supplied by the incomplete vehicle manufacturer and must be added by intermediate or final stage manufacturers to meet the requirements of FMVSS 108:

Clearance lamps (rear)
Identification lamps (rear)
Side reflex reflectors (rear)
Side marker lamps (rear)
Daytime Running lamps (front/rear)
Rear combination lamps (tail lamps, stop lamps, turn signal lamps, and back-up lamps)
License plate lamp
Reflex reflectors (rear)

- e. The following additional devices must be installed on the van body and meet all requirements of this standard if the overall vehicle length is 9.1 m (30 feet) or greater.

Intermediate side marker lamps
Intermediate side reflex reflectors

2. No alterations, other than the relocation of any items in (2)(b) above, that may be necessary for conformance to FMVSS 108 should be made that affect the location, mounting surfaces, function, environment, or visibility clearance of the above-listed devices that have been installed on this incomplete vehicle.

Final compliance with FMVSS 108 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

FMVSS 111 – REARVIEW MIRRORS

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 111 providing no alterations or substitutions are made to the outside rearview mirrors, the driver's seat location is not altered, and the body is installed symmetrical about the vehicle centerline. Body widths up to 102" are permissible with standard-provided 102" mirror hoops.

Final compliance with FMVSS 111 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

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FMVSS 116 – MOTOR VEHICLE BRAKE FLUIDS

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of Incomplete Vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when equipped with approved hydraulic brake fluid, will conform to FMVSS 116 providing no alterations are made which affect the physical or chemical properties of the brake fluid.

Final compliance with FMVSS 116 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

FMVSS 119 - NEW PNEUMATIC TIRES FOR MOTOR VEHICLES WITH A GVWR OF MORE THAN 4,536 KILOGRAMS (10,000 POUNDS)

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 119 providing no alternations are made which affect the function, physical, chemical, or mechanical properties, environment, location or vital spatial clearance of the components, assemblies or systems including but not limited to those listed below:

Tires

Wheels

Final compliance with FMVSS 119 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

FMVSS 120 – TIRE SELECTION AND RIMS FOR VEHICLES OTHER THAN PASSENGER CARS

Applies to all models of incomplete vehicles contained in this document

TYPE 2 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 120 provided:

- A. No alterations are made which affect the function, physical or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to:

Owner's Manual Instructions

Wheels

Tires

- B. GVWR or GAWR front and rear weight ratings, as listed on the incomplete vehicle label affixed to the front cover of this document, are not exceeded.

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- C. The tire and wheel information shown on the incomplete vehicle label must be transferred to the final stage manufacturer's Certification Label or Tire Information Label providing no equipment or tire pressure changes are made and the final stage manufacturer labels the vehicle in compliance with FMVSS120.

NOTE: incomplete vehicles referenced in this document may be shipped with reduced tire pressures for shipping purposes only. Tires must be inflated to specified pressure before delivery to customers or operated a public road.

Final compliance with FMVSS 120 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

FMVSS 124 – ACCELERATOR CONTROL SYSTEMS

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 124 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below (if equipped):

Accelerator/throttle control systems, including but not limited to:

- Accelerator pedal and attachments
- Accelerator lever and supporting bracket assembly
- Accelerator return spring(s)

Final compliance with FMVSS 124 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

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FMVSS 205 – GLAZING MATERIALS

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 205 provided no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below (if equipped):

Glazing material
Monogram

Visibility of the monogram
Driver's seat reference point

Final compliance with FMVSS 205 is the responsibility of the final stage manufacturer for any modifications, or added material, parts, components, or systems.

FMVSS 206 – DOOR LOCKS AND DOOR RETENTION COMPONENTS

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 206 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems including but not limited to those listed below (if equipped):

Door lock
Door latch
Door latch striker plate
Attachment hardware

Door hinge
Inside lock control linkage
Exterior door handles

Final compliance with FMVSS 206 is the responsibility of the final stage manufacturer for any modifications or added material, parts, components, or systems.

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FMVSS 207 – ANCHORAGE OF SEATS

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 207 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location or vital spatial clearances of the components, assemblies or systems including but not limited to those listed below (if equipped):

Seating systems, including but not limited to:

Floor pan assemblies	Seat assembly
Folding seat or seat back latch assembly	Seat or seat back latch assembly
Seat adjuster assembly	Seat or seat back latch release control
Seat anchorage brackets or reinforcements, attachment hardware, etc.	Seat or seat back latch striker
	Seat riser

Final compliance with FMVSS 207 is the responsibility of the final stage manufacturer for any modifications or added material, parts, components, or systems.

FMVSS 208 – OCCUPANT CRASH PROTECTION

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to the seat belt provision sections of FMVSS 208 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems installed by the incomplete vehicle manufacturer including but not limited to (if equipped):

Owner's Manual instructions	Location/configuration of designated seats
Seat anchorages	Seat belt assemblies
Seat assemblies	Seat belt warning system
Seat belt anchorages	

Final compliance with FMVSS 208 is the responsibility of the final stage manufacturer for any modifications or added material, parts, components, or systems.

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FMVSS 209 – SEAT BELT ASSEMBLIES

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of Incomplete Vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to the FMVSS 209 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location or vital spatial clearances of the components, assemblies or systems installed by the incomplete vehicle manufacturer including but not limited to:

Owner's Manual instructions	Location/configuration of designated seats
Seat anchorages	Seat belt assemblies
Seat assemblies	Seat belt warning system
Seat belt anchorages	Original attachment locations

Final compliance with FMVSS 209 is the responsibility of the final stage manufacturer for any modifications or added material, parts, components, or systems.

FMVSS 210 – SEAT BELT ASSEMBLY ANCHORAGES

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 210 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below:

Seat assemblies	Seat belt anchorage brackets, plates, and reinforcements
Seat belt assemblies	B-pillar structures
Floor pan assembly	Roof structure
Seat belt routing	Owner's Manual instructions
Seat position/adjustment capability	

Final compliance with FMVSS 210 is the responsibility of the final stage manufacturer for any modifications or added material, parts, components, or systems.

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FMVSS 302 – FLAMMABILITY OF INTERIOR MATERIALS

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 302 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below, and installed by the incomplete vehicle manufacturer (if equipped):

Arm rests	Seat assemblies
Compartment shelves	Seat backs
Console	Seat belts
Floor coverings	Seat cushions
Head restraints	Sun visors
Headlining	
Instrument panel	

NOTE: This list above includes any other interior materials, such as padding and crash deployed elements, that are designed to absorb energy on contact by occupants in the event of a crash.

Final compliance with FMVSS 302 is the responsibility of the final stage manufacturer for any modifications or added material, parts, components, or systems.

40 CFR Part 205 – EXTERIOR NOISE

Applies to all models of incomplete vehicles contained in this document

TYPE 3 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to 40 CFR Part 205 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems including but not limited to those listed below (if equipped):

Axles/halfshafts/propshaft	Powertrain control and logic
Electric drivetrain assembly	Powertrain cooling fan and motor assemblies
Exterior noise generating devices	Radiator/condenser assembly to body seals
Exterior rearview mirror assemblies	Tires (including correct tire pressure)
Front of dash sound deadening material	Transmission/Transaxle assembly
Cab tilt and lock mechanism	Underbody shields including air deflector
	Vacuum pumps

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Federal law prohibits the removal or rendering inoperative by any person, other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into such vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use. Federal Law also prohibits the use of such vehicle after such device or element of design has been removed or rendered inoperative by any person. Among those acts presumed to constitute tampering are the acts listed below:

Removal of fender apron absorbers, fender apron barriers, underbody noise shields, or acoustical absorptive material.

Removal of or rendering inoperative the engine speed governor so as to allow engine speed to exceed manufacturer's specifications.

New vehicles with a gross vehicle weight rating in excess of 4536 kg [10,000 lb.], with a partially or wholly enclosed operator's compartment and manufactured for use in the United States, as completed, must comply with U.S. Environmental Protection Agency exterior noise emission regulations for medium and heavy trucks (40 CFR Part 205, Subpart B) which establish a noise emission limit of 80 dB(A).

Final compliance with 40 CFR Part 205, Subpart B is the responsibility of the final stage manufacturer for any modifications, or added material, components, or system.

49 CFR PART 565 – VEHICLE IDENTIFICATION NUMBER

Applies to all models of incomplete vehicles contained in this document

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to 49 CFR Part 565 providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below (if equipped):

Vehicle Identification Number (VIN)

VIN label, plate, or scribe

Final compliance with 49 CFR Part 565 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

49 CFR PART 567 LABELING AND DOCUMENTATION REQUIREMENTS

Applies to all models of incomplete vehicles contained in this document

TYPE 2 The following statement is applicable to all models of incomplete vehicles contained in this document.

This incomplete vehicle, when completed in stages by an intermediate and final stage manufacturer, will comply with the requirements of 49 CFR Part 567 when the intermediate and final stage manufacturers provide additional labeling to meet these requirements.

Final compliance with 49 CFR Part 567 is the responsibility of the final stage manufacturer for any modifications or added material, components, or system.

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PART II

U.S. ENVIRONMENTAL PROTECTION AGENCY, STATE OF CALIFORNIA, AND NHTSA FUEL ECONOMY REQUIREMENTS, AND U.S. EPA GREENHOUSE GAS REGULATIONS

Incomplete vehicles come in three major classifications: (1) Light Duty Vehicles, Light Duty Trucks, and Heavy Duty Vehicles (including Medium Duty in California) are certified by the primary manufacturer and the vehicle is labeled as being in compliance with emission and fuel economy requirements; (2) Heavy Duty Vehicles are required to have an engine certified by the engine manufacturer and display an engine emissions label and, if a gasoline vehicle, display an evaporative emissions label; (3) Light Duty Vehicles are certified and labeled by the intermediate or final stage vehicle manufacturer as complying with emission and fuel economy requirements.

The incomplete vehicles contained in this document are classified as Heavy Duty Vehicles. The final stage manufacturer is responsible to not exceed the GVWR and GAWR listed on the incomplete vehicle certification label and to apply a Final Vehicle Certification Label. If any of these restrictions are exceeded, re-certification by the final stage manufacturer will be required.

Vehicles certified to Heavy Duty Zero Emissions Vehicle (ZEV) standards require additional evaporative emission labeling. In order to ensure that the Environmental Protection Agency (EPA), California Air Resources Board (CARB), Greenhouse Gas/Fuel Economy, or National Highway Traffic Safety Administration (NHTSA) regulations are met, this vehicle must be completed in strict accordance with all instructions contained in this document, and particularly the following instructions related to:

Emission Requirements
Labels

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Emission Requirements

TYPE 1 The following statement is applicable to all models of incomplete vehicles contained in this document (unless otherwise noted on the cover).

Emission-related installation instructions

This incomplete vehicle, when completed, conforms to U.S. EPA and California Exhaust & Evaporative Emission Requirements providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the components, assemblies, or systems, including but not limited to those listed below (if equipped) and installed by the incomplete vehicle manufacturer:

- AC System
- Axles
- Electric HV Powertrain Coolant Temperature Sensor
- Electric HV Powertrain Assembly
- Electric HV Powertrain Electronics (ECM/PCM/VCM)
- Electric HV Powertrain Speed Sensor
- Tires
- Owner's Manual Instructions

Any body builder, installer, or subsequent stage manufacturer must assure that all emission control hardware furnished with incomplete vehicles is on the vehicle and is operational and that applicable instructions for incorporating such hardware into the completed vehicle's electrical or mechanical systems are strictly followed.

Further, to avoid any question of certification coverage, approval of any modification or use of an engine or vehicle which may alter or render inoperative any of the emission control components must be obtained from the United States Environmental Protection Agency by the manufacturer making such modification or use prior to distribution, sale, offering for sale, introduction, or delivery for introduction of the subject vehicle into U.S. commerce. Additionally, the manufacturer making such modification or use must obtain approval from the California Air Resources Board if the new vehicle will be delivered for sale or use in the State of California.

All Federal certified heavy duty vehicles are required to meet Federal Green House Gas (GHG) requirements. Please check the Vehicle Emission Label located on the driver door b-pillar.

Original tires for compliance with GHG requirements are described in the Owner's Manual. Refer to the Owner's Manual for replacing of tires.

United States Environmental Protection Agency regulations do not contain unique emission certification requirements for trucks that will be sold or delivered to customers for principal use above 1,219 m [4,000 ft].

Per 40 CFR 1037.130 and MAC 2022-01

The certifying manufacturer must comply with the Phase 2 GHG A/C leakage requirements as specified in the Phase 2 GHG Procedures for the A/C systems it installs prior to selling or shipping the vehicle to a non-certifying secondary vehicle manufacturer.

The certifying vehicle manufacturer must provide instructions, via an Incomplete Vehicle Documentation (IVD) or similar written document, regarding compliance with the A/C leakage standard to the non-certifying secondary vehicle manufacturer, and a copy of the instructions shall be submitted to CARB as part of the certification application.

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The aforementioned instructions must include the following statements:

- The state of California limits the air conditioning refrigerant leak rate to 11.0 grams per year or 1.50 percent of the nominal refrigerant charge per year, whichever is greater, per 17 CCR § 95663.
- This vehicle, when completed, will meet the leakage standard in 17 CCR § 95663 if no alterations are made to the vehicle air conditioning system as delivered and no additional air conditioning components are added.
- If additional air conditioning components are added by a secondary vehicle manufacturer, or if the air conditioning system is otherwise modified by the secondary vehicle manufacturer, the final completed system must meet the leakage standard in 17 CCR 95663.

If the non-certifying secondary vehicle manufacturer adds additional air conditioning components to, or otherwise modifies, the air conditioning system installed by the certifying vehicle manufacturer, the non-certifying secondary vehicle manufacturer must follow the certifying vehicle manufacturer's instructions regarding compliance with the A/C leakage standard and must keep documentation demonstrating that the final completed vehicle meets the A/C leakage standard. Such documentation must be compliant with the CARB A/C leakage requirements (section 86.1819-14 or section 1037.115 in the Phase 2 GHG Procedures, depending on which section the manufacturer certifies the vehicle to), and include, with a few exceptions explicitly specified in the Phase 2 GHG Procedures, A/C cover letter and summary table, A/C system schematics, and the corresponding SAE J2727 spreadsheets.

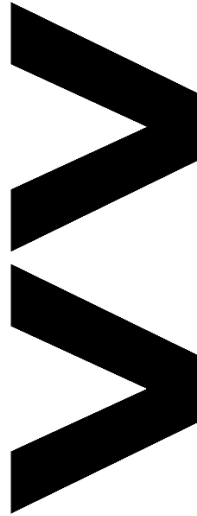
Failing to follow these instructions when completing assembly of a heavy-duty motor vehicle violates federal law and is subject to fines or other penalties as described in the Clean Air Act.

Labels

TYPE 1 The following statement is applicable to all models of Incomplete Vehicles contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to U.S. EPA and California Exhaust & Evaporative Emission Requirements and EPA/NHTSA Greenhouse Gas Emissions/Fuel Economy Regulation labeling requirements providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location, or vital spatial clearances of the Emission Control related Information Labels that are permanently affixed. The labels are required by 40 CFR 1037.135 and must not be obstructed from view or defaced so as to impair their visibility or legibility.

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