

# DOCUMENT FOR INCOMPLETE VEHICLE APPLICABLE TO THE 2019 MODEL YEAR CHEVROLET BOLT LIGHT COMMERCIAL VEHICLE

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**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.

This document is furnished as required by the Canada Motor Vehicle Safety Act and 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 Canada Motor Vehicle Safety Standards (CMVSS) and U.S. Federal Motor Vehicle Safety Standards (FMVSS). Also included are instructions which must be followed in order to assure that 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 Environmental Protection Agency (EPA) Greenhouse Gas Regulations are met.

This document is not a substitute for knowledge and understanding of the requirements of the Canada Motor Vehicle Safety Act, Federal Motor Vehicle Safety Regulations (FMVSR), or applicable Canada Motor Vehicle Safety Standards (CMVSS) and 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 the 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 Canada Motor Vehicle Safety Standard or 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.

## INTRODUCTION

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

- Part I - FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND CANADA MOTOR VEHICLE SAFETY STANDARDS**
- Part II - U.S. ENVIRONMENTAL PROTECTION AGENCY, STATE OF CALIFORNIA, AND CANADIAN EMISSION REQUIREMENTS AND NHTSA FUEL ECONOMY REQUIREMENTS**

### PART I

This section contains a list of Canada Motor Vehicle Safety Standards (CMVSS), and Federal Motor Vehicle Safety Standards (FMVSS), followed by a section entitled "Statements Regarding Canada Motor Vehicle Safety Standards (CMVSS), and Federal Motor Vehicle Safety Standards (FMVSS)". In the latter section, an appropriate statement of applicability is made for each standard, and by vehicle type, as it relates to the incomplete vehicle.

**Listing of vehicle types as defined in Part 571.3 that this incomplete vehicle may be appropriately manufactured: Truck**

The identifiers TYPE 1, TYPE 2 or TYPE 3 prefix the statements (of applicability) regarding Canada Motor Vehicle Safety Standards (CMVSS), and 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 CMVSS 104 and FMVSS No. 104, Windshield Wiping and Washing Systems, if no alterations are made in 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 CMVSS 121 and FMVSS 121, Air 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 ## 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 Canada Motor Vehicle Safety Regulations, and 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 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.

In addition, the final stage manufacturer is responsible under Canada Motor Vehicle Safety Regulations, and 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. However, for school buses the minimum occupant weight allowance shall be 54.4 kg (120 lb) per passenger and 68 kg (150 lb) for the driver.

Unloaded Vehicle Weight means the weight of a vehicle with maximum capacity of all fluids necessary for operation of the vehicle, but without cargo, 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.

**MASS TABLE A  
MAXIMUM ALLOWABLE UNLOADED VEHICLE WEIGHTS**

<b>Unloaded Vehicle Weight</b>	<b>GVWR</b>	<b>GAWR Front</b>	<b>GAWR Rear</b>	<b>Tire Size</b>	<b>Tire Pressure Front</b>	<b>Tire Pressure Rear</b>
<b>1631 (3596 lb)</b>	<b>2119 (4672 lb)</b>	<b>1060 (2337 lb)</b>	<b>1100 (2425 lb)</b>	<b>205/55R16</b>	<b>38 psi</b>	<b>38 psi</b>

**If you have questions regarding the information in this document, contact GM Upfitter Integration through their website located at [www.gmupfitter.com](http://www.gmupfitter.com)**

**PART I – CHART A**

LIST OF CANADA MOTOR VEHICLE SAFETY STANDARDS (CMVSS) AND  
FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS), APPLICABLE TO THE TRUCK.  
**SEE STATEMENTS REGARDING CMVSS AND FMVSS ON PAGES THAT FOLLOW**

<b>CMVSS NO.</b>	<b>FMVSS NO.</b>	<b>TITLE</b>	<b>TRUCK</b>
1106	-	Exterior noise	1
ICES-002	-	Canada interference causing equipment standard	1
101	101	Controls and displays	1
102	102	Transmission shift position sequence, starter interlock and transmission braking effect	1
103	103	Windshield defrosting and defogging systems	1
104	104	Windshield wiping and washing systems	1
106	106	Brake hoses, hydraulic, air and vacuum	1
108	-	Daytime running lamps	1
108	108	Lamps, reflective devices and associated equipment	1
110	110	Tire selection and rims for motor vehicles with a GVWR of 4536 kg (10,000 lb) or less	2
111	111	Rear visibility	1
113	113	Hood latch system	1
114	114	Theft protection and rollaway prevention	1
115	-	Vehicle identification number	1
116	116	Motor vehicle brake fluids	1
118	118	Power operated window, partition and roof panel systems	1
124	124	Accelerator control systems	1
126	126	Electronic stability control systems	2
135	135	Light vehicle brake systems	2
-	138	Tire pressure monitoring systems	2
201	201	Occupant protection in interior impact	1,3
202	202A	Head restraints	1
203	203	Impact protection for the driver from the steering control system	1
204	204	Steering control rearward displacement	1
205	205	Glazing materials	1
206	206	Door locks and door retention components	1
207	207	Seating systems	1
208	208	Occupant crash protection	2,3
209	209	Seat belt assemblies	1,3
210	210	Seat belt assembly anchorages	1
210.1	-	User-ready Tether Anchorages for Restraint Systems and Booster Seats	2,3
212	212	Windshield mounting	1
213.4	213	Built-in child restraint systems and built-in booster cushions	3
214	214	Side impact protection	2
216	216a	Roof crush resistance	2

<b>CMVSS NO.</b>	<b>FMVSS NO.</b>	<b>TITLE</b>	<b>TRUCK</b>
219	219	Windshield zone intrusion	1
220	220	School bus rollover protection	3
-	225	Child restraint anchorage system	2,3
226	226	Ejection Mitigation	1
302	302	Flammability of interior materials	1,3
305	305	Electric-powered vehicles: electrolyte spillage and electrical shock protection	2
-	403	Platform Lift Systems	3
-	404	Platform Lift Systems Installations in Motor Vehicles	3

- TYPE 1, 2 or 3 numbers to the right-hand side of the table above designate the statement TYPE(S) associated with the CMVSS and/or FMVSS standards that follow.

# Statements Regarding Canada Motor Vehicle Safety Standards (CMVSS), and Federal Motor Vehicle Safety Standards (FMVSS)

## CMVSS 1106 – EXTERIOR NOISE

### Applies to all types of Incomplete Vehicles Contained in this Document

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

- A. This incomplete vehicle, when completed, will conform to the above standard 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, as manufactured by General Motors, including but not limited to those listed below (if equipped):

Alternator	Power steering pump
Axles/halfshafts/propshaft	Propulsion system control and logic
Electric propulsion system	Propulsion system 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	Underbody shields including air deflector
Hood assembly including sound deadening material and seals	Wheelhouse liners and shields

- B. Final compliance with CMVSS 1106 is the responsibility of the final stage manufacturer for any modifications, added material, components, or systems.

## INTERFERENCE CAUSING EQUIPMENT STANDARD (CANADA ONLY) – ICES-002

### Applies to all types of Incomplete Vehicles Contained in this Document

**TYPE 1** The following statement is applicable to all types of incomplete vehicles with spark ignition engines contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to the performance requirements of the above standard 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, as manufactured by General Motors, including but not limited to those listed below:

Low voltage battery	Electric propulsion system
Charging System	BCM/SDM
High voltage battery	

**The final stage manufacturer must provide a statement of compliance on the Final Stage Manufacturer's Compliance Label with the following bilingual information in order to comply with Industry Canada's Interference Causing Equipment Standard ICES/NMB-002:**

ICES/NMB-002

**CMVSS 101 and FMVSS 101 – CONTROLS AND DISPLAYS**  
**Applies to all types of Incomplete Vehicles Contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 101 and FMVSS 101 providing no alterations are made which affect the size, location, identification or illumination of the controls and displays or the location, travel and type of driver's seat, as manufactured by General Motors.

The following controls must be operable, and the following displays for the following functions and 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)	Horn
Clearance lamps (switch)	Illumination intensity
Clutch	Master lighting switch
Driver's sun visor	Position, side marker, end-outline marker lamps
Engine start	Rear window defogging and defrosting systems
Engine stop	Steering wheel
Electric park brake switch	Tail lamps
Electronic stability control system "off"	Turn signal
Hazard warning signal	Windshield defogging and defrosting systems
Hazard warning switch	Windshield washer (washing system)
Headlamps	Windshield wiper (wiping system)
Headlamp high or low beam switch	
Heating and air conditioning fan	
Heating and air conditioning system	

Foot operated controls (if equipped):

Accelerator	Tail lamp
Headlamp high or low beam switch	Windshield washer (washing system)
Service brake pedal	Windshield wiper (wiping system)

Displays (if equipped):

Antilock brake system malfunction	Headlamp high beam
Battery charging condition	Low brake air pressure telltale
Brake lining wear-out condition	Low brake fluid condition
Brake system malfunction (Canada - ISO symbol)	Low tire pressure indication (see MVSS 138)
Brake Pressure (system loss)	Odometer (Canada must be metric)
Electrical charge	Passenger air bag Status
Electronic stability control system "off"	Parking brake applied
Electronic stability control system malfunction	Regenerative brake system malfunction
Coolant temperature	Seat belt (unfastened telltale)
Fuel level	Speedometer (Canada must be metric)
Gross loss of brake pressure condition	Tire pressure monitoring system malfunction
Hazard warning signal	Turn signal(s)
	Variable brake proportioning system malfunction

If the intermediate or final stage manufacturer installs any of the above controls and displays, they must also meet the requirements of this standard.

**CMVSS 102 and FMVSS 102 – TRANSMISSION SHIFT POSITION SEQUENCE,  
STARTER INTERLOCK AND TRANSMISSION BRAKING EFFECT**  
**Applies to all types of Incomplete Vehicles Contained in this Document**

**TYPE 1** The following statement is applicable to all incomplete vehicle types contained in this document (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 102 and 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, as manufactured by General Motors, including but not limited to those listed below (if equipped):

Automatic (AT) or Manual (MT) Transaxle/Transmission control and identification system, including but not limited to:

- |   |  |
|---|--|
| AT floor shift mechanism  | Automatic transmission/transaxle assembly              |
| AT gear ratios and final drive ratio                                | Brake - AT interlock controls                          |
| AT gear shift sequence and control logic (electrical or mechanical) | Electric starter interlock controls                    |
| AT neutral safety switch assembly and wire                          | AT or MT shift position pattern (knob, plate or label) |
| AT position indicator linkage and display                           | Vehicle wiring harnesses                               |
| AT steering column assembly   |  |

**CMVSS 103 and FMVSS 103 – WINDSHIELD DEFROSTING AND DEFOGGING SYSTEMS**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 103 and 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, as manufactured by General Motors, 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 and air conditioning wiring harness                    |
| Defroster air distributor assembly (manifold)                                  | Heater and defroster assembly (including motor and blower)    |
| Defroster air duct assembly  | Heater and defroster control (electrical, mechanical, vacuum) |
| Defroster air hoses (distributor to nozzle)                                    | Heater and radiator hoses/hose assemblies                     |
| Defroster air to windshield outlet assembly (nozzle) (it affects blower speed) | Heater blower motor speed control                             |
| Defroster outlet to heater assembly adapter                                    | Side window defroster ducts                                   |
| Coolant pump   | Vacuum control hoses and electric actuators                   |
| Water outlet thermostat assembly   | Windshield assembly   |
|  | Electric Heater   |

**CMVSS 104 and FMVSS 104 - WINDSHIELD WIPING AND WASHING SYSTEMS**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 104 and 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, as manufactured by General Motors, including but not limited to those listed below (if equipped):



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

Vehicle wiring harness and electrical controls	Windshield washing system hoses
Washer reservoir cap	Windshield wiper arm assembly
Water reservoir filler assembly	Windshield wiper blade assembly
Windshield assembly	Windshield wiper linkage assembly
Windshield module attachments	Windshield wiper/washer control
Windshield washer fluid reservoir	Windshield wiper/washer motor/pump assembly
Windshield washer nozzle	

**CMVSS 106 and FMVSS 106 – BRAKE HOSES, HYDRAULIC, AIR AND VACUUM**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 106 and 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, as manufactured by General Motors, including but not limited to those listed below:

Hydraulic, Air, and Brake Hoses and assemblies	Labeling requirements
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**CMVSS 108 – DAYTIME RUNNING LAMPS**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed will conform to the Daytime Running Lamps (DRL) requirements of CMVSS 108 providing no alterations are made to the ignition switch, DRL system components or wiring, and any vehicle forward lighting as manufactured by General Motors.

**CMVSS 108 and FMVSS 108 – LAMPS, REFLECTIVE DEVICES AND ASSOCIATED EQUIPMENT**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 108 and FMVSS 108 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, as manufactured by General Motors, including but not limited to those listed below:

Back-up lamps	Headlamp highbeam indicator
Body control module (BCM)	License plate lamp
Center high mounted stop lamp	Owner manual instructions
Daytime running lamps controls and wiring (Canada)	Park lamps
Front side marker lamps	Rear side marker lamps
Front side reflex reflectors	Rear side reflex lamps
Front turn signal lamps	Rear reflex reflectors
Hazard warning flasher	Rear turn signal lamps
Hazard warning signal operating unit	Stop lamps
Headlamps	Tail lamps
Headlamp dimmer switch	Turn signal control

**CMVSS 110 and FMVSS 110 – TIRE SELECTION AND RIMS FOR MOTOR VEHICLES  
WITH A GVWR OF 4536 kg (10,000 lb) OR LESS**

**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 110 and FMVSS 110, providing:

- 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, as manufactured by General Motors, including but not limited to:

Owner Manual instructions  
Tires

Wheels

- B. GVWR, GAWR front and rear weight ratings as listed in Mass Table A at the beginning of this document are not exceeded.
- C. The tire and wheel, GVWR, GAWR information shown in Mass Table A at the beginning of this document must be transferred to the Final Stage Manufacturer's certification label and Tire placard in compliance with CMVSR 6.6(1) and CMVSS 110 or FMVSR 567.5 and FMVSS 110.

**CMVSS 111 and FMVSS 111 – REAR VISIBILITY**

**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle will conform to CMVSS 111 and FMVSS 111 providing:

- A. No alterations or substitutions are made to the outside mirrors or inside mirrors furnished with the vehicle,
- B. The driver's seat location is not altered,
- C. The body width is not increased, and
- D. The body remains symmetrical about the vehicle centerline.
- E. The GVWR is not changed.

**CMVSS 111 and FMVSS 111 – REAR VISIBILITY CAMERA SYSTEMS**

**(Applies to all US vehicles and all Canadian vehicles completed after April 30, 2019)**

**TYPE 1** The following statement is applicable to all vehicles contained in this document 4536 kg (10,000 lb.) GVWR or less (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 111 S6.2 rear camera visibility system requirements providing there are no accessories, paint or decals added that obscure the video camera and 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, as manufactured by General Motors, including but not limited to those listed below:

Body Control Module (BCM)  
Camera lens and mounting

Video display  
Wiring for video and camera

**CMVSS 113 and FMVSS 113 – HOOD LATCH SYSTEM**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 113 and FMVSS 113 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, as manufactured by General Motors, including but not limited to those listed below:

Hood latch systems, which may include but are not limited to:

Hood latch (catch) assembly	Hood latch striker plate (hook) and reinforcements
Hood latch cable release system including controls	Hood latch support assembly
Hood latch pilot	

**CMVSS 114 and FMVSS 114 – THEFT PROTECTION AND ROLLAWAY PREVENTION**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**4536 kg (10,000 lb) GVWR or less**

**TYPE 1** The following statement is applicable to all types of incomplete vehicles contained in this document, 4536 kg (10,000 lb) GVWR or less (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 114 and FMVSS 114 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, as manufactured by General Motors, including but not limited to those listed below:

Electric propulsion system interlock controls	Remote start system
Electronic Immobilizer	Owner Manual Instructions
Ignition key	Steering column lock assembly
Ignition key warning chime system	Electric Drive Unit
Remote keyless entry system	

**CMVSS 115 – VEHICLE IDENTIFICATION NUMBER**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 115 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, as manufactured by General Motors, including but not limited to those listed below:

The Vehicle Identification Number (VIN)	VIN plate fasteners
VIN label or plate	

**CMVSS 116 and FMVSS 116 – MOTOR VEHICLE BRAKE FLUIDS**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

The hydraulic brake fluid in this incomplete vehicle, as manufactured by General Motors, will conform to CMVSS 116 and FMVSS 116 providing no alterations are made which affect the physical or chemical properties of the brake fluid.

**CMVSS 118 and FMVSS 118 – POWER OPERATED WINDOW, PARTITION  
AND ROOF PANEL SYSTEMS**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**4536 kg (10,000 lb) GVWR or less**

**TYPE 1** The following statement is applicable to all types of incomplete vehicles contained in this document, 4536 (10,000 lb) GVWR or less (unless otherwise noted on the cover).

This incomplete vehicle, if equipped by General Motors with power windows, when completed, will conform to CMVSS 118 and FMVSS 118 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, as manufactured by General Motors, including but not limited to those listed below (if equipped):

Power window electrical system  
Power window operating system

Power window operating system control logic  
Window glazing material

Final compliance with CMVSS 118 and FMVSS 118 is the responsibility of the final stage manufacturer for any modifications, or added material, components, or systems.

**CMVSS 124 and FMVSS 124 – ACCELERATOR CONTROL SYSTEMS**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 124 and 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, as manufactured by General Motors, including but not limited to those listed below:

Accelerator control systems, including but not limited to:

Accelerator pedal hardware, electronics, controls and its interactions with the ECM and SPIM (single power inverter module)  
Cruise control module, wiring and cable (if equipped)  
Electronic control assembly and related wiring

Floor covering material must not be installed under pedal or within 25.4 mm (1 in) of side of pedal  
Lever, throttle or accelerator and supporting bracket  
Pedal-throttle or accelerator and attachments  
Spring(s) - throttle or accelerator return

## **CMVSS 126 and FMVSS 126 – ELECTRONIC STABILITY CONTROL SYSTEMS**

### **Applies to all types of Incomplete Vehicles Contained in this Document**

### **4536 kg (10,000 lb) GVWR or less**

**TYPE 2** The following statement is applicable to all types of incomplete vehicles contained in this document, 4536 kg (10,000 lb) GVWR or less (unless otherwise noted on the cover).

This incomplete vehicle when completed will conform to CMVSS 126 and FMVSS 126 provided it is completed in accordance with the following specific conditions by the (intermediate and) final stage manufacturer:

A. 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, as manufactured by General Motors, including but not limited to those listed below:

Anti-Lock Brake, Traction Control and Electronic Stability control system, including sensors and control module	Hydraulic brake valves and components
Brake assemblies and components (service/ parking) - (i.e. power boosters, master cylinder, wheel cylinder, calipers, rotors, wheel speed sensor, wheel speed sensor wiring, brake lining etc.)	Hydraulic pumps
Brake pedal, brake switch, parking brake hand lever or park brake switch and related mechanical components	Master cylinder-warning statement
Brake system electrical controls and logic	Owner Manual instructions
Gauges and warning devices, and statements	Parking brake actuator and related mechanical components
Hydraulic brake fluid and reservoirs	Power steering lines and routing
Hydraulic brake lines, fittings and routings	Tires and Wheels
	Stability control system, including control module, sensors and software calibrations
	Steering control system including related hardware
	Suspension components (i.e. bushings, control arms, shocks, springs, sway bars)
	Vehicle wiring harnesses
	Regenerative charging system

B. GVWR, GAWR front and rear weight ratings as listed on the Incomplete Vehicle Label affixed to the front cover of this document must not be exceeded.

C. The Tire Pressures as listed in Mass Table A in the beginning of this document must be followed.

D. The Maximum Completed Vehicle Unloaded Weight restrictions as shown in Mass Table A in the beginning of this document, must not be exceeded.

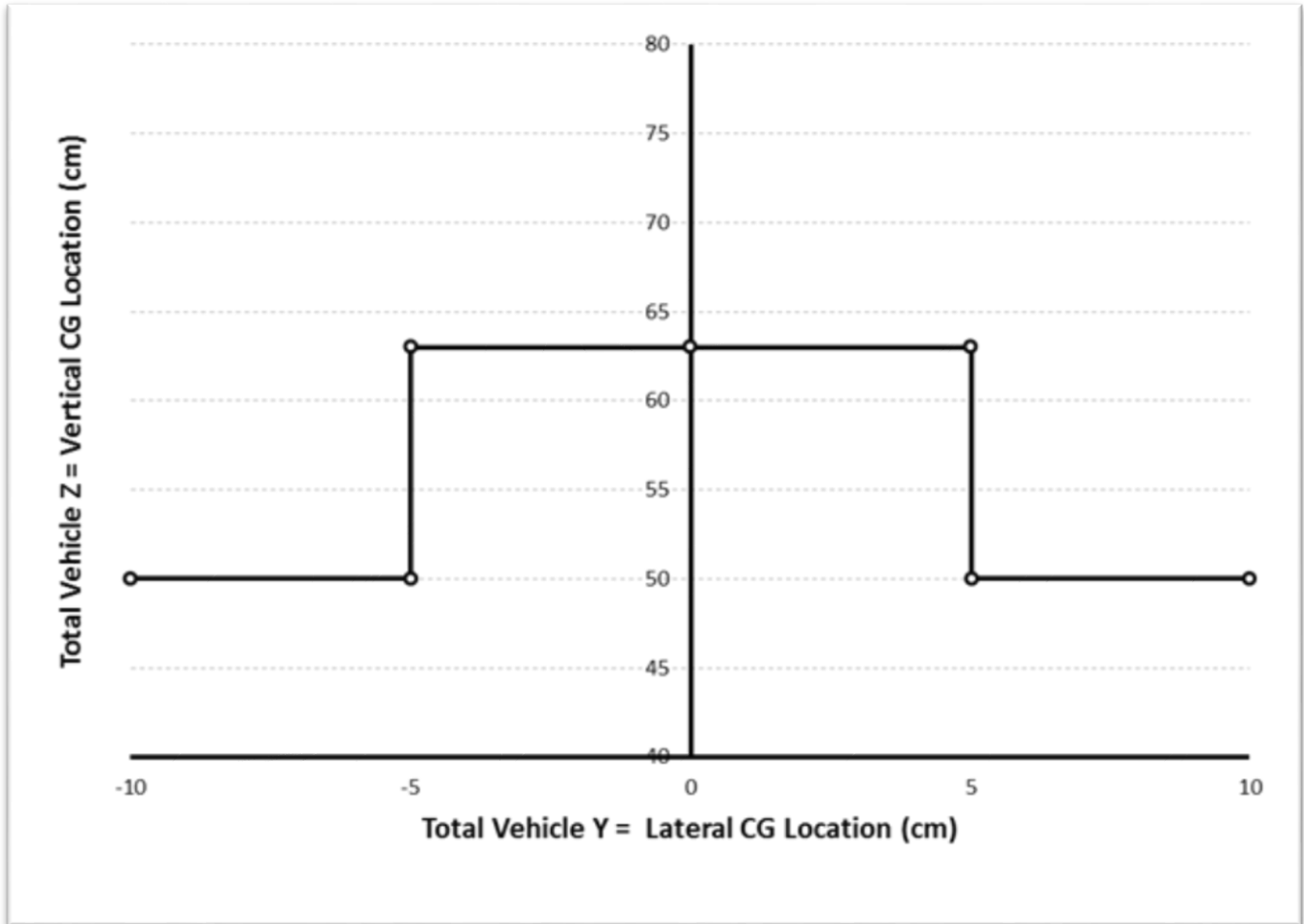
E. The center of gravity of the total vehicle falls within the areas referenced on the CMVSS 126 and FMVSS 126 Compliance Certification “X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions” charts that follow. Instructions for determining the allowable center of gravity variation are listed below:

**Chevrolet Bolt EV 205/55R16 Goodyear Assurance  
CMVSS 126 and FMVSS 126 Compliance Certification**

**“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”**

Model Identification	Completed Vehicle Wheelbase in mm (in)	Maximum Allowable Completed Vehicle Curb Weight kg (lb) (no passengers)	Front/Rear Tire Pressures in kpa (psi)	@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	@ Y – Lateral CG Offset Location mm (in)		
					-5 (2)	0	5 (2)
LCV	2600 (102")	1848 (4075 lb)	260 (38 psi) / 260 (38 psi)	115 (45.3)	57 (22.4)	57 (22.4)	57 (22.4)
	2600 (102")	1848 (4075 lb)	260 (38 psi) / 260 (38 psi)	120 (47.2)	60 (23.6)	60 (23.6)	60 (23.6)
	2600 (102")	1848 (4075 lb)	260 (38 psi) / 260 (38 psi)	125 (49.2)	63 (24.8)	63 (24.8)	63 (24.8)
	2600 (102")	1848 (4075 lb)	260 (38 psi) / 260 (38 psi)	130 (51.2)	63 (24.8)	63 (24.8)	63 (24.8)
	2600 (102")	1848 (4075 lb)	260 (38 psi) / 260 (38 psi)	135 (53.2)	63 (24.8)	63 (24.8)	63 (24.8)
					<b>^^^ Maximum Z - Vertical CG Height Restriction Values ^^^</b>		

**CMVSS 126 and FMVSS 126 Compliance Certification Y = Lateral and Z = Vertical Center of Gravity Restriction Visual Representation EXAMPLE shown in centimeters**



For upfitter use and applicable to CMVSS 126 and FMVSS 126, the longitudinal and vertical vehicle center of gravity location can be approximated by following the formula below and by referencing data elements within CMVSS 105 and FMVSS 105 – HYDRAULIC AND ELECTRIC BRAKE SYSTEMS or CMVSS 135 and FMVSS 135 LIGHT VEHICLE BRAKE SYSTEMS, ... ALLOWABLE CENTER OF GRAVITY CHARTS.

$$d = \frac{[Wrc + Wrb] WB}{Wt}$$

$$h = \frac{[h1*Wc + h2*Wb]}{Wt}$$

d = horizontal distance from front wheels to completed vehicle center of gravity cm (in)

h = vertical distance from ground to completed vehicle center of gravity cm (in)

Wrc = rear component of Chassis weight kg (lb)

Wrb = rear component of body weight kg (lb)

WB = vehicle wheelbase cm (in)

Wt = total weight of chassis and body kg (lb)

h1 = center of gravity height from ground of the Bare Chassis:

Based on model applicability, refer to the h1 values listed in this document within: CMVSS 105/FMVSS 105 - HYDRAULIC AND ELECTRIC BRAKE SYSTEMS, or CMVSS 135/FMVSS 135 - LIGHT VEHICLE BRAKE SYSTEMS.

Wc = total weight of vehicle as manufactured by General Motors kg (lb)

h2 = center of gravity height of body from ground cm (in)

Wb = total weight of body kg (lb)

In addition, the equation to calculate the lateral vehicle center of gravity location from center of vehicle can be estimated by using the following formula:

lateral offset from centerline of vehicle =  $\{[(RF \text{ corner weight kg (lb)} + RR \text{ corner weight) kg (lb)} / (\text{total vehicle weight kg (lb)})] - 0.5\} * \text{vehicle track width of 1721.0 mm (67.8in)}$ .

If the lateral offset from centerline of vehicle calculation above results in a positive number, the lateral vehicle offset center of gravity is toward the right side (passenger) of the vehicle.

Alternatively, if the lateral offset from centerline of vehicle calculation above results in a negative number, the lateral vehicle offset center of gravity is toward the left side (driver) of the vehicle.

**CMVSS 135 and FMVSS 135 – LIGHT VEHICLE BRAKE SYSTEMS**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**with a 3500 kg (7,716 lb) GVWR or less**

**TYPE 2 The following statement is applicable to all types of incomplete vehicles contained in this document with a 3500 kg (7,716 lb) GVWR or less (unless otherwise noted on the cover).**

This incomplete vehicle when completed will conform to CMVSS 135 and FMVSS 135 provided the intermediate or final stage manufacturer complete it in accordance with the following specific conditions:

A. 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:

- |   |  |
|---|--|
| Anti-Lock Brake System  | Hydraulic brake lines, fittings and routings             |
| Brake assemblies and components (service/parking) (i.e. power boosters, master cylinder, wheel cylinder, calipers, rotors, wheel speed sensor, wheel speed, sensor wiring, brake lining etc.) | Hydraulic brake valves and components                    |
| Brake pedal, brake switch, parking brake hand lever or park brake switch and related mechanical components  | Master cylinder-warning statement                        |
| Brake system electrical controls and logic  | Owner Manual instructions                                |
| Gauges and warning devices, and statements  | Parking brake actuator and related mechanical components |
| Hydraulic brake fluid and reservoirs  | Regenerative Charging System                             |
| Hydraulic pumps   | Tires and Wheels   |
|   | Vehicle wiring harnesses                                 |

B. The percent front weight at GVWR and percent front weight in CMVSS 135 and FMVSS 135 lightly loaded condition are met as tabulated below per completed vehicle wheel base and vehicle type.

**CMVSS 135 and FMVSS 135 BRAKE TABLE**

Completed Vehicle Wheelbase		Vehicle Type	Percent of Front Weight at GVWR (percent)	Percent of Front Weight in Standard 135 Lightly Loaded Condition (percent)
mm	inches			
2600	102	K1T	47.4 – 50.6	52.8 – 58.2

C. The GVWR, GAWR front and rear weight ratings as listed on the Incomplete Vehicle Label affixed to the front cover of this document must not be exceeded.

D. The maximum vertical center of gravity cannot exceed the Z = Vertical Center of Gravity (CG) Restrictions at the 0 mm (in) Y – Lateral CG Offset Location shown in the "... CMVSS 126 and FMVSS 126 Compliance Certification ... Restrictions," table.



**FMVSS 138 – TIRE PRESSURE MONITORING SYSTEM (If Equipped)**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**with a 4536 kg (10,000 lb) GVWR or less**

**TYPE 2** The following statement is applicable to all types of incomplete vehicles contained in this document with a 4536 kg (10,000 lb) GVWR or less (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 138, providing the vehicle is equipped with a Tire Pressure Monitoring System (TPMS) installed by General Motors and 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:

Body control module	Tires and Wheels
Instrument panel cluster	TPMS receiver module
Owner Manual Instructions	TPMS sensors integral to the valve stems
Remote start coax antennae (if equipped)	Vehicle wiring harness

All incomplete vehicles shipped from the General Motors assembly plant may have tire pressures set for shipping purposes only. It is the responsibility of the final stage manufacturer to label the vehicle in compliance to FMVSS 138. In addition, it is the responsibility of the final stage manufacturer to ensure the TPMS system is calibrated to the values printed on the final stage manufacturer's Tire Certification Label or Tire Information Label.

Wheelbase alteration, and/or addition of components may interfere with the TPMS radio frequency signal that may result in a malfunction warning displayed in the Driver Information Center (DIC)

**CMVSS 201 and FMVSS 201 – OCCUPANT PROTECTION IN INTERIOR IMPACT**  
**FMVSS 201 contains two components: 201L (Lower Interior, FMVSS 201 Section S5 and CMVSS 201 equivalent) applies to instrument panels, seat backs, interior compartment doors, sun visors, door armrests and seat armrests, and 201U (Upper Interior FMVSS 201 Sections S6 – S10) applies to the pillars, seat belt anchorages located on a pillar, front header, side roof rails, rear header, upper roof, sliding door track and door frames.**

**201L (Lower Interior, FMVSS 201 Section S5 and CMVSS 201 equivalent)**

**TYPE 1** The following statement is applicable to all models 4536 kg (10,000 lb) GVWR or less types of incomplete vehicles contained in this document (unless otherwise noted on the cover)

This incomplete vehicle, when completed, will conform to 201L (Lower Interior, FMVSS 201 Section S5 and CMVSS 201 equivalent), 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, as manufactured by General Motors, including but not limited to those listed below:

Air bag system	Interior compartment doors
Armrests, folding and stationary	Interior door panel armrests
Body structure	Overhead console
Center console	Seats
Center console compartment door (if equipped)	Seats (if equipped with folding armrest)
Door trim	Seats, seat backs, and head restraints
Door structure	Sun visor mounts
DVD rear entertainment system	Sun visors
Headliner	Upper interior trim
Instrument panel	

**201L (Lower Interior, FMVSS 201 Section S5 and CMVSS 201 equivalent)**

**TYPE 3** The following statement is applicable to all models 4536 kg (10,000 lb) GVWR or less types of incomplete vehicles contained in this document with respect to any seats, seat belts or seat assembly anchorages installed by the intermediate or final stage manufacturer (unless otherwise noted on the cover).

Conformity with 201L (Lower Interior, FMVSS 201 Section S5 and CMVSS 201 equivalent), cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**This Statement is Applicable All Incomplete Vehicles**

**201U (Upper Interior FMVSS 201 Sections S6 – S10)**

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

This incomplete vehicle, when completed, will conform to 201U (Upper Interior FMVSS 201 Sections S6 – S10), 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, as manufactured by General Motors, including but not limited to those listed below:

A, B, C pillar structure	Instrument panel
Assist handles	Overhead interior compartment doors
Door trim	Overhead lighting and console
Door structure	Roof structure
Front seat air bags	Roof rail airbag system
Front seat adjusters	Sensing diagnostic module (SDM)
Headliner	Sun visors
	Upper interior trim

NOTE: Compliance to FMVSS 201, Section S6 – S10, requires trim and energy absorbing countermeasures either built into or underneath the headliner, garnish moldings, D-Ring covers, door trim and other interior trim components.

**Applicable to Any Items Installed by the Upfitter**

**201U (Upper Interior FMVSS 201 sections S6 – S10)**

**TYPE 3** The following statement is applicable to any items installed such as Bulkhead divider, Cargo Racks, etc., on incomplete vehicles contained in this document.

Conformity with 201U (Upper Interior FMVSS 201 sections S6 – S10), cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**CMVSS 202 and FMVSS 202A – HEAD RESTRAINTS**

**Applies to all types of Incomplete Vehicles Contained in this Document**

**4536 kg (10,000 lb) GVWR or less**

**TYPE 1** The following statement is applicable ALL seating positions.

This incomplete vehicle, when completed, will conform to CMVSS 202 and FMVSS 202A 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, as manufactured by General Motors, including but not limited to those listed below

Seat assemblies equipped with head restraints	Owner Manual instructions
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**CMVSS 203 and FMVSS 203 – IMPACT PROTECTION FOR THE DRIVER FROM THE STEERING CONTROL SYSTEM**

**Applies to all types of Incomplete Vehicles Contained in this Document with a 4536 kg (10,000 lb) GVWR or less**

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

This incomplete vehicle, when completed, will conform to CMVSS 203 and FMVSS 203 provided the Maximum Completed Unloaded Vehicle Weights shown in Mass Table A at the beginning of this document are not exceeded, and 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:

Driver's seat assembly	Steering control system including related hardware
Instrument panel	Steering wheel, column, and shaft

**CMVSS 204 and FMVSS 204 – STEERING CONTROL REARWARD DISPLACEMENT**

**Applies to all types of Incomplete Vehicles Contained in this Document with a 4536 kg (10,000 lb) GVWR or less and an unloaded vehicle weight of 2495 kg (5,500 lb) or less**

**TYPE 1** The following statement is applicable to all types of incomplete vehicles contained in this document (unless otherwise noted on the cover), with a 4536 kg (10,000 lb) GVWR or less and an unloaded vehicle weight of 2495 kg (5,500 lb) or less (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 204 and FMVSS 204 provided the Maximum Completed Unloaded Vehicle Weights shown in Mass Table A at the beginning of this document are not exceeded, and 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 that would affect the steering control system displacement in a 48 kph (30 mph) fixed barrier impact:

Front impact bar assembly and mounting system	Steering wheel, column, and shaft assembly
Hood and hinge assemblies	Tires and wheels
Propulsion system and drive unit mounting system	Vehicle/body front-end sheet metal components
Steering control system including related hardware	Vehicle/body front-end structural components
	Vehicle/body roof structure and components

**CMVSS 205 and FMVSS 205 – GLAZING MATERIALS**

**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 205 and FMVSS 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, as manufactured by General Motors, including but not limited to those listed below:

Glazing material	Visibility of the monogram
Monogram	Windshield shade banding

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

**CMVSS 206 and FMVSS 206 – DOOR LOCKS AND DOOR RETENTION COMPONENTS**  
**Applies to all types of Incomplete Vehicles contained in this Document**  
**with a 4536 kg (10,000 lb) GVWR or less**

**TYPE 1** The following statement is applicable to all types of incomplete vehicles contained in this document, with a 4536 kg (10,000 lb) GVWR or less (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 206 and FMVSS 206 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:

Door and pillar systems, including but not limited to:

Body rear end upper and lower panel	Doors
Door hinges	Exterior door handles
Door latch strikers and striker plates	Inside lock control linkages
Door latches	Rear hatch latch and striker assembly
Door locks	Rear hatch assembly
Door pillars	Rear hatch hinge assembly
Door wedges	

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

**CMVSS 207 and FMVSS 207 – SEATING SYSTEMS**  
**Applies to all types of Incomplete Vehicles Contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 207 and 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, as manufactured by General Motors, including but not limited to those listed below:

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, reinforcements, attachment hardware, etc.	Seat or seat back latch striker
	Seat riser

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

**CMVSS 208 and FMVSS 208 – OCCUPANT CRASH PROTECTION**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**with a 3856 kg (8,500 lb) GVWR or less and**  
**an unloaded vehicle weight of 2495 kg (5,500 lb) or less**

**TYPE 2** The following statement is applicable to all seating positions in all types of incomplete vehicles contained in this document with the General Motors allowable unloaded vehicle weight of 2495 kg (5,500 lb) or less and a GVWR of 3856kg (8,500 lb) or less (unless otherwise noted on the cover).

The front seating positions provided by General Motors will conform to the requirements of CMVSS 208 and FMVSS 208, providing the Unloaded Vehicle Weight specified in Mass Table A that appears at the beginning of this document is not exceeded, and 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:

1. The number, location or configuration of the designated seating positions.
2. The number, placement, installation or model number of the seat belt assemblies provided.
3. The owner manual instructions, the instrument panel or its mounting, the steering column/shaft or its mounting, the knee bag or its mounting, the steering wheel, horn pad, driver air bag module or its mounting and covering, passenger airbag module or its mounting or covering (if equipped), air bag crash sensors. **Note: For the “Passenger Sensing System” modifying or putting a padded cover on the passenger seat can affect the performance of this system.**
4. Sensor Diagnostic Module (SDM) and all air bag system wiring. Do not relocate or move the SDM, or airbag crash sensors. Do not obstruct the path of air bag deployment. Do not mount any components that produce more than a 20 Gauss magnetic field as measured at the SDM. Speakers/*magnets* must be located at least 12.7 cm (5 in) from the SDM. You must disconnect the SDM before doing any welding on the vehicle, otherwise do not disconnect the SDM. **Caution: To help avoid Personal Injury Due to unwanted air bag inflation, observe the following precautions!** Do not weld, solder, braze, hammer, machine, drill, heat, electrical splice, add onto, remove, relocate, test, paint, loosen or in any way alter air bag components or wiring or fuses. Carpet may be put over the SDM if an appropriate moisture barrier (such as a rubber-matted backing) is supplied. When performing any operation around air bag components or wiring, including but not limited to any operations around the instrument panel, electrical wiring and fuse block, steering column/wheel, and the engine compartment, you must disable the air bag system prior to the operation. If the vehicle is equipped with an SDM, you must disable the air bag system prior to installing intermediate or final stage manufacturer components. *Note: Striking or dropping a powered SDM may cause air bag deployment.* The air bag system must be enabled after operation completion. This must be verified before shipping the vehicle. Instructions for disabling and enabling the air bag system can be found in the GM service manual. **Note: All connectors that have wiring routed between the SDM and an air bag inflator module have yellow connectors.**
5. If the sun visor is removed or altered, or if the intermediate or final stage manufacturer installs the sun visor, a new Inflatable Restraints System Caution label must be installed per CMVSS 208 and FMVSS 208 requirements. In order to be in compliance with CMVSS 208 and FMVSS 208 no other label shall be installed on the same side of the sun visor as the Air Bag Caution label. The instrument panel temporary warning label must not be removed.
6. The vehicle frame, front bumper system, front sheet metal or other front structure, roof structure, doors, floor pan, dash panel, cowl structure, driveline or contents of the engine compartment by any incomplete or final stage manufacturer which would result in any difference from the modified vehicle’s deceleration if the modified vehicle were to be subjected to barrier impact tests conducted per CMVSS 208 and FMVSS 208.

**TYPE 3 The following statement is applicable to all types of incomplete vehicles contained in this document with respect to any seats, seat belt assemblies or seat belt assembly anchorages installed by the intermediate or final stage manufacturer (unless otherwise noted on the cover).**

Conformity with CMVSS 208 and FMVSS 208 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

### **CMVSS 209 and FMVSS 209 – SEAT BELT ASSEMBLIES**

#### **Applies to all types of Incomplete Vehicles Contained in this Document**

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

The seat belt assembly provided by General Motors when mounted to its original attachments locations at any designated seating position, will conform to CMVSS 209 and 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, as manufactured by General Motors, including but not limited to those listed below:

Owner Manual instructions  
Seat anchorages  
Seat assemblies

Seat belt anchorages  
Seat belt assemblies

**TYPE 3 The following statement is applicable to all types of incomplete vehicles contained in this document with respect to any seats, seat belt assemblies or seat belt assembly anchorages installed by the intermediate or final stage manufacturer (unless otherwise noted on the cover).**

Conformity with CMVSS 209 and FMVSS 209 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

### **CMVSS 210 and FMVSS 210 – SEAT BELT ASSEMBLY ANCHORAGES Applies to all types of Incomplete Vehicles Contained in this Document**

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

This incomplete vehicle, when completed, will conform to CMVSS 210 and 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, as manufactured by General Motors, including but not limited to those listed below:

B and C pillar structures  
Child restraint system including lower and top  
tether anchorages, seat brackets, plates and  
reinforcements  
Floor pan assembly  
Owner Manual instructions  
Roof structure

Seat assemblies  
Seat belt assemblies  
Seat belt anchorage brackets, plates, and  
reinforcements  
Seat belt routing  
Seat position/adjustment capability

### **CMVSS 210.1 – USER-READY TETHER ANCHORAGES FOR RESTRAINT SYSTEMS AND BOOSTER SEATS**

#### **Applies to all types of Incomplete Vehicles Contained in this Document 3855 kg (8,500 lb) GVWR or less**

**TYPE 2 The following statement is applicable to all types of incomplete vehicles contained in this document with seats installed by General Motors (unless otherwise noted on the cover).**

This incomplete vehicle, when completed, will conform to CMVSS 210.1 provided the original equipment seats are not replaced, no seating positions are removed or added, and 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, as manufactured by General Motors, including but not limited to those listed below:

Child restraint system including top tether  
anchorages, seat brackets, plates and  
reinforcements  
Access to top tether anchorage systems  
Floor pan assembly  
Head restraints/head rests

Owner Manual instructions  
Seat assemblies  
Seat belt assemblies  
Seat belt anchorage brackets, plates, and  
reinforcements  
Seat belt routing  
Seat position/adjustment capability

If a load floor is installed that covers the top tether anchors, access to the top tether anchors must be provided and any anchor covers that are part of the access location(s) must be labeled with the top tether anchor symbol.

Note: Any bulk head divider, load floor or other items must provide routing for a child tether.

**TYPE 3 The following statement is applicable to all types of incomplete vehicles contained in this document with seat or seat belt delete options in any seating position (unless otherwise noted on the cover).**

Conformity with CMVSS 210.1 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

### **CMVSS 212 and FMVSS 212 – WINDSHIELD MOUNTING** **Applies to all types of Incomplete Vehicles Contained in this Document**

**TYPE 1 The following statement is applicable to all types of incomplete vehicles contained in this document with a 4536 kg (10,000 lb) GVWR or less (unless otherwise noted on the cover).**

This incomplete vehicle, when completed, will conform to CMVSS 212 and FMVSS 212 providing the Unloaded Vehicle Weight specified in Mass Table A that appears at the beginning of this document is not exceeded and if 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:

Air bag crash sensors	Seat belt assemblies
Air bag system including covers and module	Sensor Diagnostic Module (SDM) and retainers/brackets
Air bag system wiring harnesses, connectors, and fuses/relays	Steering control system including related hardware
Dash panel and cowl assembly	Steering wheel, column, and shaft assembly
Doors and hinge assemblies	Sun visor assemblies
Frame assembly and mounting system	Vehicle/body front sheet metal components/reinforcements
Front impact bar assembly and mounting system	Vehicle/body front structural components/reinforcements
Hood and hinge assemblies	Vehicle/body roof structure and components
Powertrain and powertrain mounting system	Windshield and windshield mounting system
Seat anchorages	Windshield frame/frame reinforcement
Seat assemblies	
Seat belt anchorages	

### **CMVSS 213.4 and FMVSS 213 – BUILT-IN CHILD RESTRAINT SYSTEMS AND BUILT-IN BOOSTER CUSHIONS** **Applies to all types of Incomplete Vehicles contained in this Document**

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

Conformity with CMVSS 213.4 and FMVSS 213 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

## **CMVSS 214 and FMVSS 214 – SIDE IMPACT PROTECTION**

**Applies to all types of Incomplete Vehicles contained in this Document 4536 kg (10,000 lb) GVWR or less – Static 4536 kg (10,000 lb) GVWR or less – Dynamic (Oblique Vehicle to Pole Impact) 2722 kg (6,000 lb) GVWR or less – Dynamic (Side Moving Deformable Barrier)**

**TYPE 2** The following statement is applicable to all types of incomplete vehicles contained in this document with the General Motors allowable unloaded vehicle weight of 2400 kg (5,290 lb) or less (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 214 and FMVSS 214 providing the Unloaded Vehicle Weight specified in Mass Table A that appears at the beginning of this document is not exceeded and if 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:

Air bag crash sensors	Door wedges
Air bag system including covers and module	Door window mechanisms
Air bag system wiring harnesses, connectors, and fuses/relays	Frame
Body roof structure and components	Seat airbags
Body sheet metal components/reinforcements	Seat anchorages
Door assemblies	Seat assemblies and adjusters
Door hinges	Seat belt anchorages
Door latch mechanisms	Seat belt assemblies
Door latch strikers and striker plates	Sensor Diagnostic Module (SDM) and retainers/brackets
Door latches	Side curtain airbag system (if equipped)
Door pillars	Upper interior trim including headliner
Door trim panels	

## **CMVSS 216 and FMVSS 216a – ROOF CRUSH RESISTANCE**

**Applies to all types of Incomplete Vehicles contained in this Document with a 4536 kg (10,000 lb) GVWR or less**

**TYPE 2** The following statement is applicable to all types of incomplete vehicles contained in this document with a 4536 kg (10,000 lb.) GVWR or less (unless otherwise noted on cover).

A. This incomplete vehicle conforms to CMVSS 216 and FMVSS 216a providing the Unloaded Vehicle Weight specified in Mass Table A that appears at the beginning of this document is not exceeded and if 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, as manufactured by General Motors, including but not limited to those listed below:

A, B, C pillar structure	Headliner
Air bag system	Hood assembly
Antennae	Hood mounts
Assist handles	Instrument panel
Body roof structure and components/reinforcements	Interior compartment doors
Body sheet metal components/reinforcements	Motor compartment structure and components
Body structural components/reinforcements	Roof Structure
Dash panel and cowl structure	Seat adjusters
Door pads	Seats, seat backs and head restraints
Door structure	Structural components and door assemblies
Front, rear and side glazing materials and mounting	Sun visors
Headliner	Upper interior trim
	Windshield and windshield frame



**CMVSS 219 and FMVSS 219 – WINDSHIELD ZONE INTRUSION**  
**Applies to all types of Incomplete Vehicles contained in this Document**  
**with a 4536 kg (10,000 lb) GVWR or less**

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

- A. This incomplete vehicle, when completed, will conform to CMVSS 219 and FMVSS 219 providing the Unloaded Vehicle Weight specified in Mass Table A that appears at the beginning of this document is not exceeded and if 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:

Antennae	Front, rear and side glazing materials and mounting
Body roof structure and components/reinforcements	Hood assembly
Body sheet metal components/reinforcements	Hood mounts
Body structural components/reinforcements	Motor compartment structure and components
Dash panel and cowl structure	Windshield wiper
	Windshield wiper motor

- B. During a 48 kph (30 mph) frontal barrier impact test:

1. No component installed by any intermediate or final stage manufacturer shall prevent the hood from folding in its designed folding pattern; and
2. No component installed by any intermediate or final stage manufacturer shall penetrate the windshield or protected zone.

**CMVSS 220 and FMVSS 220 – SCHOOL BUS ROLLOVER PROTECTION**  
**For all types of Incomplete Vehicles Contained in this Document using CMVSS 220 or FMVSS 220 as an Alternative Compliance procedure for CMVSS 216 or FMVSS 216a**

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

Conformity with CMVSS 220 and FMVSS 220 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**FMVSS 225 – CHILD RESTRAINT ANCHORAGE SYSTEMS**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**3855 kg (8,500 lb) GVWR or less**

**TYPE 2** The following statement is applicable to all types of incomplete vehicles contained in this document with seats installed by General Motors (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 225 provided the original passenger seat is not replaced, no seating positions are removed or added, and 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, as manufactured by General Motors, including but not limited to those listed below:

Child restraint system including top tether anchorages, seat brackets, plates and reinforcements	Seat assemblies Seat belt assemblies
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Access to top tether anchorage systems  
Floor pan assembly  
Head restraints/head rests  
Owner Manual instructions

Seat belt anchorage brackets, plates, and  
reinforcements  
Seat belt routing  
Child restraint tether routing  
Seat position/adjustment capability

If a load floor is installed that covers the top tether anchors, access to the top tether anchors must be provided and any anchor covers that are part of the access location(s) must be labeled with the top tether anchor symbol.

Note: Any bulk head divider, load floor or other items must provide routing for a child tether.

**TYPE 3 The following statement is applicable to all types of incomplete vehicles contained in this document if the passenger seat or seat belt is modified or removed (unless otherwise noted on the cover).**

Conformity with FMVSS 225 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**CMVSS 226 and FMVSS 226 – EJECTION MITIGATION**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**4536 kg (10,000 lb.) GVWR or less**

**TYPE 1 The following statement is applicable to all types of incomplete vehicles contained in this document, 4536 kg (10,000 lb.) GVWR or less (unless otherwise noted on the cover).**

This incomplete vehicle, when completed, will conform to CMVSS 226 and FMVSS 226 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, as manufactured by General Motors, including but not limited to those listed below:

A, B, C pillar structure  
Air bag system  
Assist handles  
Body structure  
Door pads  
Door structure  
Headliner  
Instrument panel  
Roof rail air bag

Roof structure  
Seat adjusters  
Seats, seat backs and head restraints  
Seat air bag  
Sensing diagnostic module (SDM)  
Sunvisors  
Upper interior trim  
Window Glazing

**CMVSS 302 and FMVSS 302 - FLAMMABILITY OF INTERIOR MATERIALS**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

This incomplete vehicle, when completed will conform to CMVSS 302 and 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, as manufactured by General Motors, including but not limited to those listed below:

All trim panels including door, front, rear and side  
panels  
Arm rests  
Compartment shelves  
Console  
Engine compartment covers

Instrument panel  
Seat assemblies  
Seat backs  
Seat belts  
Seat cushions  
Shades

Floor coverings  
Head restraints  
Headlining

Sun visors  
Wheel housing covers

NOTE: The list above also 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.

**TYPE 3** The following statement is applicable to all types of incomplete vehicles contained in this document (unless otherwise noted on the cover). Any items installed by the intermediate or final stage manufacturer must also meet the requirements of CMVSS 302 and FMVSS 302.

Conformity with CMVSS 302 and FMVSS 302 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**CMVSS305 and FMVSS305 – ELECTRIC-POWER VEHICLES: ELECTROLYTE  
SPILLAGE AND ELECTRICAL SHOCK PROTECTION**  
**Applies to all types of Incomplete Vehicles contained in this Document**

**Type 2** The following statement is applicable to all types of incomplete vehicles contained in this document

This incomplete vehicle, when completed, will conform to CMVSS 305 and FMVSS 305 providing it is completed in accordance with the following specific conditions by the (intermediate and) final stage manufacturer:

A. The following items when installed by General Motors will conform 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, as manufactured by General Motors, including but not limited to those listed below:

Charge connector	High voltage wiring
Electric propulsion system	High voltage warning labels
Electrical protection barriers	High voltage battery
Emergency Cut-Off Switch	Low voltage battery
Fuse Panels	Power Distribution System
High Powered Electronics (single power inverter module, auxillary power module, high powered distribution module, onboard charge module, electric heater, electric compressor, etc.)	Power converter
	Service disconnect

- B. Maximum Completed Unloaded Vehicle Weights shown in Mass Table A at the beginning of this document are not exceeded.
- C. If a load floor is installed that covers the battery service disconnect, access to the battery service disconnect must be provided.

**FMVSS 403 – PLATFORM LIFT SYSTEMS**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

Conformity with FMVSS 403 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**FMVSS 404 – PLATFORM LIFT INSTALLATIONS IN MOTOR VEHICLES**  
**Applies to all types of Incomplete Vehicles contained in this Document**

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

Conformity with FMVSS 404 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

## PART II

### U.S. EPA, CALIFORNIA, AND CANADIAN EXHAUST & EVAPORATIVE EMISSION REQUIREMENTS AND EPA/NHTSA GREENHOUSE GAS EMISSIONS/FUEL ECONOMY 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 bear an engine emissions label, and if a gasoline vehicle, bear an evaporative emissions label. (3) Light Duty Vehicles certified and labeled by the intermediate or final stage vehicle manufacturer as being in compliance with emission and fuel economy requirements.

In addition, all gasoline/gasoline-ethanol blend powered Federal/California Light Duty, Medium Duty and Heavy Duty Vehicles are required to have an approved fuel evaporative emission control system. Vehicles certified to Heavy Duty gasoline emission standards also require special evaporative emission labeling. In order to assure that Environmental Protection Agency (EPA), National Highway Traffic Safety Administration (NHTSA), California and Canada Emission Certification and/or Greenhouse Gas/Fuel Economy regulations are met, this vehicle must be completed in strict accordance with all instructions contained in this manual, especially the following instructions which relate to:

#### EMISSION RELATED COMPONENTS

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

- A. This incomplete vehicle, when completed, will conform to U.S. EPA, CALIFORNIA, AND CANADIAN EXHAUST & EVAPORATIVE EMISSION REQUIREMENTS AND EPA/NHTSA GREENHOUSE GAS EMISSIONS/FUEL ECONOMY REGULATIONS providing the vehicle is completed in strict accordance with all statements included in this document, especially those that relate to: "EMISSION RELATED COMPONENTS, and 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, as manufactured by General Motors, including but not limited to those listed below (if equipped):

Battery System, including but not limited to: Vehicle Integration Control Module (VICM)  
Brake System  
Components for Front Wheel Drive (FWD) System: half shaft  
Drive Unit, including, but not limited to: gearing, and electric motor

Engine Electronics, including, but not limited to: Engine Control Module (ECM)  
Tires and Wheels  
Transaxle/Transmission Assembly  
Transaxle/Transmission Electronics, including, but not limited to: calibrations/software, Single Power Inverter Module (SPIM)

- B. The front and rear tires pressures must be inflated to the values shown in the FUEL ECONOMY AND EMISSIONS TABLE that appears below.
- C. The Frontal Area and Vehicle Test Weight shown in the FUEL ECONOMY AND EMISSIONS TABLE that appears below must not be exceeded.
- D. This incomplete vehicle, when completed, will have an estimated fuel economy range value determined in accordance with 40 CFR Part 600. This value is displayed on a fuel economy label prepared in accordance with the United States Environmental Protection Agency's fuel economy regulations by General Motors and furnished with this vehicle.

This incomplete vehicle, when completed, must not exceed the "Maximum Completed Vehicle Curb Weight" in the FUEL ECONOMY AND EMISSIONS TABLE shown below. To do so will invalidate the fuel economy value determined by the GM Propulsion system – Emission Compliance and

Certification Group, General Motors, and the emissions certification issued by the United States Environmental Protection Agency or the state of California, where applicable.

This incomplete vehicle, when completed, must not exceed the maximum body frontal area, listed below (specific per vehicle), and must not exceed the total Road Load Horsepower (RLHP) setting, listed below (per vehicle and weight class). To do so will invalidate the fuel economy value determined by the GM Propulsion system – Emission Compliance and Certification Group, General Motors and the emissions certification issued by the United States Environmental Protection Agency or the state of California where applicable. RLHP setting and measuring procedures are described in Mobile Source Air Pollution Control Advisory Circular number 55c, for twin roll dynamometer procedures and EPA’s Dear Manufacturer guidance letter VPCD-98-16 for single roll procedures, both of which are available from the United States Environmental Protection Agency.

### FUEL ECONOMY AND EMISSIONS TABLE

Incomplete Vehicle Type	GM Tire Size	Cold Tire Pressure Front		Cold Tire Pressure Rear		Frontal Area		RLHP Setting		Vehicle Test Weight Class		Maximum Completed Vehicle Curb Weight	
		psi	kpa	psi	kpa	ft <sup>2</sup>	m <sup>2</sup>	hp	kw	kg	lb	kg	lb
K1T	205-55-R16	38	262	38	262	25.9	2.408	12.0	8.9	1928	4250	1848	4075

NOTES: The “Vehicle Test Weight” (shown above) includes the weight of a vehicle with standard equipment, oil, lubricants, coolant also including 136 kg (300 lb) to allow for the weight of two 68 kg (150 lb) passengers.

“Maximum Completed Vehicle Curb Weight” (shown above) is defined as the weight of a “completed vehicle” with standard equipment, oil, lubricants, and coolant. Note: This definition may differ from definitions used by governmental regulatory agencies.

#### SPECIFICATION FOR FILL PIPES AND OPENINGS OF 2016 AND SUBSEQUENT MODEL MOTOR VEHICLE FUEL TANKS (APPLICABLE ONLY TO CALIFORNIA GASOLINE/GASOLINE-ETHANOL BLEND POWERED VEHICLES)

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

This incomplete vehicle, when completed, will conform to Title 13, California Code of Regulations Section 2235, and the “Specifications for Fill Pipes and Openings of 2015 and subsequent Model Year Motor Vehicle Fuel Tanks”, dated March 22, 2012, providing no alterations are made which affect the function, physical, chemical, or mechanical properties, environment, location or vital spatial clearances of the fuel filler neck.

#### LABELS

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

This incomplete vehicle, when completed, will conform to U.S. EPA, CALIFORNIA, AND CANADIAN 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 government regulation and must not be obstructed from view or defaced to impair their visibility or legibility. In addition, an EPA/DOT Fuel Economy and Environment Label may be affixed to the window glass of the incomplete vehicle as manufactured by General Motors. If equipped, the label must remain in place until the ultimate customer receives this vehicle.

# NOTES

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