

# DOCUMENT FOR INCOMPLETE VEHICLE APPLICABLE TO THE 2017 MODEL YEAR SILVERADO OR SIERRA LIGHT DUTY & HEAVY DUTY FULL-SIZE TRUCKS

General Motors, Renaissance Center

P.O. Box 300

Detroit, Michigan 48265-3000

[www.gm.com](http://www.gm.com)

## 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 and 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 either 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

For C/K Chassis Cab, refer to Part I, Chart A that follows. 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.

#### **Basic Type CK Chassis Cab Incomplete Vehicle** **TYPE: Truck**



Normally complete type C/K Pickup or Utility Vehicles that follow, along with the basic type incomplete C/K Chassis Cab above that are built with specific Regular Production Option (RPO) or Special Equipment Option (SEO), may require additional statements of applicability. If required, the additional statements will be found under each affected CMVSS and/or FMVSS Standard.

#### **Normally Complete Type CK Vehicle Types**

**Pick-up**  
**TYPE: Truck**



**Utility**  
**TYPE: Multipurpose Vehicle**



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 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 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.

On page 2 before each vehicle illustration and after the word TYPE, is a list of types of vehicles into which the incomplete vehicle is designed to be manufactured.

**If supplemental technical information is required to support this document, go to the GM Upfitter Integration 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 C/K  
CHASSIS CAB, PICK-UP, OR UTILITY  
**SEE STATEMENTS REGARDING CMVSS AND FMVSS ON PAGES THAT FOLLOW**

CMVSS NO.	FMVSS NO.	TITLE	CHASSIS CAB	PICK-UP	UTILITY
1106	-	Exterior noise	1	1	1
ICES-002	-	Canada interference causing equipment standard	1	1	1
101	101	Controls and displays	1	1	1
102	102	Transmission shift position sequence, starter interlock, and transmission braking effect	2,3	2,3	2,3
103	103	Windshield defrosting and defogging systems	1	1	1
104	104	Windshield wiping and washing systems	1	1	1
105	105	Hydraulic and electric brake systems	2	2	2
106	106	Brake hoses, hydraulic, air and vacuum	1	1	1
108	-	Daytime running lamps	1	1	1
108	108	Lamps, reflective devices and associated equipment	2,3	1	1
110	110	Tire selection and rims for motor vehicles with a GVWR of 4536 kg (10,000 lb) or less	2	2	2
111	111	Rearview mirrors	1,3	1,3	1,3
113	113	Hood latch system	1	1	1
114	114	Theft protection and rollaway prevention	1	1	1
115	-	Vehicle identification number	1	1	1
116	116	Motor vehicle brake fluids	1	1	1
118	118	Power operated window, partition and roof panel systems	1	1	1
120	120	Tire selection and rims for motor vehicles with a GVWR of more than 4536 kg (10,000 lb)	2	2	2
124	124	Accelerator control systems	1,3	1,3	1,3
-	125	Warning devices designed to be carried in motor vehicles	1	1	1
126	126	Electronic stability control systems	2	2	2
135	135	Light vehicle brake systems	2	2	2
-	138	Tire pressure monitoring systems	2	2	2
201	201	Occupant protection in interior impact	1,3	1,3	1,3
202	202A	Head restraints	1,3	1,3	1,3
203	203	Impact protection for the driver from the steering control system	1,3	1,3	1,3
204	204	Steering control rearward displacement	2,3	2,3	2,3
205	205	Glazing materials	1	1	1
206	206	Door locks and retention components	1	1	1
207	207	Seating systems	1,3	1,3	1,3
208	208	Occupant crash protection	1,2,3	1,2,3	1,2,3
209	209	Seat belt assemblies	1,3	1,3	1,3
210	210	Seat belt assembly anchorages	1,3	1,3	1,3

CMVSS NO.	FMVSS NO.	TITLE	CHASSIS CAB	PICK-UP	UTILITY
210.1	-	Tether anchorages for restraint systems	1,3	1,3	1,3
210.2	-	Lower universal anchorage systems for restraint systems and booster cushions	1,3	1,3	1,3
212	212	Windshield mounting	2	2	2
213.4	213	Built-in child restraint systems and built-in booster cushions	3	3	3
214	214	Side impact protection	2	2	2
219	219	Windshield zone intrusion	2	2	2
-	225	Child restraint anchorage systems	1,3	1,3	1,3
301	301	Fuel system integrity	2	2	2
301.1	-	LPG fuel system integrity	3	3	3
302	302	Flammability of interior materials	1,3	1,3	1,3
301.2	303	CNG fuel system integrity	3	3	3
-	304	Compressed natural gas fuel containers	3	3	3
-	403	Platform lift systems	3	3	3
-	404	Platform lift installations in motor vehicles	3	3	3

- TYPE 1, 2 or 3 numbers to the right hand side of the table above designate the appropriate paragraph in the CMVSS 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):

Air Induction System (tuning elements)  
 Alternator  
 Axles/halfshafts/propshaft  
 Components for AWD system (axle, propshaft, PTU)  
 Engine assembly  
 Exhaust System  
 Exterior noise generating devices  
 Exterior rearview mirror assemblies  
 Front of dash sound deadening material  
 Hood assembly including sound deadening material and seals

Intake system (Air Induction System (i.e. Air filter, Mass Air flow (MAF) sensor, ducts))  
 Power steering pump  
 Powertrain control and logic  
 Powertrain cooling fan and motor assemblies  
 Radiator/condenser assembly to body seals  
 Tires (including correct tire pressure)  
 Transmission/Transaxle assembly  
 Underbody shields including air deflector  
 Wheel house 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:

Ignition coil(s)  
Ignition wires & plugs

Spark plug wires  
VCM/PCM/ECM/TCM

**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

**FMVSS 101 – CONTROLS AND DISPLAYS**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**CMVSS 101– CONTROLS AND DISPLAYS**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**with a GVWR less than 4536 kg (10,000 lb)**

**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. If the driver's seat is installed by the intermediate or final stage manufacturer, the "H" point must be located as shown in the "Body Builder Manuals" on the **GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**

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)  
Clearance lamps (switch)  
Clutch pedal  
Driver's sunvisor  
Engine start  
Engine stop  
Electronic stability control system "off"  
Hand throttle  
Hazard warning signal  
Hazard warning switch  
Headlamps  
Headlamp high or low beam switch  
Heating and air conditioning fan  
Heating and air conditioning system  
Horn  
Identification lamps (switch)

Ignition (switch)  
Illumination intensity  
Manual choke  
Master lighting switch  
Position, side marker, end-outline marker, identification or clearance lamps  
Rear window defogging and defrosting systems  
Steering wheel  
Tail lamps  
Transaxle/transmission shifter (except transfer case)  
Turn signal  
Windshield defogging and defrosting systems  
Windshield washer (washing system)  
Windshield wiper (wiping system)

Foot operated controls (if equipped):

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

Displays (if equipped):

Air brake low pressure	Headlamp high beam
Air bag system readiness	High beam
Antilock brake system malfunction	Low brake air pressure telltale
Battery charging condition	Low brake fluid condition
Brake lining wear-out condition	Low tire pressure indication (see MVSS 138)
Brake system malfunction (Canada - ISO symbol)	Odometer (Canada must be metric)
Brake Pressure (system loss)	Parking brake applied
Electrical charge	Passenger air bag status
Electronic stability control system "off"	Regenerative brake system malfunction
Electronic stability control system malfunction	Seat belt (unfastened telltale)
Engine coolant temperature	Speedometer (Canada must be metric)
Engine oil pressure	Tire pressure monitoring system malfunction
Fuel level	Transmission control position
Gross loss of brake pressure condition	Turn signal(s)
Hazard warning signal	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 101 – CONTROLS AND DISPLAYS**  
**Applies to all types of Incomplete Vehicles contained in this Document**  
**with a GVWR greater than 4536 kg (10,000 lb)**

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

This incomplete vehicle, when completed, will conform to the controls portion of CMVSS 101 providing no alterations are made which affect the size, location, identification or illumination of the controls and or the location, travel and type of driver's seat, as manufactured by General Motors. If the driver's seat is installed by the intermediate or final stage manufacturer, the "H" point must be located as shown in the **GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**

The following controls must be operable 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 system	Ignition (switch)
Clearance lamps (switch)	Illumination intensity
Clutch pedal	Manual choke
Driver's sunvisor	Master lighting switch
Engine start	Park brake (pedal)
Engine stop	Rear window defrosting and defogging systems
Hand throttle	Service brake (pedal)
Hazard warning signal	Steering wheel
Hazard warning switch	Tail lamp
Headlamp	Transaxle/transmission shifter (except transfer case)
Headlamp high or low beam switch	Turn signal
Heating and air conditioning fan	Windshield defrosting and defogging systems
High beam	Windshield washer (washing system)
Horn	Windshield wiper (wiping system)
Identification lamps (switch)	

Foot operated controls (if equipped):

Accelerator  
Clutch  
Headlamp high or low beam switch  
High beam  
Park brake (pedal)

Service brake (pedal)  
Tail lamp  
Windshield washer (washing system)  
Windshield wiper (wiping system)

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

### **CMVSS 102 and FMVSS 102 – TRANSMISSION SHIFT POSITION SEQUENCE, STARTER INTERLOCK, AND TRANSMISSION BRAKING EFFECT** **Refer to Vehicle Types, and Applicable “Mobility” Statements that follow**

**TYPE 2 The following statement is applicable to all incomplete vehicle types contained in this document and not equipped with a Mobility Package (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  
AT gear ratios and final drive ratio  
AT gear shift sequence and control logic (electrical or mechanical)  
AT neutral safety switch assembly and wire  
AT position indicator linkage and display  
AT steering column assembly

Automatic transmission/transaxle assembly  
Brake - AT interlock controls  
Engine starter interlock controls  
MT clutch-starter interlock system  
AT or MT shift position pattern (knob, plate or label)  
Vehicle wiring harnesses

**TYPE 3 The following statement is applicable to all incomplete vehicle types contained in this document and equipped with a Mobility Package (unless otherwise noted on the cover).**

Conformity with CMVSS 102 and FMVSS 102 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

### **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  
Defroster air distributor assembly (manifold)  
Defroster air duct assembly  
Defroster air hoses (distributor to nozzle)  
Defroster air to windshield outlet assembly (nozzle) (it affects blower speed)  
Defroster outlet to heater assembly adapter

Heater and air conditioning wiring harness  
Heater and defroster assembly (including motor and blower)  
Heater and defroster control (electrical, mechanical, vacuum)  
Heater and radiator hoses/hose assemblies  
Heater blower motor speed control  
Side window defroster ducts



Engine control, software and calibration  
Engine coolant pump  
Engine water outlet thermostat assembly

Vacuum control hoses and electric actuators  
Windshield assembly

## **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 105 and FMVSS 105 – HYDRAULIC AND ELECTRIC BRAKE SYSTEMS**

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

### **Greater than 3500 kg (7,716 lb) GVWR**

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

This incomplete vehicle when completed will conform to CMVSS 105 and FMVSS 105 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 (if equipped):

Anti-Lock Brake System	Hydraulic brake lines, fittings and routings
Brake assemblies and components (service/ parking) - (power boosters, master cylinder, wheel cylinder, calipers, wheel speed sensor, wheel speed sensor wiring, brake lining, etc.)	Hydraulic brake valves and components
Brake pedal, brake switch, parking brake pedal or park brake switch and related mechanical components	Master cylinder-warning statement
Brake system electrical controls and logic	Parking brake actuator and related mechanical components
Gauges and warning devices, and statements	Power steering or vacuum lines and routing
Hydraulic brake fluid and reservoirs	Power steering or vacuum pump
	Shocks, springs and other suspension components
	Tires and Wheels
	Vacuum brake lines, fittings and routings
	Vehicle wiring harnesses
	Wheelbases

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 center of gravity of the total vehicle falls within the areas referenced on the "ALLOWABLE CENTER OF GRAVITY CHART" that follows. Instructions for determining the allowable center of gravity variation are listed below:

These charts detail the envelope of allowable center of gravity variation for completed vehicles. This is significant for the lightly loaded portion of FMVSS 105, which is defined as curb plus 181.4 kg (400 lb) distributed

in the driver-passenger area of the vehicle for vehicles with GVWR of 4536 kg (10,000 lb) or less or as curb plus 226.8 kg (500 lb) distributed in the driver-passenger area of the vehicle for vehicles with GVWR greater than 4536 kg (10,000 lb).

The lightly loaded center of gravity of complete vehicles needs to be restricted so it will meet FMVSS 105 stopping distances. The laden center of gravity does not need to be specified as it is controlled within the CMVSS 105 and FMVSS 105 test procedure by specific instructions as to how ballast is to be placed (while height is not controlled, it is assumed that for test purposes it would be reasonable).

For upfitter use, the center of gravity location can be approximated by the following formula:

$$d = \frac{[W_{rc} + W_{rb} + [(H_p)(W_p)/WB]] WB}{W_t}$$

$$h = \frac{[h_1 W_c + h_2 W_b + (h_3)(W_p)]}{W_t}$$

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

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

W<sub>rc</sub> = rear component of Chassis weight kg (lb)

W<sub>rb</sub> = rear component of body weight kg (lb)

WB = vehicle wheelbase mm (in)

W<sub>t</sub> = total weight of chassis and body kg (lb) plus 181.4 kg (400 lb) for vehicles with GVWR of 4536 kg (10,000 lb) or less.

W<sub>t</sub> = total weight of chassis and body kg (lb) plus 226.8 kg (500 lb) for vehicles with GVWR greater than 4536 kg (10,000 lb).

h<sub>1</sub> = center of gravity height from ground of the Bare Chassis = 743 mm (29.25 in)

W<sub>c</sub> = total weight of Chassis kg (lb)

h<sub>2</sub> = center of gravity height of body from ground mm (in)

W<sub>b</sub> = total weight of body kg (lb)

W<sub>p</sub> = 181.4 kg (400 lb) Amount from lightly loaded definition that is evenly distributed in driver-passenger area of vehicle for vehicles with GVWR of 4536 kg (10,000 lb) or less.

W<sub>p</sub> = 226.8 kg (500 lb) Amount from lightly loaded definition that is evenly distributed in driver-passenger area of vehicle for vehicles with GVWR greater than 4536 kg (10,000 lb).

H<sub>p</sub> = 1482 mm (58.35 in) Horizontal distance from front axle to center of gravity of 181.4 kg (400 lb) or 226.8 kg (500 lb) evenly distributed in driver-passenger area of vehicle.

h<sub>3</sub> = 1013 mm (39.88 in) Vertical center of gravity height of 181.4 kg (400 lb) evenly distributed in driver-passenger area for vehicles with GVWR of 4536 kg (10,000 lb) or less.

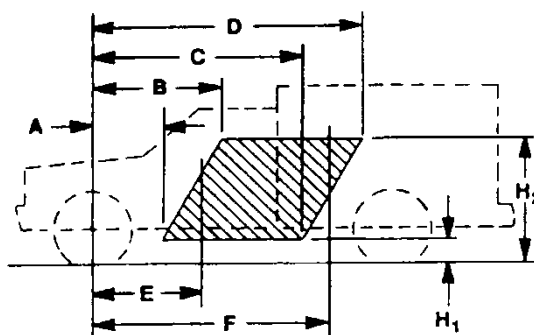
h<sub>3</sub> = 1013 mm (39.88 in) Vertical center of gravity height of 226.8 kg (500 lb) evenly distributed in driver-passenger area for vehicles with GVWR greater than 4536 kg (10,000 lb).

# CMVSS 105 and FMVSS 105 ALLOWABLE CENTER OF GRAVITY CHARTS

Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H <sub>1</sub>	H <sub>2</sub>	A	B	C	D	E	F
C25743	4309 (9,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C25743	4491 (9,900)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C25743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C25753	4309 (9,500)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
C25753	4491 (9,900)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
C25753	4536 (10,000)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
C25903	4218 (9,300)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
C25903	4491 (9,900)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
C25903	4536 (10,000)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
C25943	4309 (9,500)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C25943	4491 (9,900)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C25943	4536 (10,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C25953	4309 (9,500)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C25953	4491 (9,900)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C25953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C35743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
C35743	4763 (10,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)
C35743	5035 (11,100)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)
C35903	4717 (10,400)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
C35903	5035 (11,100)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)

Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H <sub>1</sub>	H <sub>2</sub>	A	B	C	D	E	F
C35903	5908 (13,025)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
C35903	6123 (13,500)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
C35943	4536 (10,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
C35943	4853 (10,700)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
C35943	5171 (11,400)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
C35943	5908 (13,025)	J96	4259 (157.7)	DRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
C35953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
C35953	4853 (10,700)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
C35953	5080 (11,200)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
C35953	5908 (13,025)	J96	4017 (158.2)	DRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
C36003	5987 (13,200)	J96	3493 (137.5)	DRW	304.8 (12.0)	1219.2 (48.0)	968 (38.1)	1180 (46.5)	2666 (105.0)	2877 (113.3)	1153 (45.4)	2619 (103.1)
C36043	5987 (13,200)	J96	4356 (171.5)	DRW	304.8 (12.0)	1219.2 (48.0)	1190 (46.9)	1402 (55.2)	3307 (130.2)	3518 (138.5)	1438 (56.6)	3267 (128.6)
C36403	5987 (13,200)	J96	4115 (162.0)	DRW	304.8 (12.0)	1219.2 (48.0)	1128 (44.4)	1340 (52.8)	3128 (123.1)	3339 (131.5)	1358 (53.5)	3086 (121.5)
K25743	4309 (9,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
K25743	4491 (9,900)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
K25743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
K25753	4309 (9,500)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
K25753	4491 (9,900)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
K25753	4536 (10,000)	J95	3662 (144.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1467 (57.8)	2618 (103.1)	2871 (113.0)	1282 (50.5)	2564 (100.9)
K25903	4309 (9,500)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
K25903	4491 (9,900)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
K25943	4491 (9,900)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)

Model	GVWR kg (lb)	Brake System	Wheel- Base mm (in)	Rear Wheel	Incomplete, Pickup Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) or 226.8 kg (500 lb) as defined by CMVSS 105 and FMVSS 105 mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H <sub>1</sub>	H <sub>2</sub>	A	B	C	D	E	F
K25943	4536 (10,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1397 (55.0)	1651 (65.0)	3031 (119.3)	3284 (129.3)	1491 (58.7)	2982 (117.4)
K25953	4309 (9,500)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
K25953	4491 (9,900)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
K25953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
K35743	4536 (10,000)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1288 (50.7)	1542 (60.7)	2785 (109.6)	3039 (119.6)	1367 (53.8)	2733 (107.6)
K35743	4899 (10,800)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)
K35743	5216 (11,500)	J95	3904 (153.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1074 (42.3)	1286 (50.6)	2971 (117.0)	3182 (125.3)	1288 (50.7)	2928 (115.3)
K35903	4536 (10,000)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1131 (44.5)	1385 (54.5)	2433 (95.8)	2687 (105.8)	1188 (46.8)	2377 (93.6)
K35903	4853 (10,700)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
K35903	5171 (11,400)	J95	3395 (133.7)	SRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
K35903	5908 (13,025)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
K35903	6078 (13,400)	J96	3395 (133.7)	DRW	304.8 (12.0)	1219.2 (48.0)	943 (37.1)	1155 (45.5)	2593 (102.1)	2804 (110.4)	1120 (44.1)	2547 (100.3)
K35943	4989 (11,000)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
K35943	5262 (11,600)	J95	4259 (157.7)	SRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
K35943	5908 (13,025)	J96	4259 (157.7)	DRW	304.8 (12.0)	1219.2 (48.0)	1165 (45.9)	1377 (54.2)	3235 (127.4)	3446 (135.7)	1406 (55.4)	3195 (125.8)
K35953	4536 (10,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1323 (52.1)	1576 (62.0)	2863 (112.7)	3117 (122.7)	1406 (55.4)	2812 (110.7)
K35953	4989 (11,000)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
K35953	5262 (11,600)	J95	4017 (158.2)	SRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
K35953	5908 (13,025)	J96	4017 (158.2)	DRW	304.8 (12.0)	1219.2 (48.0)	1103 (43.4)	1315 (51.8)	3055 (120.3)	3266 (128.6)	1326 (52.2)	3013 (118.6)
K36003	5987 (13,200)	J96	3493 (137.5)	DRW	304.8 (12.0)	1219.2 (48.0)	968 (38.1)	1180 (46.5)	2666 (105.0)	2877 (113.3)	1153 (45.4)	2619 (103.1)
K36043	5987 (13,200)	J96	4356 (171.5)	DRW	304.8 (12.0)	1219.2 (48.0)	1190 (46.9)	1402 (55.2)	3307 (130.2)	3518 (138.5)	1438 (56.6)	3267 (128.6)
K36403	5987 (13,200)	J96	4115 (162.0)	DRW	304.8 (12.0)	1219.2 (48.0)	1128 (44.4)	1340 (52.8)	3128 (123.1)	3339 (131.5)	1358 (53.5)	3086 (121.5)



C/G of vehicle in CMVSS or FMVSS unladen condition [Curb + 181.4 kg. (400 lb) or Curb + 226.8 kg. (500 lb) as defined by CMVSS 105 and FMVSS 105] must be inside shaded area – that is, the C/G must be within the trapezoid formed by the coordinates A, B, C, D, H1, & H2, plus the C/G must be to the rear of vertical line E and forward of vertical line F.

### **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 Vacuum Brake Hoses and  
 assemblies

Labeling requirements

### **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 CMVSS108 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** **Pick-up and Utility**

**TYPE 1** The following statement is applicable to Pick-up and Utility 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  
 Body control module (BCM)

Headlamp dimmer switch  
 Headlamp highbeam indicator

Center high mounted stop lamp  
Daytime running lamps controls and wiring (Canada)  
Fog lamps (if equipped)  
Front side marker lamps  
Front side reflex reflectors  
Front clearance lamps (if equipped)  
Front identification lamps (if equipped)  
Front turn signal lamps  
Hazard warning flasher  
Hazard warning signal operating unit  
Headlamps

License plate lamp  
Owner Manual instructions  
Park lamps  
Rear clearance lamps (if equipped)  
Rear identification lamps (if equipped)  
Rear side marker lamps  
Rear side reflex reflectors  
Rear reflex reflectors  
Rear turn signal lamps  
Stop lamps  
Tail lamps  
Turn signal control

NOTES: Pick-ups are equipped with a turn signal lamp failure feature. In order to maintain operation of the turn signal failure feature, the LH and RH taillamp assemblies must each contain two (2) operational bulbs, of the bulb designation number as manufactured by General Motors.

Utilities are equipped with a turn signal lamp failure feature. In order to maintain operation of the turn signal bulb outage feature, the LH and RH taillamp assemblies must each contain one (1) operational bulb of the bulb designation number as manufactured by General Motors.

## **CMVSS 108 and FMVSS 108 – LAMPS, REFLECTIVE DEVICES AND ASSOCIATED EQUIPMENT**

### **Chassis Cab**

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

The chassis cab incomplete vehicle, when completed, will conform to CMVSS 108 and FMVSS 108 providing the following conditions are met:

- A. Each of these devices installed on the incomplete vehicle have no alterations 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  
Body control module (BCM)  
Center high mounted stop lamp  
Daytime running lamps controls and wiring (Canada)  
Fog lamps (if equipped)  
Front side marker lamps  
Front side reflex reflectors  
Front clearance lamps (if equipped and located as near as practicable to the upper left and right extreme edges)  
Front identification lamps (if equipped and located at the highest point of the vehicle)  
Front turn signal lamps

Hazard warning flasher  
Hazard warning signal operating unit  
Headlamps  
Headlamp dimmer switch  
Headlamp highbeam indicator  
License plate lamp  
Owner manual instructions  
Park lamps  
Rear reflex reflectors  
Rear turn signal lamps  
Stop lamps  
Tail lamps  
Turn signal control

1. No part of the completed vehicle shall be installed so as to prevent any of the devices listed 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 CMVSS 108 and FMVSS 108. Any CMVSS 108 or FMVSS 108 part shall not be painted.
2. The following additional devices must be installed on the body and meet all requirements of CMVSS 108 and FMVSS 108:

Rear side marker lamps

Rear side reflex reflectors

3. The following additional device must be installed on the body and meet all requirements of CMVSS 108 and FMVSS 108 if the body width is less than 203.2 cm (80 in) and has a GVWR of 4536 kg (10,000 lb) or less and the original equipment center high mounted stop lamp has been removed or obstructed:

Center high mounted stop lamp

4. The following additional devices must be installed on the body and meet all requirements of CMVSS 108 and FMVSS 108 if the body width is greater than or equal to 203.2 cm (80 in):

Front clearance lamps (if body is wider than the  
cab mounted lamps)  
Front identification lamps (if the body is higher  
than cab mounted lamps)

Rear clearance lamps  
Rear identification lamps

5. The following additional devices must be installed on the body and meet all requirements of CMVSS 108 and FMVSS 108 if the overall vehicle length is greater than or equal to 9.144 m (30 ft):

Intermediate side marker lamps

Intermediate side reflex reflectors

- B. 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 in A, 1, above.

**TYPE 3 The following statement is applicable to the turn signal lamp failure requirements for Chassis Cab types of incomplete vehicles contained in this document and completed with a body width less than 203.2 cm (80 in), and not equipped to tow a trailer. (unless otherwise noted on the cover).**

Conformity with CMVSS 108 and FMVSS 108 turn signal lamp failure requirements cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

## **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 on the Incomplete Vehicle Label affixed to the front cover of this document are not exceeded.
- C. The tire and wheel information shown on the Incomplete Vehicle Document Label must be transferred to the final stage manufacturer's Certification Label and Tire Placard, providing no equipment or tire pressure changes are made, and the final stage manufacturer labels the vehicle in compliance with CMVSS 110 and FMVSS 110.

**NOTE:** Incomplete Vehicles referenced in this document may be shipped with reduced tire pressures for shipping purposes only.



**CMVSS 111 and FMVSS 111 – REARVIEW MIRRORS**  
**Applies to all types of Incomplete Vehicles contained in this Document**  
**Without Shipped Loose Mirror, or Mirror Delete options**

**TYPE 1** The following statement is applicable to all types of incomplete vehicles contained in this document, without shipped loose mirror or mirror delete options (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 – REARVIEW MIRRORS**  
**Applies to all types of Incomplete Vehicles contained in this Document**  
**With Shipped Loose Mirror, or Mirror Delete Options**

**TYPE 3** The following statement is applicable to all types of incomplete vehicles contained in this document with shipped loose mirror, or mirror delete options (unless otherwise noted on the cover).

Conformity with CMVSS 111 and FMVSS 111 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**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:

- |   |                               |
|---|-------------------------------|
| Brake-transaxle/transmission interlock controls | Owner Manual instructions     |
| Electronic Immobilizer                          | Steering column lock assembly |

Engine electronics (ECM/PCM/VCM)  
Engine starter interlock controls  
Ignition key  
Ignition key warning chime system

Transaxle/Transmission assembly  
Transaxle/Transmission assembly neutral start  
switch and wiring

**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:

Vehicle Identification Number  
VIN label or plate

VIN plate fasteners

**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 kg (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:

Power window electrical system  
Power window operating system

Power window operating system control logic  
Window glazing material

Final compliance with CMVSS118 and FMVSS 118 is the responsibility of the final stage manufacturer for any modifications, or added material, components, or systems.

**CMVSS 120 and FMVSS 120 – TIRE SELECTION AND RIMS FOR MOTOR VEHICLES WITH A  
GVWR OF MORE THAN 4536 kg (10,000 lb)**  
**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 120 and FMVSS 120, 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:

- B. GVWR, GAWR front and rear weight ratings as listed on the Incomplete Vehicle Label affixed to the front cover of this document are not exceeded.
- C. The tire and wheel information shown on the Incomplete Vehicle Document Label must be transferred to the final stage manufacturer's Certification Label providing no equipment or tire pressure changes are made, and the final stage manufacturer labels the vehicle in compliance with CMVSS 120 and FMVSS 120.

NOTE: Incomplete Vehicles referenced in this document may be shipped with reduced tire pressures for shipping purposes only.

### **CMVSS 124 and FMVSS 124 – ACCELERATOR CONTROL SYSTEMS** **Refer to Vehicle Types, and Applicable “Mobility” Statements that follow**

**TYPE 1** The following statement is applicable to all incomplete vehicle types contained in this document and not equipped with a Mobility Package (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/throttle control systems, including but not limited to:

Attachment pin, hole or ball stud to fuel injection unit throttle lever	Engine controller (controller, software, calibration)
Cable or rod, throttle or accelerator, and support bracket including seals	Floor covering material must not be installed under pedal or within 25.4 mm (1 in) of side of pedal
Cruise control module, wiring and cable (if equipped)	Lever, throttle or accelerator and supporting bracket
Electronic throttle control assembly and related wiring	Pedal-throttle or accelerator and attachments
	Spring(s) - throttle or accelerator return

**TYPE 3** The following statement is applicable to all incomplete vehicle types contained in this document and equipped with a Mobility Package (unless otherwise noted on the cover).

Conformity with CMVSS 124 and FMVSS 124 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

### **FMVSS 125 – WARNING DEVICES DESIGNED TO BE CARRIED IN MOTOR VEHICLES** **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 if ordered with safety warning triangle option (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to FMVSS 125 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:

Safety warning triangles (if equipped)

**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	Master cylinder-warning statement
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.)	Owner Manual instructions
Brake pedal, brake switch, parking brake hand lever or park brake switch and related mechanical components	Parking brake actuator and related mechanical components
Brake system electrical controls and logic	Power steering or vacuum lines and routing
Gauges and warning devices, and statements	Power steering or vacuum pump
Hydraulic brake fluid and reservoirs	Tires and Wheels
Hydraulic brake lines, fittings and routings	Stability control system, including control module, sensors and software calibrations
Hydraulic brake valves and components	Steering control system including related hardware
	Suspension components (i.e. bushings, control arms, shocks, springs, sway bars)
	Vacuum brake lines, fittings and routings
	Vehicle wiring harnesses
	Wheelbases

- 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 on the Incomplete Vehicle Label affixed to the front cover of this document must be followed
- D. The Maximum Completed Vehicle Unloaded (Curb) restrictions as shown in CMVSS301 and FMVSS 301 Table A, 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:

<b>K2XX LD C/K 15903 (Regular Cab), Bridgestone Dueler AT LT265/70R17 (RC5) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
140 (55.1)	C15903	80.3 (33.68)	83.1 (34.66)	83.1 (35.65)	83.1 (34.66)	80.3 (33.68)
	K15903	80.3 (33.68)	83.1 (34.66)	83.1 (35.65)	83.1 (34.66)	80.3 (33.68)
150 (59.1)	C15903	80.3 (33.68)	87.6 (34.66)	88.5 (35.65)	87.6 (34.66)	80.3 (33.68)
	K15903	80.3 (33.68)	87.6 (34.66)	88.5 (35.65)	87.6 (34.66)	80.3 (33.68)
160 (63.0)	C15903	84.9 (33.68)	92.1 (34.66)	93.9 (35.65)	92.1 (34.66)	84.9 (33.68)
	K15903	84.9 (33.68)	92.1 (34.66)	93.9 (35.65)	92.1 (34.66)	84.9 (33.68)
170 (66.9)	C15903	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)
	K15903	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)
180 (70.9)	C15903	88.5 (35.80)	88.5 (36.43)	91.2 (35.65)	88.5 (35.80)	88.5 (36.43)
	K15903	88.5 (35.80)	88.5 (36.43)	91.2 (35.65)	88.5 (35.80)	88.5 (36.43)
190 (74.8)	C15903	88.5 (35.80)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	88.5 (35.80)
	K15903	88.5 (35.80)	91.2 (35.65)	91.2 (35.65)	91.2 (35.65)	88.5 (35.80)
200 (78.7)	C15903	74.9 (35.80)	82.2 (35.80)	87.1 (34.31)	82.2 (35.80)	74.9 (35.80)
	K15903	74.9 (35.80)	82.2 (35.80)	87.1 (34.31)	82.2 (35.80)	74.9 (35.80)
210 (82.7)	C15903	74.9 (35.80)	74.9 (36.43)	74.9 (37.22)	74.9 (36.43)	74.9 (35.80)
	K15903	74.9 (35.80)	74.9 (36.43)	74.9 (37.22)	74.9 (36.43)	74.9 (35.80)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

<b>K2XX HD C/K 25903 (Regular Cab)</b> <b>Firestone Transforce HT ALS LT245/75R17/E (QHJ) Tire</b> <b>Bridgestone Duravis M700 AT LT265/70R17/E (QXT) Tire</b> <b>Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
140 (55.1)	C25903	86.7 (34.1)	90.5 (35.6)	91.5 (36.0)	90.5 (35.6)	86.7 (34.1)
	K25903	86.7 (34.1)	90.5 (35.6)	91.5 (36.0)	90.5 (35.6)	86.7 (34.1)
150 (59.1)	C25903	86.7 (34.1)	90.5 (35.6)	93.3 (36.7)	90.5 (35.6)	86.7 (34.1)
	K25903	86.7 (34.1)	90.5 (35.6)	93.3 (36.7)	90.5 (35.6)	86.7 (34.1)
160 (63.0)	C25903	91.0 (35.8)	92.3 (36.4)	94.9 (37.4)	92.3 (36.4)	91.0 (35.8)
	K25903	91.0 (35.8)	92.3 (36.4)	94.9 (37.4)	92.3 (36.4)	91.0 (35.8)
170 (66.9)	C25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
	K25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
180 (70.9)	C25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
	K25903	91.0 (35.8)	94.0 (37.0)	94.9 (37.4)	94.0 (37.0)	91.0 (35.8)
190 (74.8)	C25903	82.5 (32.5)	89.0 (35.1)	95.5 (37.6)	89.0 (35.1)	82.5 (32.5)
	K25903	82.5 (32.5)	89.0 (35.1)	95.5 (37.6)	89.0 (35.1)	82.5 (32.5)
200 (78.7)	C25903	82.5 (32.5)	89.0 (35.1)	95.5 (37.6)	89.0 (35.1)	82.5 (32.5)
	K25903	82.5 (32.5)	89.0 (35.1)	95.5 (37.6)	89.0 (35.1)	82.5 (32.5)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

<b>K2XX HD C/K 25903 (Regular Cab)</b> <b>Michelin LTX AT2 LT265/70R18/E (QGM) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
140 (55.1)	C25903	81.7 (32.2)	86.5 (34.1)	86.5 (34.1)	86.5 (34.1)	81.7 (32.2)
	K25903	81.7 (32.2)	86.5 (34.1)	86.5 (34.1)	86.5 (34.1)	81.7 (32.2)
150 (59.1)	C25903	86.5 (34.1)	86.5 (34.1)	88.2 (34.7)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	88.2 (34.7)	86.5 (34.1)	86.5 (34.1)
160 (63.0)	C25903	86.5 (34.1)	90.0 (35.4)	90.0 (35.4)	90.0 (35.4)	86.5 (34.1)
	K25903	86.5 (34.1)	90.0 (35.4)	90.0 (35.4)	90.0 (35.4)	86.5 (34.1)
170 (66.9)	C25903	86.5 (34.1)	89.0 (35.1)	91.8 (36.2)	89.0 (35.1)	86.5 (34.1)
	K25903	86.5 (34.1)	89.0 (35.1)	91.8 (36.2)	89.0 (35.1)	86.5 (34.1)
180 (70.9)	C25903	86.5 (34.1)	86.5 (34.1)	92.6 (36.5)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	92.6 (36.5)	86.5 (34.1)	86.5 (34.1)
190 (74.8)	C25903	86.5 (34.1)	86.5 (34.1)	89.7 (35.3)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	89.7 (35.3)	86.5 (34.1)	86.5 (34.1)
200 (78.7)	C25903	86.5 (34.1)	86.5 (34.1)	88.6 (34.9)	86.5 (34.1)	86.5 (34.1)
	K25903	86.5 (34.1)	86.5 (34.1)	88.6 (34.9)	86.5 (34.1)	86.5 (34.1)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

<b>K2XX HD C/K 25943 (Crew Cab)</b> <b>Firestone Transforce HT ALS LT245/75R17/E (QHQB) Tire</b> <b>Bridgestone Duravis M700 AT LT265/70R17/E (QXT) Tire</b> <b>Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
160 (63.0)	C25943	84.5 (33.3)	87.0 (34.3)	87.5 (34.5)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	87.5 (34.5)	87.0 (34.3)	84.5 (33.3)
170 (66.9)	C25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
180 (70.9)	C25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
190 (74.8)	C25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
	K25943	84.5 (33.3)	87.0 (34.3)	89.5 (35.3)	87.0 (34.3)	84.5 (33.3)
200 (78.7)	C25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
	K25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
210 (82.7)	C25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
	K25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
220 (86.6)	C25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
	K25943	89.5 (35.3)	91.5 (36.0)	93.5 (36.8)	91.5 (36.0)	89.5 (35.3)
230 (90.6)	C25943	89.5 (35.3)	89.5 (35.3)	93.5 (36.8)	89.5 (35.3)	89.5 (35.3)
	K25943	89.5 (35.3)	89.5 (35.3)	93.5 (36.8)	89.5 (35.3)	89.5 (35.3)
240 (94.5)	C25943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
	K25943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						



<b>K2XX HD C/K 25943 (Crew Cab)</b> <b>Michelin LTX AT2 LT265/70R18/E (QGM) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
160 (63.0)	C25943	82.0 (32.3)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	82.0 (32.3)
	K25943	82.0 (32.3)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	82.0 (32.3)
170 (66.9)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
180 (70.9)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
190 (74.8)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
200 (78.7)	C25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
	K25943	83.5 (32.9)	84.8 (33.4)	84.8 (33.4)	84.8 (33.4)	83.5 (32.9)
210 (82.7)	C25943	83.5 (32.9)	88.1 (34.7)	85.5 (33.7)	88.1 (34.7)	83.5 (32.9)
	K25943	83.5 (32.9)	88.1 (34.7)	85.5 (33.7)	88.1 (34.7)	83.5 (32.9)
220 (86.6)	C25943	83.5 (32.9)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	83.5 (32.9)
	K25943	83.5 (32.9)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	83.5 (32.9)
230 (90.6)	C25943	83.5 (32.9)	86.0 (33.9)	87.9 (34.6)	86.0 (33.9)	83.5 (32.9)
	K25943	83.5 (32.9)	86.0 (33.9)	87.9 (34.6)	86.0 (33.9)	83.5 (32.9)
240 (94.5)	C25943	83.5 (32.9)	83.5 (32.9)	84.9 (33.4)	84.0 (33.1)	83.5 (32.9)
	K25943	83.5 (32.9)	83.5 (32.9)	84.9 (33.4)	84.0 (33.1)	83.5 (32.9)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

**K2XX HD C/K 25953 (Double Cab)**  
**Firestone Transforce HT ALS LT245/75R17/E (QHQB) Tire**  
**Bridgestone Duravis M700 AT LT265/70R17/E (QXT) Tire**  
**Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire**  
**CMVSS 126 and FMVSS 126 Compliance Certification**

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

@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)	Model Identification	@ Y – Lateral CG Offset Location cm (in)				
		-10 (-3.9)	-5 (-2)	0	5 (2)	10 (3.9)
150 (59.1)	C25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
	K25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
160 (63.0)	C25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
	K25953	84.5 (33.3)	86.2 (34.0)	88.1 (34.7)	86.2 (34.0)	84.5 (33.3)
170 (66.9)	C25953	84.5 (33.3)	86.2 (34.0)	88.7 (34.9)	86.2 (34.0)	84.5 (33.3)
	K25953	84.5 (33.3)	86.2 (34.0)	88.7 (34.9)	86.2 (34.0)	84.5 (33.3)
180 (70.9)	C25953	84.9 (33.4)	87.7 (34.5)	88.7 (34.9)	87.7 (34.5)	84.9 (33.4)
	K25953	84.9 (33.4)	87.7 (34.5)	88.7 (34.9)	87.7 (34.5)	84.9 (33.4)
190 (74.8)	C25953	90.3 (35.6)	90.3 (35.6)	92.7 (36.5)	90.3 (35.6)	90.3 (35.6)
	K25953	90.3 (35.6)	90.3 (35.6)	92.7 (36.5)	90.3 (35.6)	90.3 (35.6)
200 (78.7)	C25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
	K25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
210 (82.7)	C25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
	K25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
220 (86.6)	C25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
	K25953	90.3 (35.6)	91.3 (36.0)	92.7 (36.5)	91.3 (36.0)	90.3 (35.6)
230 (90.6)	C25953	68.5 (27.0)	79.5 (31.3)	89.5 (35.3)	79.5 (31.3)	68.5 (27.0)
	K25953	68.5 (27.0)	79.5 (31.3)	89.5 (35.3)	79.5 (31.3)	68.5 (27.0)

**^^^ Maximum Z – Vertical CG Height Restriction Values ^^^**  
**NOTE: Minimum Z – Vertical Height Restriction Value**  
**is 30.5 cm (12 in) for all models above**

<b>K2XX HD C/K 25953 (Double Cab)</b> <b>Michelin LTX AT2 LT265/70R18/E (QGM) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
150 (59.1)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
160 (63.0)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
170 (66.9)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
180 (70.9)	C25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
	K25953	81.7 (32.2)	81.7 (32.2)	85.5 (33.7)	81.7 (32.2)	81.7 (32.2)
190 (74.8)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
200 (78.7)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
210 (82.7)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
220 (86.6)	C25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
	K25953	81.7 (32.2)	86.2 (34.0)	88.9 (35.0)	86.2 (34.0)	81.7 (32.2)
230 (90.6)	C25953	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)
	K25953	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)	80.1 (31.6)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

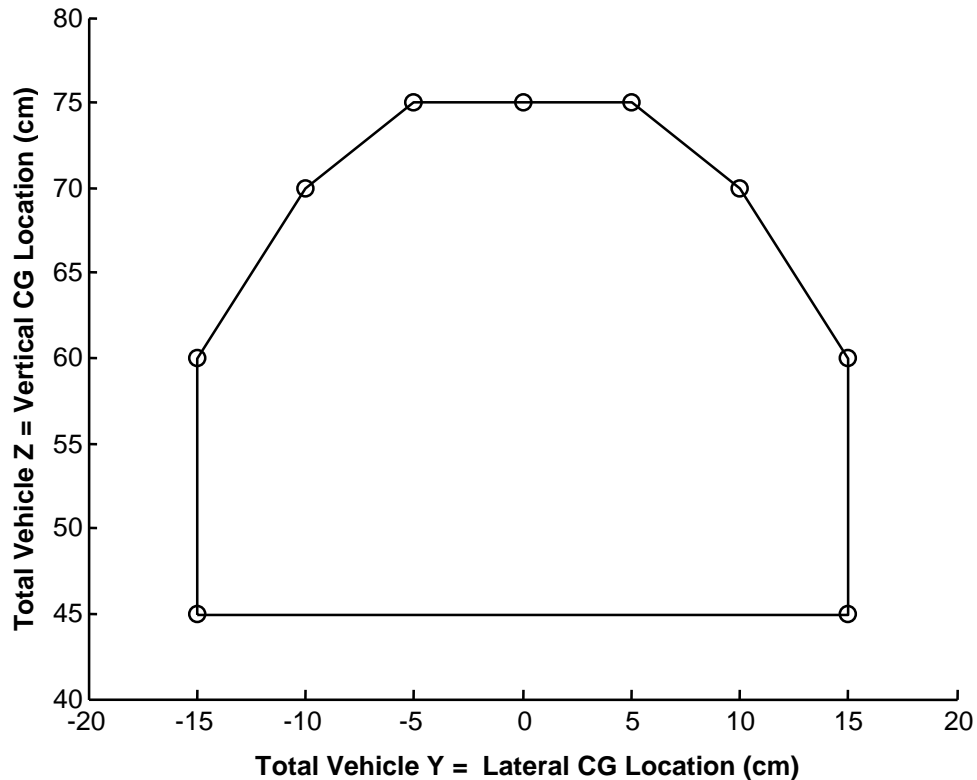
<b>K2XX HD C/K 35903 (Regular Cab)</b> <b>Michelin LTX AT2 LT265/70R18/E (QGM) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
140 (55.1)	C35903	85.7 (33.7)	87.5 (34.4)	87.5 (34.4)	87.5 (34.4)	85.7 (33.7)
	K35903	85.7 (33.7)	87.5 (34.4)	87.5 (34.4)	87.5 (34.4)	85.7 (33.7)
150 (59.1)	C35903	85.7 (33.7)	89.3 (35.2)	89.3 (35.2)	89.3 (35.2)	85.7 (33.7)
	K35903	85.7 (33.7)	89.3 (35.2)	89.3 (35.2)	89.3 (35.2)	85.7 (33.7)
160 (63.0)	C35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
	K35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
170 (66.9)	C35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
	K35903	85.7 (33.7)	92.1 (36.3)	94.0 (37.0)	92.1 (36.3)	85.7 (33.7)
180 (70.9)	C35903	85.7 (33.7)	86.6 (34.1)	94.0 (37.0)	86.6 (34.1)	85.7 (33.7)
	K35903	85.7 (33.7)	86.6 (34.1)	94.0 (37.0)	86.6 (34.1)	85.7 (33.7)
190 (74.8)	C35903	85.7 (33.7)	86.6 (34.1)	91.2 (35.9)	86.6 (34.1)	85.7 (33.7)
	K35903	85.7 (33.7)	86.6 (34.1)	91.2 (35.9)	86.6 (34.1)	85.7 (33.7)
200 (78.7)	C35903	85.7 (33.7)	86.6 (34.1)	91.2 (35.9)	86.6 (34.1)	85.7 (33.7)
	K35903	85.7 (33.7)	86.6 (34.1)	91.2 (35.9)	86.6 (34.1)	85.7 (33.7)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

<b>K2XX HD C/K 35943 (Crew Cab)</b> <b>Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
160 (63.0)	C35943	87.4 (34.4)	91.9 (36.2)	91.9 (36.2)	91.9 (36.2)	87.4 (34.4)
	K35943	87.4 (34.4)	91.9 (36.2)	91.9 (36.2)	91.9 (36.2)	87.4 (34.4)
170 (66.9)	C35943	87.4 (34.4)	94.2 (37.1)	94.2 (37.1)	94.2 (37.1)	87.4 (34.4)
	K35943	87.4 (34.4)	94.2 (37.1)	94.2 (37.1)	94.2 (37.1)	87.4 (34.4)
180 (70.9)	C35943	93.0 (36.6)	94.2 (37.1)	98.6 (38.8)	94.2 (37.1)	93.0 (36.6)
	K35943	93.0 (36.6)	94.2 (37.1)	98.6 (38.8)	94.2 (37.1)	93.0 (36.6)
190 (74.8)	C35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
	K35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
200 (78.7)	C35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
	K35943	93.0 (36.6)	97.5 (38.4)	98.6 (38.8)	97.5 (38.4)	93.0 (36.6)
210 (82.7)	C35943	93.0 (36.6)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	93.0 (36.6)
	K35943	93.0 (36.6)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	93.0 (36.6)
220 (86.6)	C35943	79.5 (31.3)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	79.5 (31.3)
	K35943	79.5 (31.3)	95.3 (37.5)	97.5 (38.4)	95.3 (37.5)	79.5 (31.3)
230 (90.6)	C35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
	K35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
240 (94.5)	C35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
	K35943	79.5 (31.3)	84.5 (33.3)	91.6 (36.1)	84.5 (33.3)	79.5 (31.3)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

<b>K2XX HD C/K 35953 (Double Cab)</b> <b>Michelin LTX AT2 LT265/70R18/E (QGM) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
150 (59.1)	C35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
	K35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
160 (63.0)	C35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
	K35953	81.2 (32.0)	81.2 (32.0)	85.5 (33.7)	81.2 (32.0)	81.2 (32.0)
170 (66.9)	C35953	82.2 (32.4)	84.4 (33.2)	85.5 (33.7)	84.4 (33.2)	82.2 (32.4)
	K35953	82.2 (32.4)	84.4 (33.2)	85.5 (33.7)	84.4 (33.2)	82.2 (32.4)
180 (70.9)	C35953	82.2 (32.4)	82.2 (32.4)	91.0 (35.8)	82.2 (32.4)	82.2 (32.4)
	K35953	82.2 (32.4)	82.2 (32.4)	91.0 (35.8)	82.2 (32.4)	82.2 (32.4)
190 (74.8)	C35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
	K35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
200 (78.7)	C35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
	K35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
210 (82.7)	C35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
	K35953	82.2 (32.4)	86.6 (34.1)	91.0 (35.8)	86.6 (34.1)	82.2 (32.4)
220 (86.6)	C35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
	K35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
230 (90.6)	C35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
	K35953	70.2 (27.6)	85.5 (33.7)	88.8 (35.0)	85.5 (33.7)	70.2 (27.6)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</b>						

<b>K2XX HD C/K 35953 (Double Cab)</b> <b>Goodyear Wrangler SR-A ALS LT265/70R18/E (QWF) Tire</b> <b>CMVSS 126 and FMVSS 126 Compliance Certification</b> <b>“X = Longitudinal, Y = Lateral and Z = Vertical Center of Gravity (CG) Restrictions”</b>						
<b>@ Maximum X Longitudinal CG Location from Front Axle CL cm (in)</b>	<b>Model Identification</b>	<b>@ Y – Lateral CG Offset Location cm (in)</b>				
		<b>-10 (-3.9)</b>	<b>-5 (-2)</b>	<b>0</b>	<b>5 (2)</b>	<b>10 (3.9)</b>
150 (59.1)	C35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
	K35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
160 (63.0)	C35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
	K35953	88.8 (35.0)	88.8 (35.0)	94.3 (37.1)	88.8 (35.0)	88.8 (35.0)
170 (66.9)	C35953	93.2 (36.7)	95.4 (37.6)	94.3 (37.1)	95.4 (37.6)	93.2 (36.7)
	K35953	93.2 (36.7)	95.4 (37.6)	94.3 (37.1)	95.4 (37.6)	93.2 (36.7)
180 (70.9)	C35953	93.2 (36.7)	95.4 (37.6)	99.8 (39.3)	95.4 (37.6)	93.2 (36.7)
	K35953	93.2 (36.7)	95.4 (37.6)	99.8 (39.3)	95.4 (37.6)	93.2 (36.7)
190 (74.8)	C35953	93.2 (36.7)	95.4 (37.6)	98.7 (38.9)	95.4 (37.6)	93.2 (36.7)
	K35953	93.2 (36.7)	95.4 (37.6)	98.7 (38.9)	95.4 (37.6)	93.2 (36.7)
200 (78.7)	C35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
	K35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
210 (82.7)	C35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
	K35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
220 (86.6)	C35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
	K35953	93.2 (36.7)	94.3 (37.1)	98.7 (38.9)	94.3 (37.1)	93.2 (36.7)
230 (90.6)	C35953	79.5 (31.3)	94.3 (37.1)	94.3 (37.1)	94.3 (37.1)	79.5 (31.3)
	K35953	79.5 (31.3)	94.3 (37.1)	94.3 (37.1)	94.3 (37.1)	79.5 (31.3)
<b>^^^ Maximum Z – Vertical CG Height Restriction Values    ^^^</b> <b>NOTE: Minimum Z – Vertical Height Restriction Value</b> <b>is 30.5 cm (12 in) for all models above</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.

$$d = \frac{[W_{rc} + W_{rb}] WB}{W_t}$$

$$h = \frac{[h_1 * W_c + h_2 * W_b]}{W_t}$$

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)

W<sub>rc</sub> = rear component of Chassis weight kg (lb)

W<sub>rb</sub> = rear component of body weight kg (lb)

WB = vehicle wheelbase cm (in)

W<sub>t</sub> = total weight of chassis and body kg (lb)

h<sub>1</sub> = center of gravity height from ground of the Bare Chassis:

Based on model applicability, refer to the h<sub>1</sub> values listed in this document within:

CMVSS 105/FMVSS 105 - HYDRAULIC AND ELECTRIC BRAKE SYSTEMS, or CMVSS 135/FMVSS 135 - LIGHT VEHICLE BRAKE SYSTEMS.

W<sub>c</sub> = total weight of vehicle as manufactured by General Motors kg (lb)

h<sub>2</sub> = center of gravity height of body from ground cm (in)

W<sub>b</sub> = 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:

$$\text{lateral offset from centerline of vehicle} = \{[(\text{RF corner weight kg (lb)} + \text{RR corner weight kg (lb)}) / (\text{total vehicle weight kg (lb)})] - 0.5\} * \text{vehicle track width of 1738 mm (68.4 in)}$$



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**  
**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 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 (if equipped):

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 pedal 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 or vacuum lines and routing
	Power steering or vacuum pump
	Tires and Wheels
	Vacuum brake lines, fittings and routings
	Vehicle wiring harnesses
	Wheelbases

- 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 center of gravity of the total vehicle falls within the areas referenced on the “ALLOWABLE CENTER OF GRAVITY CHART” that follows. Instructions for determining the allowable center of gravity variation are listed below:

These charts detail the envelope of allowable center of gravity variation for completed vehicles. This is significant for the lightly loaded portion of CMVSS 135 and FMVSS 135, which is defined as curb plus 181.4 kg (400 lb) distributed in the driver-passenger area of the vehicle.

The lightly loaded center of gravity of complete vehicles needs to be restricted so it will meet CMVSS 135 and FMVSS 135 stopping distances. The laden center of gravity does not need to be specified as it is controlled within the CMVSS 135 and FMVSS 135 test procedure by specific instructions as to how ballast is to be placed (while height is not controlled, it is assumed that for test purposes it would be reasonable).

For upfitter use, the center of gravity location can be approximated by the following formula:

$$d = \frac{[W_{rc} + W_{rb} + [(H_p)(W_p)/WB]] WB}{W_t}$$

$$h = \frac{[h_1 W_c + h_2 W_b + (h_3)(W_p)]}{W_t}$$

d	=	horizontal distance from front wheels to completed vehicle center of gravity mm (in)
h	=	vertical distance from ground to completed vehicle center of gravity mm (in)
W <sub>rc</sub>	=	rear component of Chassis weight kg (lb)
W <sub>rb</sub>	=	rear component of body weight kg (lb)
WB	=	vehicle wheelbase mm (in)

Wt	=	total weight of chassis and body kg (lb) plus 181.4 kg (400 lb)
h1	=	center of gravity height from ground of the Bare Chassis = 711 mm (28 in)
Wc	=	total weight of Chassis kg (lb)
h2	=	center of gravity height of body from ground mm (in)
Wb	=	total weight of body kg (lb)
Wp	=	181.4 kg (400 lb) Amount from lightly loaded definition that is evenly distributed in driver-passenger area of vehicle.
Hp	=	1467 mm (57.76 in) Horizontal distance from front axle to center of gravity of 181.4 kg (400 lb) evenly distributed in driver-passenger area of vehicle.
h3	=	948 mm (37.32 in) Vertical center of gravity height of 181.4 kg (400 lb) evenly distributed in driver-passenger area for vehicles with 3500 kg (7,716 lb) GVWR or less.

# CMVSS 135 and FMVSS 135

## ALLOWABLE CENTER OF GRAVITY CHART

Model	GVWR kg (lb)	Brake System	Wheel- base mm (in)	Rear Wheel	Incomplete, Pick-Up Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H <sub>1</sub>	H <sub>2</sub>	A	B	C	D	E	F
C15703	2948 (6,500)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1821 (71.7)	2413 (95.0)	1118 (44.0)	1768 (69.6)
C15703	2994 (6,600)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1798 (70.8)	2413 (95.0)	1118 (44.0)	1741 (68.5)
C15703	3039 (6,700)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1776 (69.9)	2413 (95.0)	1118 (44.0)	1804 (71.0)
C15703	3062 (6,750)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1765 (69.5)	2413 (95.0)	1118 (44.0)	1792 (70.6)
K15703	3039 (6,700)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1776 (69.9)	2413 (95.0)	1118 (44.0)	1738 (68.4)
K15703	3084 (6,800)	JD9	3023 (119.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1020 (40.2)	1373 (54.1)	1755 (69.1)	2413 (95.0)	1118 (44.0)	1711 (67.4)
C15903	3039 (6,700)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1958 (77.1)	2612 (102.8)	1250 (49.2)	1993 (78.5)
C15903	3084 (6,800)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1934 (76.1)	2611 (102.8)	1250 (49.2)	1963 (77.3)
K15903	3130 (6,900)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1911 (75.2)	2588 (101.9)	1250 (49.2)	1932 (76.1)
K15903	3175 (7,000)	JD9	3378 (133.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1130 (44.5)	1450 (57.1)	1889 (74.4)	2566 (101.0)	1250 (49.2)	1905 (75.0)
C15753	3130 (6,900)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2044 (80.5)	2721 (107.1)	1349 (53.1)	2085 (82.1)
C15753	3175 (7,000)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2020 (79.5)	2697 (106.2)	1349 (53.1)	2056 (80.9)
C15753	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)
C15753	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	2118 (83.4)
K15753	3221 (7,100)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1996 (78.6)	2673 (105.2)	1349 (53.1)	2027 (79.8)
K15753	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)
K15753	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	1946 (76.6)
K15753	3447 (7,600)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1888 (74.3)	2564 (100.9)	1349 (53.1)	2063 (81.2)
C15543	3130 (6,900)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2044 (80.5)	2721 (107.1)	1349 (53.1)	2085 (82.1)
C15543	3175 (7,000)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	2020 (79.5)	2697 (106.2)	1349 (53.1)	2056 (80.9)

Model	GVWR kg (lb)	Brake System	Wheel- base mm (in)	Rear Wheel	Incomplete, Pick-Up Box Removal, or Snow Plow Prep Package Vehicles							
					Coordinates of Allowable C/G Variation at CMVSS/FMVSS Unladen, Curb Weight + 181.4 kg (400 lb) mm (in)						Fwd C/G Limit mm (in)	RRwd C/G Limit mm (in)
					H <sub>1</sub>	H <sub>2</sub>	A	B	C	D	E	F
C15543	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)
C15543	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	2118 (83.4)
K15543	3221 (7,100)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1996 (78.6)	2673 (105.2)	1349 (53.1)	2027 (79.8)
K15543	3266 (7,200)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1974 (77.7)	2650 (104.3)	1349 (53.1)	2001 (78.8)
K15543	3357 (7,400)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1929 (75.9)	2606 (102.6)	1349 (53.1)	1946 (76.6)
K15543	3447 (7,600)	JD9	3645 (143.5)	SRW	304.8 (12.0)	1219.2 (48.0)	1213 (47.8)	1508 (59.4)	1888 (74.3)	2564 (100.9)	1349 (53.1)	2063 (81.2)
C15743	3130 (6,900)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2165 (85.2)	2841 (111.9)	1438 (56.6)	2223 (87.5)
C15743	3175 (7,000)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2139 (84.2)	2816 (110.9)	1438 (56.6)	2192 (86.3)
C15743	3266 (7,200)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2089 (82.2)	2766 (108.9)	1438 (56.6)	2134 (84.0)
C15743	3357 (7,400)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2042 (80.4)	2719 (107.0)	1438 (56.6)	2258 (88.9)
K15743	3221 (7,100)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2114 (83.2)	2790 (109.8)	1438 (56.6)	2161 (85.1)
K15743	3266 (7,200)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2089 (82.2)	2766 (108.9)	1438 (56.6)	2134 (84.0)
K15743	3357 (7,400)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	2042 (80.4)	2719 (107.0)	1438 (56.6)	2075 (81.7)
K15743	3447 (7,600)	JD9	3886 (153.0)	SRW	304.8 (12.0)	1219.2 (48.0)	1287 (50.7)	1560 (61.4)	1998 (78.7)	2675 (105.3)	1438 (56.6)	2200 (86.6)

ABS = Antilock Braking System

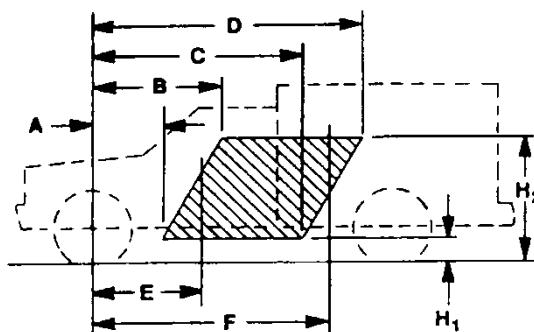
Brake Systems: Vacuum Powered Boosters - JD9

C/G = Center of Gravity

DRW = Dual Rear Wheel

SRW = Single Rear Wheel

VSES = Vehicle Stability Enhancement System



C/G of vehicle in CMVSS or FMVSS unladen condition [Curb + 181.4 kg. (400 lb)] must be inside shaded area – that is, the C/G must be within the trapezoid formed by the coordinates A, B, C, D, H1, & H2, plus the C/G must be to the rear of vertical line E and forward of vertical line F.

**FMVSS 138 – TIRE PRESSURE MONITORING SYSTEMS (If Equipped)**  
**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 (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, as manufactured by General Motors, including but not limited to those listed below (if equipped):

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 will have tire pressures set for shipping purposes only. It is 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). **If this condition is observed, go to the GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**

NOTE: The TPMS is not required to monitor the spare tire, either when it is stowed or when it is installed on the vehicle.

**CMVSS 201 and FMVSS 201 – OCCUPANT PROTECTION IN INTERIOR IMPACT**  
**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 201 and FMVSS 201 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	Interior compartment doors
Air bag system	Roof structure
Armrests, folding and stationary	Seat adjusters

Assist handles  
Body structure  
Door pads  
Door structure  
Headliner  
Instrument panel

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

**CMVSS 201 and FMVSS 201 – OCCUPANT PROTECTION IN INTERIOR IMPACT**  
**Applies to all types of Incomplete Vehicles Contained in this Document**  
**4536 kg (10,000 lb) GVWR or less**

**TYPE 3** The following statement is applicable to any type of incomplete vehicle contained in this document, 4536 kg (10,000 lb) GVWR or less, with any seat delete option that is applicable to any seating position (unless otherwise noted on the cover).

Conformity with CMVSS 201 and FMVSS 201 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

NOTE: Any seats installed by intermediate or final stage manufacturers must comply with CMVSS 201 and FMVSS 201. In addition, the “H” point of any seats installed by the intermediate or final stage manufacturers must be located as shown in the **GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**

**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 to all Seating Positions in 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 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

NOTE: If the intermediate or final stage manufacturer adds or modifies seats as manufactured by General Motors, they are also responsible to provide an addendum to the Owner Manual in order to meet FMVSS 202A requirements.

**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**  
**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) or less (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 203 and FMVSS 203 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:

Driver's seat assembly  
Instrument panel

Steering control system including related hardware  
Steering wheel, column, and shaft

**TYPE 3 The following statement is applicable to any type of incomplete vehicle contained in this document, 4536 kg (10,000 lb) GVWR or less, with any driver seat delete option (unless otherwise noted on the cover).**

Conformity with CMVSS 203 and FMVSS 203 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

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

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

**4536 kg (10,000 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 types of incomplete vehicles contained in this document, 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 providing the dimension and mass as well as other restrictions (excluding the Maximum Frontal Area) found in MVSS 301 Table A, 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, as manufactured by General Motors, 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:

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

**TYPE 3 The following statement is applicable to any type of incomplete vehicle contained in this document, 4536 kg (10,000 lb) GVWR or less, with any bumper delete option (unless otherwise noted on the cover).**

Conformity with CMVSS 204 and FMVSS 204 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

### **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**

**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 206 and 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, as manufactured by General Motors, including but not limited to those listed below:

Door and pillar systems, including but not limited to:

Body rear end upper and lower panel  
Door hinges  
Door latch strikers and striker plates  
Door latches  
Door locks  
Door pillars  
Door wedges

Doors  
Exterior door handles  
Inside lock control linkages  
Rear compartment latch and striker assembly  
Rear compartment lid assembly  
Rear compartment lid hinge assembly

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  
Folding seat or seat back latch assembly  
Seat adjuster assembly  
Seat anchorage brackets, reinforcements,  
attachment hardware, etc.

Seat assembly  
Seat or seat back latch assembly  
Seat or seat back latch release control  
Seat or seat back latch striker  
Seat riser

**TYPE 3** The following statement is applicable to any type of incomplete vehicle contained in this document, with any seat delete option that is applicable to any seating position (unless otherwise noted on the cover).

Conformity with CMVSS 207 and FMVSS 207 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

## **CMVSS 208 and FMVSS 208 – OCCUPANT CRASH PROTECTION**

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

**TYPE 1** The following statement is applicable to all types of vehicles contained in this document (unless otherwise noted on the cover) having an unloaded vehicle weight of 2495 kg (5,500 lb) or less and a GVWR of 3856 kg (8,500 lb) or less, and built by General Motors with complete seats and seat belt assemblies.

A. The front seating positions provided by General Motors will conform to the requirements of CMVSS 208 and FMVSS 208, providing the dimension and mass as well as other restrictions (excluding the Maximum Frontal Area) found in MVSS 301 Table A, 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, as manufactured by General Motors, including but not limited to those listed below:

1. The number, location or configuration of the designated seating positions including seats, risers, adjusters.
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 bolster or its mounting, the steering wheel, horn pad, driver air bag module or its mounting and covering, passenger air bag module or its mounting or covering (if equipped), air bag crash sensors, windshield, or interior trim. Note: For the "Passenger Sensing System" (if equipped), modifying or putting a padded cover on the passenger seat can affect the performance of this system.
4. Sensing and Diagnostic Module (SDM), and all air bag system wiring. Do not relocate or move the SDM, or air bag 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 sunvisor is removed or altered, or if the intermediate or final stage manufacturer installs the sunvisor, 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 sunvisor as the Air Bag Caution label. The instrument panel temporary warning label (if equipped) must not be removed.
  6. The vehicle frame, front bumper system, body structure including front sheet metal or other front structure, roof structure, doors, floor pan, dash panel, cowl structure, rocker 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.
- B. The rear seating positions provided by General Motors will conform to CMVSS 208 and FMVSS 208 providing no alterations are made to the number, location or configuration of the designated seats/seating positions or to the number, placement, installation or model number of the seat belt assemblies of this incomplete vehicle.
- C. Intermediate or final stage manufacturers are advised that mounting hardware ahead of the bumper/radiator, such as, but not limited to, plows, winches, brush guards, etc., may affect airbag sensing and resultant performance.

**TYPE 2 The following statement is applicable to all types of vehicles contained in this document (unless otherwise noted on the cover) having either an unloaded vehicle weight greater than 2495 kg (5,500 lb) or a GVWR greater than 3856 kg (8,500 lb), and built by General Motors with complete seats and seat belt assemblies.**

This incomplete vehicle, when completed, will conform to CMVSS 208 and 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, as manufactured by General Motors, including but not limited to those listed below:

Owner Manual instructions	Seat belt anchorages
Seat anchorages	Seat belt assemblies
Seat assemblies	Seat belt warning system

NOTE: For vehicles equipped with an optional Inflatable Restraint System, refer to additional information in the TYPE 2 statement immediately preceding.

**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, C, and D-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

**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 210 and FMVSS 210 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**CMVSS 210.1 – TETHER ANCHORAGES FOR RESTRAINT SYSTEMS**  
**Applies to all types of Incomplete Vehicles Contained in this Document to be completed as a Multipurpose Passenger Vehicle or Truck with a 3856 kg (8,500 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 multipurpose passenger vehicle or truck types of incomplete vehicles contained in this document with a 3856 kg (8500 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 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 lower and top tether anchorages, seat brackets, plates and reinforcements	Owner Manual instructions
Access to lower anchorage system	Seat assemblies
Floor pan assembly	Seat belt assemblies
Head restraints / head rest	Seat belt anchorage brackets, plates, and reinforcements
Labeling requirements	Seat belt routing
	Seat position/adjustment capability

**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 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 210.2 – LOWER UNIVERSAL ANCHORAGE SYSTEMS  
FOR RESTRAINT SYSTEMS AND BOOSTER CUSHIONS**  
**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 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 210.2 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:

Airbag manual cut-off switch (if equipped)	Owner Manual instructions
Child restraint system including lower and top tether anchorages, seat brackets, plates and reinforcements	Seat assemblies
Access to lower anchorage system	Seat belt assemblies
Floor pan assembly	Seat belt anchorage brackets, plates, and reinforcements
Labeling requirements	Seat belt routing
	Seat position/adjustment capability

**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 210.2 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**  
**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 (unless otherwise noted on the cover) with a 4536 kg (10,000 lb) GVWR or less, when completed will conform to CMVSS 212 and FMVSS 212 if:

- A. 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:

Airbag crash sensors  
 Airbag system including covers and module  
 Airbag system wiring harnesses, connectors, and fuses/relays  
 Dash panel and cowl assembly  
 Doors and hinge assemblies  
 Frame assembly and mounting system  
 Front impact bar assembly and mounting system  
 Hood and hinge assemblies  
 Powertrain and powertrain mounting system  
 Seat anchorages  
 Seat assemblies  
 Seat belt anchorages

Seat belt assemblies  
 Sensing and Diagnostic Module (SDM) and retainers/brackets  
 Steering control system including related hardware  
 Steering wheel, column, and shaft assembly  
 Sunvisor assemblies  
 Vehicle/body front sheet metal components/reinforcements  
 Vehicle/body front structural components/reinforcements  
 Vehicle/body roof structure and components  
 Windshield and windshield mounting system  
 Windshield frame/frame reinforcement

During a 48 kph (30 mph) frontal barrier impact test, no component installed by any intermediate or final stage manufacturer shall move forward from its permanently mounted position.

B. The following statements apply to only Chassis Cab and Pick-up types of incomplete vehicles:

1. The dimension and mass as well as other restrictions (excluding the Maximum Frontal Area) found in MVSS 301 Table A, are not exceeded.
2. The minimum vertical clearance between the cab roof and any portion of the installed body or accessories that extends over the cab roof must not be less than 20 cm (8 in).

### **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 and Oblique**

#### **2722 kg (6,000 lb) or less – Dynamic**

**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 for static requirements, and with a 2722 kg (6,000 lb) GVWR or less for dynamic requirements (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 214 and FMVSS 214 providing:

- A. 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:

Airbag crash sensors  
 Airbag system including covers and module  
 Airbag system wiring harnesses, connectors, and fuses/relays  
 Body structure including roof structure and components  
 Body sheet metal components/reinforcements  
 Front door assemblies  
 Front door hinges  
 Front door latch mechanisms  
 Front door latch strikers and striker plates

Front door trim panels  
 Front door wedges  
 Front door window mechanisms  
 Front seat air bags  
 Front seat anchorages  
 Front seat assemblies  
 Front seat belt anchorages  
 Front seat belt assemblies  
 Sensing and Diagnostic Module (SDM) and retainers/brackets  
 Side curtain airbag system (if equipped)

Front door latches  
Front door pillars

Tires and Wheels  
Upper interior trim including headliner  
Vehicle frame

B. The (intermediate and) final stage manufacturer conforms to the following:

1. a box, platform, or other rear structural assembly must be installed on the back of the vehicle.
2. the rear assembly structure must provide comparable stiffness to the pickup box sold as original equipment as part of the complete vehicle version of this product.
3. the method of rear assembly structure mounting and mount properties (material and structural) are similar to those used to attach the pickup box sold as original equipment as part of the complete vehicle version of this product.
4. the dimension and mass as well as other restrictions (excluding the Maximum Frontal Area) found in MVSS 301 Table A, are not exceeded.

**CMVSS 219 and FMVSS 219 – WINDSHIELD ZONE INTRUSION**  
**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 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 219 and FMVSS 219 providing:

A. 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:

Antennae	Hood assembly
Body roof structure and components/ reinforcements	Hood mounts
Body sheet metal components/reinforcements	Motor compartment structure and components
Body structural components/reinforcements	Windshield wiper
Dash panel and cowl structure	Windshield wiper motor

B. The dimension and mass as well as other restrictions (excluding the Maximum Frontal Area) found in MVSS 301 Table A, are not exceeded.

C. 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.

**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 1** The following statements are 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 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:

Airbag manual cut-off switch (if equipped)  
 Child restraint system including lower and top tether anchorages, seat brackets, plates and reinforcements  
 Access to top tether and lower 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

**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 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 301 and FMVSS 301 – FUEL SYSTEM INTEGRITY** **Refer to Vehicle Types, GVWRs, and Applicable Statements that follow**

**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 with any Incomplete Option (unless otherwise noted on the cover).

This incomplete vehicle, when completed, will conform to CMVSS 301 and FMVSS 301 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:

Fuel filler door assembly  
 Fuel filter  
 Fuel hose shields  
 Fuel pipes and hose assemblies  
 Fuel system  
 Fuel system attaching or protective structure  
 Fuel system control module  
 Fuel system fasteners and retainers  
 Fuel tank assembly  
 Fuel tank cap assembly  
 Fuel tank filler neck hose

Fuel tank filler neck/pipe assembly  
 Fuel tank filler neck/pipe fasteners  
 Fuel tank filler neck/pipe hose clamp/clamp assembly  
 Fuel tank filler neck/pipe housing assembly  
 Fuel tank filler neck/pipe plate  
 Fuel tank filler neck/pipe vent hose  
 Fuel tank filler neck/pipe vent hose clamp/strap  
 Fuel tank meter assembly  
 Fuel tank shields  
 Fuel vapor lines and canister assembly

B. The (intermediate and) final stage manufacturer conforms to the following:

1. a box, platform, or other rear structural assembly must be installed on the back of the vehicle.
2. the rear assembly structure must provide comparable stiffness to the pickup box sold as original equipment as part of the complete vehicle version of this product.
3. the method of rear assembly structure mounting and mount properties (material and structural) are similar to those used to attach the pickup box sold as original equipment as part of the complete vehicle version of this product.
4. The dimension and mass as well as other restrictions (excluding the Maximum Frontal Area) found in MVSS 301 Table A, are not exceeded.

C. This incomplete vehicle, when completed, will conform to CMVSS 301 and FMVSS 301 Fuel System Integrity if:

1. No alterations are made to the fuel system and attaching or protective structure, the contents or arrangement of the engine compartment, the powertrain and driveline, the cab structure, the chassis structure, the bumper system, door structure, or tires and wheels.

2. The dimension and mass as well as other restrictions (excluding the Maximum Frontal Area) found in MVSS 301 Table A, are not exceeded.
3. The final stage manufacturer completes the fuel filler neck and fuel level sender installation(s) according to “Best Practices” or “Special Applications (if applicable)” sections found within the Body Builder Manuals on **the GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**
4. During all barrier impact tests:
  - a. No component installed by any intermediate or final stage manufacturer impinges or causes distortion to the fuel system with sufficient energy to puncture or separate the fuel system.
  - b. No vehicle modification by any intermediate or final stage manufacturer results in any portion of the vehicle impinging upon or causing distortion to the fuel system with sufficient energy to puncture or separate the fuel system. Care should be taken that the structural integrity of the vehicle is restored following any modification of the structure.
  - c. Any body installed by an intermediate or final stage manufacturer is mounted securely to absorb loads and prevent movement relative to the frame which could cause any fuel system component to be punctured, separated or otherwise damaged when tested to applicable procedures of CMVSS 301 or FMVSS 301.

**TABLE A**

<b>Models</b>	<b>GVWR kg (lb) (RPO)</b>	<b>Engine (RPO)</b>	<b>General Body Types</b>	<b>Maximum Body Center of Gravity Height cm (in)</b>	<b>Maximum Body Height cm (in)</b>	<b>Maximum Unloaded Vehicle Weight (Completed Vehicle Maximum Weight) kg (lb)</b>	<b>Maximum Body Weight kg (lb)</b>	<b>Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>
C15903 Reg. Cab	3084 (6,800) (C5U)	5.3 L Gas (L83)	Service Body	35.6 (14.0) above the frame	Under 157.5 cm (62.0)	2699 (5,950)	499 kg (1,100 lb)	3.6 (38)
K15903 Reg. Cab	3175 (7,000) (C5W)	5.3 L Gas (L83)	Service Body	35.6 (14.0) above the frame	Under 157.5 cm (62.0)	2699 (5,950)	499 kg (1,100 lb)	3.6 (38)
C25903 Reg. Cab	4,218 (9,300) (G4A)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	3927 (8,640)	816 (1,800)	4 (44)
C25903 Reg. Cab	4,491 (9,900) (C4M)	6.6 L Diesel (L5P)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4200 (9,240)	1,179 (2,600)	4 (44)
C25903 Reg. Cab	4,536 (10,000) (C7A)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4245 (9,340)	1,179 (2,600)	4 (44)
C25943 Crew Cab	4,309 (9,500) (GEH)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4018 (8,840)	816 (1,800)	4 (44)
C25943 Crew Cab	4,536 (10,000) (C7A)	6.6 L Diesel (L5P)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,218 (9,300)	1,179 (2,600)	4 (44)
C25953 Double Cab	4,309 (9,500) (GEH)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,018 (8,840)	816 (1,800)	4 (44)
C25953 Double Cab	4,536 (10,000) (C7A)	6.6 L Diesel (L5P)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,218 (9,300)	1,179 (2,600)	4 (44)
K25903 Reg. Cab	4,309 (9,500) (GEH)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,018 (8,840)	816 (1,800)	4 (44)
K25903 Reg. Cab	4,491 (9,900) (C4M)	6.6 L Diesel (L5P)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,200 (9,240)	1,179 (2,600)	4 (44)
K25943 Crew Cab	4,491 (9,900) (C4M)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,200 (9,240)	816 (1,800)	4 (44)
K25943 Crew Cab	4,536 (10,000) (C7A)	6.6 L Diesel (L5P)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,218 (9,300)	1,179 (2,600)	4 (44)



Models	GVWR kg (lb) (RPO)	Engine (RPO)	General Body Types	Maximum Body Center of Gravity Height cm (in)	Maximum Body Height cm (in)	Maximum Unloaded Vehicle Weight (Completed Vehicle Maximum Weight) kg (lb)	Maximum Body Weight kg (lb)	Maximum Frontal Area m <sup>2</sup> (ft <sup>2</sup> )
K25953 Double Cab	4,309 (9,500) (GEH)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,018 (8,840)	816 (1,800)	4 (44)
K25953 Double Cab	4,536 (10,000) (C7A)	6.6 L Diesel (L5P)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4,218 (9,300)	1,179 (2,600)	4 (44)
C35943 Crew Cab	4,536 (10,000) (C7A)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4245 (9,340)	1,179 (2,600)	4 (44)
C35953 Double Cab	4,536 (10,000) (C7A)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4245 (9,340)	1,179 (2,600)	4 (44)
K35903 Reg. Cab	4,536 (10,000) (C7A)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4245 (9,340)	1,179 (2,600)	4 (44)
K35953 Double Cab	4,536 (10,000) (C7A)	6.0 L Gas (L96)	Service Body	51.6 (20.3) above the frame	157.5 (62.0) and over	4245 (9,340)	1,179 (2,600)	4 (44)

Notes:

- **Table A above applies to ONLY incomplete vehicles (RPO: &VXT) as manufactured by GM without pick-up boxes (RPO: &ZW9).**
- On page 2 within this document, before each vehicle illustration and after the word TYPE, is a list of types of vehicles into which the incomplete vehicle is designed to be manufactured. For the allowable vehicle TYPE(s), CMVSS 301 and FMVSS 301 only applies to vehicles with a 4536 kg (10,000 lb) GVWR or less. As a result, Table A does not include data for GVWRs exceeding 4536 kg (10,000 lb) GVWR.
- For all included models, the minimum cab to body clearance is 7.6 cm (3.0 in)
- CA (back of cab sheet metal to centerline of rear axle dimensions) are located within the "General Arrangement" section found within the **GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**
- \* The Maximum Frontal Area column applies to: PART II, U.S. EPA, CALIFORNIA, AND CANADIAN EXHAUST & EVAPORATIVE EMISSION REQUIREMENTS AND EPA/NHTSA GREENHOUSE GAS/ FUEL ECONOMY REGULATIONS.
- The completed vehicle Maximum Unloaded Vehicle (Curb) Weight, and/or GVWR, and/or frontal area should not be exceeded. If any of these restrictions are exceeded, re-certification by the final stage manufacturer will be required.
- The Maximum Body Weight equals the Maximum Unloaded Vehicle (curb) Weight minus the incomplete Cab & Chassis (curb) weight as manufactured by GM. The actual vehicle (curb) weight must be determined by weighing the vehicle with fuel and fluids filled, minus occupants and cargo. The Maximum Body Weight in Table A is based on the maximum possible incomplete Cab & Chassis (curb) weight as manufactured by GM. It may be permissible to exceed the Maximum Body Weight (as stated in Table A), provided the Maximum Unloaded Vehicle (curb) Weight (as stated in Table A) is not exceeded at final stage manufacturer completion.
- Also see the Vehicle Emission Control Information Label in the vehicle engine compartment for maximum completed vehicle curb weight, GVWR, and frontal area restrictions, if applicable.
- Note: WB refers to wheelbase; GVWR refers to Gross Vehicle Weight Rating.

**CMVSS 301.1 – LPG FUEL SYSTEM INTEGRITY**  
**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 301.1 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**CMVSS 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	Instrument panel
Arm rests	Seat assemblies
Compartment shelves	Seat backs
Console	Seat belts
Engine compartment covers	Seat cushions
Floor coverings	Shades
Head restraints	Sun visors
Headlining	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). If the intermediate or final stage manufacturer installs any items but not limited to those listed above (examples: Curtains, Engine compartment cover, Mattress covers, Shades and Wheel housing covers, etc.), they must also meet the requirements of this 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.

**CMVSS 301.2 and FMVSS 303 – CNG FUEL SYSTEM INTEGRITY**  
**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 301.2 and FMVSS 303 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**FMVSS 304 – COMPRESSED NATURAL GAS FUEL CONTAINERS**  
**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 304 cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the standard.

**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, also 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.

Reference PART I CMVSS 301 and FMVSS 301 Table A, and PART II Table B. The completed vehicle Maximum Unloaded Vehicle (Curb) Weight, GVWR, and/or Maximum Frontal Area restrictions shown in Tables A and B should not be exceeded. If any of these restrictions are exceeded, re-certification by the final stage manufacturer will be required.

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 document, 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):
- |   |   |
|---|---|
| Air Injection Reaction (AIR) System                   | crankcase emission control system, evaporative      |
| Axle  | emission control system, Exhaust Gas                |
| Brake System  | Recirculation (EGR) system, fuel delivery and       |
| Catalytic Converter                                   | injection system, glow plugs, Glow Plug Control     |
| Components for All Wheel Drive (AWD) System:          | Module (GPCM), ignition system, Positive            |
| axle, Power Take-Off Unit (PTU), propshaft            | Crankcase Ventilation (PCV) system                  |
| Diesel Exhaust Emission Reduction Fluid (DEF)         | Engine Electronics, including, but not limited to:  |
| system, including, but not limited to: associated     | coolant temperature sensor,                         |
| plumbing, fill neck assembly heated delivery line,    | ECM/GPCM/PCM/VCM, engine speed sensor,              |
| heater, injector, level sensor, pump, sensors, tank   | mass air flow sensor, calibrations/software         |
| temperature sensor                                    | Exhaust oxygen sensors                              |
| Diesel Exhaust System, including, but not limited to: | Exhaust system                                      |
| NOx Sensors, NOx Sensor Control Module, Diesel        | Intake System, including, but not limited to: air   |
| Exhaust (HCI) Direct Fuel Injector System,            | induction components/system ducts, filter, mass air |
| associated plumbing, injectors, injector controller   | flow sensor, intake air heater                      |
| and calibrations                                      | Onboard Diagnostics Emission System                 |
| Diesel/Bio-Diesel blend Particulate Filter (DPF)      | Tires and Wheels                                    |
| system, including, but not limited to: diesel/bio-    | Transaxle/Transmission Assembly                     |
| diesel blend particulate filter assembly diesel/bio-  | Transaxle/Transmission Electronics, including, but  |
| diesel blend oxidation catalyst assembly, exhaust     | not limited to: calibrations/software Transmission  |
| system pressure differential assembly and/or          | Control Module (TCM)                                |
| plumbing, exhaust temperature sensor                  | Turbo Charging System, associated equipment and     |
| Engine Assembly, including, but not limited to:       | controls  |
| cooling fan and drive system,                         |   |

NOTE: The Tailpipe Rear Cooler Assembly is non-emissions related. If equipped, to ensure adequate control of exhaust temperature, the intermediate or final stage manufacturer must complete tailpipe (loose kit) installations according to the instructions provided.

- B. Cold tire pressure as listed for front and rear on the Incomplete Vehicle Label affixed to the front cover of this document must be maintained.
- C. 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.

**TABLE B**

<b>Models</b>	<b>GVWR kg (lb) (RPO)</b>	<b>Engine (RPO)</b>	<b>Maximum Unloaded Vehicle Weight kg (lb)</b>	<b>Service Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>	<b>Dump Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>	<b>Platform with Bulk Head Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>	<b>Hi-Cube Van Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>
C35903 Reg. Cab	5,035 (11,100) (JFN)	6.6 L Diesel (L5P)	4,509 (9,940)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35903 Reg. Cab	5,908 (13,025) (CHX)	6.6 L Diesel (L5P)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35903 Reg. Cab	4,717 (10,400) (JFI)	6.0 L Gas (L96)	4,224 (9,313)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35903 Reg. Cab	6,078 (13,400) (9GH)	6.0 L Gas (L96)	5,133 (11,317)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35943 Crew Cab	5,171 (11,400) (C7W)	6.6 L Diesel (L5P)	4,509 (9,940)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35943 Crew Cab	5,908 (13,025) (CHX)	6.6 L Diesel (L5P)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35943 Crew Cab	4,853 (10,700) (JFK)	6.0 L Gas (L96)	4,232 (9,330)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35943 Crew Cab	5,908 (13,025) (CHX)	6.0 L Gas (L96)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35953 Ext. Cab	5,080 (11,200) (JFO)	6.6 L Diesel (L5P)	4,509 (9,940)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35953 Ext. Cab	5,908 (13,025) (CHX)	6.6 L Diesel (L5P)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35953 Ext. Cab	4,853 (10,700) (JFK)	6.0 L Gas (L96)	4,307 (9,496)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C35953 Ext. Cab	5,908 (13,025) (CHX)	6.0 L Gas (L96)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
C36003 Reg. Cab	5,987 (13,200) (9E5)	6.6 L Diesel (L5P)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
C36003 Reg. Cab	5,987 (13,200) (9E5)	6.0 L Gas (L96)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)

<b>Models</b>	<b>GVWR kg (lb) (RPO)</b>	<b>Engine (RPO)</b>	<b>Maximum Unloaded Vehicle Weight kg (lb)</b>	<b>Service Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>	<b>Dump Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>	<b>Platform with Bulk Head Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>	<b>Hi-Cube Van Body Type Maximum Frontal Area m<sup>2</sup> (ft<sup>2</sup>)</b>
C36003 Reg. Cab	5,987 (13,200) (9E5)	6.0 L Gas (LC8)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
C36043 Crew Cab	5,987 (13,200) (9E5)	6.6 L Diesel (L5P)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
C36043 Crew Cab	5,987 (13,200) (9E5)	6.0 L Gas (L96)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
C36043 Crew Cab	5,987 (13,200) (9E5)	6.0 L Gas (LC8)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
C36403 Reg. Cab	5,987 (13,200) (9E5)	6.6 L Diesel (L5P)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
C36403 Reg. Cab	5,987 (13,200) (9E5)	6.0 L Gas (L96)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K35903 Reg. Cab	5,171 (11,400) (C7W)	6.6 L Diesel (L5P)	4,509 (9,940)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35903 Reg. Cab	5,908 (13,025) (CHX)	6.6 L Diesel (L5P)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35903 Reg. Cab	4,853 (10,700) (JFK)	6.0 L Gas (L96)	4,232 (9,330)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35903 Reg. Cab	6,078 (13,400) (9GH)	6.0 L Gas (L96)	5,133 (11,317)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35943 Crew Cab	5,262 (11,600) (C7V)	6.6 L Diesel (L5P)	4,509 (9,940)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35943 Crew Cab	5,908 (13,025) (CHX)	6.6 L Diesel (L5P)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35943 Crew Cab	4,990 (11,000) (C7E)	6.0 L Gas (L96)	4,275 (9,426)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35943 Crew Cab	5,908 (13,025) (CHX)	6.0 L Gas (L96)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35953 Ext. Cab	5,262 (11,600) (C7V)	6.6 L Diesel (L5P)	4,509 (9,940)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)

Models	GVWR kg (lb) (RPO)	Engine (RPO)	Maximum Unloaded Vehicle Weight kg (lb)	Service Body Type Maximum Frontal Area m <sup>2</sup> (ft <sup>2</sup> )	Dump Body Type Maximum Frontal Area m <sup>2</sup> (ft <sup>2</sup> )	Platform with Bulk Head Body Type Maximum Frontal Area m <sup>2</sup> (ft <sup>2</sup> )	Hi-Cube Van Body Type Maximum Frontal Area m <sup>2</sup> (ft <sup>2</sup> )
K35953 Ext. Cab	5,908 (13,025) (CHX)	6.6 L Diesel (L5P)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35953 Ext. Cab	4,990 (11,000) (C7E)	6.0 L Gas (L96)	4,275 (9,426)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K35953 Ext. Cab	5,908 (13,025) (CHX)	6.0 L Gas (L96)	4,990 (11,000)	5.2 (56)	5.2 (56)	4.6 (50)	7.9 (85)
K36003 Reg. Cab	5,987 (13,200) (9E5)	6.6 L Diesel (L5P)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K36003 Reg. Cab	5,987 (13,200) (9E5)	6.0 L Gas (L96)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K36003 Reg. Cab	5,987 (13,200) (9E5)	6.0 L Gas (LC8)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K36043 Crew Cab	5,987 (13,200) (9E5)	6.6 L Diesel (L5P)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K36043 Crew Cab	5,987 (13,200) (9E5)	6.0 L Gas (L96)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K36043 Crew Cab	5,987 (13,200) (9E5)	6.0 L Gas (LC8)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K36403 Reg. Cab	5,987 (13,200) (9E5)	6.6 L Diesel (L5P)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)
K36403 Reg. Cab	5,987 (13,200) (9E5)	6.0 L Gas (L96)	5,125 (11,300)	5.2 (56)	5.2 (56)	5.9 (64)	7.9 (85)

Notes:

- **Table B above applies to ONLY incomplete vehicles (RPO: &VXT) above 10,000 lbs GVW as manufactured by GM without pick-up boxes (RPO: &ZW9).**
- On page 2 within this document, before each vehicle illustration and after the word TYPE, is a list of types of vehicles into which the incomplete vehicle is designed to be manufactured.
- For all included models, the maximum cab to body clearance is 7.6 cm (3.0 in)
- CA (back of cab sheet metal to centerline of rear axle dimensions) are located within the **GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**
- \* The Maximum Frontal Area columns apply to: PART II, U.S. EPA, CALIFORNIA, AND CANADIAN EXHAUST & EVAPORATIVE EMISSION REQUIREMENTS AND EPA/NHTSA GREENHOUSE GAS/FUEL ECONOMY REGULATIONS.



- The completed vehicle Maximum Unloaded Vehicle (Curb) Weight, and/or GVWR, and/or frontal area should not be exceeded. If any of these restrictions are exceeded, re-certification by the final stage manufacturer will be required.
- The Maximum Body Weight equals the Maximum Unloaded Vehicle (curb) Weight minus the incomplete Cab & Chassis (curb) weight as manufactured by GM. The actual vehicle (curb) weight must be determined by weighing the vehicle with fuel and fluids filled, minus occupants and cargo.
- Also see the Vehicle Emission Control Information Label in the vehicle engine compartment for maximum completed vehicle curb weight, GVWR, and frontal area restrictions, if applicable.
- GVWR refers to Gross Vehicle Weight Rating.
- All Federal/California gasoline/gasoline-ethanol blend powered heavy duty vehicles (except those equipped with option NJ2, Temporary Fuel Tank) will have an evaporative emission control system that is certified for a fuel tank capacity for the vehicle as built. Intermediate or Final Stage Manufacturers wishing to add fuel tank capacity beyond the original equipment fuel tank capacity must recertify that the Modified Fuel System meets Evaporative Emission Regulations in effect at the time of original vehicle manufacture. Compliance with applicable exhaust and evaporative emission requirements is the responsibility of the final stage manufacturer.

- D. Further compliance with applicable fuel evaporative emissions requirements will be maintained providing the intermediate or final stage manufacturer completes the fuel filler neck and fuel level sender installation(s) according to “Best Practices” or “Special Applications (if applicable)” sections found within the Body Builder Manuals on the **GM Upfitter Integration website located at [www.gmupfitter.com](http://www.gmupfitter.com)**

Compliance with applicable fuel evaporative emission regulations will be maintained if no alterations are made to change material or increase the size or length or position of the following non-metallic fuel and evaporative emission hoses:

Fuel feed hoses front and rear  
 Fuel return hoses front and rear  
 Fuel tank filler hoses to filler neck  
 Fuel tank vent hoses to filler neck

Fuel vapor lines at canister  
 Fuel vapor lines from engine to chassis pipes  
 Fuel vapor lines from fuel tank sender to chassis pipes

- E. The following is applicable to models with option NJ2 – Temporary Fuel Tank. Vehicles equipped with option NJ2 - Temporary Fuel Tank do not have an evaporative emission control system.

Compliance with applicable exhaust and evaporative emission requirements is the responsibility of the final stage manufacturer. General Motors makes no representation as to the conformity with applicable exhaust and evaporative emission requirements based upon the components supplied on the incomplete vehicle.

A final stage manufacturer who retains the original equipment gasoline/gasoline-ethanol blend powered engine as certified by General Motors may purchase original equipment evaporative emission control system components (see your GM dealer) necessary for the final stage vehicle to comply with evaporative emissions requirements. It is the responsibility of the final stage manufacturer to determine the components necessary to ensure evaporative emissions compliance.

**TYPE 3 The following statement is applicable to all types of incomplete vehicles contained in this document manufactured with a gasoline engine, and having an auxiliary heat exchanger installed in the engine cooling system by a subsequent stage manufacturer (unless otherwise noted on the cover).**

Conformity with CMVSS, U.S. EPA, CALIFORNIA, AND CANADIAN EXHAUST & EVAPORATIVE EMISSION REQUIREMENTS AND EPA FUEL ECONOMY REGULATIONS cannot be determined based upon the components supplied on the incomplete vehicle, and General Motors makes no representation to conformity with the regulations.

NOTE: This non-permitted modification will continually set Service Engine Diagnostic Codes.

**SPECIFICATION FOR FILL PIPES AND OPENINGS OF 2015 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(s) and any

intermediate or final stage manufacturer completes the fuel filler neck installation(s) according to the instructions which are furnished in the loose parts box.

## **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 so as 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 this vehicle is received by the ultimate customer.

## NOTES

---

