

APPLICATION FOR CERTIFICATION

2026 MODEL YEAR

Durability Group:	TGMXEEVNN002
Test Group:	TGMXT00.0007
Durability Group Description:	Battery Electric Vehicle
Test Group Description:	2-Motor (1 Front, 1 Rear)
Applicable Standards:	Federal BIN0 / California ZEV
Carlines Covered:	GMC SIERRA EV Chevrolet SILVERADO EV
Vehicles Tested:	3TVTE233
For Questions, Contact:	M.Su (734) 417-6829

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TEST VEHICLE DESCRIPTION

Data Vehicle Selection

Test Group	TGMXT00.0007
Evaporative Family	NA (Battery Electric Vehicle)
Rated Motor Power	Front Drive Motor: 255 kW Rear Drive Motor: 256 kW
Engine Code	1
J1634 Test Methodology	MCT
Speed	65 mph
CSCm Time	180 minutes
Carline Name	GMC SIERRA EV CHEVROLET SILVERADO EV
Transmission Type / Code	A1 (Electric Motor) / 1
Shift Schedule	N/A
Test Weight Class (LVW)	8000 lbs
GVWR	9650
Roadload Horsepower	20.7
Final Drive	Front: 13.26 Rear: 11.63
N/V Ratio – rpm/mph	122.9
Tires	LT275/50R22
Vehicle/EPA Config No./GM Config No.	3TVTE233 / 00 / 000

NOTE: For complete vehicle information, see vehicle information submitted in EV-CIS database.

Data Vehicle Selection Justification – This vehicle represents the worst-case configuration for range for this test group.

Certification Summary Information Report

Manufacturer	General Motors LLC	Manufacturer Code	GMX
Test Group	TGMXT00.0007	Evaporative/Refueling Family	--
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	04/17/2025 02:23:11 PM
Model Year	2026		

Test Group Information

CSI Type	New	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	No

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	MDPV, MDPV
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	--	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	TGMXEEVNN002	Durability Group Equivalency Factor	1
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	TGMXT00.0007
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	TGMXT00.0007	Evaporative/Refueling Family	--
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Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
General Motors LLC	4 - GMC	983 - SIERRA EV	Federal	4-Wheel Drive	Automatic	1	No
General Motors LLC	4 - GMC	983 - SIERRA EV	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
General Motors LLC	3 - Chevrolet	50 - SILVERADO EV	California + CAA Section 177 states	4-Wheel Drive	Automatic	1	No
General Motors LLC	3 - Chevrolet	50 - SILVERADO EV	Federal	4-Wheel Drive	Automatic	1	No

Engine Description

Hybrid Type	--	Hybrid Description	--
Engine Type	--	Mfr Engine Description	--
Engine Block Arrangement	--	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	--	Oil Viscosity/Classification	
Number of Cylinders/Rotors	--	Mechanically Variable Compression Ratio Indicator	--

After Treatment Device(s) (ATD)

Mfr After Treatment Device (ATD) Comments	--
Direct Ozone Reduction (DOR) Device	--
Mfr Emission Control Device Comments	--

Official Test Numbers

Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity	--	--	--	--	--	--	--	--	--	--

Official Charge Depleting Test Numbers

Test Group Fuel	UDDS	Highway
Electricity	--	--

Certification Summary Information Report

Test Group	TGMXT00.0007	Evaporative/Refueling Family	--
Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	470	Battery Energy Capacity	290.0
Battery Specific Energy	143.0	Battery Charger Type	On-Board
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	2		
Motor/Generator Type 1	AC Permanent Magnet	Rated Motor/Generator Power	256
Motor/Generator Type 2	AC Permanent Magnet	Rated Motor/Generator Power	255
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	--		

Certification Summary Information Report

Test Group	TGMXT00.0007	Evaporative/Refueling Family	--
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Emission Data Vehicle Information

Vehicle ID / Configuration	3TVTE233 / 0	Manufacturer Vehicle Configuration Number	0
Original Test Group Name	TGMXT00.0007	Original Evaporative/Refueling Family	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	GMC	Represented Test Vehicle Model	SIERRA EV
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Leak Family Details

Leak Family Identifier	--	Leak Family Name	--
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Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No	Multiple Fuel Combustion	--
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Fuel Cell Indicator	No	Rechargeable Energy Storage System, if 'Other'	--
Rechargeable Energy Storage System	Battery(s)		
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	Odometer Correction Factor	1
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	1	Rated Horsepower	590
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--
Charge Air Cooler Type	--	Drive Mode While Testing	All Wheel Drive
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)
Curb Weight (lbs)	7773	Equivalent Test Weight (pounds)	8000
GVWR (lbs)	9650	N/V Ratio	122.9
Axle Ratio	1		
Transmission Type	Automatic	# of Transmission Gears	1
Transmission Lockup	No	Creeper Gear	No

Dynamometer Coefficients:

Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	51.02	0.267	0.03635	-12.96	0.11	0.03387	20.7

Emission Control Device Comments

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Certification Summary Information Report

Test Group	TGMXT00.0007	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	14mod CDV		

Certification Summary Information Report

Test Group	TGMXT00.0007	Evaporative/Refueling Family	--
Test #	TGMX10090424	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/13/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV (Federal Tier 2, GVWR 8501-10000)	DF Type	Mfr. Determined
Verify Test Lab ID	Compliance and Certification		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2500	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	--		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	239	Recharge Event Energy (kiloWatt-hours)	140.253
Charge Depleting Range (Calculated miles)	432.433	Charge Depleting Range (Actual miles)	432.433
Charge Depleting Range Highway (Calculated miles)	347.494	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	432.433
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.45	
Carbon dioxide		0	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.586142	
Drive Trace Energy Economy Rating		-0.006724	
Drive Trace Inertia Work Ratio Rating		0.95204	
Integrated DC KW-HRS		2.4518	
Manufacturer Fuel Economy		32.91007	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	TGMXT00.0007	Evaporative/Refueling Family	--																		
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.272</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.2132</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.982625</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.17466</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.753</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.53621</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.272	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.2132	Drive Trace Energy Economy Rating	0.982625	Drive Trace Inertia Work Ratio Rating	4.17466	Integrated DC KW-HRS	3.753	Manufacturer Fuel Economy	36.53621		
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Charge Depleting Bag/Phase #3																					
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Charge Depleting Bag/Phase #4																					
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>197.835</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0</td></tr><tr><td>Integrated DC KW-HRS</td><td>93.3063</td></tr><tr><td>Manufacturer Fuel Economy</td><td>47.1637</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	197.835	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	0	Integrated DC KW-HRS	93.3063	Manufacturer Fuel Economy	47.1637		
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Drive Trace Energy Economy Rating	0																				
Drive Trace Inertia Work Ratio Rating	0																				
Integrated DC KW-HRS	93.3063																				
Manufacturer Fuel Economy	47.1637																				
Charge Depleting Bag/Phase #5																					

Certification Summary Information Report

Test Group	TGMXT00.0007	Evaporative/Refueling Family	--																		
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.453</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.140181</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.507307</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.400156</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.1448</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.77767</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.453	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.140181	Drive Trace Energy Economy Rating	-0.507307	Drive Trace Inertia Work Ratio Rating	-0.400156	Integrated DC KW-HRS	2.1448	Manufacturer Fuel Economy	28.77767		
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Charge Depleting Bag/Phase #6																					
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.255</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.21033</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.112375</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.55377</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.6341</td></tr><tr><td>Manufacturer Fuel Economy</td><td>35.43735</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.255	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.21033	Drive Trace Energy Economy Rating	-0.112375	Drive Trace Inertia Work Ratio Rating	1.55377	Integrated DC KW-HRS	3.6341	Manufacturer Fuel Economy	35.43735		
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Manufacturer Fuel Economy	35.43735																				
Charge Depleting Bag/Phase #7																					
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.44</td></tr><tr><td>Carbon dioxide</td><td>0</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.279013</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.414178</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.332588</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.1199</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.49328</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.44	Carbon dioxide	0	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.279013	Drive Trace Energy Economy Rating	-0.414178	Drive Trace Inertia Work Ratio Rating	-0.332588	Integrated DC KW-HRS	2.1199	Manufacturer Fuel Economy	28.49328		
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Drive Trace Inertia Work Ratio Rating	-0.332588																				
Integrated DC KW-HRS	2.1199																				
Manufacturer Fuel Economy	28.49328																				
Charge Depleting Bag/Phase #8																					

Certification Summary Information Report

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Certification Summary Information Report

Test Group		TGMXT00.0007			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		MDPV (Federal Tier 2, GVWR 8501-10000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o can. load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.0	0.0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		MDPV (Federal Tier 2, GVWR 8501-10000)			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Multi-Cycle Test (MCT)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CREE	--	--	--	--	--	--	0.0	0.0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		MDPV (Federal Tier 2, GVWR 8501-10000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Multi-Cycle Test (MCT)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0.0	0.0
150,000 miles	CREE	--	--	--	--	--	--	0.0	0.0

Certification Summary Information Report

Test Group		TGMXT00.0007	Evaporative/Refueling Family		--
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		AS-VOLT	Average System Voltage	
CO	Carbon Monoxide		CO2 BAG 1	Bag 1 Carbon Dioxide	
CO2	Carbon dioxide		CO2 BAG 2	Bag 2 Carbon Dioxide	
CREE	Carbon-Related Exhaust Emissions		CO2 BAG 3	Bag 3 Carbon Dioxide	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		CO2 BAG 4	Bag 4 Carbon Dioxide	
NOX	Nitrogen Oxide		NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides	
PM	Particulate Matter		NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides	
PM-COMP	SFTP Composite Particulate Matter		DT-IWRR	Drive Trace Inertia Work Ratio Rating	
HC-NM	Non-methane Hydrocarbon		DT-ASCR	Drive Trace Absolute Speed Change Rating	
OMHCE	Organic material Hydrocarbon Equivalent		DT-EER	Drive Trace Energy Economy Rating	
OMNMHCE	Organic material non-methane HC equivalent		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
NMOG	Non-methane organic gases		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
HCHO	Formaldehyde		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
H3C2HO	Acetaldehyde		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		LEAK-DIA	Effective Leak Diameter (inches)	
CO-COMP	SFTP Composite Carbon Monoxide		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
ETHANOL	C2H5OH - Ethanol		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
FE BAG 1	Bag 1 Fuel Economy		KW-HRS	Integrated DC KW-HRS	
FE BAG 2	Bag 2 Fuel Economy		CH4 BAG 1	Bag 1 Methane	
FE BAG 3	Bag 3 Fuel Economy		CH4 BAG 2	Bag 2 Methane	
FE BAG 4	Bag 4 Fuel Economy		CH4 BAG 3	Bag 3 Methane	
MFR FE	Manufacturer Fuel Economy		CH4 BAG 4	Bag 4 Methane	
HC	Hydrocarbon for Running Loss and ORVR		CO BAG 1	Bag 1 Carbon Monoxide	
METHANE	CH4 - Methane		CO BAG 2	Bag 2 Carbon Monoxide	
METHANOL	CH3OH - Methanol		CO BAG 3	Bag 3 Carbon Monoxide	
N2O	Nitrous Oxide		CO BAG 4	Bag 4 Carbon Monoxide	
SPITBACK	Spitback Hydrocarbon in grams		NMOG BAG 1	Bag 1 Non-methane organic gases	
AMP-HRS	Integrated Amp-hours		NMOG BAG 2	Bag 2 Non-methane organic gases	
START-SOC	System Start State of Charge Watt-hours		NMOG BAG 3	Bag 3 Non-methane organic gases	
END-SOC	System End State of Charge Watt-hours		NMOG BAG 4	Bag 4 Non-methane organic gases	
ACT-DISTANCE	Actual Distance Driven (miles)				
Certification Region					

Certification Summary Information Report

Test Group		TGMXT00.0007		Evaporative/Refueling Family		--	
CA	California + CAA Section 177 states	FA	Federal				
Exhaust Emission Standard Level							
B1	Federal Tier 2 Bin 1	T3B160	Federal Tier 3 Bin 160				
B2	Federal Tier 2 Bin 2	T3B125	Federal Tier 3 Bin 125				
B3	Federal Tier 2 Bin 3	T3B110	Federal Tier 3 Transitional Bin 110				
B4	Federal Tier 2 Bin 4	T3B85	Federal Tier 3 Transitional Bin 85				
B5	Federal Tier 2 Bin 5	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover				
B6	Federal Tier 2 Bin 6	T3B70	Federal Tier 3 Bin 70				
B7	Federal Tier 2 Bin 7	T3B50	Federal Tier 3 Bin 50				
B8	Federal Tier 2 Bin 8	T3B30	Federal Tier 3 Bin 30				
B9	Federal Tier 2 Bin 9	T3B20	Federal Tier 3 Bin 20				
B10	Federal Tier 2 Bin 10	T3B0	Federal Tier 3 Bin 0				
B11	Federal Tier 2 Bin 11	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340				
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	HDV2B250	Federal Tier 3 HD Class 2b Bin 250				
L2	California LEV-II LEV	HDV2B200	Federal Tier 3 HD Class 2b Bin 200				
L2OP	California LEV-II LEV Optional	HDV2B170	Federal Tier 3 HD Class 2b Bin 170				
U2	California LEV-II ULEV	HDV2B150	Federal Tier 3 HD Class 2b Bin 150				
S2	California LEV-II SULEV	HDV2B0	Federal Tier 3 HD Class 2b Bin 0				
ZEV	California ZEV	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630				
OT	Other	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570				
T1	Federal Tier 1	HDV3B400	Federal Tier 3 HD Class 3 Bin 400				
PZEV	California PZEV	HDV3B270	Federal Tier 3 HD Class 3 Bin 270				
L2LEV160	California LEV-II LEV160	HDV3B230	Federal Tier 3 HD Class 3 Bin 230				
L2ULEV125	California LEV-II ULEV125	HDV3B200	Federal Tier 3 HD Class 3 Bin 200				
L2SULEV30	California LEV-II SULEV30	HDV3B0	Federal Tier 3 HD Class 3 Bin 0				
L2LEV395	California LEV-II LEV395	L4SULEV100	California LEV-IV SULEV100				
L2ULEV340	California LEV-II ULEV340	L4SULEV125	California LEV-IV SULEV125				
L2LEV630	California LEV-II LEV630	L4SULEV15	California LEV-IV SULEV15				
L2ULEV570	California LEV-II ULEV570	L4SULEV150	California LEV-IV SULEV150				
L3LEV160	California LEV-III LEV160	L4SULEV170	California LEV-IV SULEV170				
L3ULEV125	California LEV-III ULEV125	L4SULEV175	California LEV-IV SULEV175				
L3ULEV70	California LEV-III ULEV70	L4SULEV20	California LEV-IV SULEV20				
L3ULEV50	California LEV-III ULEV50	L4SULEV200	California LEV-IV SULEV200				
L3SULEV30	California LEV-III SULEV30	L4SULEV230	California LEV-IV SULEV230				
L3SULEV20	California LEV-III SULEV20	L4SULEV25	California LEV-IV SULEV25				
L3LEV395	California LEV-III LEV395	L4SULEV30	California LEV-IV SULEV30				
L3ULEV340	California LEV-III ULEV340	L4SULEV75	California LEV-IV SULEV75				
L3ULEV250	California LEV-III ULEV250	L4SULEV85	California LEV-IV SULEV85				
L3ULEV200	California LEV-III ULEV200	L4ULEV125	California LEV-IV ULEV125				

Certification Summary Information Report

Test Group		TGMXT00.0007	Evaporative/Refueling Family		--
L3SULEV170	California LEV-III SULEV170		L4ULEV200	California LEV-IV ULEV200	
L3SULEV150	California LEV-III SULEV150		L4ULEV250	California LEV-IV ULEV250	
L3LEV630	California LEV-III LEV630		L4ULEV270	California LEV-IV ULEV270	
L3ULEV570	California LEV-III ULEV570		L4ULEV40	California LEV-IV ULEV40	
L3ULEV400	California LEV-III ULEV400		L4ULEV400	California LEV-IV ULEV400	
L3ULEV270	California LEV-III ULEV270		L4ULEV50	California LEV-IV ULEV50	
L3SULEV230	California LEV-III SULEV230		L4ULEV60	California LEV-IV ULEV60	
L3SULEV200	California LEV-III SULEV200		L4ULEV70	California LEV-IV ULEV70	
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		
F	2-Wheel Drive, Front	A	All Wheel Drive		
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter	ICI	Independent Commercial Importer		
CSI	Certificate Summary Information	ORVR	Onboard Refueling Vapor Recovery		
DF	Deterioration Factor	SIL	Shift Indicator Light		
Evap	Evaporation, Evaporative	Trans	Transmission		

Battery Electric Vehicle System Description

Electric Drive Unit

Three 3-Phase AC Permanent Magnet Electric Motors (1 Front, 1 Rear)

Outputs at 100% Inverter limit:

Front Motor: 255kW / 385Nm

Rear Motor: 256kW / 410Nm

Battery

Lithium Ion Battery Pack

119 kWh Pack Energy Capacity (Rated C/3)

Charger:

11.5 kW Charging at 240V AC (Peak) On-Board

Maximum allowable fast charge capability: 500 Amps

Transmission

Two automatic single speed drive units (One front unit / One rear unit)

Regenerative Braking System

During coasting and during brake applies, the electric motor will be used to decelerate the vehicle and provide electricity to the high voltage battery. The amount of charge the high voltage battery will accept will vary during normal operation depending on the battery state of charge and temperature.

Additional Information Provided in Owner's Manual Documents

Proper recharging procedure

Description of warning system(s) for malfunctions

Starting and shifting procedures

Vehicle safety with the following subtopics:

Information supplied to the customer for safe operation of the vehicle

Information on safe handling of the battery system

Description of emergency procedures

Engine Code Information

Base Engine Code	1	2
EC Derivatives		
Test Group	TGMXT00.0007	TGMXT00.0007
Durability Group	TGMXEEVNN002	TGMXEEVNN002
Engine RPO	XRJ	XRJ
Trans RPO	P8N	P8N
Trans Type	A1	A1
Product Code	2	2
Emission RPO	NF6	NF6
Emissions Category	BIN0/ZEV	BIN0/ZEV
Vehicle Type	TRUCK	TRUCK
Regulatory Agencies	F/C	F/C
Sales Area	FA/CA	FA/CA
Design Altitude	Both	Both
A/C Equipped	Yes	Yes
Driver Select Device	OPD-Off, OPD-On, OPD-High, Sport, Relaxed, WOW/MPM, Tow/Haul	OPD-Off, OPD-On, OPD-High, Tow/Haul
Police Only	No	No
Horsepower @ RPM	645	510
Torque @ RPM	NA	NA
Description	14MOD MY MODE	14MOD WT

TRANSMISSION INFORMATION

Test Group ID	TGMXT00.0007	TGMXT00.0007
Transmission Code	1	2
Transmission RPO	P8N	P8N
Transmission Type	A1	A1
Drive Gear Ratios	11.63	11.63
Shift Calibrations	Computer Controlled Computer Controlled	
Torque Converter Lockup RPM'S	Computer Controlled Computer Controlled	
Multimode Feature - # of Modes	15	6
Description	My Mode	WT
TapUp/TapDown	NO	NO

SPECIAL TEST INSTRUCTIONS

OTHER

Anti-Lock Braking System (ABS):

This vehicle is equipped with ABS systems. AWD dynamometer and dyno mode is required to allow the vehicle to perform on the dynamometer in a representative manner. Please contact General Motors Compliance and Certification organization for support on enabling dyno mode.

Traction Control System (TCS):

This vehicle is equipped with TCS. AWD dynamometer and dyno mode is required to allow the vehicle to perform on the dynamometer in a representative manner. Please contact General Motors Compliance and Certification organization for support on enabling dyno mode.

Emission Test Special Vehicle Cooling:

When conducting an emission test, the front cooling fan is placed 12 inches from the floor to the bottom of the fan to match the vehicle air inlet area.

Automatic Light Control:

This vehicle is equipped with automatic light control. Testing should be completed with headlights off. To enable or disable automatic headlight control, on the center screen, navigate to Controls > Lights > Headlights, and select the Off radial button or the Auto radial button.



SPECIAL TEST INSTRUCTIONS

OTHER, CONTINUED

Daytime Running Lights (DRL):

Daytime running lights must remain enabled during any emission or fuel economy testing.

VEHICLE STARTING INSTRUCTIONS

Starting Procedure:

The vehicles within this Test Group do not contain a traditional on/off function facilitated by an electronic push button start or key-based ignition. These vehicles utilize a Passive Power Mode that eliminates the need for a traditional button to turn the vehicle on or off. Entering the vehicle with the Remote Keyless Entry (RKE) Transmitter and following the below instructions will allow entering either Propulsion System Active (PSA) or Run Mode.

Propulsion System Active (PSA) Mode:

This position is for starting and driving. Enter the vehicle with the RKE Transmitter and press the brake. A green vehicle ready light will display near the bottom-center in the instrument cluster when the vehicle is ready to be driven. The instrument cluster also displays an active battery gauge when the vehicle is ready to be driven. Note: the CHECK ENGINE light will not be illuminated unless there is an issue with the vehicle.



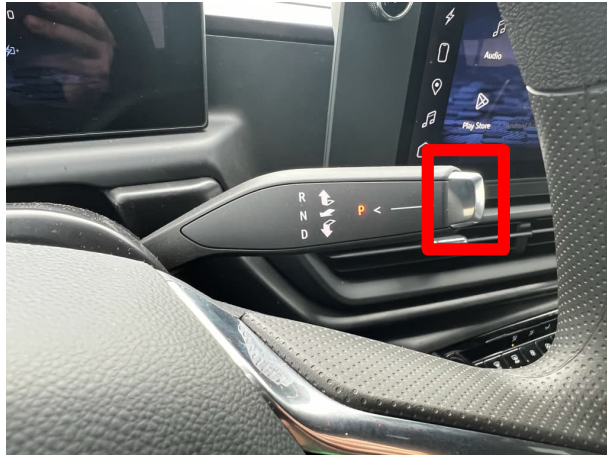
Run Mode:

Enter the vehicle while it is OFF with the RKE Transmitter and leave the driver's door open. Press the accelerator pedal three times in quick succession. On the third press, hold the pedal down until the Driver Information Center illuminates. The vehicle ready light will not illuminate if run mode has been entered.



Stopping the Vehicle/Off:

If intending to turn off the vehicle after it has been in Drive or Reverse gears and the door is closed: shift the vehicle to Park by pressing the button on the end of the stalk and open the Driver's door. This mode is intended to cover most normal driving scenarios encountered and functions as part of the Passive Power Mode.



If the vehicle is in Run Mode, or if the vehicle has not completed a drive cycle after entering PSA Mode, an additional button will appear on the center screen that is to be used to turn the vehicle off. Press the virtual Power Off Button and open the Driver's door.



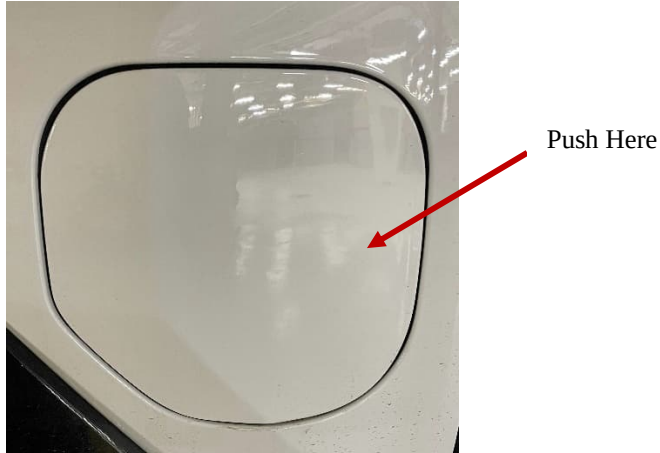
BATTERY CHARGING AND TESTING PROCEDURE INFORMATION

General Battery Charging Procedures:

Reference Owner's Manual for additional information.

Charging Plug-In Charging AC/DC Charge Cord Handle:

Open charge port door by pushing on the plug icon at the rear of the door.



Charge Port



DC Charge Port (Accessed by removing cap over lower portion of plug - See Owner's Manual for more information)

Charge times will vary with extreme hot or cold conditions. There are options to program how the vehicle is charged. See Charging section in Owner's Manual. While the charge cord is plugged into the vehicle, the vehicle cannot be driven.

BATTERY CHARGING AND TESTING PROCEDURE INFORMATION

Limiting Recharge Level:

For tests required to start at a lower State of Charge (SOC) than 100%, it may be necessary to utilize the vehicle's charge limiting feature. To use the charge limiting feature via the center screen: Select Charging > Next Charge > Adjust the slider to the desired maximum state of charge. This is a latching feature that will persist until changed, therefore, additional adjustments may be necessary depending on the order of tests conducted.



BATTERY CHARGING AND TESTING PROCEDURE INFORMATION

GENERAL TESTING PROCEDURES

EV Electric Range Test Sequence for GM Vehicles:

SAE J1634 (As Revised 2017, Section 8) shall be followed for all EV testing for GM Test Group TGMXT00.0007. Steady State at 65mph.

Vehicle Verification

Verify that vehicle has at least 80% SOC worth of charge for the dyno determination sequence.
Verify that the Hioki current sensors (contact GM for support) are installed and secured on the vehicle. Device to read high voltage battery voltage is connected (contact GM for support).

High Voltage Connections – Extreme Caution required

For safety reason GM does not provide any vehicle connections nor directions as to where to connect a Hioki to collect current/voltage data. Experienced personnel familiar with HV should reference the service manual for additional information.

** Note: GM may supply Hioki attachment points on Certification test vehicles supplied to the EPA for Confirmatory Testing.

Crabbing Vehicle

Vehicle shall be crabbed or pushed to charging station, test site, etc. while in any test sequence.



April 17, 2025

TP052

Mr. D. Cullen
U.S. Environmental Protection Agency
Office of Transportation & Air Quality
Certification & Compliance Division
2000 Traverwood
Ann Arbor, MI 48105

Dear Mr. Cullen:

Subject: Request for Certificate of Conformity - General Motors 2026 Test Group
TGMXT00.0007

General Motors requests that the EPA issue a certificate of conformity for the subject test group. GM requests the EPA review this application promptly to expedite final approval of the certificate of conformity for the subject test group. Attached to this request is the Part 1 Application.

GM requests that the EPA treat the information contained in this Part 1 Application, or information subsequently submitted for inclusion in this application, as confidential business information under 40 C.F.R. Part 2, Subpart B, and 5 U.S.C. § 552. The EPA's General Counsel made a class determination that information contained in applications for certification is entitled to confidential treatment (see Class Determination 1-13). As such, GM requests that the information described in each Table of the Class Determination be accorded confidential treatment in accordance with the time periods specified.

GM attests that the test group complies with all applicable regulations contained in 40 C.F.R. Parts 85 and 86, and the applicable California Amendments of the EPA regulations it has incorporated, and Title 13 of the California Code of Regulations.

Please review this information as soon as possible and call if you should have any questions regarding this request for a certificate of conformity.

Sincerely,

M. Su

M. Su
Total Certification Engineer
Compliance & Certification

MS/ks

general motors

GM Proving Ground / Compliance & Certification / M/C 483-331-500 / 3300 GM Rd. / Milford, MI 48380-3726



April 17, 2025

TP053

Ms. Robin U. Lang, Chief
Emissions Certification and Compliance Division
California Air Resources Board
4001 Iowa Avenue
Riverside, CA 92507

Dear Ms. Lang:

Subject: Request for Executive Order - General Motors 2026 Test Group TGMXT00.0007

General Motors requests that CARB issue an executive order for the subject test group. GM requests that the CARB treat the information contained in this Part 1 Application, or information subsequently submitted for inclusion in this application, as confidential business information pursuant to the California Public Records Act and Sections 91000-91022 of Title 17 of the California Code of Regulations. The information is confidential and sensitive GM business information that constitutes trade secrets and commercial or financial information within the meaning of Section 6254.7 of the California Public Records Act, is entitled to confidential treatment, and will cause substantial competitive harm to GM if released. In the event that CARB does not agree with our position regarding confidential treatment of this information or is considering the public release of this confidential, trade secret, and commercial or financial information, or receives a request for disclosure of the information, we request that you first provide notice to me and we request the opportunity to discuss the material and the need to maintain the confidentiality of this information with you or the CARB General Counsel before any decision is made regarding its release. GM requests that the information be accorded confidential treatment indefinitely.

GM attests that the test group complies with all applicable regulations contained in 40 C.F.R. Parts 85 and 86, and the applicable California Amendments of the EPA regulations that CARB has incorporated and Title 13 of the California Code of Regulations.

The EPA certificate of conformity for this test group will be forwarded to you when it becomes available.

Please review this information as soon as possible and call if you have any questions regarding this request for an executive order.

Sincerely,

M. Su

M. Su
Total Certification Engineer
Compliance & Certification

general motors

GM Proving Ground / Compliance & Certification / M/C 483-331-500 / 3300 GM Rd. / Milford, MI 48380-3726

*** VEHICLE INFORMATION ***

Model Year	2026	Certifying Agent	GM
Test Vehicle	3TVTE233	GM Config	000
		Run Date	04/17/2025 12:59:50

VEHICLE NO:	3TVTE233	CONFIGURATION NO:	000	EPA VERSION NO:	00
				ORIGINAL CERT YEAR:	2026

ENG FAM/TEST GRP:	TGMXT00.0007	ENGINE CODE:	1		
EVAP FAMILY:	TGMXNA	EVAP CODE:	NA		
TEST PURPOSE:	DATA	DISPL:	0.0	SALES LOC:	BOTH
VEH TYPE: FED=	MDPV	CAL=		EMIS CATEGORY: FED=	BIN 0 CAL=

DURA GRP:	TGMXEEVNN002	DURA VEH NO:		DURA CONFIG:	
-----------	--------------	--------------	--	--------------	--

FUEL METER:		BOOST TYPE:		VALVES PER CYL:	0
-------------	--	-------------	--	-----------------	---

TRANS: TYPE=	A1	CODE= 1	MODE= NORMAL	SIL EQUIPPED:	No	SIL VERSION:	N/A
SHIFT SCHEDULE:	N/A	SHIFT SCHED NO:					
EVAP CANISTER SIZE(L):							
TANK CAPACITY (GAL): PRIM=		AUX=				PRIMARY FUEL:	ELEC
PREMIUM FUEL RECOM'D:	N	USAGE: F=	FA	C=			
DYNAMOMETER DRIVE AXLE:	A						
TIRE PRESS(PSI): FRT=	68	REAR=	75	A/C EQ:	Y		
68d ROADLOAD: F0=	51.02	F1= 0.267		F2= 0.03635		TRLHP 68d:	20.7
20d ROADLOAD: F0=	56.12	F1= 0.2937		F2= 0.03999		TRLHP 20d:	22.8

WEIGHTS (LBS):				TIRES:			
ETW: 8000	EPA CURB: 7773	GVWR:	9650	VENDOR:	BRI	SIZE:	LT275/50R22
				TREAD TYPE:	ALS		

DESIGN:	CURB WEIGHT/TEST WT CLASS TYPE	DRIVE AXLE					
	7773/LVW	3733.2					

REP VEH MODEL:	TT35843	FIN DR RATIO:	1	N/V:	122.9	ENG RPO:	XRJ
ACTUAL MODEL NO:	TT35843						
RATED HP:	590	TCC:	Y				
OVERDRIVE:	N	CREEPER:	Y	PS:	YES	PB:	YES
MODE LINK CONFS:		C/O CONF:		SIL LINK CONF:			
ZERO-MILE ODO:	0	ODO CORR:	1.00				

COMMENTS

Label Samples for Silverado EV & Sierra EV

14 Module ETN

VECI / Battery Label – Vehicle Location

226XRJYF5EWXCGO43	262	01	 TXXCMF
Jan 21 2025 17:08:49			
	VEHICLE EMISSION CONTROL INFORMATION		 GENERAL MOTORS LLC
Conforms to Regulations: 2026		Fuel: Electric	
U.S. EPA class / stds: MDPV / TIER3 BIN0		226XRJYF5EWXCGO43	
Group: TGMXT00.0007		Date: 2501	
California class / stds: MDV / ZEV			
Chemistry Identifier: LiMM-C.F/GM			
Pack Minimum Voltage: 280 V Option: EWX			
Cell Minimum Voltage: 2.5 V Rated Capacity: 119 kWh / 290 Ah			

Battery Label – Pack Location

	24059847	BC: 78R	RPO: EWX	LIMM-C.F.
	8460100000000X	119kWh/290Ah		
	951744407	Made in USA		
	1124324A78R09036			
	V _{min} Pack/Cell: 280/2.5			
1124324A78R09036				ACC2

Battery Label – Module Location

	2406 4403	B3381C.D	LIMM-C.F.	
	84601010000000X	MADE IN USA		
	951744407	8.5kWh/290Ah		
	1124345M11109007	43140		
	MAC:64F9C0000033793A			
V _{min} Module/Cell: 20/2.5				ACC2

Climate Control System Description

1962.4 (i)(3) (C)(5) The climate control systems for the vehicles within this test group can be described as an Electric heat pump for cabin warming and an electric compressor for the Air Conditioning System for cabin cooling.

Charge Cord Description

Per 1962.4 (i)(3)(C)(6) Vehicles certified within this test group are equipped with a 20 foot long dual-level charge cord with a Combined Charging System (CCS) connector or a or a North America Charging Standard (NACS) connector (and an adapter NACS to CCS). Below is an example image of this equipment.



Vehicle Break-in Period

1962.4 (i)(3)(D)(3) Per CD-2021-12 and 40 CFR 86.1831-01 General Motors is accumulating 2000 miles using an automatic dynamometer running the Standard Road Cycle for accelerated mileage accumulation, or real world on road driving.

Battery and Charging Information

1962.4 (i)(3)(G) The following are excerpts from the vehicle owner's manual that cover instructions provided to vehicle owners on how to access, in vehicle and without the use of tools, the battery state of health parameter, distance traveled since battery state of health last reset, actual rate of charge occurring, and maximum charge rate vehicle can currently accept as required by CCR, title 13, 1962.5.

To view the current charging status in the infotainment screen, select



Active Charging

For information on the vehicle battery and charging, see [Plug-In Charging](#).

During an active charging session, the Charging screen displays and continuously updates the following items:

- The current charging status
- The range the vehicle is capable of driving at the current charge level
- Range accumulation per hour of charging
- The estimated time at which the vehicle will reach the desired charge level
- If equipped, the current amount of power provided by the charging station
- If equipped, the maximum amount of power your vehicle is able to charge at
- Target Charge Level Gauge: The current charge level value represented as a percentage and a colored section of the circular gauge.

To update the desired charge level for the active charging session, drag the marker on the Target Charge Level Gauge.

If the charge coupler is locked, the Stop Charge button will display. Selecting the Stop Charge button at any time ends the active charging session.

If equipped, for Level 1 and Level 2 chargers, you can also select the appropriate charge cord limit for your location. This determines how much current can flow from an electrical outlet to the vehicle battery. It also ensures proper charge time estimates.

When the charge cord limit is changed to the highest setting on a 120-volt circuit a notification is displayed.

If no Home Location is set, the Level 1 cord limit will revert to the lowest setting every time the vehicle is shifted out of (P) Park.

Range and charge time estimates fluctuate depending on a number of factors such as charge cord level/limit, battery temperature, and outside air temperature.

Vehicle Status

To access the menu select the Vehicle Status icon from the infotainment home screen. Vehicle status content is grouped together and shown on the infotainment display.

Selecting vehicle status content on the infotainment display shows the available options. Follow any message or alerts that may display. Some options may be unavailable while driving.

Energy Info

Battery Capacity

Displays the capacity of the high voltage battery compared to when it was new. It is normal for capacity and range to decrease with age. When the battery is new, CALCULATING will display while the capacity is determined.

Proper and Safe Operation

1962.4 (i)(3)(J) The following are excerpts from the vehicle owner's manual that cover safe operation of the vehicle and handling of the battery.

High Voltage Battery

Only a trained service technician should inspect, test, or replace the high voltage battery. The dealer has information on how to recycle the high voltage battery. There is also information available at <https://www.recyclemybattery.com>.

Warning: Damage to the high voltage battery or high voltage system can create a risk of electric shock, overheating, or fire.

If the vehicle is damaged from a moderate to severe crash, flood, fire, or other event, the vehicle should be inspected as soon as possible. Until the vehicle has been inspected, store it outside at least 15 m (50 ft) from any structure or anything that can burn. Ventilate the vehicle by opening a window or a door. Contact Customer Assistance as soon as possible to determine whether an inspection is needed. See [Customer Assistance Offices](#).

If the vehicle is in a crash, the sensing system may shut down the high voltage system. When this occurs, the high voltage battery is disconnected and the vehicle will not start. The SERVICE VEHICLE SOON message in the Driver Information Center (DIC) will display. Before the vehicle can operate again, it must be serviced at your dealer. If a crash occurs or an airbag(s) inflates, see "If a Crash Occurs" under [Collision Damage Repair](#) and [What Will You See After an Airbag Inflates?](#) for additional information.

Keep the vehicle plugged in, even when fully charged, to keep the high voltage battery temperature ready for the next drive. This is important when outside temperatures are extremely hot or cold.

Propulsion power may be reduced in extremely cold temperatures, or if the high voltage battery is too cold. The message BATTERY TOO COLD, PLUG IN TO WARM will display. If the message displays, a level 2 charger is required to heat the battery to a minimum temperature to enable propulsion or charging.

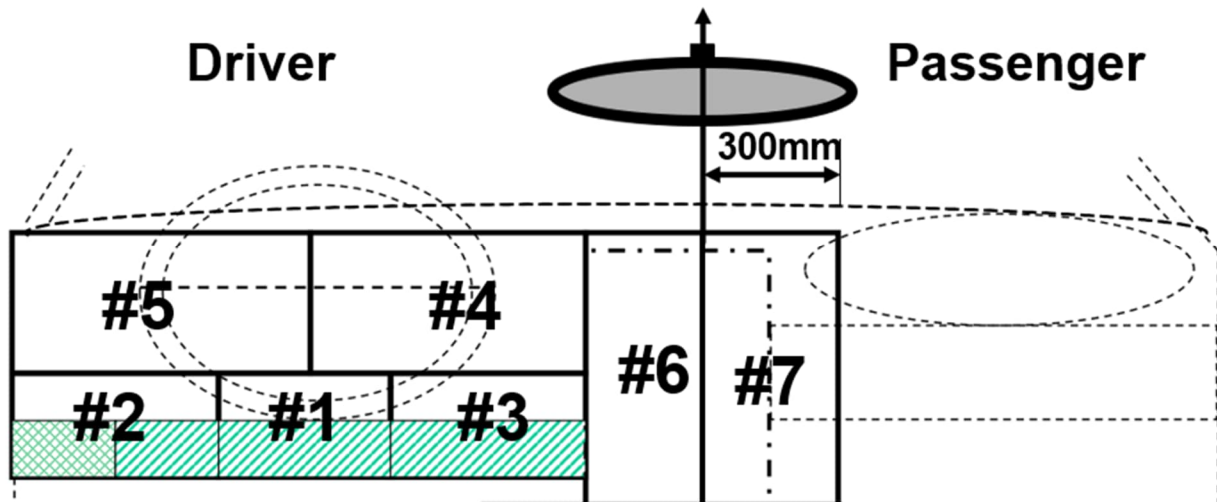
A vehicle cover, which can reduce sun loading on the vehicle and improve high voltage battery life, is available from your dealer.

Warning: This vehicle is equipped with high voltage battery thermal detection, mitigation, and notification software. If the high voltage battery overheats, it may create a risk of a vehicle fire and may result in damage to property, serious injury, or death.

If the high voltage battery overheats, an audible alarm may sound, a message may display on the Driver Information Center (DIC), and OnStar may be called. To alert others outside your vehicle, the horn may sound, and the lights may flash. If driving, pull over as soon as possible to a safe location at least 50 feet (15 m) away from any structure or anything that may burn. Park your vehicle, set the parking brake, and turn the vehicle off. Open a window or door for ventilation. Remove the remote key and move yourself and others to a safe, upwind location away from the vehicle. Do not return to the vehicle or attempt to restart or drive the vehicle. Call emergency services and inform them that an electrical vehicle high voltage battery is overheating. Never attempt to put out a vehicle fire. Your vehicle must be towed to an authorized dealer to have the high voltage battery inspected before the vehicle can be operated again.

Diagnostic Connector

1962.4 (i)(4)(C) All General Motors products contained within this Test Group will have a Diagnostic Link Connector (DLC) located in one of the three shaded areas in the diagram below. No products in this Test Group have a cover over the DLC. An example image from one of the products contained within this test group has been provided, however a more specific description of a particular product or group of products covered in this Test Group will be supplied upon request.



Cadillac VISTIQ DLC Image



Supplemental ZEV Application for Certification - TGMXT00.0007

<u>Section No.</u>	<u>Title</u>
01.00.00	Communications See GM Application for Certification TGMXT00.0007
.01.00	Mailing Information See GM Application for Certification TGMXT00.0007
.01	Certification Information See GM Application for Certification TGMXT00.0007
.02	Responsible official See GM Application for Certification TGMXT00.0007
02.00.00	Confidential Information See GM Application for Certification TGMXT00.0007
.01.00	Statement of confidentiality See GM Application for Certification TGMXT00.0007
.02.00	Test vehicle selection "Worst case" test vehicle selection and manufacturer defined criteria if more than one model offered (e.g. 2-door vs 4-door). See GM Application for Certification TGMXT00.0007
.03.00	Projected California sales See GM Application for Certification TGMXT00.0007
03.00.00	Facilities, equipment, and test procedures (Manufacturers to keep information regarding facilities and equipment on file.) Testing was conducted at GM facilities as well as EPA facilities – per SAE J1634 procedure (as Revised 2017, Section 8) Steady State at 65 mph
.01.00	Procedure to determine mass emissions of the fuel-fired heater Not applicable
.02.00	Battery pre-conditioning procedures (if necessary) None –Fully Charged per SAE J1634 procedure (as Revised 2017, Section 8)
04.00.00	(Reserved)
05.00.00	(Reserved)

Supplemental ZEV Application for Certification - TGMXT00.0007

<u>Section No.</u>	<u>Title</u>
06.00.00	Maintenance See Owner's Manual
.01.00	Test vehicle scheduled maintenance None
.02.00	Recommended customer maintenance schedule See Owner's Manual
.03.00	Lubricants and heater fuels, if any See Owner's Manual
07.00.00	Vehicle Emission Control Information (VECI) and Environmental Performance (EP) Labels
.01.00	VECI Label locations Under hood
.02.00	Sample emission control information labels See GM Application for Certification TGMXT00.0007
.03.00	Sample EP Label (Formerly called the Smog Index label) Per agreement with GM and CARB EPL is now incorporated in the vehicles Window sticker. Smog score value is 10. Actual window sticker not available until EPA Certificate and Fuel Economy Labels are available
.04.00	Statement of compliance See GM Application for Certification TGMXT00.0007
08.00.00	General technical description Manufacturer's sales brochures or owner's manual may be submitted to satisfy the requirements in this section See Owner's Manual
.01.00	Description of Propulsion System Single speed fixed ratio direct drive with 13.26 front axle ratio and 11.63 rear axle ratio. Energy stored and provided by 470V nominal lithium ion battery
.02.00	Description of Motor(s) See GM Application for Certification TGMXT00.0007 – Permanent Magnet 3-phase electric machine
.03.00	Description of Batteries See GM Application for Certification TGMXT00.0007 – Lithium Ion, 470V nominal, 112 cells
.01	Battery charging capacity See GM Application for Certification TGMXT00.0007 – 290 Ahr total pack capacity

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<u>Section No.</u>	<u>Title</u>
08.03.02	Self-discharge information Not applicable
.03	Description of thermal management system Liquid heating and cooling system
.04	Definition of end-of-life The rechargeable energy storage system (RESS) is a collection of battery cells used for propulsion which are integrated into modules. For purposes of replacement, a module is no longer considered acceptable whenever any given cell has deviated by an unacceptable magnitude such that it would affect the safety of the vehicle.
.05	Description of battery disposal plan See Owner's Manual Battery is recycled using GM contractor for service and warranty replacements. GM also provides recycling resources at www.recyclemybattery.com .
.04.00	Description of Controller/Inverter High-voltage DC to high-voltage 3-phase AC
.05.00	Description of Transmission Single speed, fixed ratio
.06.00	Description of climate control system
.01	Electrical Heat Pump Not applicable
.02	Climate control system logic See HVAC section in Owner's Manual
.03	(Reserved) Not applicable
.07.00	Description of Regenerative Braking System
.01	Control Logic Brake system will recover energy until the driver requests more braking power than the traction system can deliver.
.02	Percentage of braking performed on road by each axle Energy is recovered from both axles.
.08.00	Description of charger On-board, liquid cooled, 11.5kW (240V), 48 Amp wall service on 240V
.01	Proper recharging procedures: see charging section of owner's manual

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<u>Section No.</u>	<u>Title</u>
.02	Power requirements necessary to recharge vehicle Minimum 1.8kW (15 Amp wall service on 120V), up to 11.5 kW (48 Amp wall service on 240V)
.09.00	Accessories which draw energy from the batteries Cabin Heater, Air Conditioner, Battery Heater, Accessory Power Module (12V)
.10.00	Other unique features (e.g. solar panels) SAE Type 3 Fast Charging
.11.00	Description of warning system(s) for maintenance / malfunction Service Vehicle Soon indicator on instrument panel cluster.
.01	Cut off terminal voltages for prevention of battery damage 200V
09.00.00	(Reserved)
10.00.00	(Reserved)
11.00.00	Starting and shifting schedules See GM Application for Certification SGMXT00.0007
12.00.00 through 16.00.00	(Reserved)
17.00.00	California requirements
.01.00	Statement of compliance
.01	General statement
.02	Drivability statement
.02.00	Supplemental Data and Certification Review Sheets
.03.00	(Reserved)
.04.00	Credits
.01	Description of multi-manufacturer arrangements Not applicable

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<u>Section No.</u>	<u>Title</u>
.02	Credit calculation Per calculation for Zero-Emission Vehicle Standards for 2026 and Subsequent Model Year Passenger Cars and Light-Duty Trucks.
.05.00	Vehicle Safety
.01	All information for safe operation of vehicle See first responder section of Owner's Manual
.02	Information on safe handling of battery system See first responder section of Owner's Manual
.03	Description of emergency procedures See first responder section of Owner's Manual
.06.00	(Reserved)