

MY 2021

C8

(MAINT - ABNORMAL)

12-18-20

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CHEV (CUSTOMER SERVICE)

	<u>CUSTOMER SATISFACTION</u>
<u>CUSTOMER SATISFACTION</u> **P-308 (Owners)	<p>Your satisfaction and goodwill are important to your dealer and to Chevrolet. Normally, any concerns with the sales transaction or the operation of the vehicle will be resolved by your dealer's sales or service departments. If your concern has not been resolved to your satisfaction, the following steps should be taken:</p> <p><u>STEP ONE :</u></p> <p>Discuss your concern with a member of dealership management. Normally, concerns can be quickly resolved at that level. If the matter has already been reviewed with the sales, service, or parts manager, contact the owner of your dealership or the general manager.</p> <p><u>STEP TWO :</u></p> <p>If after contacting a member of dealership management, it appears your concern cannot be Chevrolet Corvette Owner Manual (GMNA-Localizing-U.S./Canada/Mexico12470550) - 2020 - CRC - 11/20/19 304 Customer Information resolved by your dealership without further help, in the U.S., call the Chevrolet Customer Assistance Center at 1-800-222-1020.</p> <p><u>Have the following information available to give the Customer Assistance representative: .</u></p> <ul style="list-style-type: none"> • Vehicle Identification Number (VIN). This is available from the vehicle registration or title, or the plate at the top left of the instrument panel and visible through the windshield. . • Dealership name and location. . • Vehicle delivery date and present mileage.

	<u>COURTESY TRANSPORTATION</u>
<u>TRANSPORTATION (COURTESY)</u> **P-313 (Owners)	<p>To enhance your ownership experience, we and our participating dealers are proud to offer Courtesy Transportation, a customer support program for vehicles with the Bumper-to-Bumper Warranty (3 Years or 36000 Miles)</p>
<u>TRANSPORTATION (OPTIONS)</u> **P-313 (Owners)	<p>Warranty service can generally be completed while you wait. However, if you are unable to do so, your dealer may offer the following transportation options:</p> <p><u>Shuttle Service</u>-This includes one-way or round-trip shuttle service within reasonable time and distance parameters of your dealer's area.</p> <p><u>Public Transportation or Fuel Reimbursement</u>- If overnight warranty repairs are needed, and public transportation is used, the expense must be by original receipts and within the maximum amount allowed by GM. If U.S. customers arrange their own transportation, limited reimbursement for reasonable fuel expenses may be available.</p> <p><u>Courtesy Rental Vehicle For an overnight warranty repair</u>, the dealer may provide an available courtesy rental vehicle or provide for reimbursement of a rental vehicle. Reimbursement is limited and must be supported by original receipts as well as a signed and completed rental agreement and meet state/ provincial, local, and rental vehicle provider requirements. Requirements vary and may include minimum age requirements, insurance coverage, credit card, etc. Additional fees such as fuel, rental vehicle insurance, taxes, levies, usage fees, excessive mileage, or rental usage beyond the completion of the repair are also your responsibility. May not be possible to provide a vehicle .</p>

ROADSIDE- (ASSISTANCE)

	ROADSIDE (ASSISTANCE)
<u>ROADSIDE ASSISTANCE</u> (CALLING) **P-311 (Owners)	CHEV Roadside Assistance Program Call 1-800-243-8872. Service is available 24 hours a day, 365 days a year. ONSTAR® ROADSIDE ASSISTANCE If you have a current OnStar Safety & Security Plan, push the blue OnStar button or red Emergency button to get the help you need. An OnStar advisor will use GPS technology to pinpoint your vehicle location and contact the nearest service provider.
<u>COVERAGE PERIOD</u> (ROADSIDE ASSISTANCE) **P-312 (Owners) ** (Warranty Manual)	Services are provided for the duration of the vehicle's powertrain warranty (5 Years or 60000 Miles)
<u>SERVICES PROVIDED</u> (ROADSIDE ASSISTANCE) **P-312 (Owners) ** (Warranty Manual)	<ul style="list-style-type: none"> • <u>Emergency Fuel Delivery:</u> Delivery of enough fuel for the vehicle to get to the nearest service station. • <u>Lock-Out Service:</u> Service to unlock the vehicle if you are locked out. A remote unlock may be available if you have OnStar. For security reasons, the driver must present identification before this service is given. . • <u>Emergency Tow</u> from a Public Road or Highway: Tow to the nearest Chevrolet dealer for warranty service, or if the vehicle was in a crash and cannot be driven. Assistance is not given when the vehicle is stuck in the sand, mud, or snow. . • <u>Flat Tire Change:</u> Service to change a flat tire with the spare tire. The spare tire, if equipped, must be in good condition and properly inflated. It is the owner's responsibility for the repair or replacement of the tire if it is not covered by the warranty. . • <u>Battery Jump Start:</u> Service to jump start a dead battery. . • <u>Trip Interruption Benefits and Assistance:</u> If your trip is interrupted due to a warranty event, incidental expenses may be reimbursed within the Powertrain warranty period. Items considered are reasonable and customary hotel, meals, rental car, or a vehicle being delivered back to the customer, up to 500 miles.
<u>SERVICES (NOT) INCLUDED</u> (ROADSIDE ASSISTANCE) **P-312 (Owners) ** (Warranty Manual)	<ul style="list-style-type: none"> • Impound towing caused by violation of any laws . • Legal fines . • Mounting, dismounting, or changing of snow tires, chains, or other traction devices • Service is not provided if a vehicle is in an area that is not accessible to the service vehicle or is not a regularly traveled or maintained public road, which includes ice and winter roads. Off-road use is not covered.

WARRANTY

<u>FIRST VISIT COVERED</u> (Warranty Manual)	<p><u>Your first visit is covered.</u></p> <p>During the first 12 months of ownership of your 2019 or newer vehicle, we cover one maintenance visit consisting of the following: oil and oil filter change, multi-point vehicle inspection, diesel exhaust fluid tank refill for diesel-equipped models, and tire rotation according to your vehicle's maintenance schedule.[†]</p> <p>Maintenance visit must occur within first year of vehicle delivery. Service visit consists of ACDelco oil and filter change/tire rotation/MPVI.</p>
<u>ALL (WARRANTIES)</u> (Warranty Manual) **P-2 (Warranty)	<p><u>BUMPER-TO-BUMPER (3 YEARS or 36000 MILES)-</u></p> <ul style="list-style-type: none"> For 3 years or 36,000 miles,[†] whichever comes first, any vehicle defect repairs are covered. Your original tires are covered too, but are prorated after 12,000 miles. <p><u>POWERTRAIN (5 YEARS or 60000 MILES)-</u></p> <ul style="list-style-type: none"> The powertrain, consisting of your engine, drive systems, transmission/transaxle, transfer case and emission control systems, has coverage extending to 5 years or 60,000 miles,[†] whichever comes first. <p><u>ANTI-CORROSION (6 YEARS or 100000 MILES)-</u></p> <ul style="list-style-type: none"> GM vehicles are designed and built to resist corrosion. All body and sheet metal components are warranted against rust-through corrosion for 6 years or 100,000 miles,[†] whichever comes first.
<u>ROADSIDE ASSISTANCE</u> (Warranty Manual) **P-37 (Warranty)	<p>Enjoy the response, security and convenience of 24-hour Roadside Assistance and Courtesy Transportation for 5 years or 60,000 miles, whichever comes first.</p> <p><u>Roadside Assistance includes:</u>[†]</p> <ul style="list-style-type: none"> 24/7 toll-free phone assistance Emergency towing to your nearest Chevrolet dealer Flat-tire fix or change Battery jump start Vehicle unlock service Emergency fuel delivery
<u>CONNECTED ACCESS</u> (Warranty Manual)	<p>Your new Chevrolet includes 10 years of standard connectivity with Connected Access[†] — giving you services like Chevrolet Smart Driver and Vehicle Diagnostics. Confidence, connection and easy-to-use features that bring more to your ownership experience. Here's what Connected Access offers:</p> <ul style="list-style-type: none"> Monthly Vehicle Diagnostics Report Dealer Maintenance Notifications Chevrolet Smart Driver Marketplace

SUMMARY- (YEARLY MAINT SERVICE)

MAINT DUE WHEN	(FREQ)	SERVICE TO PERFORM (Footnote)
<u>1 YEAR</u> - (NEXT DUE 2022) *HOSES & LINES VISUAL CHECK	Every 1 Year	(2) Visually check all fuel and vapor lines and hoses for proper attachment, connection, routing, and condition.
<u>1 YEAR</u> - (NEXT DUE 2022) *WIPER BLADES	Every 1 Year	(10) Or every 12 months, whichever comes first. See Wiper Blade Replacement P-236.
<u>2 YEAR</u> - (NEXT DUE 2023) *PASSENGER COMP AIR FILTER- REPLACE	Every 2 Years	(1) Or every two years, whichever comes first. More frequent passenger compartment air filter replacement may be needed if driving in areas with heavy traffic, poor air quality, high dust levels, or environmental allergens. Passenger compartment air filter replacement may also be needed if there is reduced airflow, window fogging, or odors.
<u>3 YEAR</u> - (NEXT DUE 2024) *DUAL CLUTCH TRANSMISSION FLUID LIFE- CHECK. CHANGE FLUID IF NEEDED.	Every 3 Years	(4) Or every three years, whichever comes first. If the vehicle mileage is near the canister filter replacement interval, replace the fluid and filter. More frequent fluid and filter replacement may be needed if the vehicle is competitively or aggressively driven.
<u>4 YEAR</u> - (NEXT DUE 2025) *ENGINE AIR CLEANER- INSPECT	Every 4 Years	(3) Or every four years, whichever comes first. If driving in dusty conditions, inspect the filter at each oil change or more often as needed. See Engine Air Cleaner/Filter P-224.
<u>5 YEAR</u> - (NEXT DUE 2026) *ENGINE COOLING SYSTEM- DRAIN-FILL	Every 5 Years	(6) Or every five years, whichever comes first. See Cooling System P-226.
<u>5 YEAR</u> - (NEXT DUE 2026) *BRAKE FLUID- REPLACE	Every 5 Years	(8) Replace brake fluid every five years. See Brake Fluid P-233.
<u>7 YEAR</u> - (NEXT DUE 2028) *AIR CONDITIONING FILTER- REPLACE	Every 7 Years	(12) Replace air conditioning desiccant every seven years.
<u>10 YEAR</u> - (NEXT DUE 2031) *ACCESSORY DRIVE BELTS- VISUAL CHECK	Every 10 Years	(7) Or every 10 years, whichever comes first. Inspect for fraying, excessive cracking, or damage; replace, if needed.
<u>10 YEAR</u> - (NEXT DUE 2031) *HATCH-TRUNK SUPPORT GAS STRUTS- REPLACE	Every 10 Years	(11) Or every 10 years, whichever comes first. See Gas Strut(s) P-237.

SUMMARY- (MILEAGE MAINT SERVICE-1)

MAINT DUE	SERVICE TO PERFORM
<u>7500 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER *TRANSMISSION FLUID *TRANSMISSION FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHECK- Transmission Fluid Life Percentage (Less Than 10%- CHANGE- Transmission Fluid) • CHANGE- Transmission Filter (Initial 7500 miles)
<u>15000 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHANGE- Wiper Blades
<u>22500 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER *PASSENGER COMP AIR FILTER *TRANSMISSION FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • REPLACE- Passenger Comp Air Filter • REPLACE- Transmission Filter (Less Than 10%- CHANGE- Transmission Fluid & Filter)
<u>30000 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHANGE- Wiper Blades
<u>37500 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed)
<u>45000 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER *PASSENGER COMP AIR FILTER *ENGINE AIR FILTER *TRANSMISSION FLUID *TRANSMISSION FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • REPLACE- Passenger Comp Air Filter • CHECK- Evaporative Control System (Engine Air Filter) • CHECK- Transmission Fluid Life Percentage (Less Than 10%- CHANGE- Transmission Fluid & Filter) • CHANGE- Wiper Blades
<u>52500 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed)
<u>60000 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHANGE- Wiper Blades
<u>67500 MILES (NEXT DUE)</u> *ENGINE OIL & Oil FILTER *WIPER BLADES *PASSENGER COMP AIR FILTER *TRANSMISSION FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • REPLACE- Passenger Comp Air Filter • REPLACE- Transmission Filter (Less Than 10%- CHANGE- Transmission Fluid & Filter)

SUMMARY- (MILEAGE MAINT SERVICE-2)

<u>75000 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER *WIPER BLADES *HATCH/TRUNK GAS STRUTS	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHANGE- Wiper Blades • CHANGE- Hatch/Trunk Gas Struts
<u>82500 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed)
<u>90000 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER *PASSENGER COMP AIR FILTER *ENGINE AIR FILTER *TRANSMISSION FLUID *TRANSMISSION FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • REPLACE- Passenger Comp Air Filter • CHECK- Evaporative Control System (Engine Air Filter) • CHECK- Transmission Fluid Life Percentage (Less Than 10%-CHANGE- Transmission Fluid & Filter) • CHANGE- Wiper Blades
<u>97500 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER *SPARK PLUGS *SPARK PLUG WIRES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHANGE- Spark Plugs • CHECK- Spark Plug Wires
<u>105000 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHANGE- Wiper Blades
<u>112500 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER *PASSENGER COMP AIR FILTER *TRANSMISSION FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • REPLACE- Passenger Comp Air Filter • CHECK- Transmission Fluid Life Percentage (Less Than 10%-CHANGE- Transmission Fluid & Filter)
<u>120000 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • CHANGE- Wiper Blades
<u>127500 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed)
<u>135000 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER *PASSENGER COMP AIR FILTER *ENGINE AIR FILTER *TRANSMISSION FLUID *TRANSMISSION FILTER *WIPER BLADES	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed) • REPLACE- Passenger Comp Air Filter • CHECK- Evaporative Control System (Engine Air Filter) • CHECK- Transmission Fluid Life Percentage (Less Than 10%-CHANGE- Transmission Fluid & Filter) • CHANGE- Wiper Blades
<u>142500 MILES (NEXT DUE)</u> *ENGINE OIL & OIL FILTER	<ul style="list-style-type: none"> • PERFORM- Yearly Services • CHECK- Engine Oil Life Percentage (Change If Needed) • CHECK- Engine Air Filter Percentage (Change If Needed)

CHART- (FOOTNOTES- MAINT SCHEDULE)****P-298 (Owners)****FOOTNOTES- (MAINTENANCE SCHEDULE)**

(1)	<u>EVERY (2 YEARS)</u> Or every two years, whichever comes first. More frequent passenger compartment air filter replacement may be needed if driving in areas with heavy traffic, poor air quality, high dust levels, or environmental allergens. Passenger compartment air filter replacement may also be needed if there is reduced airflow, window fogging, or odors. Your GM dealer can help determine when to replace the filter.
(2)	<u>EVERY (1 YEARS)</u> Visually check all fuel and vapor lines and hoses for proper attachment, connection, routing, and condition.
(3)	<u>EVERY (4 YEARS)</u> Or every four years, whichever comes first. If driving in dusty conditions, inspect the filter at each oil change or more often as needed. See Engine Air Cleaner/Filter P-224.
(4)	<u>EVERY (3 YEARS)</u> Or every three years, whichever comes first. If the vehicle mileage is near the canister filter replacement interval, replace the fluid and filter. More frequent fluid and filter replacement may be needed if the vehicle is competitively or aggressively driven. This service can be complex. See your dealer.
(5)	<u>EVERY (7500 Miles 1ST – Then Every 22500 Miles)</u> Check the transmission fluid life percentage. If the percentage is less than 10%, replace the fluid and filter. The initial transmission canister filter change must be performed at 12 000 km (7,500 mi), and every 36 000 km (22,500 mi) thereafter. This service can be complex. See your dealer.
(6)	<u>EVERY (5 YEARS)</u> Or every five years, whichever comes first. See Cooling System P-226.
(7)	<u>EVERY (10 YEARS)</u> Or every 10 years, whichever comes first. Inspect for fraying, excessive cracking, or damage; replace, if needed.
(8)	<u>EVERY (5 YEARS)</u> Replace brake fluid every five years. See Brake Fluid P-233.
(9)	<u>EVERY (5 YEARS)</u> Replace front lift system fluid every five years. See Recommended Fluids and Lubricants P-296.
(10)	<u>EVERY (1 YEARS)</u> Or every 12 months, whichever comes first. See Wiper Blade Replacement P-236.
(11)	<u>EVERY (10 YEARS)</u> Or every 10 years, whichever comes first. See Gas Strut(s) P-237.
(12)	<u>EVERY (7 YEARS)</u> Replace air conditioning desiccant every seven years.

SUMMARY (FLUIDS - LUBRICANTS)

	<u>FLUIDS & LUBRICANTS</u>
FUEL (TYPE) **P-225 (Owners)	<p>(TOP TIER 93 Octane)</p> <p>Recommended Fuel Use premium unleaded gasoline meeting ASTM specification D4814 with a posted octane rating of 93 — (R+M)/2.</p> <ul style="list-style-type: none"> If unavailable, unleaded gasoline with a posted octane rating of 91 may be used, but with reduced performance and fuel economy. <p>CAUTION-</p> <ul style="list-style-type: none"> Do not use any fuel labeled E85 or Flex Fuel. Do not use gasoline with ethanol levels greater than 15% by volume. For vehicles that are not Flex Fuel, fuel labeled greater than 15% ethanol by volume, such as mid-level ethanol blends (16–50% ethanol), E85, or Flex Fuel. Fuel with any amount of methanol, methylal, ferrocene, and aniline. These fuels can corrode metal fuel system parts or damage plastic and rubber parts. Fuel containing metals such as methylcyclopentadienyl manganese tricarbonyl (MMT), which can damage the emissions control system and spark plugs. Fuel with a posted octane rating of less than the recommended fuel. Using this fuel will lower fuel economy and performance, and may decrease the life of the emissions catalyst. <p>Fuel Additives</p> <ul style="list-style-type: none"> TOP TIER Detergent Gasoline is highly recommended for use with your vehicle. If your country does not have TOP TIER Detergent Gasoline, add ACDelco Fuel System Treatment Plus–Gasoline to the vehicle's gasoline fuel tank at every oil change or 15 000 km (9,000 mi), whichever first. TOP TIER Detergent Gasoline and ACDelco Fuel System Treatment Plus–Gasoline will help keep your vehicle's engine fuel deposit free and performing optimally.
ENGINE OIL (TYPE) **P-240/301 (Owners)	<ul style="list-style-type: none"> GM recommends Mobil 1 dexos2 full synthetic is recommended Dexos2 approved logo. Use SAE 0W-40 viscosity grade engine oil.
WASHER FLUID (TYPE) **P-249/301 (Owners)	<ul style="list-style-type: none"> Automotive windshield washer fluid that meets regional freeze protection requirements. Do not use washer fluid that contains any type of water repellent coating. This can cause the wiper blades to chatter or skip. . Do not use engine coolant (antifreeze) in the windshield washer. It can damage the windshield washer system and paint. . Do not mix water with ready-to-use washer fluid. Water can cause the solution to freeze and damage the washer fluid tank and other parts of the washer system. . When using concentrated washer fluid, follow the manufacturer instructions for adding water. .
ENGINE COOLANT **P-246/301 (Owners)	<p>40/60 coolant/water mixture of clean, drinkable water and use only DEX-COOL Coolant</p>
CHASSIS LUBRICATION **P-301 (Owners)	<p>Chassis lubricant meeting requirements of NLGI #2, Category LB or GC-LB.</p>
BRAKE FLUID **P-301 (Owners)	<p>GM approved DOT 4 brake fluid as indicated on the reservoir cap</p>
TRANSMISSION FLUID **P-301 (Owners)	<p>ACDelco Dual-Clutch Transmission (DCT) Fluid-FFL-4 fluid. PART # 10-4130 / 19418016</p>

PAGE-10	MAINTENANCE	12-18-20
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SUMMARY (PARTS-CAPACITIES-SPECS-DATA)

PARTS **P-301/302 (Owners)

	<u>PARTS</u>
Passenger Compartment Air Filter Element	GM PART # 13508023 - AC DELCO PART # CF185
Spark Plug	GM PART # 12622442 - AC DELCO PART # 41-149
External Transmission Filter Kit	GM PART # 24299326
Wiper Blades	Driver Side – 600 mm (23.6 in) GM PART # 84566977 Passenger Side – 525 mm (20.7 in) GM PART # 84566978
Engine Air Cleaner/Filter	GM PART # 84378662 - AC DELCO PART # A3249C
Engine Oil Filter	GM PART # 12696048 - AC DELCO PART # PF64

CAPACITIES **P-305 (Owners)

	<u>CAPACITIES</u>
Air Conditioning Refrigerant	For the air conditioning system refrigerant charge type and amount, see refrigerant label under the hood. See your dealer for more information.
Engine Cooling System	21.7 qt (without Performance Package)
Engine Oil with Filter	7.5 qt
Fuel Tank	18.5 gal

ENGINE SPECIFICATION **P-306 (Owners)

ENGINE	VIN CODE	TRANSMISSION	SPARK PLUG GAP	FIRING ORDER
(LT2) 6.2L V8 Engine	4	Dual Clutch Transmission	(95-1.10) mm (0.037-0.043) in	1-8-7-2-6-5-4-3

ENGINE DATA **P-306 (Owners)

Engine	Horsepower	Torque	Displacement	Compression Ratio
6.2L V8 Engine (LT2) with Performance Exhaust	495	470 lb ft	6.2 L	11.5:1

WHEELS - TIRES – BRAKES **P-267 to 278 (Owners)

WHEELS

- Wheel Nut Torque 140 lb ft
- Front: 19-inch x 8.5-inch (w/5 x 120mm bolt pattern)
- Rear: 20-inch x 11-inch (w/5 x 120mm bolt pattern)

TIRES

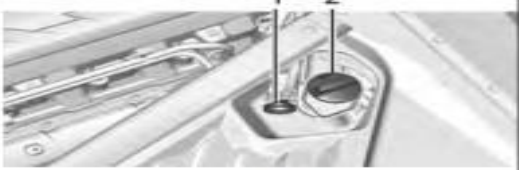
- TYPE - Michelin Pilot Sport ALS
- Front: SIZE - 245/35ZR19 (COLD INFLATION= 38 psi) (ROTATE Every 7500 miles- Left to Right)
- Rear: SIZE - 305/30ZR20 (COLD INFLATION= 38 psi) (ROTATE Every 7500 miles- Left to Right)

BRAKES- Brembo four-piston/two-piece front calipers and four-piston/monobloc rear Calipers


Brake Rotor Size (in / mm) (Non Z51):

- Front: 12.6 x 1.18 (321 x 30)
- Rear: 13.6 x 1.02 (339 x 26)

ENGINE OIL- (MAINT 1)****P- 238 to 241 (Owners)**

**P-10 (Performance)	<u>ENGINE OIL- PAGE 1 of 2</u>
<u>1st OIL CHANGE</u> (ENGINE OIL) (Warranty Manual)	<p>(7500 Miles) Your first visit is covered.</p> <p>During the first 12 months of ownership of your 2019 or newer vehicle, we cover one maintenance visit consisting of the following: oil and oil filter change, multi-point vehicle inspection, diesel exhaust fluid tank refill for diesel-equipped models, and tire rotation according to your vehicle's maintenance schedule.[†]</p> <p>Maintenance visit must occur within first year of vehicle delivery. Service visit consists of ACDelco oil and filter change/tire rotation/MPVI.</p>
<u>WHEN TO CHANGE</u> (ENGINE OIL) **P-241 (Owners)	<p>NOTE- This vehicle has a computer that indicates when to change the engine oil and filter. (Every 7500 Miles)</p> <ul style="list-style-type: none"> • This is based on a combination of factors which include engine revolutions, engine temperature, and miles driven. • Based on driving conditions, the mileage at which an oil change is indicated can vary considerably. • For the oil life system to work properly, the system must be reset every time the oil is changed. • When the system has calculated that oil life has been diminished, it indicates that an oil change is necessary. A CHANGE ENGINE OIL SOON message comes on. Change the oil as soon as possible within the next 1 000 km (600 mi). • The engine oil and filter must be changed at least once a year and, at this time, the system must be reset.
<u>HOW TO CHECK</u> (ENGINE OIL) **P-238 (Owners)	<p>NOTE-</p> <ul style="list-style-type: none"> • Check the engine oil level regularly, every (400 mi), and prior to a long trip. • To get an accurate reading, the vehicle must be parked on level ground. • The engine oil level must be checked when the engine is warm and while the engine is running at idle. • Cold oil level in the dry sump tank may not indicate the actual amount of oil in the system. <p>TO CHECK THE ENGINE OIL:</p> <ol style="list-style-type: none"> 1. Turn the engine on and let it warm up to at least 80 °C (175 °F). 2. Once the engine is warm, check the oil while the engine is running at idle. 3. Remove the dipstick and wipe it with a clean lint-free paper towel or a cloth. Re-insert the dipstick and push it all the way in until it stops. 4. Remove the dipstick again and read the level on the cross-hatched area. 5. Turn the engine off <div data-bbox="306 1219 921 1528"> <p>Checking the Engine Oil</p>  <p>1. Engine Oil Dipstick 2. Engine Oil Fill Cap</p> </div>

ENGINE OIL- (MAINT 2)

**P-10 (Performance)	<u>ENGINE OIL- PAGE 2 of 2</u>
<p>HOW TO ADD (ENGINE OIL)</p> <p>**P-239 (Owners)</p>	<p>CAUTION-</p> <ul style="list-style-type: none"> • The engine oil dipstick handle may be hot; it could burn you. Use a towel or glove to touch the dipstick handle. • Do not add too much oil. • Oil levels above or below the acceptable operating range shown on the dipstick are harmful to the engine. • If the oil level is above the operating range (i.e., the engine has so much oil that the oil level gets above the cross-hatched area that shows the proper operating range), the engine could be damaged. • Drain the excess oil or limit driving of the vehicle, and seek a service professional to remove the excess oil. <div data-bbox="439 513 966 789">  </div> <ol style="list-style-type: none"> 1- If the oil is below the cross-hatched area at the tip of the dipstick, add 1 L (1 qt) of the recommended oil through the oil fill cap opening in the oil tank fill tube. 2- Recheck the Oil level. 3- Add enough oil to put the level somewhere in the proper operating range. 4- Push the dipstick all the way back into the oil tank tube when finished.
<p><u>RESET LIFE SYSTEM (ENGINE OIL)</u></p> <p>**P-241 (Owners)</p>	<p><u>NOTE-</u> Reset the system whenever the engine oil is changed so that the system can calculate the next engine oil change.</p> <p><u>TO RESET-</u></p> <ol style="list-style-type: none"> 1- Scroll through the DIC Info Pages menu until the REMAINING OIL LIFE percentage is displayed. See (DIC) P- 108. 2- Press and hold SEL on the DIC while the Oil Life display is active. The oil life will change to 100%. 3- If the CHANGE ENGINE OIL SOON message comes back on when the vehicle is started, the engine oil life system has not reset. Repeat the procedure.
<p><u>ENGINE OIL (TYPE)</u></p> <p>**P-240 (Owners)</p>	<p><u>ENGINE OIL (TYPE)-</u></p> <ul style="list-style-type: none"> • Oils that have been approved by GM as meeting the dexos2 specification are marked with the dexos2 approved logo. • See www.gmdexos.com. GM recommends Mobil 1 engine oils that show the dexos2 approved logo. • Do NOT add any (Additives) or (Flushes). <p><u>ENGINE OIL (VISCOSITY)-</u></p> <ul style="list-style-type: none"> • Use SAE 0W-40 viscosity grade engine oil.

TRANSMISSION FLUID- (MAINT)

**P-11 (Performance)	<u>TRANSMISSION FLUID</u>
<p><u>WHEN TO CHANGE</u> (TRANSMISSION FLUID) **P242 (Owners)</p>	<p><u>NOTE</u>- This vehicle has a computer that indicates when to change the transmission fluid.</p> <ul style="list-style-type: none"> This is based on a combination of factors which include temperature and miles driven. Based on driving conditions, the mileage at which a fluid change is indicated can vary considerably. When the system has calculated that fluid life has been diminished, it indicates that a fluid change is necessary. A CHANGE TRANSMISSION FLUID SOON message comes on. Change the fluid as soon as possible within the next 1 000 km (600 mi). <p><u>7500 MILES</u>- The engine oil and filter gets changed at 7,500 miles; at that time the <u>DCT's canister filter</u> also gets changed (probably with a fluid top up as a result).</p>
<p><u>HOW TO CHECK</u> (TRANSMISSION FLUID) **P241 (Owners)</p>	<ul style="list-style-type: none"> It is not necessary to check the transmission fluid level. A transmission fluid leak is the only reason for fluid loss. The vehicle is not equipped with a transmission fluid level dipstick. There is a special procedure for checking and changing the transmission fluid. Because this procedure is difficult, this should be done at the dealer. This vehicle has a computer that indicates when to change the transmission fluid. This is based on a combination of factors which include temperature and miles driven. Based on driving conditions, the mileage at which a fluid change is indicated can vary considerably. When the system has calculated that fluid life has been diminished, it indicates that a fluid change is necessary. A CHANGE TRANSMISSION FLUID SOON message comes on.
<p><u>RESET LIFE SYSTEM</u> (TRANSMISSION FLUID) **P242 (Owners)</p>	<p><u>NOTE</u>- Reset the system whenever the transmission fluid is replaced so that the system can calculate the next transmission fluid change.</p> <p><u>TO RESET LIFE SYSTEM</u>-</p> <ol style="list-style-type: none"> Place the vehicle in P (Park). Select the Oil & Fluid Life page under the Maintenance DIC menu. See Driver Information Center (DIC) P-108. Press the thumbwheel under the Oil & Fluid Life page to move to the Reset/Disable display area. Select Reset Transmission Fluid with the thumbwheel scroll then press the thumbwheel. Then press Yes to confirm the reset. When the Transmission Fluid Life System is successfully reset, 100% Transmission Fluid Life will be displayed.
<p><u>TRANSMISSION FLUID</u> (TYPE) **P-301 (Owners)</p>	<ul style="list-style-type: none"> AC Delco Dual-Clutch Transmission (DCT) Fluid-FFL-4 fluid. PART # <u>10-4130 / 19418016</u>

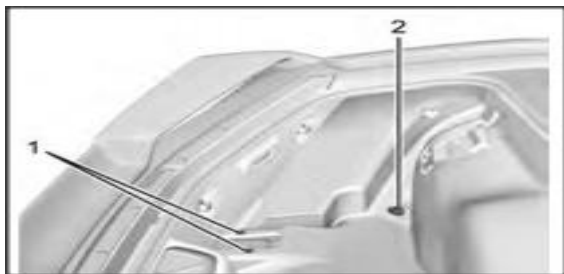
ENGINE AIR FILTER- (MAINT 1)**(ENGINE) AIR FILTER - PAGE 1 of 3****HOW TO CHECK
(ENGINE AIR FILTER)
P-243 (Owners)**CAUTION-**

- If water is sprayed and enters the engine air cleaner/filter intake and housing, the engine could be damaged. The repairs would not be covered by the vehicle warranty.
- Do not start the engine or have the engine running with the engine air cleaner/filter housing open.
- Before removing the engine air cleaner/ filter, make sure that the engine air cleaner/filter housing and nearby components are free of dirt and debris.
- Do not clean the engine air cleaner/filter or components with water or compressed air.

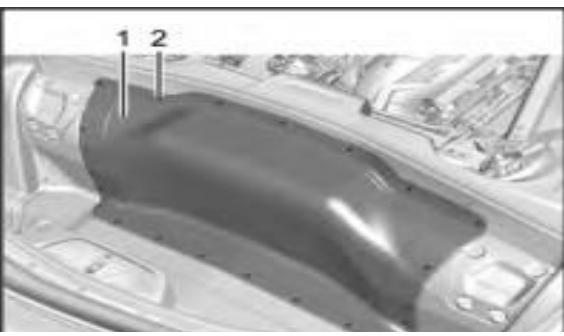
- 1- Remove the convenience net, if equipped.
- 2- Remove the four lift off Bracket Bolts (2) to remove the brackets (1)



- 3- Remove the convenience net hooks (2) and plastic retainers (1).
- 4- Remove the carpet.



5. Remove the rear compartment access panel screws (2) and panel (1).

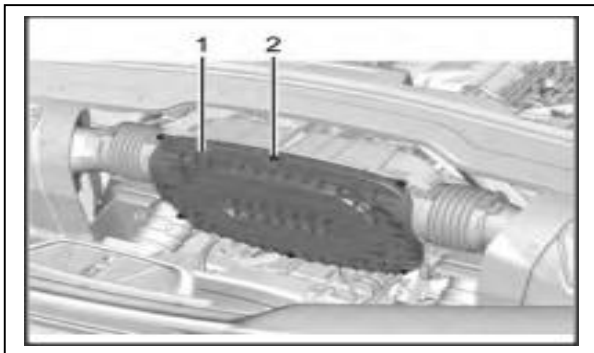


ENGINE AIR FILTER- (MAINT 2)

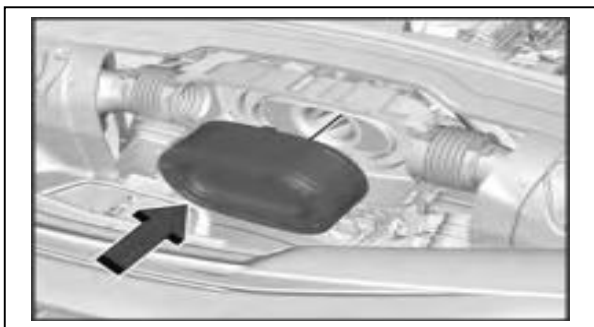
(ENGINE) AIR FILTER - PAGE 2 of 3

HOW TO CHECK- Cont.
(ENGINE AIR FILTER)
****P-244 (Owners)**

6. Remove the air cleaner cover screws (2) and cover (1).



7. Remove the air cleaner/filter.
 8. Inspect or replace the air Cleaner Filter.
 9. Reverse Steps 2-7 to replace the air Cleaner/Filter



CAUTION-

If water is sprayed and enters the engine air cleaner/filter intake and housing, the engine could be damaged. The repairs would not be covered by the vehicle warranty

WHEN TO CHANGE
(ENGINE AIR FILTER)
****P-243 (Owners)**

WHEN TO (CHANGE) ENGINE AIR FILTER-

- If equipped, this feature provides an indication of when to change the engine air filter.
- It is based on driving conditions, which can cause when to change to vary greatly.
- It is possible an air filter change may not be indicated for up to four years.

MESSAGE- ("Replace at Next Oil Change")-

- The engine air filter should be replaced at the time of the next engine oil change.
- Reset the engine air filter life system after the engine air filter is replaced. See your dealer for service and to reset the system.

MESSAGE- ("Replace Engine Air Filter Now")-

- The engine air filter should be replaced as soon as possible.
- Reset the engine air filter life system after the engine air filter is replaced. See your dealer for service and to reset the system.

ENGINE AIR FILTER- (MAINT 3)

(ENGINE) AIR FILTER - PAGE 3 of 3

RESET LIFE SYSTEM (ENGINE AIR FILTER)

**P-243 (Owners)

(RESET FILTER LIFE SYSTEM)

NOTE- Reset the system whenever the engine air filter is replaced so that the system can calculate the next engine air filter change.

TO RESET-

- 1- Place the vehicle in P (Park).
- 2- Select Air Filter Life under the Maintenance DIC menu. See Driver Information Center (DIC) P- 108.
- 3- Press the thumbwheel under the Air Filter Life page to move to the Reset/Disable area. Select Reset Air Filter Life with the thumbwheel scroll and then press the thumbwheel. Press Yes to confirm the reset.
- 4- When the Engine Air Filter Life System is successfully reset, 100% Air Filter Life will be displayed.

ENGINE AIR FILTER (TYPE)

**P-301 (Owners)

- GM PART # 84378662 -
- AC DELCO PART # A3249C

WARNING-

If part replacement is necessary, the part must be replaced with one of the same part number or with an equivalent part. Use of a replacement part without the same fit, form, and function may result in personal injury or damage to the vehicle

WARNING-

Operating the engine with the air cleaner/filter off can cause you or others to be burned. Use caution when working on the engine. Do not start the engine or drive the vehicle with the air cleaner/ filter off, as flames may be present if the engine backfires.

CAUTION-

If the air cleaner/filter is off, dirt can easily get into the engine, which could damage it. Always have the air cleaner/ filter in place when driving.

PASS COMPARTMENT AIR FILTER- (MAINT)

(PASSAGER COMPARTMENT) AIR FILTER

HOW TO CHECK

(PASS COMP AIR FILTER)

**P-173 (Owners)

NOTE-

- The passenger compartment air filter reduces dust, pollen, and other airborne irritants from outside air that is pulled into the vehicle. Reductions in airflow, which may occur in dusty areas,
- Driving without a passenger compartment air filter in place can cause water and small particles, like paper and leaves, to be pulled into your climate control system which may cause damage to it.

TO CHECK or REPLACE- The passenger compartment air filter is located under the hood between the battery and windshield. See Under hood Compartment Overview P-234

- 1- Release the four clips for the left and right outer covers.



- 2- Release the five clips and remove the outer cover



- 3- Press two push tabs on the top and on the bottom of the cabin air filter cover and remove the cover.
 4- Remove the air filter.
 5- Install the new air filter and cover.
 6- Install the outer cover.
 7- Install the right and left outer covers.



PASS COMP AIR FILTER
 (TYPE)

**P-301 (Owners)

- **GM PART # 13508023** -
- **AC DELCO PART # CF185**

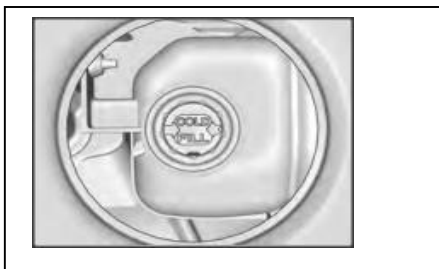
ENGINE COOLANT- (MAINT 1)

HOW TO CHECK (ENGINE COOLANT)

****P-246 (Owners)**

CHECKING LEVEL (SURGE TANK)

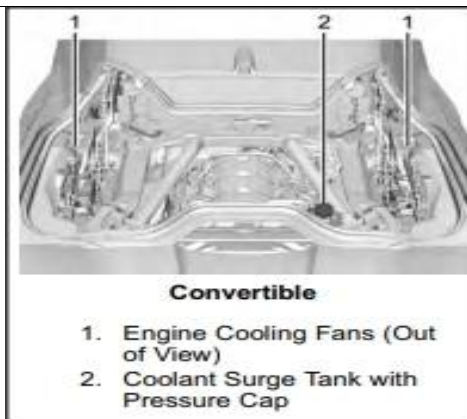
- Be sure the cooling system is cool and that the vehicle is on a level surface.
- Check to see if coolant is visible in the coolant surge tank.
- If the coolant inside the coolant surge tank is boiling, do not do anything else until it cools down.
- If coolant is visible but the coolant level is not at or above the cold fill line, add a mixture of 40% DEX-COOL coolant and 60% clean, drinkable water at the coolant recovery tank, but be sure the cooling system is cool before this is done.
- When the engine is cold, the coolant level should be at the COLD FILL indicator in the coolant surge tank. When the engine is hot, the level could be higher than the COLD FILL indicator.
- If the coolant is below the COLD FILL indicator when the engine is hot, there could be a leak in the cooling system. If the coolant is low, add the coolant or take the vehicle to your dealer for service.



HOW TO ADD (Engine Coolant)

****P-247 (Owners)**

1. Open the Hatch/Trunk



ENGINE COOLANT- (MAINT 2)

HOW TO ADD- Cont.

(Engine Coolant)

****P-247 (Owners)**

2. When the cooling system, including the coolant surge tank pressure cap and engine, is no longer hot, remove the pressure cap. Turn the pressure cap slowly counterclockwise about one-quarter turn and then stop. If a hiss is heard, wait for that to stop. A hiss means there is still some pressure left.
3. Keep turning the pressure cap slowly, and remove it.
4. Fill the coolant surge tank with the proper mixture until the level inside stabilizes at the COLD FILL indicator in the surge tank.
5. With the coolant surge tank pressure cap off, start the engine and let it run until the engine is hot. By this time, the coolant level inside the coolant surge tank may be lower. If the level is lower, add more of the proper mixture to the coolant surge tank until the level stabilizes at the COLD FILL indicator in the coolant surge tank.
6. Replace the pressure cap tightly.
7. Verify coolant level after the engine is shut off and the coolant is cold. If necessary, repeat coolant fill procedure Steps 3-7. If the coolant still is not at the proper level when the system cools down again, see your dealer.

PRESSURE CAP



COOLANT TO USE-

- 40/60 coolant/water mixture of clean, drinkable water and use only DEX-COOL Coolant
- Use a mixture of 40% DEX-COOL coolant and 60% clean, drinkable water. Gives freezing protection down to -28°C (-18°F), outside temperature. . Gives boiling protection up to 129°C (265°F), engine temperature. . Protects against rust and corrosion.
- If ambient temperatures are anticipated below -28°C (-18°F), make sure a proper mixture ratio of 50% DEX-COOL coolant and 50% clean, drinkable water is used.
- If using this mixture, nothing else needs to be added.
- Do not use anything other than a mix of DEX-COOL coolant that meets GM Standard GMW3420 and clean, drinkable water.

Caution

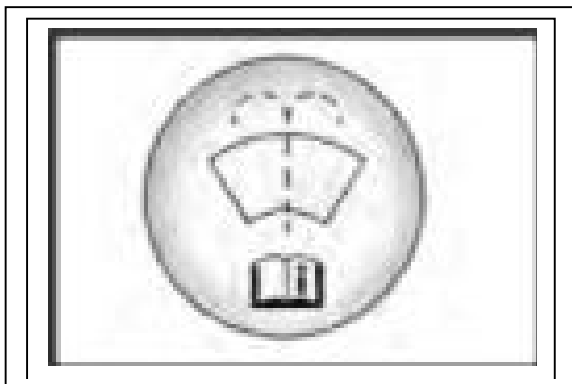
Do not use anything other than a mix of DEX-COOL coolant that meets GM Standard GMW3420 and clean, drinkable water. Anything else can cause damage to the engine cooling system and the vehicle.

Warning

- An underhood electric fan can start up even when the engine is not running and can cause injury. Keep hands, clothing, and tools away from any underhood electric fan.
- Plain water, or other liquids such as alcohol, can boil before the proper coolant mixture will. With plain water or the wrong mixture, the engine could get too hot but there would not be an overheat warning. The engine could catch fire and you or others could be burned.

WASHER FLUID- (MAINT)**WASHER FLUID****HOW TO CHECK
(WASHER FLUID)******P-249 (Owners)****ADDING FLUID-**

1. Open the hood.
2. Open the cap with the washer symbol on it.
3. Add washer fluid until the tank is full.

**CAUTION**

- Fill the washer fluid tank only three-quarters full when it is very cold. This allows for fluid expansion if freezing occurs, which could damage the tank if it is completely full.

**WASHER FLUID
(TYPE)******P-249 (Owners)****What to Use**

When the vehicle needs windshield washer fluid, be sure to read the manufacturer instructions before use. If the vehicle will be operating in an area where the temperature may fall below freezing, use a fluid that has sufficient protection against freezing.


CAUTION-

- Do not use washer fluid that contains any type of water repellent coating. This can cause the wiper blades to chatter or skip. .
- Do not use engine coolant (antifreeze) in the windshield washer. It can damage the windshield washer system and paint. .
- Do not mix water with ready-to-use washer fluid. Water can cause the solution to freeze and damage the washer fluid tank and other parts of the washer system. .
- When using concentrated washer fluid, follow the manufacturer instructions for adding water. .
- If the vehicle will be operating in an area where the temperature may fall below freezing, use a fluid that has sufficient protection against freezing.

FUEL- (MAINT)

	<u>FUEL</u>
<u>FILLING THE TANK</u> (FUEL) **P-226 (Owners)	<u>FILLING THE TANK-</u> <ul style="list-style-type: none"> • An arrow on the fuel gauge indicates which side of the vehicle the fuel door is on • The fuel door unlocks when the vehicle doors are unlocked. • To open the fuel door, push and release the rearward center edge of the door. • The cap less refueling system does not have a fuel cap. Fully insert and latch the fill nozzle, begin fueling. • Wait five seconds after you have finished pumping before removing the fill nozzle. • Clean fuel from painted surfaces as soon as possible. • Push the fuel door closed until it latches.
<u>PORTABLE FUEL CONTAINER</u> (FUEL) **P-228 (Owners)	<u>WARNING</u> Attempting to refuel from a portable fuel container without using the funnel adapter may cause fuel spillage and damage the cap less fuel system. <u>FILLING TANK WITH PORTABLE CONTAINER;</u> <ol style="list-style-type: none"> 1. Locate the cap less funnel adapter. 2. Insert and latch the funnel into the cap less fuel system. 3. Remove and clean the funnel adapter and return it to the storage
<u>FUEL</u> (TYPE) **P-225 (Owners)	<u>RECOMMENDED FUEL- (TOP TIER 93 Octane)</u> <ul style="list-style-type: none"> • GM recommends the use of TOP TIER Detergent Gasoline to keep the engine clean, reduce engine deposits, and maintain optimal vehicle performance. Look for the TOP TIER Logo or see www.toptiergas.com for a list of TOP TIER Detergent Gasoline marketers and applicable countries. • Recommended Fuel Use premium unleaded gasoline meeting ASTM specification D4814 with a posted octane rating of 93 — (R+M)/2. If unavailable, unleaded gasoline with a posted octane rating of 91 may be used, but with reduced performance and fuel economy. If the octane is less than 91, the engine could be damaged and the repairs would not be covered by the vehicle warranty. If heavy knocking is heard when using gasoline rated at 93 octane, the engine needs service. • Do not use any fuel labeled E85 or FlexFuel. Do not use gasoline with ethanol levels greater than 15% by volume. <div style="background-color: #f0f0f0; padding: 5px;"><u>PROHIBITED FUELS</u></div> <ul style="list-style-type: none"> • For vehicles that are not FlexFuel, fuel labeled greater than 15% ethanol by volume, such as mid-level ethanol blends (16–50% ethanol), E85, or FlexFuel. . • Fuel with any amount of methanol, methylal, ferrocene, and aniline. These fuels can corrode metal fuel system parts or damage plastic and rubber parts. . • Fuel containing metals such as methylcyclopentadienyl manganese tricarbonyl (MMT), which can damage the emissions control system and spark plugs. • Fuel with a posted octane rating of less than the recommended fuel. Using this fuel will lower fuel economy and performance, and may decrease the life of the emissions catalyst.

BRAKE FLUID - PAD (MAINT)

	<u>BRAKE FLUID</u>
<p><u>HOW TO CHECK (BRAKE FLUID)</u> **P-250 (Owners)</p> 	<p><u>CHECKING BRAKE FLUID-</u></p> <ul style="list-style-type: none"> • Always clean the brake fluid reservoir cap and the area around the cap before removing it. • Do not top off the brake fluid. Adding fluid does not correct a leak. If fluid is added when the linings are worn, there will be too much fluid when new brake linings are installed. • If too much brake fluid is added, the brake fluid can spill and cause vehicle damage, including damage to electrical components and surfaces. Add brake fluid only when work is done on the brake hydraulic system. • With the vehicle in P (Park) on a level surface, the brake fluid level should be between the minimum and maximum marks on the brake fluid reservoir. • There are only two reasons why the brake fluid level in the reservoir may go down: . Normal brake lining wear. When new linings are installed, the fluid level goes back up. . A fluid leak in the brake hydraulic system. Have the brake hydraulic system fixed. With a leak, the brakes will not work well. • Brake fluid absorbs water over time which degrades the effectiveness of the brake fluid. Replace brake fluid at the specified intervals to prevent increased stopping distance. • When the brake fluid falls to a low level, the brake warning light comes on.
<p><u>BRAKE FLUID (TYPE)</u> **P-251 /301 (Owners)</p>	<p><u>BRAKE FLUID (TYPE)-</u></p> <ul style="list-style-type: none"> • GM approved DOT 4 brake fluid (From a clean, sealed container).

	<u>BRAKE PADS</u>
<p><u>WEAR INDICATORS (BRAKE PADS)</u> **P249 (Owners)</p>	<ul style="list-style-type: none"> • Disc brake pads have built-in wear indicators that make a high-pitched warning sound when the brake pads are worn and new pads are needed. • The sound can come and go or be heard continuously while the vehicle is moving, except when applying the brake pedal firmly. • The brake wear warning sound means that soon the brakes will not work well. When the brake wear warning sound is heard, have the vehicle serviced.
<p><u>BRAKE PEDAL TRAVEL (BRAKE PADS)</u> **P-250 (Owners)</p>	<ul style="list-style-type: none"> • See your dealer if the brake pedal does not return to normal height, or if there is a rapid increase in pedal travel. This could be a sign that brake service may be required.
<p><u>REPLACE (BRAKE SYSTEM PARTS)</u> **P-250 (Owners)</p>	<ul style="list-style-type: none"> • Always replace brake system parts with new, approved replacement parts. If this is not done, the brakes may not work properly. • The Brake Fade Warning Assist system is designed for use with the factory-installed brake pads or GM-approved replacement pads. . If this is not done, the brake fade warning system may not function properly

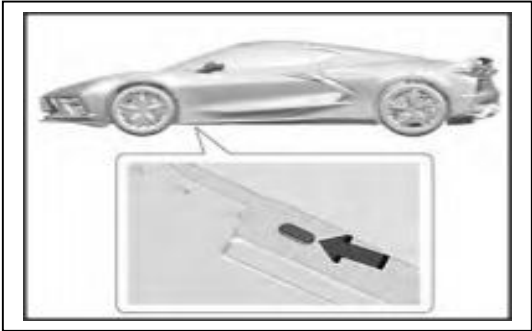
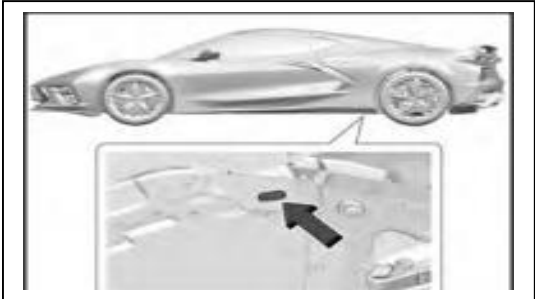
PARKING BRAKE- (OPS CHECK)

	<u>PARKING BRAKE (OPS CHECK)</u>
<u>WARNING</u> (PARKING BRAKE) **P-252 (Owners)	<u>WARNING-</u> <ul style="list-style-type: none"> • When you are doing this check, the vehicle could begin to move. • Make sure there is room in front of the vehicle in case it rolls. • Be ready to apply the regular brake at once should the vehicle move.
<u>OPS CHECK</u> (PARKING BRAKE) **P-252 (Owners)	<u>(CHECK) PROCEDURE-</u> Park on a fairly steep hill, with the vehicle facing downhill. Keeping your foot on the regular brake, set the parking brake. <ul style="list-style-type: none"> • To check the parking brake's holding ability: With the engine running and the transmission in N (Neutral), slowly remove foot pressure from the regular brake pedal. Do this until the vehicle is held by the parking brake only. • To check the P (Park) mechanism's holding ability: With the engine running, shift to P (Park). Then release the parking brake followed by the regular brake.

WIPER BLADE- (MAINT)

	<u>WIPER BLADE (REPLACEMENT)</u>
<u>WIPER BLADE</u> (REPLACEMENT) **P-252 (Owners)	<u>To replace the windshield wiper blade:</u> <ol style="list-style-type: none"> 1. Pull the windshield wiper assembly away from the windshield. <div data-bbox="420 787 909 1120" data-label="Image"> </div> <ol style="list-style-type: none"> 2. Lift up on the latch in the middle of the wiper blade where the wiper arm attaches. 3. With the latch open, pull the wiper blade down toward the windshield far enough to release it from the J-hooked end of the wiper arm. 4. Remove the wiper blade. Allowing the wiper blade arm to touch the windshield when no wiper blade is installed could damage the windshield. Any damage that occurs would not be covered by the vehicle warranty. Do not allow the wiper blade arm to touch the windshield. 5. Reverse Steps 1–3 for wiper blade replacement.
<u>WIPER BLADE</u> (TYPE) **P-301 (Owners)	<u>WIPER BLADE TYPE-</u> <ul style="list-style-type: none"> • Driver Side – 600 mm (23.6 in) GM PART # 84566977 • Passenger Side – 525 mm (20.7 in) GM PART # 84566978

LIFTING VEHICLE- (MAINT)

	<u>LIFTING VEHICLE</u>
WARNINGS (LIFTING VEHICLE) **P-232 (Owners)	WARNING- Lifting a vehicle can cause an injury. The vehicle can slip off the jack and roll over you or other people. You and they could be badly injured. Find a level place to lift your vehicle. To help prevent the vehicle from moving: <ol style="list-style-type: none"> 1. Set the parking brake firmly. 2. Put the transmission in P (Park). 3. Turn off the engine. To be even more certain the vehicle will not move, put blocks in front of and behind the wheels. WARNING- If a jack is used to lift the vehicle, follow the instructions that came with the jack, and be sure to use the correct lifting points to avoid damaging the vehicle.
FRONT/REAR (LIFT) (LIFTING VEHICLE) **P-233 (Owners)	Lifting from the Front – Frame <ul style="list-style-type: none"> • Use only a service jack with a lifting pad diameter of 64 mm (2.5 in) or smaller, and thick enough to make sure the jack <u>does not contact the vehicle body, Rocker panels, Front Fender, or Floor Pan.</u> • Position the service jack and lifting pad under the frame rail shipping slot reinforcement. • Be sure to place a block or pad between the jack and the vehicle.  Lifting from the Rear – Frame <ul style="list-style-type: none"> • Use only a service jack with a lifting pad diameter of 64 mm (2.5 in) or smaller, and thick enough to make sure the jack does not contact the vehicle body. • Position the service jack and lifting pad under the frame rail shipping slot reinforcement. • Be sure to place a block or pad between the jack and the vehicle. 

INDICATOR LIGHTS- (ABNORMALS)

	INDICATOR LIGHTS- (ABNORMALS)- PAGE 1 of 3
<u>CHECK ENGINE- (LIGHT ON)</u> **P-86 (Owners)	<p>NOTE- This light is part of the vehicle's emission control on-board diagnostic system. If light on while the engine is running, a malfunction is detected and vehicle may require service. Light should come on when Ignition On, to show its working.</p> <p><u>IF THE LIGHT IS (FLASHING)-</u></p> <ul style="list-style-type: none"> To help prevent damage, reduce vehicle speed and avoid hard accelerations and uphill grades. If the light continues to flash, find a safe place to park. Turn the vehicle off and wait at least 10 seconds before restarting engine. If the light is still flashing, follow the previous guidelines and see your dealer for service. <p><u>IF THE LIGHT IS (ON STEADY)-</u></p> <ul style="list-style-type: none"> If fuel has been added to the vehicle using the cap less funnel adapter, make sure that it has been removed. A few driving trips with the adapter removed may turn off the light. Poor fuel quality can cause inefficient engine operation and poor drive ability, which may go away once the engine is warmed up. If this occurs, change the fuel brand. It may require at least one full tank of the proper fuel to turn the light off. If the light remains on, see your dealer.
<u>BRAKE SYSTEM- (LIGHT ON)</u> **P-87 (Owners)	<p>NOTE- This light comes on briefly when the vehicle is turned on. If it does not come on, have it fixed so it will be ready to warn you.</p> <p><u>IF AFTER ENGINE START, THE LIGHT (STAYS ON)-</u></p> <ul style="list-style-type: none"> There is a brake problem. Have the brake system inspected ASAP. <p><u>IF WHILE DRIVING, THE LIGHT (COMES ON)-</u></p> <ul style="list-style-type: none"> Pull off the road and stop carefully. If light is still on, have the vehicle towed for service.
<u>(EPB)- (LIGHT NOT ON WHEN - BRAKES ARE SET)</u> <u>(ELECTRIC PARKING BRAKE)</u> **P-88 (Owners)	<p>NOTE- This light comes on when the parking brake is applied.</p> <p><u>IF LIGHT DOES (NOT COME ON)-</u></p> <ul style="list-style-type: none"> See Your Dealer <p><u>IF LIGHT CONTINUES (FLASHING) AFTER PARKING BRAKE RELEASED-</u></p> <ul style="list-style-type: none"> There is a problem with the Electric Parking Brake system. May see message in the (DIC). See Your Dealer.
<u>(EPB)- (SERVICE LIGHT ON)</u> <u>(ELECTRIC PARKING BRAKE)</u> **P-88 (Owners)	<p>NOTE- This light comes on briefly when the vehicle is turned on. If it doesn't, have it fixed so it will warn if there is a problem.</p> <p><u>IF LIGHT (COMES ON or STAYS ON WHILE DRIVING)-</u></p> <ul style="list-style-type: none"> There is a problem with the Electric Parking Brake (EPB), take the vehicle to a dealer as soon as possible.
<u>(ABS)- (LIGHT ON)</u> <u>(ANTILOCK BRAKE SYSTEM)</u> **P-88 (Owners)	<p>NOTE- This light comes on briefly when the vehicle is turned on. If it doesn't, have it fixed so it will warn if there is a problem.</p> <p><u>IF WHILE DRIVING, THE (LIGHT COMES ON)-</u></p> <ul style="list-style-type: none"> Stop as soon as possible and turn off the vehicle. Then start the engine again to reset the system. If the ABS light stays on, or comes on again, vehicle needs service. <p><u>IF THE (ABS) LIGHT IS (ONLY) LIGHT ON-</u></p> <ul style="list-style-type: none"> Vehicle has regular brakes only, antilock brakes not functioning. <p><u>IF BOTH (ABS) & (BRAKE WARN LIGHT) ARE ON-</u></p> <ul style="list-style-type: none"> The vehicle's antilock brakes are not functioning and there is a problem with the regular brakes. See your dealer for service.

INDICATOR LIGHTS- (ABNORMALS)- Cont

	<u>INDICATOR LIGHTS- (ABNORMALS)- PAGE 2 of 3</u>
<u>(TCS)- (LIGHT ON)</u> (TRACTION CONTROL SYSTEM) **P-89 (Owners)	<p><u>NOTE-</u> This (TCS) light comes on briefly when the vehicle is turned on, and then turns OFF. If it doesn't come on briefly, have it serviced by the Dealer.</p> <p><u>THE LIGHT COMES ON NORMALLY WHEN-</u></p> <ul style="list-style-type: none"> • The Traction Control System (TCS) has been turned off by pressing and releasing the TCS/Stability Control button. • This light and the Electronic Stability Control (ESC) OFF light come on when ESC is turned off. <p><u>IF (TCS) ACTIVATES WHILE (CRUISE CONTROL) IS (ON)-</u></p> <ul style="list-style-type: none"> • The cruise control will automatically disengage. <p><u>IF (TCS) IS TURNED-(OFF) &(CRUISE CONTROL) IS (ON)-</u></p> <ul style="list-style-type: none"> • The cruise control will automatically disengage. <p><u>(TCS) INDICATOR LIGHT-INSTRUMENT CLUSTER-</u></p> <ul style="list-style-type: none"> • <u>FLASHING-</u> Indicates (TCS) & (ABS) is Working, limiting Wheel Spin • <u>LIGHT STAYS ON-</u> Indicates (TCS) is Inactive-NOT Working.
<u>(ESC)- (LIGHT ON)</u> (ELECTRONIC STABILITY CONTROL) **P-90 (Owners)	<p><u>(ESC) INDICATOR LIGHT-INSTRUMENT CLUSTER-</u></p> <ul style="list-style-type: none"> • <u>FLASHING-</u> Indicates (ESC) & (ABS) is Activated • <u>LIGHT STAYS ON-</u> Indicates (ESC) is Inactive-NOT Working . Also Indicates ((TCS) is OFF. <p><u>IF (ESC) LIGHT- COMES (ON) & STAYS (ON)-</u></p> <ol style="list-style-type: none"> 1- Stop The Vehicle 2- Turn the Engine (OFF) and wait 15 Seconds. 3- Drive The Vehicle 4- If (ESC) Light comes (ON) & Stays (ON- See Dealer
<u>(TPMS)- (LIGHT ON)</u> (TIRE PRESSURE MONITOR SYSTEM) **P- 90 (Owners)	<p><u>IF (TPMS) LIGHT IS (ON STEADY)-</u></p> <ul style="list-style-type: none"> • This indicates that one or more of the tires are underinflated. • Stop as soon as possible, and inflate the tires to the pressure value shown on the Tire and Loading Information label. <p><u>IF (TPMS) LIGHT (FLASHES 1-MIN) FIRST, THEN (ON STEADY)-</u></p> <ul style="list-style-type: none"> • There may be a problem with the TPMS. If the problem is not corrected, the light will come on at every ignition cycle. <p><u>IF (TPMS) IS MALFUNCTIONING-</u></p> <ol style="list-style-type: none"> 1- (ESC) Cannot Be (TURNED OFF) By Driver 2- COMPETITIVE DRIVING MODE- Unavailable 3- (PTM) PERFORMANCE TRACTION MANAGEMENT- Unavailable
<u>ENGINE OIL PRESSURE- (LIGHT ON)</u> (OIL PRESSURE SYSTEM) **P-90 (Owners)	<p><u>NOTE-</u> This light should come on briefly as the engine is started. If it does not come on, have vehicle serviced by your dealer.</p> <p><u>IF LIGHT COMES (ON) & (STAYS ON)-</u></p> <ul style="list-style-type: none"> • Means that oil is not flowing through the engine properly. • The vehicle could be low on oil • May have some other system problem.

INDICATOR LIGHTS- (ABNORMALS)- Cont

<u>INDICATOR LIGHTS- (ABNORMALS)- PAGE 3 of 3</u>	
<u>CHARGING SYSTEM- (LIGHT ON)</u> (CHARGING SYSTEM) **P-85 (Owners)	<u>NOTE-</u> <ul style="list-style-type: none"> • The charging system light comes on briefly when the ignition is turned on, but the engine is not running, as a check to show the light is working. The light turns off when the engine is started. If it does not, have the vehicle serviced by your dealer. • If the light stays on, or comes on while driving, there may be a problem with the electrical charging system. • If a short distance must be driven with the light on, be sure to turn off all accessories, such as the radio and air conditioner.
<u>AIR BAG-OFF (LIGHT ON)</u> (AIRBAG SYSTEM) **P-84 (Owners)	<u>NOTE-</u> If a person of adult size is sitting in the front outboard passenger seat, but the OFF indicator is lit, Use the following steps to allow the system to detect that person and enable the front outboard passenger frontal airbag; <ol style="list-style-type: none"> 1. Turn the vehicle off. 2. Remove any additional material from the seat, such as blankets, cushions, seat covers, seat heaters, or seat massagers. 3. Place the seatback in the fully upright position. 4. Have the person sit upright in the seat, centered on the seat cushion, with legs comfortably extended. 5. If the shoulder portion of the belt is pulled out all the way, the child restraint locking feature will be engaged. This may unintentionally cause the passenger sensing system to turn the airbag off for some adult-sized occupants. If this happens, unbuckle the belt, let the belt go back all the way, and then buckle the belt again without pulling the belt out all the way. 6. Restart the vehicle and have the person remain in this position for two to three minutes after the ON indicator is lit.
<u>AIR BAG (READINESS)- (LIGHT ON)</u> (AIRBAG SYSTEM) **P-84 (Owners)	<u>NOTE-</u> <ul style="list-style-type: none"> • The airbag readiness light comes on for several seconds when the vehicle is started. If the light does not come on then, have it fixed immediately. • This light shows if there is an electrical problem with the airbag system. • The system check includes the airbag sensor(s), the passenger sensing system, the pretensioners, the airbag modules, the wiring, and the crash sensing and diagnostic module.
<u>SECURITY (LIGHT ON)</u> (SECURITY SYSTEM) **P-91 (Owners)	<u>NOTE-</u> The security light should come on briefly as the engine is started. If it does not come on, have the vehicle serviced by your dealer. If the system is working normally, the indicator light turns off. <u>IF LIGHT (STAYS ON) & (ENGINE DOES NOT START)-</u> <ul style="list-style-type: none"> • There could be a problem with the theft-deterrent system. See Immobilizer Operation P-28.

(DIC) MESSAGES- (ABNORMALS)

	<u>(DIC) MESSAGES- (ABNORMALS)</u>
<u>VEHICLE (MESSAGES)</u> **P-97 (Owners)	<u>NOTE-</u> <ul style="list-style-type: none"> • Messages displayed on the DIC indicate the status of the vehicle or some action that may be needed to correct a condition. • Multiple messages may appear one after another. • The messages that do not require immediate action can be acknowledged and cleared by pressing the (Check Mark). • The messages that require immediate action cannot be cleared until that action is performed. • If a (SERVICE) message appears, see your dealer.
<u>ENGINE POWER (MESSAGES)</u> **P-97 (Owners)	<u>NOTE- (REDUCED ACCELERATION DRIVE)</u> <ul style="list-style-type: none"> • This message displays when the vehicle propulsion power is reduced. A reduction in propulsion power can affect the vehicle's ability to accelerate. <u>IF (MESSAGE DISPLAYED) & (NO REDUCTION IN PERFORMANCE)-</u> <ul style="list-style-type: none"> • Proceed to your destination. • Under certain conditions, the performance may be reduced the next time the vehicle is driven. • The vehicle may be driven while this message is on, but maximum acceleration and speed may be reduced. <u>IF (PROPULSION IS DISABLED)-</u> <ul style="list-style-type: none"> • Turn the ignition off for 30 seconds and restart.
<u>VEHICLE SPEED (MESSAGES)</u> **P-97 (Owners)	<u>NOTE-</u> <ul style="list-style-type: none"> • This message shows that the vehicle speed has been limited to the speed displayed. • The limited speed is a protection for various propulsion and vehicle systems, such as lubrication, thermal, brakes, suspension, Teen Driver (if equipped), or tires.

REMOTE KEYFOB- (ABNORMALS)

	<u>REMOTE (KEY FOB)- (ABNORMALS)</u>
<u>BATTERY REPLACEMENT</u> <u>(REMOTE KEYFOB)</u> **P-12 (Owners)	<p><u>NOTE-</u> Replace the battery if the DIC displays <u>(REPLACE BATTERY IN REMOTE KEY)</u>.</p> <ol style="list-style-type: none"> 1- Press the button on the side of the remote key and pull the mechanical key out. 2- Use mechanical key blade in the slot to remove the battery cover. 3- Remove the seal by pulling on the tab to access the battery. 4- Remove the old battery. Do not use a metal object. 5- Insert the new battery, negative side facing down. Replace with a CR2450 or equivalent battery. 6- Replace the seal, pushing it into the groove around the battery compartment. 7- Replace the battery cover by snapping it back into the remote key
<u>REMOTE (LEFT IN VEHICLE)</u> **P-10 (Owners)	<p><u>SETUP- P-116 (Owners) PERSONALIZATION</u> If Vehicle Is Turned OFF & Remote is Left In Vehicle & Doors Closed</p> <ul style="list-style-type: none"> • <u>WILL HEAR- (HORN CHIRP 3 TIMES)</u>
<u>REMOTE (NO LONGER IN CAR)</u> **P-10 (Owners)	<p><u>SETUP- P-116 (Owners) PERSONALIZATION</u> If Vehicle Is On With Door Open and Then The Door Is Shut, And A Remote IS NOT DETECTED, Will Get-</p> <ul style="list-style-type: none"> • <u>WILL SEE-</u> DIC (Driver Info Center) Display <u>(NO KEY FOUND)</u> • <u>WILL HEAR- (HORN CHIRP 3 TIMES)</u>
<u>REMOTE (NOT DETECTED)</u> **P-11 (Owners)	<p><u>NOTE-</u> For improved vehicle security, the remote key is equipped with a motion sensor. When starting the vehicle, if the remote key has been idle for a while, the DIC may display <u>KEY IN SLEEP MODE</u>,</p> <ol style="list-style-type: none"> 1- Move The <u>(REMOTE)</u>, Then <u>(START)</u>.
<u>REMOTE (BATTERY WEAK)</u> **P-11 (Owners)	<p><u>NOTE-</u> If the Remote Battery is weak or if there is interference with the signal, the DIC may display <u>NO REMOTE DETECTED</u> or <u>NO REMOTE KEY WAS DETECTED-</u></p> <ol style="list-style-type: none"> 1- Place Remote in cup holder with the Remote end facing up. 2- <u>Start Vehicle-</u> Trans-(Park) , Press (Brake), Press <u>(START BUTTON)</u> 3- Replace the Remote Battery as soon as possible.
<u>EMERG KEY ENTRY</u> <u>(REMOTE KEYFOB)</u> **P-7 (Owners) **P-21 (Owners)	<ol style="list-style-type: none"> 1- Press Button on Side Of Remote to Pull Out The Key 2- <u>OPEN DOOR-</u> Insert Key (AFT OF DOOR HANDLE). 3- Pull Looped Cord Below Column to <u>(OPEN FRUNK)</u> for BATTERY 4- <u>OPEN HATCH/TRUNK-</u> Insert Key (BEHIND REAR LICENSE PLATE).
<u>REMOTE START RESTRICTIONS</u> <u>(WILL NOT WORK-WHEN)</u> **P-13 (Owners)	<ul style="list-style-type: none"> • The vehicle is not in P (Park). • The ignition is in any mode other than off. • A remote key is in the vehicle. • The hatch/trunk is not closed. • The convertible top is not fully open or closed. • The (Engine Hood) cover is not closed. • The hazard warning flashers are on. • There is an emission control system malfunction. • The engine coolant temperature is too high. • The oil pressure is low. • The Remote 30 minutes of engine run time have been used.

BATTERY LOW- (ABNORMALS)

	<u>BATTERY LOW- (ABNORMALS)</u>
<u>EMERG KEY USEAGE- (ENTRY)</u> (BATTERY LOW) **P-12/16/18 (Owners) **P-19 (Owners) **P-4 (Get To Know)	1- Press Button on Side Of Remote to Pull Out The Key 2- <u>OPEN DOOR-</u> Insert Key (Side Inlet) or (Behind License Plate) 3- Pull Looped Cord Below Column to (OPEN FRUNK) for BATTERY 4- <u>OPEN HATCH/TRUNK-</u> Insert Key (BEHIND REAR LICENSE PLATE).
<u>EMERG KEY- (WONT WORK)</u> (Resetting Key Lock) **P-16 (Owners)	<u>NOTE-</u> The door key lock cylinder turns freely when either the wrong mechanical key is used or the correct mechanical key is not fully inserted. <u>TO RESET THE LOCK-</u> 1- Turn it to the vertical position with the correct key fully inserted. 2- Remove the mechanical key and insert it again. <u>IF LOCK STILL NOT RESET-</u> <ul style="list-style-type: none"> • Turn the mechanical key halfway around in the cylinder and repeat the reset procedure.
<u>FRONT HOOD- (ENTRY)</u> (BATTERY LOW) **P-7/16/18 (Owners) **P-4 (Get To Know)	1. Press the button on the side of the Remote. 2- Pull the mechanical key out. 3- Never pull the key out without pressing the button. 4- <u>OPEN DOORS-</u> Insert (KEY) (Side Scoop)(Behind License) 5- <u>OPEN FRUNK-</u> Pull (LOOPED CORD) under (COLUMN).
<u>ACCESS THE BATTERY</u> (BATTERY LOW) **P-12 (Owners) **P-19 (Owners) **P-4 (Get To Know)	1. Press the button on the side of the Remote. 2- Pull the mechanical key out. 3- Never pull the key out without pressing the button. 4- <u>OPEN DOORS-</u> Insert (KEY) (Side Scoop)(Behind License) 5- <u>OPEN FRUNK-</u> Pull (LOOPED CORD) under (COLUMN).
<u>DOOR RELEASE-INSIDE CAR</u> (BATTERY LOW) **P-5 (Get To Know) **P-15 (Owners)	1- From inside the vehicle, pull the driver's or passenger's door release handle on the floor near each door opening.
<u>WINDOW- (REPROGRAMING)</u> (BATTERY LOW) **P-30 (Owners)	<u>NOTE-</u> Programming may be necessary if the vehicle battery has been disconnected or discharged. If the window will not express-close, program each express-close window: 1- Close all doors. 2. Turn the ignition on or to ACC/ ACCESSORY . 3. Partially open the window to be programmed. Then close it and continue to pull the switch briefly after the window has fully closed. 4. Open the window and continue to press the switch briefly after the window has fully opened.
<u>WINDOW- (INDEXING)</u> (BATTERY LOW) **P-29 (Owners)	<u>NOTE-</u> When fully closed, indexing automatically lowers the window a small amount when the door is opened. When door is closed, the window will raises to previous position. If a window does not index properly, it could be due to loss of power. 1-Before seeing dealer for service, program windows.

BATTERY- (JUMPSTART)

BATTERY DEAD- (JUMP START)

FRONT HOOD ENTRY (BATTERY LOW)

****P-7/16/18 (Owners)**

****P-4 (Get To Know)**

JUMPSTARTING (BATTERY LOW)

****P-278/279 (Owners)**

OPENING FRONT HOOD WITH BATTERY LOW

1. Press the button on the side of the Remote.
- 2- Pull the mechanical key out.
- 3- Never pull the key out without pressing the button.
- 4- OPEN DOORS- Insert (KEY) (Side Scoop)(Behind License)
- 5- OPEN FRUNK- Pull (LOOPED CORD) under (COLUMN).

NOTE-

- Check the other vehicle. It must have a 12-volt battery with a negative ground system. If the other vehicle does not have a 12-volt system with a negative ground, both vehicles can be damaged.
- Unplug unnecessary accessories plugged into the cigarette lighter or the accessory power outlet.
- Turn off the radio and all lamps that are not needed. This will avoid sparks and help save both batteries. And it could save the radio!
- Turn off the ignition on both vehicles. If any accessories are left on or plugged in during the jump starting procedure, they could be damaged.



Release the four clips for the left and right outer covers.

- 1- The battery is under a battery cover and side extensions/shields in the under hood compartment. To access the battery under the hood, the right hand and left hand side shields need to be removed to be able to remove the second cover assembly to access the battery. The positive battery terminal is on the driver side and negative terminal is on the passenger side
- 3- Release the five clips and remove the outer cover to access the battery.
- 4- Open the positive terminal trim cover and connect the red positive (+) cable to the positive (+) terminal (2) of the dead battery.
- 5- Do not let the other end touch metal. Connect it to the positive (+) terminal (4) of the good battery.
- 6- Now connect the black negative (-) cable to the negative (-) terminal (3) of the good battery
- 7- Connect the other end of the negative (-) cable to the negative (-) terminal (1) on the dead battery.
- 8- Start the vehicle with the (Good Battery) and run the engine for a while.
- 9- Try to start the vehicle that had the dead battery. If it will not start after a few tries, it probably needs service.
- 10- Reverse the sequence exactly when removing the jumper cables.

(1)=

Discharged Battery
Negative (-) Terminal

(2)=

Discharged Battery
Positive (+) Terminal

(3)=

Good Battery Negative
(-) Terminal

(4)=

Good Battery Positive
(+) Terminal

CONVERTIBLE TOP - ENGINE HOOD- (ABNORMALS)

<u>CONVERTIBLE TOP</u>	<u>CONVERTIBLE TOP- (ABNORMALS)</u>
<p><u>TOP (STOPS) BEFORE FULLY OPEN</u> (USING REMOTE KEYFOB) (CONVERTIBLE TOP) **P-36 (Owners)</p>	<p>NOTE-If you start the vehicle while using the remote key to open the convertible top, the convertible top will halt the motion. After starting the vehicle, use the convertible top switch inside the vehicle to continue the top motion.</p> <p>1-Press (LOCK) and Press (CONVERTIBLE ICON) again. **If the top still stops before it is completely open:</p> <ul style="list-style-type: none"> • Move closer to the vehicle • Press (LOCK) and Press (CONVERTIBLE ICON) again. <p>**If the top still does not open</p> <ul style="list-style-type: none"> • Use the Convertible Top (SWITCH) in the vehicle
<p><u>IN VEHICLE SWITCH (NOT OPERATING)</u> (CONVERTIBLE TOP) **P-36/37 (Owners)</p>	<p>1- The ignition should be on or in ACC/ACCESSORY 2- The trunk lid must be closed. If not, a DIC message displayed. 3- At cooler outside temperatures, the convertible top may not operate. It is possible to open the top down to temperatures of about 0 °C (32 °F) and close the top down to temperatures of about -10 °C (14 °F). A DIC message will display if the top will not operate due to low temperature. If necessary, move the vehicle to a heated indoor area to operate the top. 4-If the top has recently been opened and closed repeatedly, it will be temporarily disabled. A DIC message displays. Normal operation will be restored within 10 minutes after system cooled. 5- If the battery has recently been reconnected or if the vehicle has been jump started, the top may not operate until the power windows have been programmed. Complete the power window programming procedure. See Power Windows P-35.</p>
<p><u>TOP NOT SECURE- (MESSAGE CHIME)</u> (CONVERTIBLE TOP) **P-37 (Owners)</p>	<p>NOTE- When driving with the top not fully secured, chimes can be heard above (31 mph). A MESSAGE INDICATING (TOP NOT SECURE)- MAY DISPLAY, IF; *If the vehicle battery has been disconnected and reconnected, *If the fuses were pulled or replaced, or jump start performed,</p> <ul style="list-style-type: none"> • Press (UNLOCK) and then quickly Press and Hold (CONVERTIBLE ICON) on the remote key, or • Press and Hold (CONVERTIBLE SWITCH) on the driver door to open the top, or • Pull and Hold (CONVERTIBLE SWITCH) on the driver door to close the top until this message clears.

<u>ENGINE HOOD</u>	<u>ENGINE HOOD- (ABNORMALS)</u>
<p><u>ENGINE HOOD- (NOT OPERATING)</u> (ENGINE COMPARTMENT) **P-38 (Owners)</p>	<ul style="list-style-type: none"> • The remote key must be used. • The ignition must be off. • The convertible top must be fully closed. • The remote key may need to be closer to the vehicle. • Press and Release (LOCK) quickly • Press and Hold (ENGINE HOOD ICON) again.

ENGINE OVERHEATING- (ABNORMALS)

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<p>ENGINE OVERHEATING **P-248 (Owners)</p>	<p>ENGINE OVERHEATING-</p> <ul style="list-style-type: none"> The vehicle has several indicators to warn of engine overheating. There is an engine coolant temperature gauge on the instrument cluster. The vehicle may also display a message on the Driver Information Center (DIC). If the decision is made not to lift the hatch but to get service help right away, see Roadside Assistance Program 0 307. If the decision is made to lift the hatch, make sure the vehicle is parked on a level surface. Then check to see if the engine cooling fans are running. There are two cooling fans located in the front (one at each corner) and two cooling fans in the rear (one on each side of the engine). If the engine is overheating, the fans should be running. If they are not, do not continue to run the engine, and have the vehicle serviced.
<p><u>If Steam Is Coming from the Engine with no Overheat Warning</u> **P-248 (Owners)</p>	<p>Water from rain and car washes could enter the engine compartment and contact hot surfaces. If steam is coming from the engine compartment with no accompanying overheat warning, no service is needed.</p>
<p><u>Overheat Warning and No Steam Is Coming from the Engine</u> **P-248 (Owners)</p>	<p>If an engine overheat warning is displayed but no steam can be seen or heard, the problem may not be too serious. Sometimes the engine can get a little too hot when the vehicle: .</p> <ul style="list-style-type: none"> Climbs a long hill on a hot day. . Stops after high-speed driving. . Idles for long periods in traffic. <ol style="list-style-type: none"> Turn the air conditioning off. Turn the heater on to the highest temperature and to the highest fan speed. Open the windows as necessary. When it is safe to do so, pull off the road, shift to P (Park) or N (Neutral), and let the engine idle.
<p><u>If the engine coolant temperature gauge is no longer in the shaded area or an overheat warning no longer displays,</u> **P-249 (Owners)</p>	<ul style="list-style-type: none"> The vehicle can be driven. Continue to drive the vehicle slowly for about 10 minutes. Keep a safe vehicle distance from the vehicle in front. If the warning does not come back on, continue to drive normally and have the cooling system checked for proper fill and function. If the warning continues, pull over safely, and park the vehicle right away <p>If there is no sign of steam, idle the engine for three minutes while parked. If the warning is still displayed, turn off the engine until it cools down.</p>

MISC- (ABNORMALS)

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<u>ENGINE DOES NOT START</u> (NO DIC MESSAGE) **P-194 (Owners)	<p>NOTE- If the engine does not start after five to 10 seconds, especially in very cold weather (below -18 °C or 0 °F), it could be flooded with too much gasoline.</p> <ol style="list-style-type: none"> 1- Wait 15 seconds before trying again. Let the cranking motor cool. 2- Try pushing the accelerator pedal all the way to the floor while cranking for up to 15 seconds maximum. 3- Wait at least 15 seconds between each try, to allow the cranking motor to cool down. 4- If the vehicle starts briefly but then stops again, repeat steps. This clears the extra gasoline from the engine.
<u>REAR CAMERA MIRROR- (INOP)</u> (BLUE SCREEN & DISPLAY OFF) **P-28 (Owners)	<ol style="list-style-type: none"> 1- See the Dealer If- (BLUE SCREEN & CAMERA SYMBOL) Appears, and the Mirror Display (SHUTS OFF). 2- Push- (TAB) for (STANDARD MIRROR & AUTOMATIC DIMMING)
<u>IMMOBILIZER- (PREVENT CAR START)</u> (IMMOBILIZER ALARM) **P-24 (Owners)	<p>NOTE-</p> <ul style="list-style-type: none"> *DO NOT HAVE TO (ARM or DISARM THE SYSTEM) *SYSTEM AUTO ARM- (IGNITION TURNED OFF) *SYSTEM DISARMED- (IGNITION or ACCESSORY ON –VALID REMOTE) *SECURITY LIGHT ON- (Instrument Cluster)- Problem With System <p>IF ENGINE WILL NOT START-</p> <ol style="list-style-type: none"> 1- If (SECURITY LIGHT ON)- There's A Problem In The System 2- Place the Remote in the (CUPHOLDER) 3- Try Another (REMOTE), If 2nd Remote Works- Problem With #1. 4- If Vehicle Still Will Not Start- (VEHICLE NEEDS SERVICE)
<u>DISARMING- ALARM SYSTEM</u> **P-23 (Owners)	<ol style="list-style-type: none"> 1- Press Remote- (UNLOCK) 2- Unlock Vehicle using (KEYLESS ACCESS) 3- Start the Vehicle
<u>PHONE (NOT CHARGING)</u> (WIRELESS CHARGING) **P-12 (Get To Know) **P-77 (Owners)	<ol style="list-style-type: none"> 1. The vehicle must be On, or Retained Accessory Power On. 2. Remove all objects from the charging pocket. 3. Place the smartphone, screen facing out, in the pocket. <p>IF NOT CHARGING-</p> <ol style="list-style-type: none"> 1- Remove the device, Wait 3 seconds and rotate it 180 degrees before placing it in the pocket again. 2- A Thick Smartphone Case May (PREVENT) Phone Charging.
<u>(HUD) TROUBLESHOOTING</u> **P-96 (Owners)	<p>HUD Troubleshooting Check that-</p> <ul style="list-style-type: none"> ○ Nothing is covering the HUD lens. . ○ HUD brightness setting is not too dim or too bright. . ○ HUD is adjusted to the proper height. . ○ Polarized sunglasses are not worn. . ○ Windshield and HUD lens are clean. ○ If the HUD image is not correct, contact your dealer. The windshield is part of the HUD system.