

2018 GENERAL INFORMATION

General Information - Equinox & Terrain

INTRODUCTION

ARROWS AND SYMBOLS

The arrows and symbols shown below are used in service information to indicate position of vehicle, direction, and location.

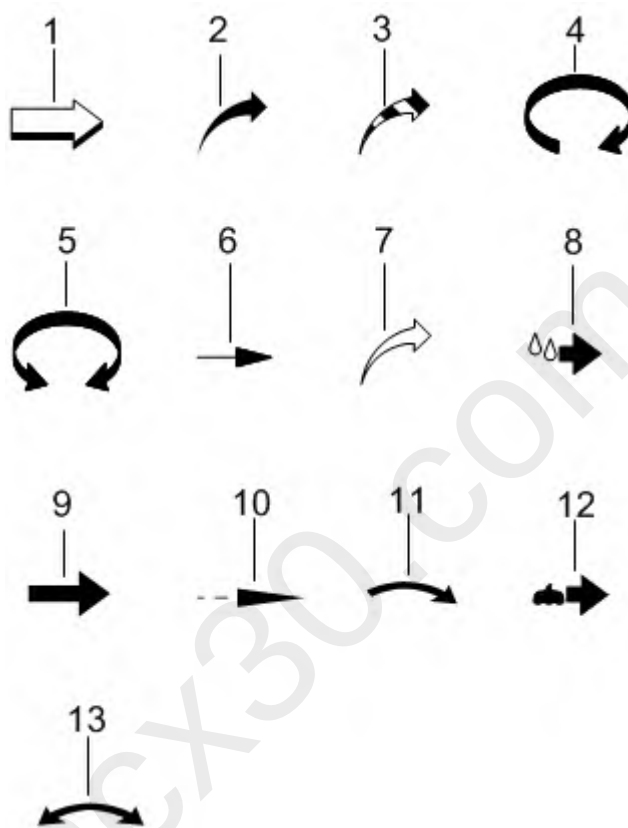


Fig. 1: Arrows and Symbols

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front of Vehicle Arrow - Direction of arrow may vary.
2	View Detail Arrow - Direction of arrow may vary.
3	Ambient Air Mixed with Another Gas or Indicate Temperature Change Arrow - Direction of arrow may vary.
4	Motion or Direction Single Arrow
5	Motion or Direction Double Arrow
6	Dimension Arrow - Used for showing a dimension.
7	Ambient/Clean Air Flow or Cool Air Flow Arrow - Direction of arrow may vary.
8	Lubrication Point Arrow - Oil or Fluid
9	Task Related Arrow - Used to show task related location.
10	Sectioning Arrow - Used to show sectioning.
11	Motion Arrow - Direction of arrow may vary.
12	Lubrication Point Arrow - Grease or Petroleum Jelly
13	Multidirectional Arrow

Acronyms

Acronym	Meaning	Definition
2WD	Two-Wheel Drive	Indicates that a vehicle has 2 driven wheels OR that a 4WD vehicle uses only 2 wheels for propulsion. So it can be the description of a vehicle configuration OR the operational mode of the drivetrain.
4WD	Four-Wheel Drive	Four-wheeled vehicle with a drivetrain that allows all four wheels to receive power from the engine simultaneously which provides better control on various surfaces. Can be used to describe the configuration of the vehicle OR as the operational mode of the drivetrain. 4WD vehicles usually can turn 2 wheels off to be in a 2WD mode. See also AWD.
A/C	Air Conditioning	The cooling and dehumidification of indoor air for thermal comfort.
A/D	Analog to Digital	Used in context of converting electrical analog signals to digital signals.
ABS	Antilock Braking System	System on motor vehicles which prevents the wheels from locking while braking which helps the driver maintain control in heavy braking conditions.
AC	Alternating Current	An electrical current whose magnitude and direction vary cyclically.
AGM	Absorbent Glass Mat	the AGM battery uses a very absorbent micro fiberglass material to trap the gas generated during discharge and recharge.
AM	Amplitude Modulation	Method of impressing data onto an alternating-current (AC) carrier waveform.
APP	Accelerator Pedal Position	A pedal that controls the throttle valve.
AWD	All-Wheel Drive	All-wheel-drive systems are designed to function on all types of surfaces, both on- and off-road, and most of them cannot be switched off. This can also be called full-time four wheel drive. See also 4WD.
AWG	American Wire Gauge	American wire gauge is a standardized wire gauge system used since 1857 predominantly in the United States for the diameters of round, solid, nonferrous, electrically conducting wire. E.g. a wire of AWG10 has a diameter of 2.588mm, AWG20 corresponds to a diameter of 0.812mm.
B+	Battery Positive Voltage	The electrical potential on the positive terminal of the battery.
BARO	Barometric Pressure	Atmospheric pressure as measured by a barometer.
BCM	Body Control Module	This module supplies vehicle occupants with visual and audible information and controls various vehicle functions,
BECM	Battery Energy Control Module	Control module used to regulate the battery voltage.
BPP	Brake Pedal Position	Position of the foot pedal that moves a piston in the master brake cylinder.
CAN	Controller Area Network	Serial data connection between control modules by Bosch
CCM	Chassis Control Module	The module that controls various vehicle functions on the Chassis, like Engine/Trans Mount, Active Grille Air Shutter, Load Leveling, etc•••

Acronym	Meaning	Definition
CD	Compact Disc	A small optical disk on which data such as music, text, or graphic images is digitally encoded.
CNG	Compressed Natural Gas	This a substitute for gasoline or diesel fuel. It is made by compressing natural gas (which is mainly composed by methane (CH ₄), in a percentage range of 70% to 98%)
CO	Carbon Monoxide	This is a product of the incomplete combustion of carbon-containing compounds, at room temperature this is a gas. It consists of one carbon atom covalently bonded to one oxygen atom.
CO ₂	Carbon Dioxide	Chemical compound composed of two oxygen atoms covalently bonded to a single carbon atom.
CPA	Connector Position Assurance	Part of an electrical connector that prevents the connector from moving out of its socket. Usually needs to be pressed to unlock the connector when disconnecting it.
CPP	Clutch Pedal Position	A lever operated with the foot that controls the coupling that connects or disconnects driving and driven parts of a driving mechanism.
CV	Constant Velocity	Used in conjunction with CV joints, which connect two shafts at an angle while both shafts always have the same rotational speed without variations.
CVT	Continuously Variable Transmission	A transmission in which the ratio of the rotational speeds of two shafts, as the input shaft and output shaft of a vehicle or other machine, can be varied continuously within a given range, providing an infinite number of possible ratios which improves fuel economy.
D	Drive	D on the transmission gear selector lever.
DAB	Digital Audio Broadcast	Technology for broadcasting of audio using digital radio (carries information via digital signal) transmission.
DC	Direct Current	Continuous current, constant flow of electric charge.
DLC	Data Link Connector	This is an electronic connector typically located underneath the driver's side dashboard, just above the pedals. The connector has 16 pins.
DMM	Digital Multimeter	Electronic measuring instrument that combines several functions in one unit. The most basic instruments include an ammeter, voltmeter, and ohmmeter.
DOHC	Dual Overhead Camshaft	Dual overhead camshafts (DOHC) are higher performance engines, they produce more power, and can run at higher speeds because they allow an engine to have four valves per cylinder. Each camshaft operates two of the valves, one camshaft handles the intake valves, and one handles the exhaust valves
DPF	Diesel Particulate Filter	Device designed to remove diesel particulate matter or soot from the exhaust gas of a diesel engine.
DRL	Daytime Running Lamps	White lights mounted on the front of an automobile that automatically switch on when the key is turned and are intended for daytime use, to increase the visibility of the automobile.
DSCC	Distance Sensing Cruise Control	A type of cruise control that automatically maintains the distance between vehicles.

Acronym	Meaning	Definition
DSP	Digital Signal Processor	A specialized microprocessor designed specifically for digital signal processing, generally in real-time computing.
DTC	Diagnostic Trouble Code	An electronic signal stored in an automotive computer, indicating the presence of a fault detected by that computer.
DVD	DVD	A popular optical disc storage media format the size of a CD. Used mainly for movies but also for data. DVD has no spelled out version (officially it does not mean Digital Video Disc or Digital Versatile Disc, it just means DVD).
EBCM	Electronic Brake Control Module	This module contains a microprocessor and software for antilock braking system operation.
ECM	Engine Control Module	This electronic module works with a vehicle's sensors and engine control devices to insure that the engine operates at maximum efficiency and performance. It performs three vital functions. Receives electronic signals from engine sensors. Analyzes the data and makes an engine performance decision (based on the pre-set parameters within the unit). Sends an "output command" to an actuator that adjusts engine performance.
ECT	Engine Coolant Temperature	A measure of how hot or cold the fluid which flows through the engine in order to prevent its overheating, transferring the heat produced by the device to other devices that utilize or dissipate it.
EEPROM	Electrically Erasable Programmable Read-Only Memory	A non-volatile storage chip used in computers and other devices to store small amounts of volatile data, e.g. calibration tables or device configuration.
EGR	Exhaust Gas Recirculation	Is an NOx (nitrogen oxide and nitrogen dioxide) reduction technique used in most gasoline and diesel engines. EGR works by recirculating a portion of an engine's exhaust gas back to the engine cylinders.
EMI	Electromagnetic Interference	Electromagnetic interference (also called radio frequency interference) is a disturbance that affects an electrical circuit due to either electromagnetic conduction or electromagnetic radiation emitted from an external source.
ESD	Electrostatic Discharge	The sudden and momentary electric current that flows between two objects at different electrical potentials.
EV	Electric Vehicle	A category of vehicles that only have an electric drive system.
EVAP	Evaporative Emission	A system that controls the fuel fumes in the fuel tank.
FM	Frequency Modulation	In telecommunication this is a way to convey information over a carrier wave by varying its frequency.
FWD	Front-Wheel Drive	A form of engine/transmission layout used in motor vehicles, where the engine drives the front wheels only.
GMLAN	General Motors Local Area Network	A local-area network is a computer network covering a small geographic area, like a home or vehicle. This specific type of LAN connects several controllers inside the vehicle and was developed by General Motors.

Acronym	Meaning	Definition
GPS	Global Positioning System	Satellite-based navigation system made up of a network of 24 satellites placed into orbit by the U.S. Department of Defense.
GSM	Global System for Mobile Communications	Globally accepted standard for digital cellular communication.
GVW	Gross Vehicle Weight	Maximum total weight of a road vehicle or trailer that is loaded, including the weight of the vehicle itself plus fuel, passengers, cargo, and trailer tongue weight.
HD	Heavy Duty	Robust design to accommodate large work loads.
HID	High Intensity Discharge	A type of light that produces a bright light by using gas filled bulbs. (gas is usually mercury, metal halide, and high-pressure sodium) Uses very little battery power and is a very "cool" light.
HO2S	Heated Oxygen Sensor	Heated oxygen sensors have an internal heater circuit that brings the sensor up to operating temperature more quickly than an unheated sensor. An oxygen sensor must be hot (about 600 - 650Å°F) before it will generate a voltage signal. The hot exhaust from the engine will provide enough heat to bring an O2 sensor up to operating temperature.
HVAC	Heating Ventilation Air Conditioning	This system is sometimes referred to as climate control. Ventilation air ducts installed throughout a vehicle that supply conditioned air to a room through rectangular or round outlet vents.
I ² C	Inter-Integrated Circuit	Serial data connection between Integrated Circuits (microchips) inside a control module invented by Phillips
IAT	Intake Air Temperature	Temperature of the air entering intake air flow system of the engine.
ICE	Internal Combustion Engine	An engine in which the combustion of fuel and an oxidizer (typically air) occurs in a confined space called a combustion chamber.
ID	Identification	Number or Code that identifies a component or control module. Can be written on the part or be transmitted on a bus or via radio.
ISP	Internet Service Provider	A company that furnishes corporations and individual consumers with various services, mainly access to the Internet.
ISS	Input Shaft Speed	Rotational speed of the input shaft of a transmission.
LAN	Local Area Network	Standard network connection PC's.
LCD	Liquid Crystal Display	A thin, flat display device made up of any number of color or monochrome pixels arrayed in front of a light source or reflector.
LED	Light Emitting Diode	Small light bulbs that fit easily into an electrical circuit they do not have a filament that will burn out, and they do not get especially hot. They are illuminated solely by the movement of electrons in a semiconductor material.
LIN	Local Interconnect Network	Computer networking bus system used within automotive network architectures. Similar to CAN, but cheaper and less powerful.
LPG	Liquefied Petroleum Gas	A mixture of mainly propane and butane, produced commercially and stored under pressure to keep it in a liquid state.
MAF	Mass Air Flow	The amount of air drawn into the engine

Acronym	Meaning	Definition
MAP	Manifold Absolute Pressure	Pressure in the engine intake system after the throttle valve referenced to a perfect vacuum.
MDI	Multiple Diagnostics Interface	A device used by GM dealers that enables a PC to communicate with the control modules in a vehicle.
MIL	Malfunction Indicator Lamp	An indicator of the internal status of a car engine.
MOST	Media Oriented Systems Transport	Serial communication bus to transmit audio and video information.
N	Neutral	A state of the transmission in which it is not engaged.
NiMH	Nickel Metal Hydride	A type of rechargeable battery that uses a hydrogen absorbing alloy for the negative electrode.
NOx	Nitrogen Oxides	Refers to any of the following oxygen compounds of nitrogen or a mixture of them. Nitric Oxide, Nitrogen dioxide, Nitrous Oxide, Dinitrogen trioxide, Dinitrogen tetroxide, Dinitrogen pentoxide.
O2	Oxygen	A colorless, odorless, tasteless, gaseous chemical element with the chemical symbol O and atomic number 8.
O2S	Oxygen Sensor	An electronic device that measures the proportion of oxygen (O2) in the gas or liquid being analyzed.
OBD	On-Board Diagnostic	A generic term referring to a vehicle's self-diagnostic and reporting capability.
OEM	Original Equipment Manufacturer	A producer that provides a product to its customers, who proceed to modify or bundle it before distributing it to their customers.
OSS	Output Shaft Speed	Rotational speed of the output shaft of a transmission.
P	Park	A state in which the transmission is set so one can leave the vehicle.
PCB	Printed Circuit Board	A thin plate on which chips and other electronic components are placed.
PCM	Powertrain Control Module	A control module that features the functions of both, the engine and the transmission control module.
PCMCIA	Personal Computer Memory Card Industry Association	An international standards body and trade association with over 100 member companies that was founded in 1989 to establish standards for Integrated Circuit cards and to promote interchangeability among mobile computers where ruggedness, low power, and small size were critical.
PIN	Personal Identification Number	A secret numeric password shared between a user and a system that can be used to authenticate the user to the system.
PPE	Personal Protective Equipment	Protective clothing, helmets, goggles, or other garment designed to protect the wearer's body from injury.
PRNDL	Park, Reverse, Neutral, Drive, Low	Park, Reverse, Neutral, Drive, Low (automatic transmission positions).
PTC	Positive Temperature Coefficient	Refers to materials that experience an increase in electrical resistance when their temperature is raised.

Acronym	Meaning	Definition
PTO	Power Take-Off	A splined driveshaft, usually on a tractor or truck that can be used to provide power to an attachment or separate machine. This mechanism allows implements to draw energy from the tractor's engine.
PVC	Polyvinyl Chloride	A thermoplastic copolymer.
PWM	Pulse Width Modulation	Square shaped type of signal that carries the information in the ratio between on and off times.
R	Reverse	Rearward: directed or moving toward the rear;
RAM	Random Access Memory	A type of computer data storage. It today takes the form of integrated circuits that allow the stored data to be accessed in any order.
RCT	Radiator Coolant Temperature	This is the heat intensity of the radiator coolant measured in degrees. The radiator is a part of the cooling system that removes the engine heat. Coolant is a mixture of water and antifreeze (ethylene glycol) which lowers the freezing point of the water in the coolant system, this fluid also picks up heat from the engine and transfers it to the air.
RDS	Radio Data System	A standard from the European Broadcasting Union for sending small amounts of digital information using conventional FM radio broadcasts.
RF	Radio Frequency	A frequency or rate of oscillation within the range of about 3 Hz and 300 GHz. This range corresponds to frequency of alternating current electrical signals used to produce and detect radio waves.
ROM	Read-Only Memory	A class of storage media used in computers and other electronic devices. Data stored in ROM cannot be modified.
RPO	Regular Production Option	A three digit/letter code given to parts, assemblies, and systems originally installed on the vehicle. These RPO codes designate options and are assigned by General Motors.
RSA	Rear Seat Audio	An auxiliary set of controls that operate the main audio system from the rear seat. Rear passengers can also operate a different media source than the front passengers.
RWD	Rear-Wheel Drive	A common engine/transmission layout in which the engine is in the front of the vehicle, but the front mid-engine, rear mid-engine and rear engine layouts are also used.
SCV	Speed Controlled Volume	The volume control is set for a desired sound level in the vehicle as the vehicle increases its speed, the sound level is adjusted.
SDM	Sensing and Diagnostic Module	The name given to air bag modules used in General Motors vehicles.
SIM	Subscriber Identity Module	Part of a removable smart card Integrated Circuit Card. This is used for mobile cellular telephone devices such as mobile computers and mobile phones. SIM cards securely store the service-subscriber key used to identify a subscriber. The SIM card allows users to change phones by simply removing the SIM card from one mobile phone and inserting it into another mobile phone or broadband telephony device.

Acronym	Meaning	Definition
SIR	Supplemental Inflatable Restraint	Technical term for the air bag. Air bag is a stretchable membrane, which inflates during an automobile accident to provide cushioning to the passenger's head and torso to prevent injury to the passengers.
SPI	Serial Peripheral Interface	This is an interface that enables the serial (one bit at a time) exchange of data between two devices. An SPI operates in full duplex mode. This means that data can be transferred in both directions at the same time. It is a standard bus technology like CAN or I2C.
SPS	Service Programming System	System that enables repair facilities to update the software in control modules.
SUV	Sport Utility Vehicle	A passenger vehicle which combines the towing capacity of a pickup truck with the passenger-carrying space of a minivan.
SVS	Service Vehicle Soon	Indicator lamp or symbol for a malfunction related to a vehicle component or system.
TA	Traffic Announcement	Message spoken on radio regarding the movement of vehicles or pedestrians through an area or along a route. The buttons on radios that enable this announcements are also often labeled TA.
TAC	Throttle Actuator Control	A motor which moves the engine throttle plate or valve, controlled by the engine control module. A throttle plate limits the amount of air entering a internal combustion gasoline engine.
TAP	Transmission Adaptive Pressure	The transmission control module learns each component's characteristics and adjusts fluid pressure accordingly.
TCC	Torque Converter Clutch	Resides in a torque converter to connect an engine to an automatic transmission. The clutch is applied when conditions are correct to achieve a 1:1 ratio of engine crankshaft to transmission input shaft.
TCM	Transmission Control Module	A module that controls electronic automatic transmissions. It uses sensors from the vehicle as well as data provided by the Engine Control Module to calculate how and when to change gears in the vehicle for optimum performance, fuel economy and shift quality.
TDC	Top Dead Center	The piston is in its highest position relative to the combustion chamber.
TIS	Techline Information System	The PC-based global dealership diagnostic software that provides the technician the ability to reference the most recent service information via the service department's computer.
TPA	Terminal Position Assurance	An additional locking mechanism inside an electric connector that holds the pins in place.
TV	Television	A telecommunication system for broadcasting and receiving moving pictures and sound over a distance.
USB	Universal Serial Bus	A type of communication bus connection between a computer and a peripheral device.
VCI	Vehicle Communications Interface	A diagnostic tool that communicates to modules of multiple communication protocols in a vehicle by converting vehicle serial data into PC serial data communication.
VIN	Vehicle Identification Number	Used by manufacturers to uniquely identify motor vehicles using 17 characters.

Acronym	Meaning	Definition
VSCM	Vehicle Stability Control Module	This module uses information from several sensors to detect a loss of vehicle traction, then works with the antilock brake system to apply individual brakes to help keep the vehicle on its intended path.
VSS	Vehicle Speed Sensor	Sends data regarding how fast the car is traveling at the moment of driving. It is designed to be able to record the rate at which the vehicle's crankshaft is spinning.
WOT	Wide Open Throttle	When the throttle blade or valve is at its maximum open position, allowing maximum air to enter an internal combustion gasoline engine.
WLAN	Wireless Local Area Network	Standard to transmit digital data via radio frequency.
XM	XM (Satellite Radio)	XM Satellite Radio Holdings (XM) is one of two satellite radio services in the United States and Canada. XM provides pay-for-service radio, analogous to cable television. Its service includes 73 different music channels, 39 news, sports, talk, and entertainment channels, 21 regional traffic and weather channels and 23 play-by-play sports channels (2008).
XML	Extensible Markup Language	A markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable.

Units

Unit	Meaning	Definition
m ²	Square Meter	Area
A	Ampere	Electrical
Ah	Ampere Hour	Electrical
C	Coulomb	Electrical
dBm	Decibel Meter	Electrical
dBmV	Decibel Millivolt	Electrical
mV/DIV	Millivolts per Division	Electrical
mV/s	Millivolts per Second	Electrical
Ω	Ohm	Electrical
V	Volt	Electrical
V/DIV	Volts per Division	Electrical
V/ms	Volts per Millisecond	Electrical
W	Watt	Electrical
mm ³ /stroke	Cubic Millimeters per Stroke	Flow
gal/h	Gallons per Hour	Flow
g/s	grams per second	Flow
g/stroke	Grams per Stroke	Flow
kg/100km	Kilograms per 100 Kilometer	Flow
kg/h	Kilograms per Hour	Flow
km/L	kilometer/liter	Flow
L/100km	Liters per 100 Kilometers	Flow
L/h	Liters per Hour	Flow
L/min	Liters per Minute	Flow
MPG	Miles per Gallon	Flow
mg/s	Milligrams per Second	Flow
mg/stroke	Milligrams per stroke	Flow
ft	feet	Length

Unit	Meaning	Definition
in	Inch	Length
m	Meter	Length
mi	Mile	Length
bar	Bar	Mechanical
bar/min	Bars per Minute	Mechanical
in. H2O	Inches of Water	Mechanical
in. H2O/s	Inches of Water per second	Mechanical
kPa/s	Kilopascals per Second	Mechanical
N	Newton	Mechanical
N.m	Newton Meter	Mechanical
Pa	Pascal	Mechanical
Pa/s	Pascals per Second	Mechanical
lb ft	Pound Foot	Mechanical
PSI	Pound-Force per Square Inch	Mechanical
Counts	Counts	Misc.
Cycles	Cycles	Misc.
dB	Decibel	Misc.
Â°	Degree	Misc.
Â°C	Degree Centigrade	Misc.
Â°CA	Degree Crankshaft Angle	Misc.
Â°F	Degree Fahrenheit	Misc.
Â°/s	Degree per Second	Misc.
Hz	Hertz	Misc.
kbit/s	Kilobit per second	Misc.
lx	Lux	Misc.
ppm	Parts per Million	Misc.
%	Percent	Misc.
%/min	Percents per Minute	Misc.
%/sec	Percents per Second	Misc.
Pulses	Pulses	Misc.
:1	Ratio	Misc.
RPM	Revolutions per Minute	Misc.
Steps	Steps	Misc.
W/m ²	Watts per Square Meter	Misc.
g	g (Acceleration)	Movement
km/h	Kilometers per Hour	Movement
m/s	Meters per Second	Movement
m/s ³	Meters per Second Cubed	Movement
m/s ²	Meters per Second Squared	Movement
MPH	Miles per Hour	Movement
mm/s	Millimeters per Second	Movement
d	Day	Time
h	Hour	Time
hh:mm:ss	Hour:Minute:Second	Time
ms/DIV	Milliseconds per Division	Time
min	Minute	Time
s	Second	Time
s/DIV	Seconds per Division	Time
yy-mm-dd	Year-Month-Day (2 digits)	Time
yyyy-mm-dd	Year-Month-Day (4 digits, preferred)	Time
m ³	Cubic Meter	Volume

Unit	Meaning	Definition
gal	Gallon	Volume
L	Liter	Volume
mL	milliliters	Volume
US gal	US Gallon	Volume
US pt	US Pint	Volume
US qt	US Quart	Volume
kg	Kilogram	Weight

GRAPHIC COLORS AND GRAPHIC SYMBOLS

Graphic Colors - General

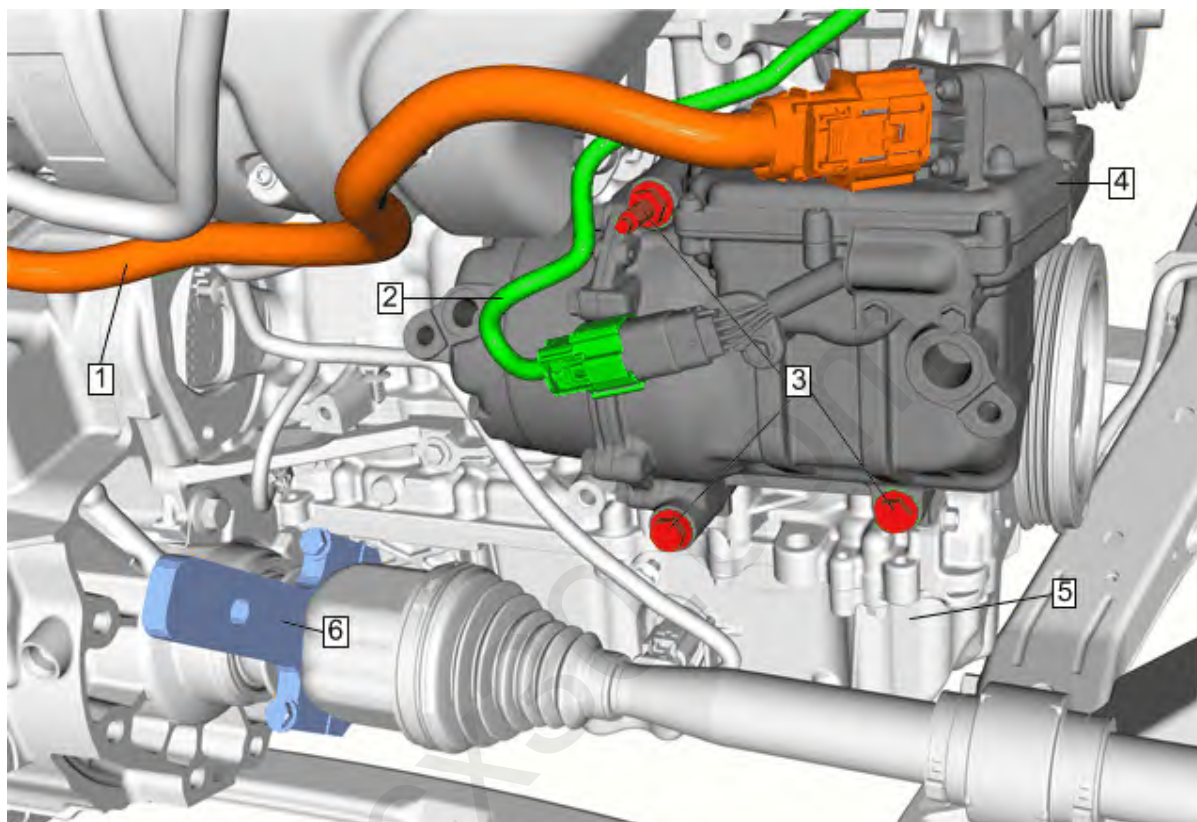


Fig. 2: Graphic Colors - General

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Orange - High voltage electrical connectors and harnesses being removed or installed.
2	Green - Electrical connectors and harnesses being removed or installed.
3	Red - Fasteners being removed or installed.
4	Dark Gray - Standout color that shows the component being removed or installed.
5	Light Gray - Background detail to show component location.
6	Light Blue - Special tool being used.

Graphic Symbols - Collision Repair

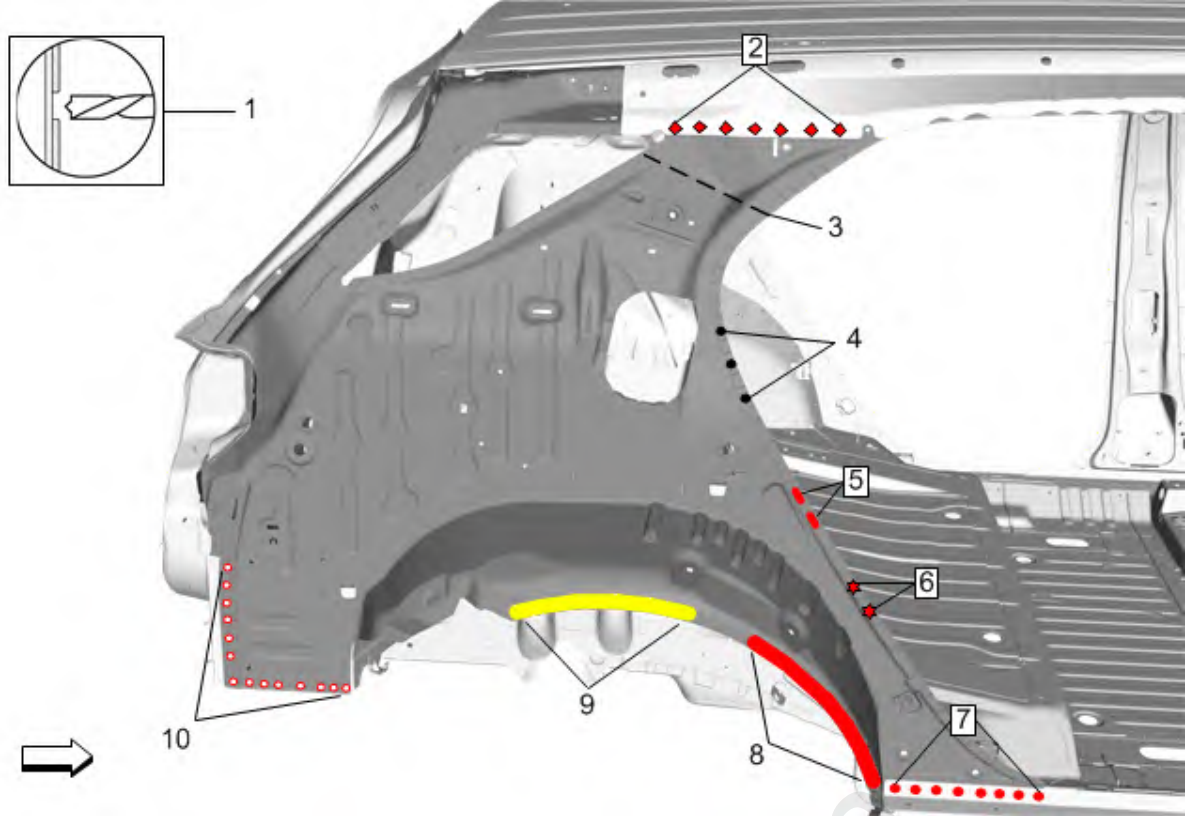


Fig. 3: Graphic Symbols - Collision Repair
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Drill through top layer of material only
2	Structural Rivet
3	Sectioning Location
4	Drill Hole
5	Mig Braze Slot
6	Self-Piercing Rivet
7	Mig/Mag Plug Weld
8	Adhesive
9	Apply Heat
10	Resistance Spot Weld

CUSTOMER CONCERN VERIFICATION SHEETS

The GM Customer Concern Verification Sheets have been designed to improve communications between the service customer and the technician. The more clearly the technician understands the concern and its symptoms, the more likely the concern will be fixed right the first time.

TRAINING

Dealers

All U.S. GM Dealers participating in the Center of Learning / GM Service Technical College (STC) Programs can enroll through the Center of Learning website at <https://www.centerlearning.com>. Within the website, there are individual training paths that are designed to assist in planning the training needs for each individual and their job role. Dealers who have questions about Center of Learning Training should contact the Center of Learning help desk at 1-888-748-2687. The help desk is available Monday through Friday, 8:00 am - 9:00 pm Eastern Standard Time, excluding holidays. For GM Access support, contact the GM Access Help Desk at 1-888-337-1010.

Fleets

GM Fleet customers with GM Warranty In-Shop agreements are able to participate in service technical training through the Center of Learning/GM Service Technical College (STC).

Assistance for GM fleet registered customers using GM STC training is provided by the Center of Learning help desk at 1-888-748-2687. The help desk is available Monday through Friday, 8:00 am - 9:00 pm Eastern Standard Time, excluding holidays. For GM Access support, contact the GM Access Help Desk at 1-888-337-1010.

Most GM STC course materials have associated charges.

To purchase authentic GM STC Training Materials, contact the GM Training Materials Headquarters at 1-800-393-4831.

Non-GM Dealer Technicians

Technician training for non-GM dealers is available through ACDelco. This training is for ACDelco PSC and Fleet program members employed in the automotive or truck service industry.

ACDelco courses are available at approved GM STC Training Centers. Availability and schedules can be obtained by calling 1-800-825-5886 (prompt 1) or contact us via the web at www.acdelcotechconnect.com and select the Training tab. Seminars are also offered through the ACDelco Warehouse Distribution channel. Contact your Local ACDelco representative or distributor directly for more information.

VEHICLE, ENGINE AND TRANSMISSION ID AND VIN LOCATION, DERIVATIVE AND USAGE

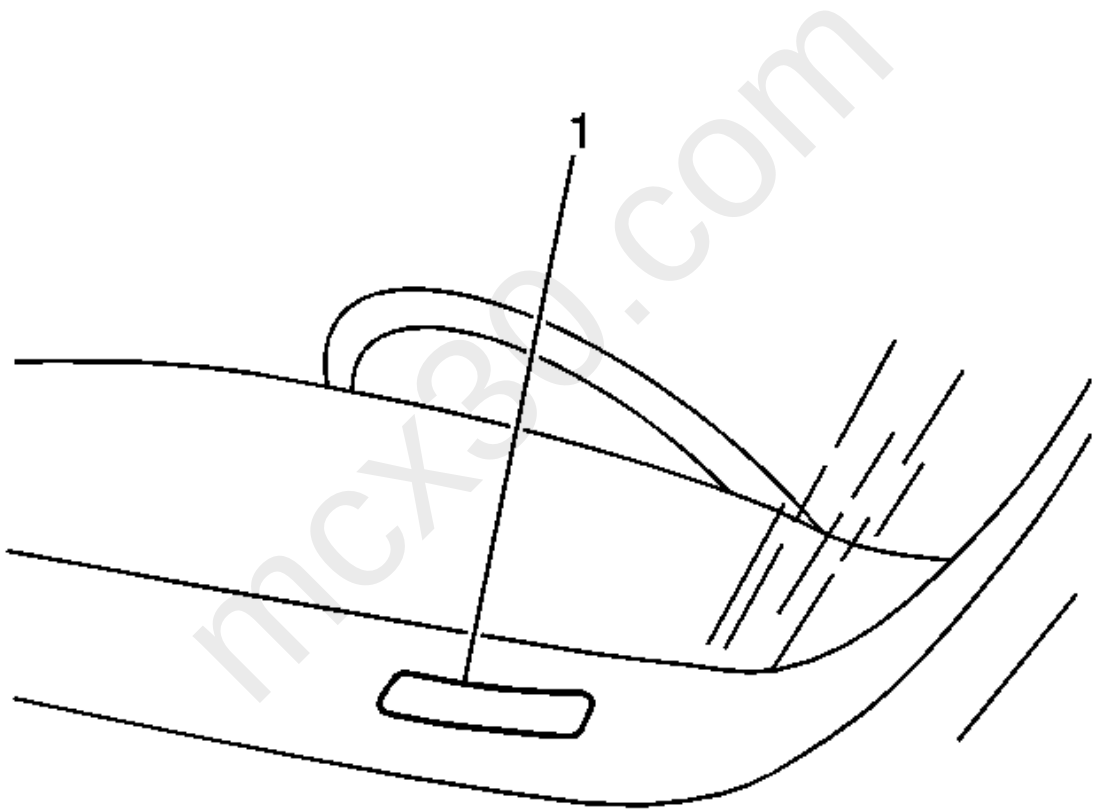


Fig. 4: View Of VIN Plate Location
Courtesy of GENERAL MOTORS COMPANY

Position	Definition	Character	Description

Position	Definition	Character	Description
Vehicle Identification Number (VIN) System The VIN plate (1) is the legal identifier of the vehicle. The VIN plate is located on the upper left corner of the instrument panel and can be seen through the windshield from the outside of the vehicle.			
1	Country of Origin	2	Canada
		3	Mexico
2	Manufacturer	G	General Motors
3	Vehicle Brand/Type	N	Chevrolet MPV
		K	GMC MPV
4	GVWR/Brake System/Body Style	A	4, 001-5, 000 lbs/Hydraulic/Four Door Cab/Utility
5 6	Line/Chassis/Series	X/G	Equinox L FWD
		X/H	Equinox LS FWD
		X/J	Equinox LT FWD (1LT)
		X/K	Equinox LT FWD (2LT)
		X/L	Equinox LT FWD (3LT)
		X/M	Equinox Premier FWD (1LT)
		X/N	Equinox Premier FWD (2LT)
		X/P	Equinox Premier FWD (3LT)
		X/R	Equinox LS AWD
		X/S	Equinox LT AWD (1LT)
		X/T	Equinox LT AWD (2LT)
		X/U	Equinox LT AWD (3LT)
		X/V	Equinox Premier AWD (1LT)
		X/W	Equinox Premier AWD (2LT)
		X/X	Equinox Premier AWD (3LT)
		X/9	Equinox (Non US, Non Canada)
		L/L	GMC Terrain SL FWD
		L/M	GMC Terrain SLE FWD
		L/N	GMC Terrain SLE FWD Diesel
		L/P	GMC Terrain SLT FWD
		L/R	GMC Terrain SLT FWD Diesel
		L/S	GMC Terrain Denali FWD
		L/T	GMC Terrain SLE AWD
		L/U	GMC Terrain SLE AWD Diesel
		L/V	GMC Terrain SLT AWD
		L/W	GMC Terrain SLT AWD Diesel
		L/X	GMC Terrain Denali AWD
		L/8	GMC Terrain (Export only)
7	Restraint System	D	AJG - Active Manual Belts, Airbags - Driver and Passenger Front (1st row), and Front Seat Side (1st row)
		E	AY0/AYC - Active Manual Belts, Airbags - Driver and Passenger Front (1st row), Front Seat Side (1st row), Roof Side (All seating rows)
8	Engine Type	U	LH7 - Engine Diesel, UREA, 4 Cylinder, 1.6L, L4, CRI, DOHC, VGT, ALUM
		V	LYX - Engine Gas, 4 Cylinder, L4, 1.5L, DI, DOHC, VVT, FGT, TURBO, ALUM, GEN 1

Position	Definition	Character	Description
		X	LTG - Engine Gas, 4 Cylinder, 2.0L, SIDI, L4, ALUM DOHC, VVT, DCVCP TURBO, E0 - E100, ALUM
		8	LVL - Engine Diesel, 4 Cylinder, 1.6L, CRI, DOHC, VGT, 103KW
		9	LWW - Engine Diesel, 4 Cylinder, 1.6L, L4, VGT, DOHC, ALUM, A16DTH GEN 1
9	Check Digit	-	Check Digit
10	Model Year	J	2018
11	Plant Location	6	CAMI (When VIN position 1 is "2" (Canada)
		L	San Luis Potosi (When VIN position 1 is "2" (Canada), When VIN position 1 is "3" (Mexico)
		S	Ramos Arizpe (When VIN position 1 is "3" (Mexico)
12 - 17	Plant Sequence Number	-	Plant Sequence Number

6T40 (MNH, MNK) or 6T45 (MHG) Transmission ID and VIN Derivative Location

Refer to [Transmission Identification Information](#) .

9T45 (M3U) or 9T50 (M3D, M3H) Transmission ID and VIN Derivative Location

Refer to [Transmission Identification Information](#) .

1.5L (LYX) Engine ID and VIN Derivative Location

Refer to [Engine Identification](#) .

1.6L (LH7) Diesel Engine ID and VIN Derivative Location

Refer to [Engine Identification](#) .

2.0L (LTG) Engine ID and VIN Derivative Location

Refer to [Engine Identification](#) .

VEHICLE CERTIFICATION, TIRE PLACARD, ANTI-THEFT, AND SERVICE PARTS ID LABEL

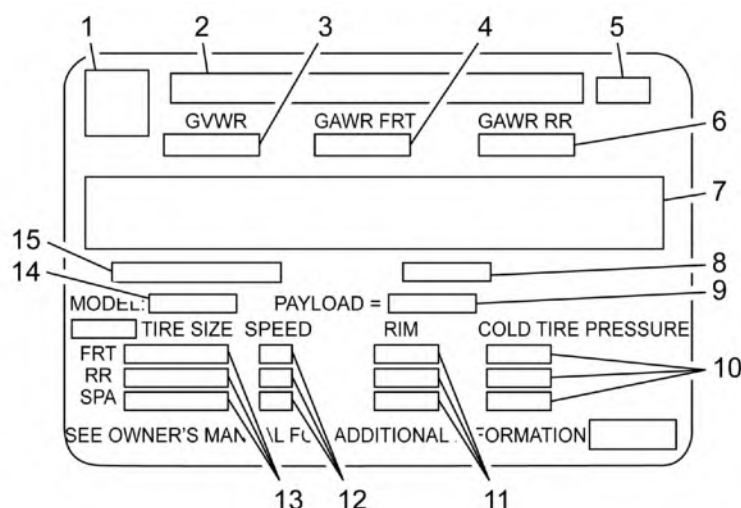
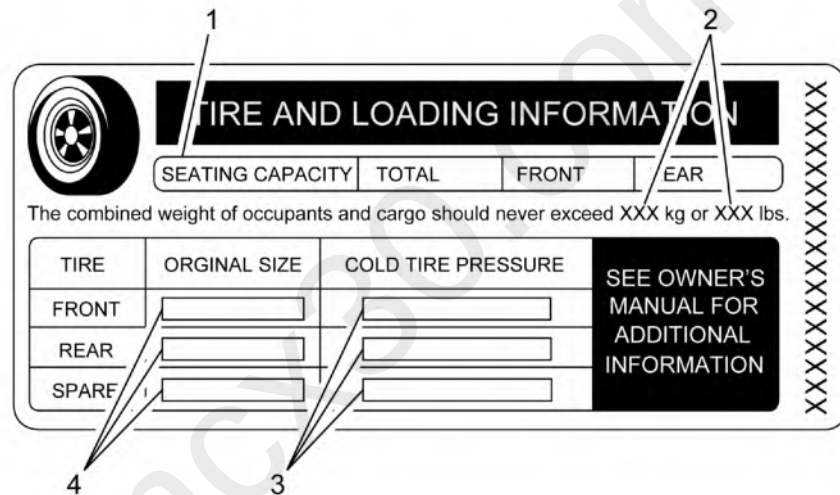


Fig. 5: Vehicle Certification Label

Courtesy of GENERAL MOTORS COMPANY

Vehicle Certification Label

Callout	Description
1	Logo
2	Name of Manufacturer
3	Maximum Gross Vehicle Weight Rating (GVWR)
4	Maximum Gross Axle Weight Rating (GAWR) - Front
5	Final Date of Manufacture (Month and Year MM/YY) Date of manufacture callout C is to reflect the date that the vehicle is counted as built. In those cases where a replacement label is needed, the replacement label should reflect the actual build date not the date of replacement.
6	Maximum Gross Axle Weight Rating (GAWR) - Rear
7	Certification Statement
8	Vehicle Class Type (Pass Car, etc.)
9	Payload
10	Tire Pressure, Front, Rear, and Spare (Cold)
11	Original Tire Rim Size
12	Tire Speed Rating
13	Original Equipment Tire Size
14	Engineering Model Number
15	Vehicle Identification Number (VIN)

**Fig. 6: Tire Placard**Courtesy of **GENERAL MOTORS COMPANY****Tire Placard**

Callout	Description
1	Specified Occupant Seating Positions
2	Maximum Vehicle Capacity Weight
3	Tire Pressure, Front, Rear, and Spare (Cold)
4	Original Equipment Tire Size



Fig. 7: Anti-Theft Label

Courtesy of GENERAL MOTORS COMPANY

Anti-Theft Label

Callout	Description
1	The Federal law requires that General Motors label certain body parts on this vehicle with the VIN. The purpose of the law is to reduce the number of motor vehicle thefts by helping in the tracing and recovery of parts from stolen vehicles. Labels are permanently affixed to an interior surface of the part. The label on the replacement part contains the letter R, the manufacturer's logo, and the DOT symbol. The anti-theft label must be covered before any painting, rustproofing procedures, and uncovered after the procedures. Failure to follow the precautionary steps may result in liability for violation of the Federal Vehicle Theft Prevention Standard and possible suspicion to the owner that the part was stolen.

Service Parts ID Label

This label is located on the inside of the glove box and contains the Vehicle Identification Number (VIN), the model designation, the paint information, production options, and special equipment.

RPO CODE LIST

The following table provides the description of the Regular Production Option (RPO) codes that are available on the vehicle. The vehicle's RPO list is printed on the Service Parts Identification Label.

RPO	Description
2SA	PACKAGE-SL OPTION 1
3SA	PACKAGE-SLE OPTION 1
3SB	PACKAGE-SLE OPTION 2
4AA	INTERIOR TRIM-JET BLACK
4EC	INTERIOR TRIM-ARTEMIS/VY LT PLATINUM
4EL	INTERIOR TRIM-JET BLACK/BRANDY
4GO	WHEEL SPARE-17 X 4.0, BT, STEEL, DESIGN 1
4HL	INTERIOR TRIM-BRANDY
4HM	INTERIOR TRIM-MED ASH GRAY (D2UC)
4SA	PACKAGE-SLT OPTION 1
4SB	PACKAGE-SLT OPTION 2
53M	INTERIOR TRIM-JET BLACK/BRANDY DENIM
5A7	WHEEL SPARE-NONE
5CW	TIRE ALL-225/65R17 SL 102V BW AL3 VAR2
5CX	TIRE ALL-225/65R17 SL 102H BW ALS VAR1
5CY	TIRE ALL-225/65R17 SL 102H BW ALS VAR2
5KE	ACCESSORY-MOLDING KIT - EXTERIOR

RPO	Description
5LE	ACCESSORY-GARAGE DOOR OPENER
5SA	PACKAGE-DENALI OPTION 1
5Y3	ACCESSORY-TOW BALL - TRAILER HITCH
62R	INTERIOR TRIM CONFIG-LEATHER, LEVEL 3, JET BLACK / BRANDY
6K5	SALES PACKAGE-CONVENIENCE II
9L3	TIRE SPARE-NONE
A45	MEMORY-SEAT ADJUSTER, MIRROR, POWER, DRIVER, PERSONALIZATION
A9U	SEAT BACK-ONE-TOUCH FOLDING
ACO	IDENTIFICATION-ACCESSORY CATALOG OFFERING
ADT	ADJUSTER PASS ST-POWER, MULTI-DIRECTIONAL, RECLINER MANUAL
AED	WINDOW REG PASS DR-POWER OPERATED, EXPRESS DOWN
AEQ	WINDOW REG REAR DR-POWER OPERATED, EXPRESS DOWN
AG1	ADJUSTER FRT ST-POWER, MULTI-DIRECTIONAL, DRIVER
AG2	ADJUSTER PASS ST-POWER, MULTI-DIRECTIONAL
AG6	ADJUSTER PASS ST-MANUAL, 4 WAY
AJC	RESTRAINT-HEAD, FRT SEAT, UP/DOWN ADJUSTMENT
AKK	WINDSHIELD STYLE-ACOUSTIC PVB
AKO	WINDOW TYPE-PRIVACY
AKP	WINDOW TYPE-SOLAR ABSORBING
AL0	SENSOR INDICATOR-INFLATABLE RESTRAINT, FRT PASS/CHILD PRESENCE DETECTOR
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY
AP9	NET-CONVENIENCE
AR9	SEAT-FRT BKT, DELUXE
ASV	EQUIPMENT-SENSOR AIR MOISTURE & W/S TEMP
AT9	LUMBAR PASSENGER-SEAT, POWER, 2 WAY
ATH	LOCK CONTROL, ENTRY-REMOTE ENTRY, EXTENDED RANGE, PASSIVE ENTRY, ALL DOORS
AU3	LOCK CONTROL-SIDE DR, ELEC
AXG	WINDOW REG DRVR DR-POWER OPERATED, EXPRESS UP/DOWN
AXP	VEHICLE TYPE-MULTI-PURPOSE PASSENGER VEHICLE
AY0	RESTRAINT SYSTEM-SEAT, INFLATABLE, DRIVER & PASS FRT, SEAT SIDE, ROOF SIDE
B26	SALES PACKAGE-SAFETY PACKAGE VAR. 1
B34	COVERING FRT-FLOOR MATS, CARPETED INSERT
B35	COVERING REAR-FLOOR MATS, CARPETED INSERT
B86	MOLDING B/S-BODY COLOR
B87	MOLDING B/S-BLACK
BAG	PARTS PKG-EXPORT
BGP	SALES PACKAGE-SAFETY PACKAGE VAR. 2
BTM	SWITCH-ENGINE START, KEYLESS
BTT	ALARM-REMOTE PANIC
BTV	REMOTE START-ENGINE
C32	HEATER-HEATING/DEFROSTER SYSTEM, REINFORCED, ELECTRIC
C3M	GVW RATING-2200 KG
C3U	ROOF-SUN, GLASS, SLIDING, ELEC, TRANSPARENT GLASS FIXED
C4P	HVAC SYSTEM-AIR CONDITIONER FRT, SEMIAUTOMATIC, ELECTRONIC CONTROLS
CAV	ACCESSORY-TRAY - TRUNK/CARGO AREA
CG6	ORNAMENTATION-EXTR, NAMEPLATE, VAR 1

RPO	Description
CGY	COVER-CARGO, FABRIC
CJ2	HVAC SYSTEM-AIR CONDITIONER FRT, AUTO TEMP CONT, AUX TEMP CONT
CK2	COUNTRY-YEMEN
CNI	GVW RATING-2100 KG
CNQ	GVW RATING-2025 KG
CNX	ORNAMENTATION-NAME PLATE "TD"
CU7	COUNTRY-KUWAIT
CU8	COUNTRY-SAUDI ARABIA
CV3	COUNTRY-MEXICO
CV4	COUNTRY-ISRAEL
CV8	COUNTRY-IRAQ
CX9	COUNTRY-LEBANON
CY2	COUNTRY-JORDAN
D31	MIRROR I/S R/V-TILT
D3S	COUNTRY-QATAR
D4C	COUNTRY-BAHRAIN
D5P	COUNTRY-UNITED ARABIC EMIRATES
D6K	SEAT BACK-FOLDING, FLAT, PASSENGER SIDE
D75	HANDLE O/S DOOR-BODY COLOR
D7A	HANDLE O/S DOOR-BODY COLOR, CHROME STRIP
DD8	MIRROR I/S R/V-LT SENSITIVE
DEU	MIRROR PROVISION HSG-HOUSING, BLACK MEET KETTLE MET
DLF	MIRROR O/S-LH & RH, RC, ELEC, HEAT, MAN FOLD, FLAT/DRVR, CNVXPASS
DP6	MIRROR PROVISIONS-HOUSING, PAINTED
DP9	MIRROR PROVISIONS-HOUSING, CHROME
DPK	MIRROR PROVISIONS-HOUSING, BLACK
DWK	MIRROR O/S-LH & RH, RC, ELEC, HEAT, FLAT/DRVR, MANFOLD, CNVX/PASS, TURN SIG IND
DWL	MIRROR O/S-LH & RH, RC, ELEC, HEAT, FLAT/DRVR, MANFOLD, CNVX/PASS, TURN SIG IND, LT SENS
E22	HANDLE-ASSIST, RR
E27	HANDLE-ASSIST, PASS
E28	HANDLE-ASSIST
E6H	COUNTRY-OMAN
EA1	POCKET-FRONT SEAT BACK, LH
EA2	POCKET-FRONT SEAT BACK, RH
EF7	COUNTRY-UNITED STATES OF AMERICA (USA)
EPH	TRANS RANGE SEL SYS-ELECTRONIC
EPM	MODEL CONVERSION-ALL WHEEL DRIVE
F48	CHASSIS DRIVE LINE-ALL WHEEL DRIVE (AWD)/FOUR WHEEL DRIVE(4WD), DRIVER SELECT
FE9	CERTIFICATION-EMISSION, FEDERAL
FHB	RATIO-TRANSAXLE FINAL DRIVE 3.47
FHO	VEHICLE FUEL-GASOLINE E10
FHX	VEHICLE FUEL-DIESEL B20
FJM	RATIO-TRANSAXLE FINAL DRIVE 3.50
FJW	VEHICLE FUEL-GASOLINE E15
FWD	CHASSIS DRIVE LINE-FRONT WHEEL DRIVE (FWD)
FX3	RIDE AND HANDLING-AUTOMATIC ELECTRONIC CONTROLLED
FX6	RATIO-TRANSAXLE FINAL DRIVE 3.87
FXK	RATIO-TRANSAXLE FINAL DRIVE 2.89

RPO	Description
FXP	RATIO-TRANSAXLE FINAL DRIVE 3.17
G1W	PRIMARY COLOR-EXTERIOR, ABALONE WHITE TRICOAT(140X)
G35	PRIMARY COLOR-EXTERIOR, BLUE STEEL MET-1 (424C)
G63	PROVISIONS-LUGGAGE CARRIER, ROOF
G7Q	PRIMARY COLOR-EXTERIOR, SON OF A GUN GRAY MET (139X)
G8K	PRIMARY COLOR-EXTERIOR, COPPERTINO MET-1 (444C)
G8U	PRIMARY COLOR-EXTERIOR, KIMONO MET-1 (449C)
G9K	PRIMARY COLOR-EXTERIOR, SATIN STEEL GRAY MET-3 (464C)
GAN	PRIMARY COLOR-EXTERIOR, SWITCHBLADE SILVER MET (G) 636R
GAZ	PRIMARY COLOR-EXTERIOR, SUMMIT WHITE (G) 8624
GB8	PRIMARY COLOR-EXTERIOR, BLACK MEET KETTLE MET (384A)
GBA	PRIMARY COLOR-EXTERIOR, BLACK (G) 8555
GGC	GRILLE-CUSTOM
GGQ	PRIMARY COLOR-BURNING HOT MET(425B)
GJB	PRIMARY COLOR-EXTERIOR, MINERAL MET (433B)
GMU	PRIMARY COLOR-EXTERIOR, PEPPERDUST MET-2 (441B)
GNA	CHASSIS EQUIP FRONT-STRUT ASM
GND	CHASSIS EQUIP REAR-REAR AXLE, 4-LINK, NON-ISOLATED
GPJ	PRIMARY COLOR-GLORY RED TINT-2 (434B)
H0Y	INTERIOR TRIM CONFIG-LEATHER, LEVEL 1, JET BLACK
H17	INTERIOR TRIM CONFIG-LEATHER, LEVEL 1, MED ASH GRAY
H1T	INTERIOR TRIM CONFIG-CLOTH, LEVEL 1, JET BLACK
H1Y	INTERIOR TRIM CONFIG-LEATHER, LEVEL 2, JET BLACK
H2U	INTERIOR TRIM CONFIG-LEATHER, LEVEL 3, JET BLACK
H72	INTERIOR TRIM CONFIG-CLOTH, LEVEL 1, MED ASH GRAY
HQJ	INTERIOR TRIM CONFIG-CLOTH, LEVEL 1, JET BLACK/BRANDY DENIM
HQK	INTERIOR TRIM CONFIG-LEATHER, LEVEL 2, MED ASH GRAY (D2UC)
HR4	INTERIOR TRIM CONFIG-LEATHER, LEVEL 1, BRANDY
HS4	INTERIOR TRIM CONFIG-LEATHER, LEVEL 2, ARTEMIS/VY LT PLATINUM
I18	ENGINEERING YEAR-2018
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION
IOB	RADIO-INFOTAINMENT SYSTEM - MIDLEVEL HMI, MIDLEVEL CONNECTIVITY
IOR	RADIO-INFOTAINMENT SYSTEM - 3.X LOW HMI, MIDLEVEL CONNECTIVITY 3.X
IOS	RADIO-INFOTAINMENT SYSTEM - 3.X MID/HIGH HMI, ENHANCED CONNECTIVITY, VOICE RECOGNITION, MID SD NAV CAPABLE
IOT	RADIO-INFOTAINMENT SYSTEM - 3.X MID/HIGH HMI, ENHANCED CONNECTIVITY, VOICE RECOGNITION, PREMIUM SD NAV
IOU	RADIO-INFOTAINMENT SYSTEM - 3.X MID/HIGH HMI, ENHANCED CONNECTIVITY, VOICE RECOGNITION, MID SD NAV
J17	BRAKE SYSTEM-POWER, FRT DISC 17" & RR DISC 16", ABS
J1Z	MODEL CONVERSION-INTERNET MODEL
J60	BRAKE SYSTEM-POWER, FRT & RR DISC, ABS, 16"
J71	BRAKE PARKING-POWER OPERATED
JHD	CONTROL-HILL DESCENT, GEAR HOLD

RPO	Description
JJ2	BRAKE LINING-BRAKE NOISE AND DUST PERFORMANCE
JNK	PROVISIONS-TOW HOOKS
K05	HEATER ENG-BLOCK
K13	EXHAUST-FILTER EXHAUST SYSTEM, PARTICLE
K34	CRUISE CONTROL-AUTOMATIC, ELECTRONIC
K4C	CHARGER-INDUCTIVE PORTABLE WIRELESS DEVICE
KA1	HEATER SEAT FRT-DRVR & PASS
KA6	HEATER SEAT-REAR
KB7	SHIFT CONTROL-MANUAL SHIFT, AUTOMATIC TRANSMISSION
KC5	RECEPTACLE-ELECTRICAL, ACCESSORY
KC8	RECEPTACLE-ELECTRICAL, LOAD COMPARTMENT
KI2	KNOB-TRANS CONT LEVER, POLYURETHANE
KI6	RECEPTACLE-ELECTRICAL, FRT CONSOLE RR 110 VOLT
KI7	RECEPTACLE-ELECTRICAL, FRT CONSOLE RR 230 VOLT
KL9	ENG CONTROL-STOP/START SYS, CONVENTIONAL AT, CONVENTIONAL MT OR BRAKE RELEASE LATE RESTART
KPA	RECEPTACLE-ELECTRICAL, FRT CONSOLE RR
KPK	HEATER-OIL PAN
KRV	REFRIGERANT-LOW GWP
KTI	KIT, TIRE-INFLATOR
KU1	VENTILATED SEAT DRVR-FRONT
KU3	VENTILATED SEAT PASS-FRONT
LH7	ENGINE-DIESEL, UREA, 4 CYL, 1.6L, L4, CRI, DOHC, VGT, ALUM
LHD	VEHICLE DRIVE-LEFTHAND DRIVE
LTG	ENGINE-GAS, 4 CYL, 2.0L, SIDI, L4, ALUM DOHC, VVT, DCVCP, TURBO, E0-E100, ALUM
LYX	ENGINE-GAS, 4 CYL, L4, 1.5L, DI, DOHC, VVT, FGT, TURBO, ALUM, GEN 1
M3D	TRANSMISSION-AUTO 9 SPD, 9T50 GEN 1
M3H	TRANSMISSION-AUTO 9 SPD, 9T50, ETRS GEN 1
M3U	TRANSMISSION-AUTO 9 SPD, 9T45, ETRS GEN 1
MAH	MARKETING AREA-US, PUERTO RICO/USVI
MAM	MARKETING AREA-MIDDLE EAST
MBC	MARKETING AREA-CANADA
MBI	MARKETING AREA-ISRAEL
MCR	RECEPTACLE-MEMORY CARD
MCX	MARKETING AREA-MEXICO
MCZ	PORT, MULTI ELEK DEV-USB
MHG	TRANSMISSION-AUTO 6 SPD, HMD, GM, BAS+, 6T45, HYBRID, FWD
MM1	MERCHANDISED TRANS-AUTO EQUIPMENT
MNH	TRANSMISSION-AUTO 6 SPD, 6T40, GEN3, VAR1
N34	STEERING WHEEL-LEATHER, 3 SPOKES
N43	STEERING WHEEL-4 SPOKES, DELUXE
N52	STEERING WHEEL-3 SPOKES, DELUXE
NB5	EXHAUST SYSTEM-SINGLE
NDE	EXHAUST-SELECTIVE CATALYTIC REDUCTION SYSTEM
NE1	CERTIFICATION-EMISSION, GEOGRAPHICALLY RESTRICTED REGISTRATION FOR VEHICLES UP TO 14,000 LBS GVW (USE 2003 MDL YR
NE8	EVAPORATIVE SYSTEM-LEVEL 3 EMISSIONS
NGT	PLANT CODE-INGERSOLL, ONT, CANADA (CAMI)
NKC	NOISE CONTROL-ACTIVE NOISE CANCELLATION, ENGINE
NTB	EMISSION SYSTEM-FEDERAL, TIER 3

RPO	Description
NUB	EMISSION SYSTEM-CALIFORNIA, ULEV70
NUC	EMISSION SYSTEM-CALIFORNIA, ULEV50
NUF	EMISSION SYSTEM-CALIFORNIA, ULEV125
NWO	TAILPIPE-DUAL EXPOSED, W/BRIGHT TIPS
PJH	WHEEL-19 X 7.5, J, ALUMINUM, DESIGN #6
PS1	SALES PACKAGE-COMFORT
Q8E	JACK-MECHANICAL, W/TOOLS
QCL	TIRE SPARE-T125/70R17 SL 98M BW SPR
RDI	ACCESSORY-KEYLESS ENTRY
RIA	ACCESSORY-FLOOR LINER - CONTOURED
RIK	ACCESSORY-BADGE - EXTERIOR, PACKAGE, DESIGN 1
RJA	TIRE SPARE-T135/70R16 SL 100M BW SPR
RM2	TIRE ALL-225/60R18 SL 100V BW AL3
RR0	TIRE ALL-235/50R19 SL 99H BW AL3
RSB	WHEEL-17 X 7.0, J, ALUMINUM, DESIGN 1
RSX	WHEEL-18 X 7.0, J, ALUMINUM, DESIGN 1
RT7	WHEEL-19 X 7.5, J, ALUMINUM, DESIGN 1
RUB	TIRE ALL-225/60R18 SL 100H BW AL3
RV6	WHEEL-18 X 7.0, J, ALUMINUM, DESIGN 2
RVG	ACCESSORY-ADAPTER - TRAILER HARNESS
RVX	ACCESSORY-BALL MOUNT - TRAILER HITCH
RVZ	WHEEL SPARE-16 X 4.0, T, STEEL, DESIGN 1
RWP	ACCESSORY-CABLE - PORTABLE MUSIC PLAYER
RWS	ACCESSORY-FLOOR MATS - CARPET
RWU	ACCESSORY-CARGO AREA ORGANIZER - COLLAPSIBLE
RYT	ACCESSORY-FIRST AID KIT
RZ8	ACCESSORY-ADAPTER - TRAILER HARNESS - 7 TO 13 PIN
RZ9	ACCESSORY-GRILLES/GRILLE INSERT - ALTERNATE DESIGN 1
RZA	WHEEL-19 X 7.5, J, ALUMINUM, DESIGN 2
S08	ACCESSORY-HIGHWAY SAFETY KIT
S1V	ACCESSORY-HEADPHONES - RSE
S44	ACCESSORY-LOCKING PIN - TRAILER HITCH
S47	ACCESSORY-LUG NUTS
S4X	ACCESSORY-MIRROR COVERS/SKULL CAPS - ALTERNATE FINISH - PAINTED
S6P	ACCESSORY-REMOTE START KIT
S6Q	ACCESSORY-ROADSIDE ASSISTANCE PACKAGE
S6W	ACCESSORY-SEAT COVER - MUDDER (PROTECTIVE)
SAL	PLANT CODE-RAMOS ARIZPE, MEXICO
SAO	ACCESSORY-SMOKERS PACKAGE
SD5	ACCESSORY-TIRE PRESSURE MONITOR
SDE	ACCESSORY-TRAILER HITCH - REMOVABLE
SDI	ACCESSORY-TRIANGLE - REFLECTIVE
SFE	ACCESSORY-WHEEL LOCKS
SFZ	ACCESSORY-EMBLEM - EXTERIOR - DESIGN 1
SIF	ACCESSORY-RSE - PORTABLE MEDIA CONNECTIVITY PACKAGE
SIL	ACCESSORY-RSE - PORTABLE MEDIA CONNECTIVITY PKG - W/INTEGRATED POWER
SN7	ACCESSORY-WHEEL - 19 X 7.5 - J - ALUMINUM - DESIGN 1
SN8	ACCESSORY-WHEEL - 19 X 7.5 - J - ALUMINUM - DESIGN 2
SPM	PLANT CODE-SAN LUIS POTOSI, MEXICO

RPO	Description
SR2	ACCESSORY-RSE - DUAL HEADREST DISPLAY W/WIRELESS CONNECTIVITY
SR3	ACCESSORY-RSE - DUAL HEADREST DISPLAY W/WIRELESS CONNECTIVITY & DVD
T3S	LAMP-DAYTIME RUNNING, SEPARATE CAVITY, LED
T3U	LAMP FRT FOG-FRT FOG
T44	ALARM-OVERSPEED WARNING, ACOUSTICAL
T4A	HEADLAMPS-HALOGEN
T4F	HEADLAMPS-HIGH INTENSITY DISCHARGE
T4L	HEADLAMPS-LED
T74	CONTROL, HEADLAMPS-AUTOMATIC, DELAY
T83	CONTROL, HEADLAMPS-AUTOMATIC ON-OFF
TB4	BODY EQUIPMENT-LIFT GATE (MANUAL)
TB5	BODY EQUIPMENT-LIFT GATE (POWER)
TC2	BODY EQUIPMENT-LIFT GATE, POWER, HANDS FREE
TDM	MODE-TEEN DRIVER SETTINGS
TFK	ALARM-SEAT BELT WARNING
TQ5	HEADLAMP HIGH BEAM-AUTO CONTROL
TSQ	LAMP PACKAGE-INTERIOR, DELUXE
U05	HORN-DUAL
U19	SPEEDOMETER-INST, KILO & MILES, KILO ODOMETER
U2J	DIGITAL AUDIO SYSTEM-S-BAND - NONE
U2K	DIGITAL AUDIO SYSTEM-S-BAND
U2L	RECEPTION-HD
U68	DISPLAY-DRIVER INFO CENTER
U80	DISPLAY-COMPASS
U91	ANTENNA-SHORT, ROOF, RADIO
UC3	CONTROL-STEERING WHEEL, RADIO & PHONE, REDUNDANT CONTROLS
UD7	PARK ASSIST-REAR
UDC	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (ONE COLOR GRAPHIC)
UDD	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (MULTI COLOR STANDARD GRAPHIC)
UE0	COMMUNICATION SYSTEM-VEHICLE - NONE
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR
UE4	SENSOR INDICATOR-FOLLOWING DISTANCE
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT
UFG	SENSOR INDICATOR-REAR CROSS TRAFFIC ALERT
UFQ	PARK ASSIST-FRONT, REAR, LATERAL-FRONT (SEMIAUTOMATIC STEERING ADVANCED PARKING AID)
UG1	OPENER-GARAGE DOOR, UNIVERSAL
UGE	LAMP-RR TAIL, LED
UHG	INDICATOR-SEAT BELT WARNING, DRIVER
UHH	INDICATOR-SEAT BELT WARNING, PASSENGER
UHX	LANE ACTIVE SAFETY-KEEP ASSIST
UHY	COLL IMMINENT BRK-LOW SPEED, VEH FWD MOVEMENT, BRAKE PREFILL, INTEGRATED BRAKE ASSIST
UJM	TIRE PRESS INDICATOR-MANUAL LEARN
UKC	SIDE ACTIVE SAFETY-OBSTACLE DETECTION ENHANCED
UMN	SPEEDOMETER-INST, MILES & KILO, MILES ODOMETER
UPG	WIRELESS INTERFACE-SHORT RANGE
UQA	SPEAKER SYSTEM-PREMIUM AUDIO, BRANDED AMPLIFIER

RPO	Description
US2	VEHICLE VIN-NON-SALEABLE, 0777 SERIES (DO NOT USE UNLESS AUTHORIZED BY DN)
USR	RECEPTACLE-USB
USS	RECEPTACLE-USB CHARGE PORT
UST	RECEPTACLE-DUAL USB, SINGLE AUX
UTJ	THEFT DETERENT-ELECTRICAL, UNAUTHORIZED ENTRY
UVC	VISION-REAR VIEW, MONO, ANALOG
UVD	STEERING WHEEL HEAT-MANUAL
UVH	VISION-360 VIEW, MONO, ANALOG
UZ6	SPEAKER SYSTEM-6, PREMIUM
V2P	LUGGAGE CARRIER-RF RAIL
V87	VEHICLE STATEMENT-GULF STATES ORGANIZATION
V8C	VEHICLE STATEMENT-MEXICO
V8D	VEHICLE STATEMENT-US
V8E	VEHICLE STATEMENT-CANADA
V8I	VEHICLE STATEMENT-ISRAEL
V92	TRAILER PROVISIONS-
V9V	MERCHANDISED PKG-TERRAIN DENALI
VAT	ACCESSORY-GRILLE / GRILLE INSERTS - ALTERNATE FINISH - CHROME
VAV	ACCESSORY-FLOOR MATS - ALL WEATHER
VEX	KIT-SAFETY
VG1	PROTECTOR-UNDERHOOD COMPOUND, CORROSION PREVENTIVE, WATER BASED, CLEAR
VK3	LICENSE PLATE FRONT-FRT MOUNTING PKG
VK8	HOLDER-EYEGLASSES
VKU	ACCESSORY-MIRROR CAPS - CHROME
VLI	ACCESSORY-MAT - TRUNK / CARGO AREA
VLL	ACCESSORY-CROSS RAILS - ROOF RACK - REMOVABLE
VPH	VEHICLE PREPARATION-OVERSEAS DELIVERY
VQK	ACCESSORY-SPLASH GUARDS - CUSTOM MOLDED
VR2	TRAILER HITCH-FACTORY INSTALLED
VR6	HOOK-TIE-DN SHPG
VRS	ACCESSORY-CARGO SECURITY SHADE
VTB	ACCESSORY-PROTECTOR - REAR BUMPER
VTI	SHUTTERS-FRONT GRILLE, ACTIVE, UPR
VV4	COMMUNICATION EQUIP-MOBILE INTERNET CONNECTIVITY
VXW	ACCESSORY-ASSIST STEPS - MOLDED
VY7	KNOB-TRANS CONT LEVER, LEATHER
VYW	ACCESSORY-FLOOR MATS - PREMIUM CARPET - DESIGN 1
W2D	ACCESSORY-CARGO NET
W39	ORNAMENTATION-LETTERING, "CHEVROLET" - NONE
W9E	ORNAMENTATION-LETTERING, RR - NONE
WBL	SALES PACKAGE-SPORT
WCI	ORNAMENTATION-LETTERING "2.0T"(UPPER-CASE T) RR
WD8	SEAT RR-SPLIT BACK, FOLDING, CTR ARMREST, NO PASS THROUGH
WH6	ACCESSORY-CARGO NET - FLOOR MOUNTED
WMJ	VIN MODEL YEAR-2018
WPR	SALES PACKAGE-ADVANCED SAFETY 1
WPZ	SALES PACKAGE-LT INFOTAINMENT
XBF	ACCESSORY-TIRE ALL-235/50R19 SL 99H BW AL3 VAR 1

RPO	Description
XL7	FREQUENCIES RATING-315 MHZ, LONG DISTANCE
XL8	FREQUENCIES RATING-433 MHZ
Y29	SALES PACKAGE-NAVIGATION AND AUDIO
Y3I	SALES PACKAGE-NAVIGATION SYSTEM PACKAGE, VAR.1
Y3W	SALES PACKAGE-PREMIUM INFOTAINMENT
Y67	DISPLAY-REMINDER PACKAGE
YF5	CERTIFICATION-EMISSION, CALIFORNIA
YM8	IDENTIFICATION-LIMITED PERSONALIZATION OPTION (LPO)
Z49	COUNTRY-CANADA
Z4K	ORNAMENTATION-LETTERING "PREMIER"
Z5X	MIRROR PROVISIONS-ARABIC LANGUAGE
ZP5	SEATING ARRANGEMENT-5 PASS
ZQ2	SALES PACKAGE-DRIVER CONVENIENCE
ZQ3	SALES PACKAGE-DRIVER CONVENIENCE II

FASTENERS

Metric Fasteners

This vehicle provides fastener dimensions using the metric system. Most metric fasteners are approximate in diameter to equivalent English fasteners. Make replacements using fasteners of the same nominal diameter, thread pitch, and strength.

A number marking identifies the OE metric fasteners except cross-recess head screws. The number also indicates the strength of the fastener material. A Posidrive® or Type 1A cross-recess identifies a metric cross-recess screw. For best results, use a Type 1A cross-recess screwdriver, or equivalent, in Posidrive® recess head screws.

GM Engineering Standards and North American Industries have adopted a portion of the ISO-defined standard metric fastener sizes. The purpose was to reduce the number of fastener sizes used while retaining the best thread qualities in each thread size. For example, the metric M6.0 X 1 screw, with nearly the same diameter and 25.4 threads per inch replaced the English 1/4 - 20 and 1/4 - 28 screws. The thread pitch is midway between the English coarse and fine thread pitches.

Fastener Strength Identification

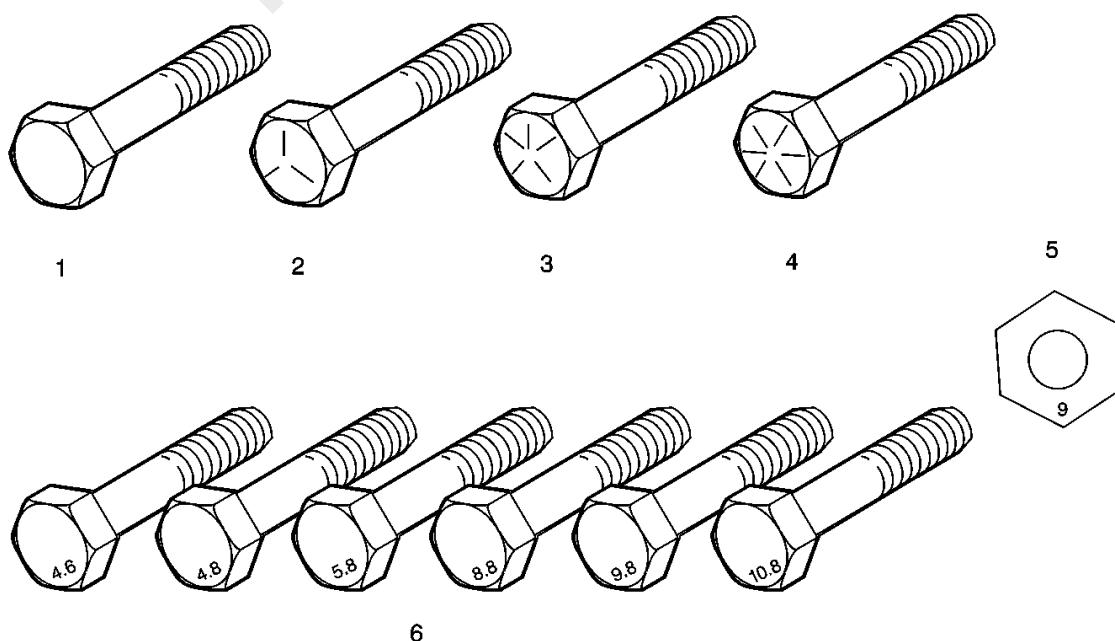


Fig. 8: Identifying Fastener Strength Marks
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	English Bolt, Grade 2 (Strength Class)
2	English Bolt, Grade 5 (Strength Class)
3	English Bolt, Grade 7 (Strength Class)
4	English Bolt, Grade 8 (Strength Class)
5	Metric Nut, Strength Class 9
6	Metric Bolts, Strength Class Increases as Numbers Increase

The most commonly used metric fastener strength property classes are 9.8 and 10.9. The class identification is embossed on the head of each bolt. The English, inch strength classes range from grade 2 to grade 8. Radial lines are embossed on the head of each bolt in order to identify the strength class. The number of lines on the head of the bolt is 2 lines less than the actual grade. For example, a grade 8 bolt will have 6 radial lines on the bolt head. Some metric nuts are marked with a single digit strength identification number on the nut face.

The correct fasteners are available through GM SPO. Many metric fasteners available in the aftermarket parts channels are designed to metric standards of countries other than the United States, and may exhibit the following:

- Lower strength
- No numbered head marking system
- Wrong thread pitch

The metric fasteners on GM products are designed to new, international standards. The following are the common sizes and pitches, except for special applications:

- M6.0 X 1
- M8 X 1.25
- M10 X 1.5
- M12 X 1.75
- M14 X 2.00
- M16 X 2.00

Prevailing Torque Fasteners

Prevailing torque fasteners create a thread interface between the fastener and the fastener counterpart in order to prevent the fastener from loosening.

All Metal Prevailing Torque Fasteners

These fasteners accomplish the thread interface by a designed distortion or deformation in the fastener.

Nylon Interface Prevailing Torque Fasteners

These fasteners accomplish the thread interface by the presence of a nylon material on the fastener threads.

Adhesive Coated Fasteners

These fasteners accomplish the thread interface by the presence of a thread-locking compound on the fastener threads. Refer to the appropriate repair procedure in order to determine if the fastener may be reused and the applicable thread-locking compound to apply to the fastener.

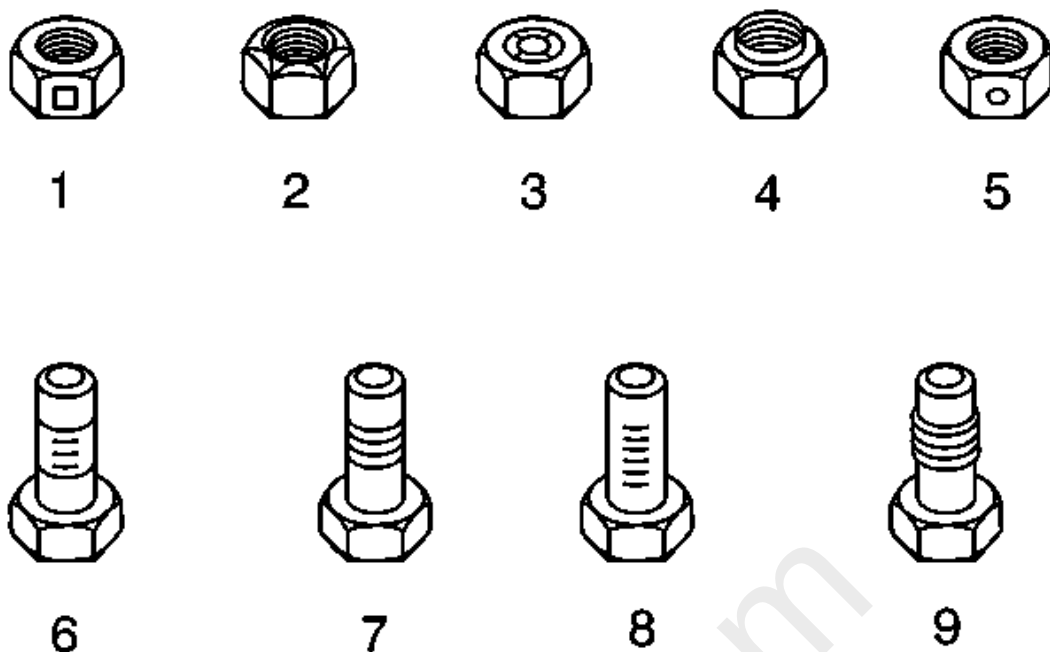


Fig. 9: Identifying Adhesive Coated Fasteners
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Prevailing Torque Nut, Center Lock Type
2	Prevailing Torque Nut, Top Lock Type
3	Prevailing Torque Nut, Nylon Patch Type
4	Prevailing Torque Nut, Nylon Washer Insert Type
5	Prevailing Torque Nut, Nylon Insert Type
6	Prevailing Torque Bolt, Dry Adhesive Coating Type
7	Prevailing Torque Bolt, Thread Profile Deformed Type
8	Prevailing Torque Bolt, Nylon Strip Type
9	Prevailing Torque Bolt, Out-of-Round Thread Area Type

A prevailing torque fastener may be reused ONLY if:

- The fastener and the fastener counterpart are clean and not damaged
- There is no rust on the fastener
- The fastener develops the specified minimum torque against its counterpart prior to the fastener seating

Metric Prevailing Torque Fastener Minimum Torque Development

Application	Specification	
	Metric	English
All Metal Prevailing Torque Fasteners		

Application	Specification	
	Metric	English
• 6 mm	0.4 N.m	4 lb in
• 8 mm	0.8 N.m	7 lb in
• 10 mm	1.4 N.m	12 lb in
• 12 mm	2.1 N.m	19 lb in
• 14 mm	3 N.m	27 lb in
• 16 mm	4.2 N.m	37 lb in
• 20 mm	7 N.m	62 lb in
• 24 mm	10.5 N.m	93 lb in
Nylon Interface Prevailing Torque Fasteners		
• 6 mm	0.3 N.m	3 lb in
• 8 mm	0.6 N.m	5 lb in
• 10 mm	1.1 N.m	10 lb in
• 12 mm	1.5 N.m	13 lb in
• 14 mm	2.3 N.m	20 lb in
• 16 mm	3.4 N.m	30 lb in
• 20 mm	5.5 N.m	49 lb in
• 24 mm	8.5 N.m	75 lb in

English Prevailing Torque Fastener Minimum Torque Development

Application	Specification	
	Metric	English
All Metal Prevailing Torque Fasteners		
• 1/4 in	0.5 N.m	4.5 lb in
• 5/16 in	0.8 N.m	7.5 lb in

Application	Specification	
	Metric	English
• 3/8 in	1.3 N.m	11.5 lb in
• 7/16 in	1.8 N.m	16 lb in
• 1/2 in	2.3 N.m	20 lb in
• 9/16 in	3.2 N.m	28 lb in
• 5/8 in	4 N.m	36 lb in
• 3/4 in	7 N.m	62 lb in
Nylon Interface Prevailing Torque Fasteners		
• 1/4 in	0.3 N.m	3 lb in
• 5/16 in	0.6 N.m	5 lb in
• 3/8 in	1 N.m	9 lb in
• 7/16 in	1.3 N.m	12 lb in
• 1/2 in	1.8 N.m	16 lb in
• 9/16 in	2.5 N.m	22 lb in
• 5/8 in	3.4 N.m	30 lb in
• 3/4 in	5 N.m	45 lb in

THREAD INSERTS

General Purpose Thread Repair Kits.

These kits are available commercially.

Repair Procedure

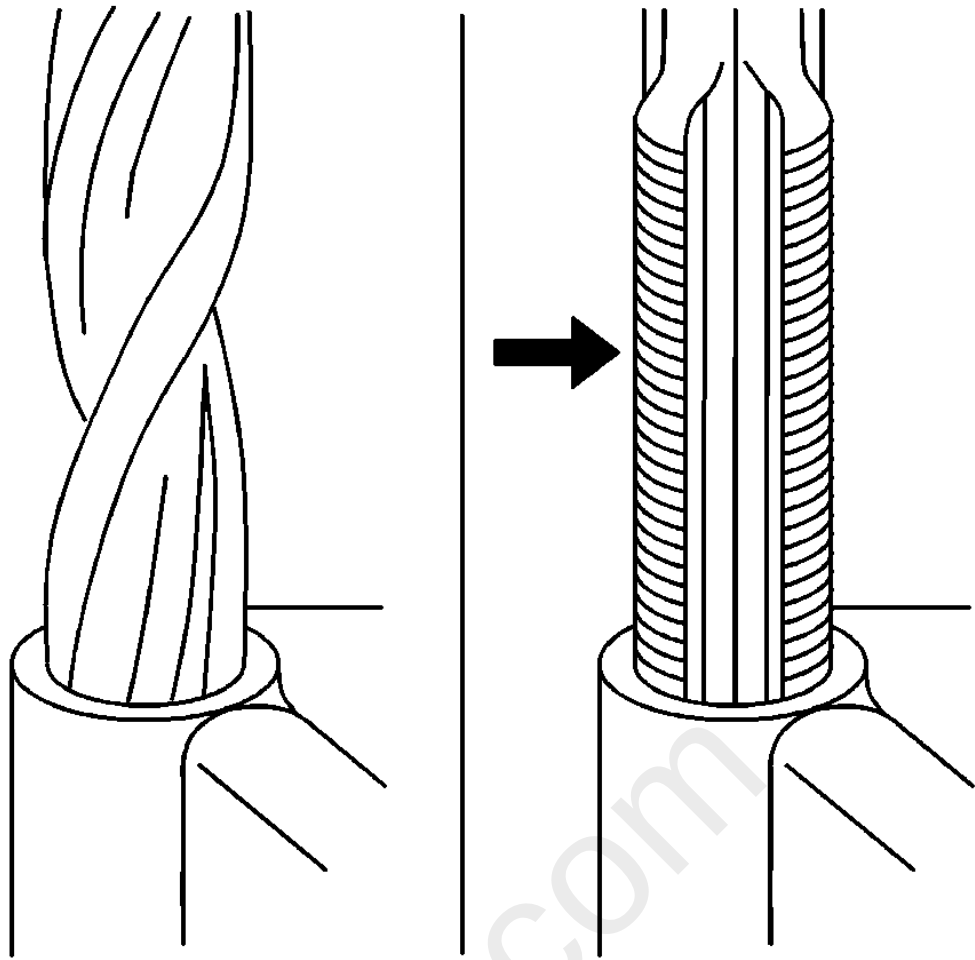


Fig. 10: Drilling & Tapping Damaged Threads
Courtesy of GENERAL MOTORS COMPANY

WARNING: Refer to [Safety Glasses Warning](#) .

NOTE: Refer to the thread repair kit manufacturer instructions regarding the size of the drill and tap to use.

Avoid any buildup of chips. Back out the tap every few turns and remove the chips.

1. Determine the size, the pitch, and the depth of the damaged thread. If necessary, adjust the stop collars on the cutting tool and tap to the required depth.
2. Drill out the damaged threads. Clean out any chips.
3. Lubricate the tap with light engine oil. Tap the hole. Clean the threads.

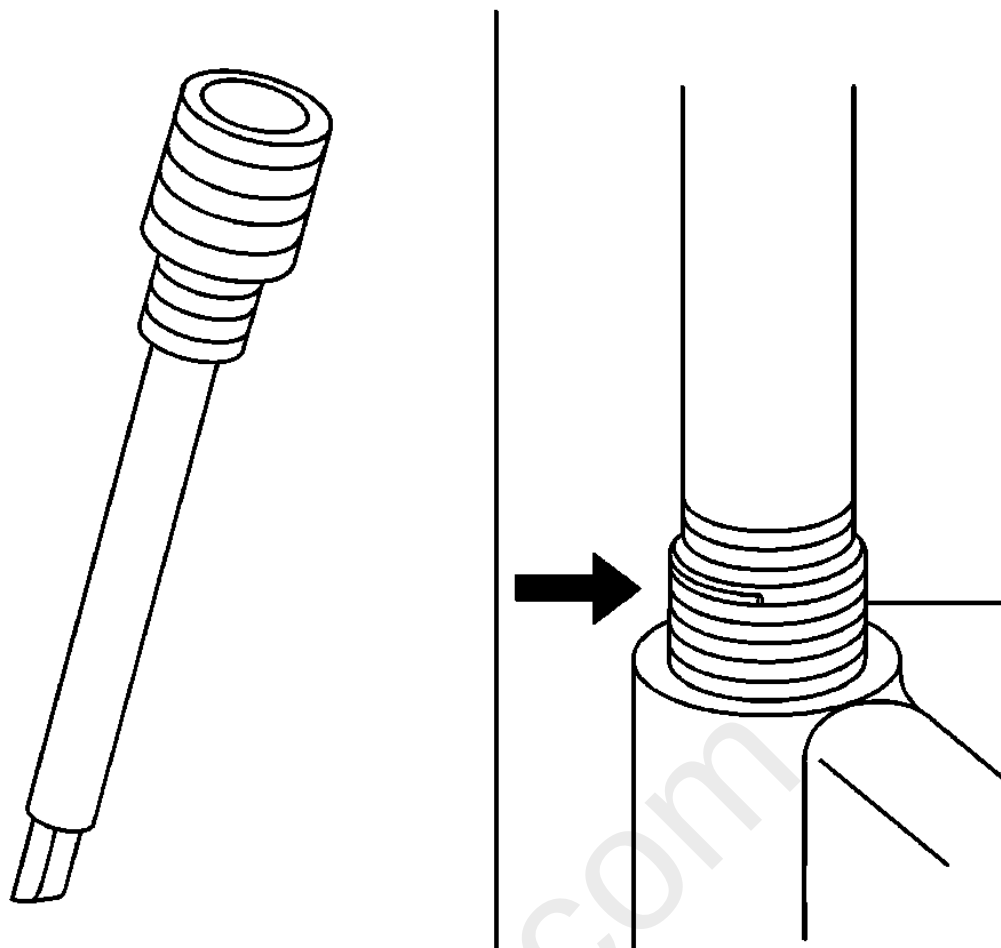


Fig. 11: View Of Thread Insert
Courtesy of GENERAL MOTORS COMPANY

4. Thread the thread insert onto the mandrel of the installer. Engage the tang of the insert onto the end of the mandrel.

NOTE: **The insert should be flush to one turn below the surface.**

5. Lubricate the insert with light engine oil, except when installing in aluminum and install the insert.
6. If the tang of the insert does not break off when backing out the installer, break the tang off with a drift.

REGISTERED AND NON-REGISTERED TRADEMARKS

Listed below are Registered Trademarks (®) or Non-Registered Trademarks (™) which may appear in this service information.

A
ACA®
ACCUTURN®
ACDelco®
Active Fuel Management™
Acuzinc®
Airbank®
Allison®
AMMCO®
AUTOFUSE®
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B
Bendix®
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Delco Electronics®
Delco Freedom®
Delco LOC II®
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Delco Remy®
Delco Sound®
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DEXOIL®
DEXRON®
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DNR®
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LOCK CYLINDER CODING - IGNITION

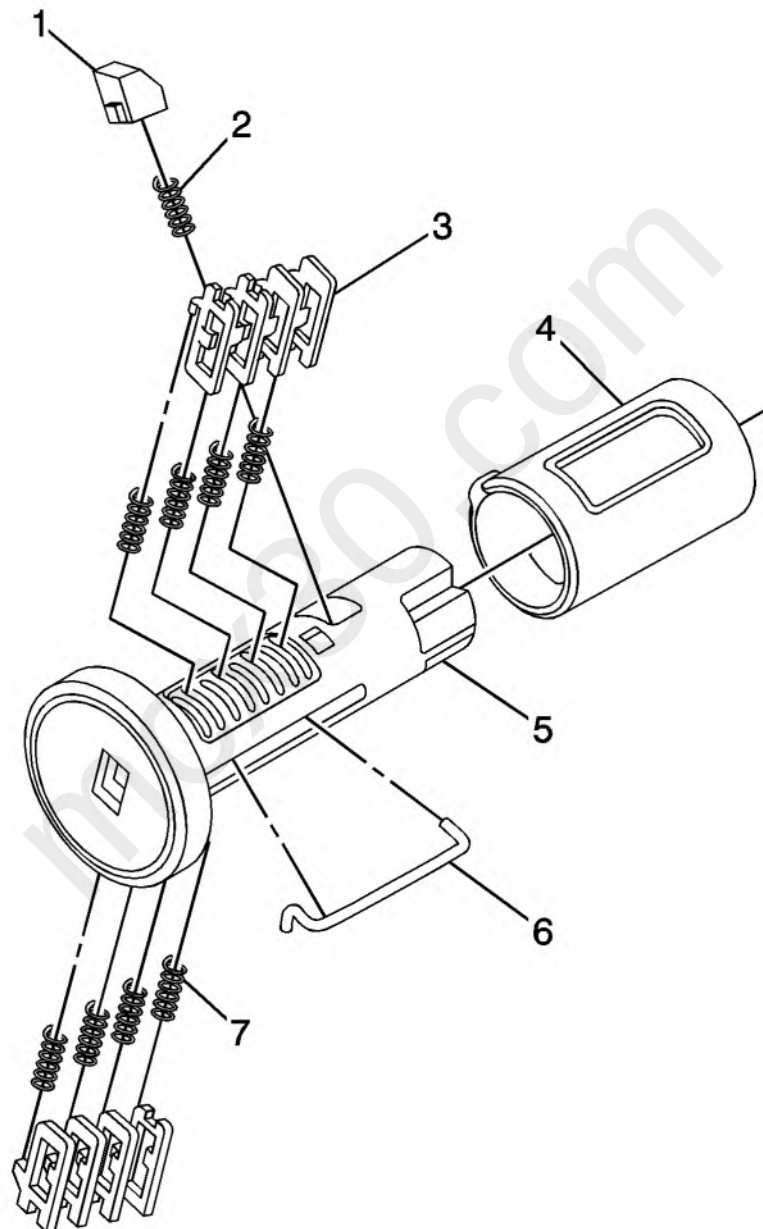


Fig. 12: Lock Cylinder Coding - Ignition
 Courtesy of GENERAL MOTORS COMPANY

The ignition lock cylinder uses 8 key cut positions, 1 - 8. The ignition cylinder tumblers (3) are located on alternate sides of the cylinder (5). They are not snap-in and are not self-retaining. It follows the key code with the first tumbler being the first depth of the key code, closest to the head of the key.

NOTE: All lock cylinders for side milled keys have right and left tumblers. The location of the tooth of the tumbler determines whether it is right or left. Illustrations in this procedure show the right tumblers on the top and the left tumblers on the bottom. All tumblers are marked 1R, 1L, 2R, or 2L. The number being cut depth and the letter meaning right or left.

1. Hold the ignition cylinder assembly (5) so the side with the tumbler spring pocket located closest to the head of the cylinder is facing up.
2. Insert the tumbler spring (7) into each of the 4 spring pockets of the cylinder assembly. This side of the cylinder used left tumblers.
3. The first tumbler (3) to be loaded will be the first key cut position, which is the first number in the key code. Install the tumbler in the slot over the spring. Install the remaining tumblers following the key code and same process, pressing the tumblers in place until they are secure.
4. Rotate the cylinder assembly. Insert the tumbler spring into each of the spring pockets of the cylinder assembly. This side of the cylinder used right tumblers.
5. The first tumbler (3) to be loaded will be the second key cut position, the second number in the key code. Install the first tumbler in the slot over the spring. Install the remaining tumblers following the key code and same process, pressing the tumblers in place until they are secure.
6. Inspect for correct loading of the tumblers by inserting the key into the cylinder. All tumblers should drop flush with the lock cylinder body diameter.
7. With the key in the cylinder assembly insert the round connector (6), insert the retainer spring (2) in the retainer slot located in the cylinder assembly. Insert the retainer (1) lining it up in the slot over the spring. Depress the retainer and hold.
8. Insert the cylinder into the sleeve (4) as shown in the print. Make sure the actuator stays located properly in the cylinder.
9. When the key is removed, the lock should stay together.
10. Lightly lubricate the outside surface in the tumbler area of in the lock body and down the key slot using the provided grease. Insert and extract the key 5 times to lubricate the keyway.
11. Insert the key and function the lock 3 times to distribute the grease inside the sleeve.
12. Verify the key position for inserting the lock into the column.

LIFTING AND JACKING THE VEHICLE

NOTE: The use of a **LOW PROFILE LIFT ARMS SYSTEM** may be required to avoid unwanted contact with the vehicle's body and structure depending on lifting equipment used. Refer to the manufacture's recommendation for their applications of low profile lift arms system for their lifting equipment.

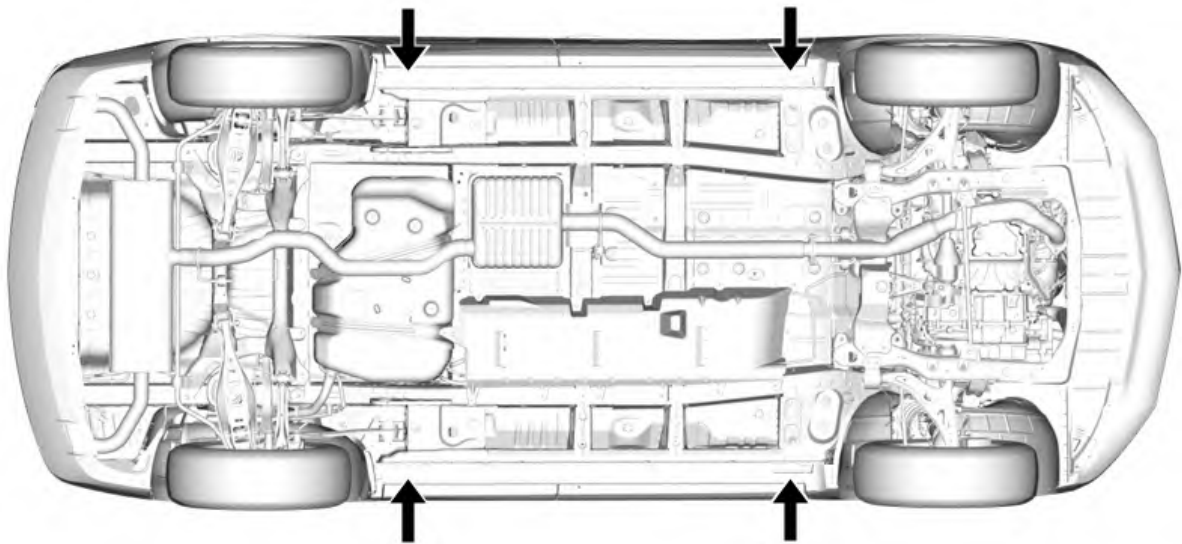


Fig. 13: Lift Points

Courtesy of GENERAL MOTORS COMPANY

WARNING: To avoid any vehicle damage, serious personal injury or death:

- When major components are removed from the vehicle and the vehicle is supported by a hoist, support the vehicle with jack stands at the opposite end from which the components are being removed and strap the vehicle to the hoist.
- When performing work in the engine compartment or under the vehicle, ensure that the hood is fully open, or opened to its secondary latch. When the hood is opened to the secondary latch, the vehicle will disable the remote start features from the key fob and OnStar mobile app. Failure to open the hood, or open the hood to the secondary latch while doing a repair in the engine compartment or under the vehicle can result in inadvertent vehicle starting which could result in personal injury or damage to a vehicle.

WARNING: To avoid any vehicle damage, serious personal injury or death, always use the jackstands to support the vehicle when lifting the vehicle with a jack.

CAUTION: Perform the following steps before beginning any vehicle lifting or jacking procedure:

- Remove or secure all of the vehicle contents in order to avoid any shifting or any movement that may occur during the vehicle lifting or jacking procedure.
- The lifting equipment or the jacking equipment weight rating must meet or exceed the weight of the vehicle and any vehicle contents.
- The lifting equipment or the jacking equipment must meet the operational standards of the lifting equipment or jacking equipment manufacturer.
- Perform the vehicle lifting or jacking procedure on a clean, hard, dry, level surface.
- Perform the vehicle lifting or jacking procedure only at the identified lift points. DO NOT allow the lifting equipment or jacking equipment to

contact any other vehicle components.

Failure to perform the previous steps could result in damage to the lifting equipment or the jacking equipment, the vehicle, and/or the vehicle contents.

Vehicle Lifting - Frame Contact Lift

Front Lift Pads

When lifting the vehicle with a frame-contact lift, place the front lift pads on the rocker panel front molding, as shown.

Rear Lift Pads

When lifting the vehicle with a frame-contact lift, place the rear lift pads on the rocker panel rear molding, as shown.

Vehicle Jacking

CAUTION: When you are jacking the vehicle at the front locations, be certain that the jack or the jack lift pad does not contact the front fascia, front fascia air dam, or the front fenders. If such contact occurs, vehicle damage may result. When jacking at selected front locations additional clearance may be required for the jacking points.

NOTE: When you are lifting a vehicle with a service jack, block the wheels at the opposite end from which you are lifting. Use jack stands to provide additional support.

Front of Vehicle

When using a service jack under the front of the vehicle use one of the following locations:

Place the service jack pad in the same location as shown for the front lift pads.

Rear of Vehicle

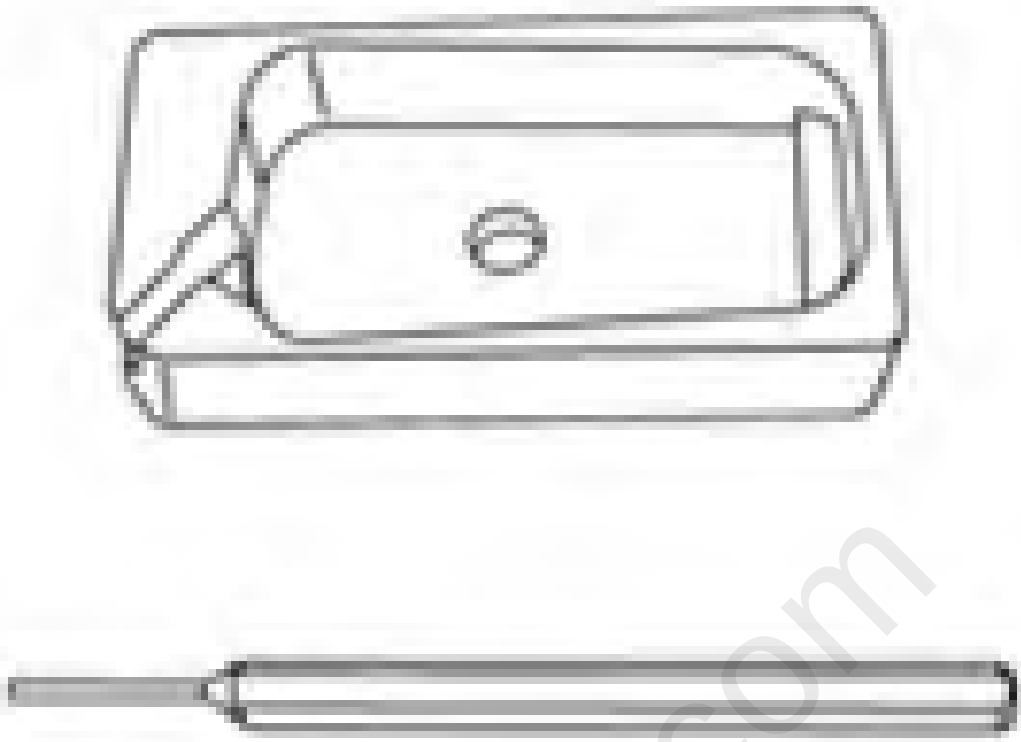
When using a service jack under the rear of the vehicle use one of the following locations:

Place the service jack pad in the same location as shown for the rear lift pads.

SPECIAL TOOLS AND EQUIPMENT

SPECIAL TOOLS

Illustration	Tool Number/ Description

Illustration	Tool Number/ Description
	BO-51098 Flip Key Blade Fixture

SPECIAL TOOLS ORDERING INFORMATION

Special Tools

The special service tools shown in this service information that have product numbers beginning with J, BO, GE, CH, DT, EN, EL, SA, OR KM are available for worldwide distribution.

US, Canada and Caribbean only:

NOTE: For Special Service tools only - see different location below for diagnostic tools & equipment.

Bosch Automotive Service Solutions

28635 Mound Road

Warren

MI

48092-3499

U.S.A

Phone: 1-800-GM-TOOLS

Monday through Friday

8:00 am - 7:00 pm Eastern Standard Time

Fax: 1-800-578-7375 or 586-578-7321

gmspecialservicetools.service-solutions.com

Mexico, Including Central America:

Bosch Automotive Service Solutions

Mitla No. 442 Col. Vertiz Narvarte

03600 Mexico City

Mexico

Phone: +5255 2595 1630

Fax: +5255 2595 1639

Inquiries can be sent to: herramientas@service-solutions.com

South America, Excluding Brazil:

Bosch Automotive Service Solutions

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Mexico

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Robert Bosch Korea Ltd, Service Solution

689-17 Geumjeong-dong, Gunpo-si, Gyeonggi-do, 435-862

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Phone: 82-31-457-9520

sales.korea@servicesolutions.com

Fax: 82-31-427-9522

Greater China, SGM

Bosch Automotive Service Solutions China

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Shanghai 200335 P.R.

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sales.cn@service-solutions.com

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Australia:

Bosch Automotive Service Solutions Australia

1555 Centre Road,

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Phone: 1300 783 031

Fax: (3) 9541 6138

Inquiries can be sent to: customerservice.au@service-solutions.com

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Fax: 34 949 208 327

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