

General Information

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Introduction

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1. GENERAL INFORMATION

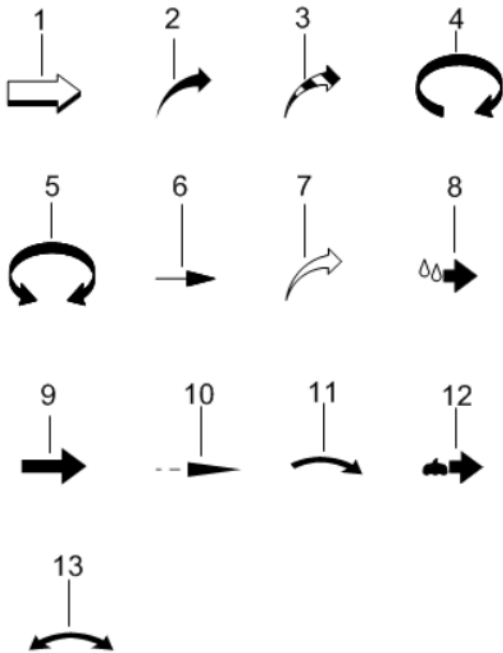
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Arrows and Symbols

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



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- (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

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Acronyms and Units

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.
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.

Acronym	Meaning	Definition
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.
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 600â€”650Â°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.
IÂ²C	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 PCâ€™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
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.

Acronym	Meaning	Definition
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 (O_2) 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.
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.

Acronym	Meaning	Definition
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.
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.
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.

Acronym	Meaning	Definition
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
in	Inch	Length
m	Meter	Length
mi	Mile	Length
bar	Bar	Mechanical
bar/min	Bars per Minute	Mechanical
in. H ₂ O	Inches of Water	Mechanical
in. H ₂ O/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

Unit	Meaning	Definition
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/mÂ²	Watts per Square Meter	Misc.
g	g (Acceleration)	Movement
km/h	Kilometers per Hour	Movement
m/s	Meters per Second	Movement
m/sÂ³	Meters per Second Cubed	Movement
m/sÂ²	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 (2â€™%odigits)	Time
yyyy-mm-dd	Year-Month-Day (4â€™%odigits, preferred)	Time
mÂ³	Cubic Meter	Volume
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

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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.

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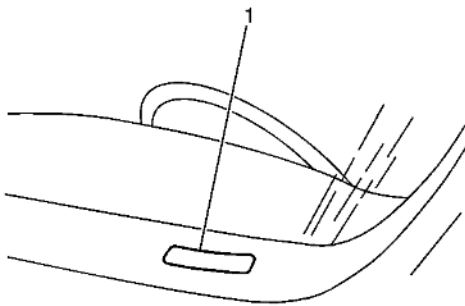
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Vehicle, Engine and Transmission ID and VIN Location, Derivative and Usage

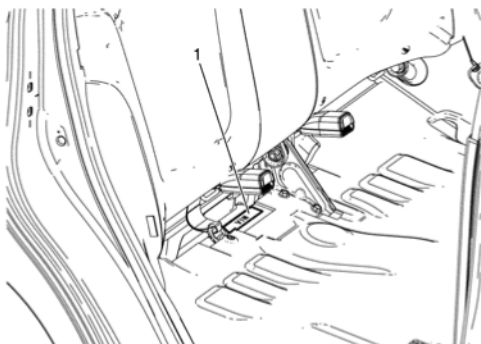
VIN Plate (Some Countries)



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The vehicle identification number (VIN) plate(1) is the legal identifier of the vehicle. The VIN plate is located on the upper left corner of the instrument panel (I/P) and can be seen through the windshield from the outside of the vehicle.

VIN Body Stamping



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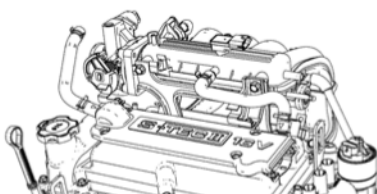
Stamping in the rear floor panel (1) under the center of rear seat.

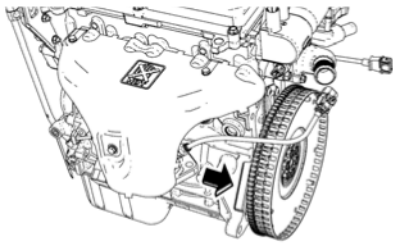
Vehicle Identification Number (VIN) System Type

Position	Definition	Character	Description
1 ~3	WORLD MAKE IDENTIFIER	M	Asia
		A	India
		6	GM India
		CA	CHEVROLET/Spark (Mexico) (1CS) T/L-Lev-0
		CB	CHEVROLET/Spark (Mexico) (1CT) T/L-Lev-1
		CC	CHEVROLET/Spark (Mexico) (1CU) T/L-Lev-2
		CD	CHEVROLET/Spark (Chile) (1CU) T/L-Lev-2
		CE	CHEVROLET/Spark (SE Andean) (1CU) T/L-Lev-2
		CF	CHEVROLET/Spark (CenAmer/Carib) (1CS) T/L-Lev-0

Position	Definition	Character	Description
4~5	CARLENS SERIES BOOK	CG	CHEVROLET/Spark (CenAmer/Carib) (1CT) T/L-Lev-1
		CH	CHEVROLET/Spark (CenAmer/Carib) (1CU) T/L-Lev-2
		CJ	CHEVROLET/Spark (Egypt) (1CS) T/L-Lev-0
		CK	CHEVROLET/Spark (Egypt) (1CT) T/L-Lev-1
		CL	CHEVROLET/Spark (Egypt) (1CU) T/L-Lev-2
		CM	CHEVROLET/Spark (Africa Group) (1CS) T/L-Lev-0
		CN	CHEVROLET/Spark (Africa Group) (1CT) T/L-Lev-1
		CP	CHEVROLET/Spark (Africa Group)
6	BODY STYLE	6	4 Door, 4 Window, Hatchback
		5	Sedan, 4 Door, 4 Window, Notchback
7	RESTRAINT CODES	A	Active Manual Belts, Airbag Delete
		B	Active Manual Belts, Airbag-Driver only - Front
		C	Active Manual Belts, Airbag-Driver & Passenger-Front (1st row)
		D	Active Manual Belts, Airbag-Driver & Passenger-Front (1st row), & Front Seat Side (1st row)
		E	Active Manual Belts, Airbags-Driver & Passenger-Front (1st row), Front Seat Side (1st row), Roof Side (all seating rows)
		G	Active Manual Belts, Airbags-Driver & Passenger-Front (1st row), Front Seat Side (1st row) and Rear Seat Side (2nd row), Roof Side (all seating rows)
		S	Active Manual Belts, Airbags - Driver & Passenger Front (1st row), Front Seat Side (1st row) & Rear Seat Side(2nd row), Roof Side (all seating rows), Driver & Passenger knee
8	ENGINE TYPE	D	LMU 1.2L B1.2, L4 DOHC MFI
9	CHECK DIGIT	-	0~9, X : Calculated by POMS
10	MODEL YEAR	L	MODEL YEAR - 2020
11	PLANT LOCATION	T	PLANT - TALEGAON, INDIA

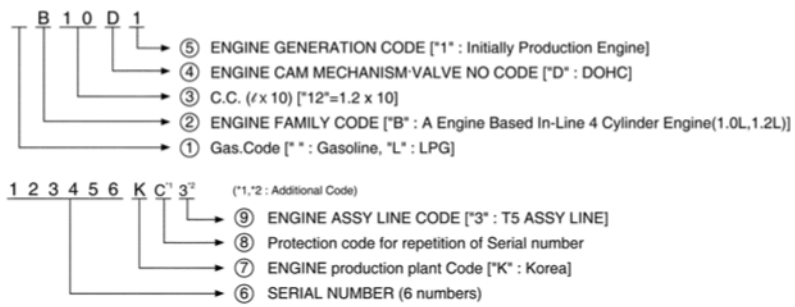
Engine Identification





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The engine number is stamped on the block under the number 4 exhaust manifold.

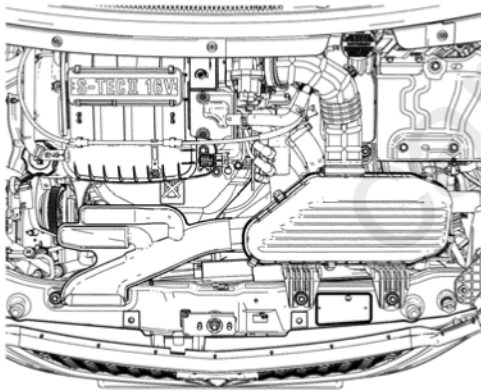


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Vehicle Certification, Tire Placard, Anti-Theft, and Service Parts ID Label

Certification Plate Location



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The vehicle identification number (VIN) plate is attached to the top of the front panel support.

○ Body Color [⑧]	GM DAEWOO Auto & Technology Company		①
	[	②	]
	[	③	]
	[	④] KG	
	[	⑤] KG	
	1 -	[⑥] KG	
	2 -	[⑦] KG	

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- (1) Manufacturer Name
- (2) Whole Vehicle Type Approval Number
- (3) VIN (Vehicle Identification Number)
- (4) GVW
- (5) Combination Weight (GVW + Braked Trailer Weight)
- (6) Maximum Permissible Axle Weight “ Front
- (7) Maximum Permissible Axle Weight “ Rear
- (8) Body Color

Tire Placard



TIRE AND SEATING INFORMATION

2153U

OCCUPANTS		TOTAL 5		FRONT 2		REAR 3	
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TIRE	SIZE			Eco.			
FRONT	155/80R13	210 kPa 2.1 Bar 30 psi	235 kPa 2.3 Bar 34 psi				
	155/70R14						
	165/60R15						
REAR	155/80R13						
	155/70R14						
	165/60R15						

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The tire placard label is located on the driver door and displays the following assessments;

- Tire size
- Tire pressure
- - Front
 - Rear
 - Various loading conditions

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4.

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
01A	TRIM COLOR SEAT-JET BLACK VAR 1
01C	TRIM COLOR SEAT-LT TITANIUM
01O	TRIM COLOR SEAT-V DK PEWTER
01R	TRIM COLOR SEAT-MORROCAN BLUE
02Q	TRIM COLOR SEAT-ROSE
1AB	TRIM COLOR DR PANEL-JET BLACK
1AQ	TRIM COLOR DR PANEL-V DK PEWTER
2B9	MOLDING DOOR INTR-SUMMIT WHITE
2BB	MOLDING DOOR INTR-LT ANDERSON (2 COAT)
2BH	MOLDING DOOR INTR-JADE BLACK
2BI	MOLDING DOOR INTR-SUPER RED
2BJ	MOLDING DOOR INTR-MOROCCAN BLUE
2BK	MOLDING DOOR INTR-V DK PEWTER
2BV	MOLDING DOOR INTR-SWITCHBLADE SILVER MET
2CC	MOLDING DOOR INTR-DK ANDERSON (2 COAT)
2EV	MOLDING DOOR INTR-JET BLACK
2GB	RADIO-AM/FM STEREO, SEEK, CD, ETR, FADER, MP3, USB
30F	STEERING WHEEL COLOR-JET BLACK
37F	STEERING WHEEL COLOR-POLAR SILVER
39F	STEERING WHEEL COLOR-LT ANDERSON SILVER MET (2COAT)
4AA	INTERIOR TRIM-JET BLACK
4AQ	INTERIOR TRIM-V DK PEWTER
5M6	ORNAMENTATION-NAMEPLATE "R2"
5MB	PANEL-TRIM, RR COMPT, SIDE
5MC	PANEL-TRIM, LOAD COMPT, SIDE
5WJ	ACCESSORY-WHEEL - 15" X 5.0 - J - ALUMINUM - DESIGN 1
A32	WINDOW-POWER OPERATED, FRT DR (DO NOT USE ON NEW/MAJOR PROGRAMS)
A50	SEAT-FRT BKT
A62	SEAT RR-FIXED SEAT BACK
A91	LOCK CONTROL RR CMPT-TAILGATE, REM CONT ELEC OPEN/CLOSE
A94	LOCK CONTROL RR CMPT-LID, REM CONT MANUAL RELEASE
AAR	RESTRAINT-KNEE, BOLSTER, FOAM TYPE
ABX	INTERIOR TRIM CONFIG-#19
AE3	WINDOW-POWER OPERATED, FRT & RR DR (DO NOT USE NEXT NEW MAJOR)
AFA	INTERIOR TRIM CONFIG-#1
AFB	INTERIOR TRIM CONFIG-#2
AFC	INTERIOR TRIM CONFIG-#3
AFD	INTERIOR TRIM CONFIG-#4
AFF	INTERIOR TRIM CONFIG-#6
AFG	INTERIOR TRIM CONFIG-#7
AFN	INTERIOR TRIM CONFIG-#14
AFO	INTERIOR TRIM CONFIG-#15
AFP	INTERIOR TRIM CONFIG-#44
AFQ	INTERIOR TRIM CONFIG-#45
AFV	INTERIOR TRIM CONFIG-#47

RPO	Description
AH9	ADJUSTER FRT ST-MANUAL, 2 WAY, DRIVER (DO NOT USE ON NEW PROGRAMS AFTER MY18)
AIB	RESTRAINT-SEAT, PASS, RETR, 3 POINT, LOAD LIMIT
AIF	RESTRAINT-SEAT, DRIVER, RETR, 3 POINT, LOAD LIMIT
AJ7	RESTRAINT SYSTEM-SEAT, INFLATABLE, DRIVER & PASS, FRT & SEAT SIDE
AK5	RESTRAINT SYSTEM-SEAT, INFLATABLE, DRIVER & PASS FRT
AKJ	WINDSHIELD STYLE-SHADE BAND
AKM	WINDOW TYPE-CLEAR
AKN	WINDOW TYPE-TINTED
AKV	WINDSHIELD TYPE-CLEAR
AKW	WINDSHIELD TYPE-TINTED
AM4	SEAT RR-SPLIT BACK, FOLDING, CUSTOM
AMA	SEAT RR-SPLIT BACK, FOLDING, HEADREST
AME	LOCK CONTROL-SIDE DR, EMERGENCY UNLOCK, AUTOMATIC
AOA	INTERIOR TRIM CONFIG-#60
AOB	INTERIOR TRIM CONFIG-#61
AOC	INTERIOR TRIM CONFIG-#62
AOD	INTERIOR TRIM CONFIG-#63
AOE	INTERIOR TRIM CONFIG-#64
AOK	INTERIOR TRIM CONFIG-#69
APW	WINDOW-POWER - NONE (DO NOT USE ON NEW/MAJOR PROGRAMS)
AT3	RESTRAINT PROVISIONS-CHILD, RR SEAT, ANCHORAGE, REINFORCED
AT7	RESTRAINT SYSTEM RR-SEAT, SHLDR, RETR, 3 POINT, 3 SHLDR
ATZ	SEAT RR-NONE
AU3	LOCK CONTROL-SIDE DR, ELEC
AU4	LOCK CONTROL-SIDE DR, ELEC, AUTOMATIC
AV5	SEAT-FRT BKT, HIGH BACK
AWS	RESTRAINT-SEAT BELT TENSIONER, PASS
AWT	RESTRAINT-SEAT BELT TENSIONER, DRIV
AXJ	VEHICLE TYPE-PASSENGER CAR
BIH	SEAT RR-BENCH, SEPARABLE HEADREST
B30	COVERING FLOOR-CARPET
B37	COVERING-FLOOR MAT, FRT & RR, AUX
B52	MOLDING ROCKER-BLACK
B56	MOLDING ROCKER-BODY COLOR
B7S	TRAY-INTR, RR, PARCEL, PULL STRING
BAE	EQUIPMENT-SECURITY SYSTEM, IMMOBILIZATION
BCO	PLANT CODE-BOGOTA, COLOMBIA
BS1	INSULATION-ACOUSTICAL PKG
BT5	ORNAMENTATION-EMBLEM, "RAVON"
BUI	ORNAMENTATION-LETTERING, "RAVON"
BXQ	ORNAMENTATION-EXTR, PLR APLQ, REVEAL, BLACK
C13	WIPER SYS WINDSHIELD-INTERMITTENT
C1A	ORNAMENTATION INTR-I/P TRAY, V DK PEWTER
C1B	ORNAMENTATION INTR-I/P TRAY, JADE BLACK
C1C	ORNAMENTATION INTR-I/P TRAY, SUPER RED
C1D	ORNAMENTATION INTR-I/P TRAY, MOROCCAN BLUE
C1E	ORNAMENTATION INTR-I/P TRAY, SWITCHBLADE SILVER MET
C1R	ORNAMENTATION INTR-I/P PAD, JET BLACK
C37	HEATER-SEAT, DRIVER
C38	HEATER-SEAT, PASS
C41	HVAC SYSTEM-HEATER, OUTSIDE AIR, WITH FAN
C49	DEFOGGER-RR WINDOW, ELECTRIC
C50	DEFROSTER-HEATED, WINDSHIELD

RPO	Description
C60	HVAC SYSTEM-AIR CONDITIONER FRT, MAN CONTROLS
C91	LAMP-INTR, ROOF, COURTESY
C99	SWITCH-INFL RST I/P MDL MAN SUPPRESSION
CD4	WIPER SYS WINDSHIELD-PULSE, VARIABLE DELAY
CD6	WIPER SYS RR WINDOW-CONTINUOUS
CL0	COUNTRY-VIETNAM
CL4	COUNTRY-UZBEKISTAN
CL5	COUNTRY-PERU
CL6	COUNTRY-BOLIVIA
CMN	ORNAMENTATION INTR-I/P PAD, LT ANDERSON (2 COAT)
CMX	ORNAMENTATION INTR-I/P PAD, DK ANDERSON (2 COAT)
CRH	ORNAMENTATION INTR-I/P PAD, SUMMIT WHITE
CS1	COUNTRY-TUNISIA
CU0	COUNTRY-UKRAINE
CV3	COUNTRY-MEXICO
CV6	COUNTRY-CHILE
CW0	COUNTRY-ARMENIA
CX0	COUNTRY-AZERBAIJAN
CX2	COUNTRY-COLOMBIA
CX3	COUNTRY-ECUADOR
CX9	COUNTRY-LEBANON
CY2	COUNTRY-JORDAN
CZ3	COUNTRY-RUSSIA
CZ6	COUNTRY-KAZAKHSTAN
D2O	COUNTRY-CURACAO
D2S	COUNTRY-KYRGYZSTAN
D31	MIRROR I/S R/V-TILT
D3H	COUNTRY-BELARUS
D3J	COUNTRY-CAYMAN ISLANDS
D3K	COUNTRY-DOMINICAN REPUBLIC
D3L	COUNTRY-EL SALVADOR
D3M	COUNTRY-GUATEMALA
D3O	COUNTRY-MOLDOVA
D3P	COUNTRY-HAITI
D3Q	COUNTRY-HONDURAS
D3T	COUNTRY-TURKMENISTAN
D3U	COUNTRY-ST MAARTEN
D3Y	COUNTRY-AFGHANISTAN
D49	MIRROR O/S-LH & RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLD
D4G	COUNTRY-BAHAMAS
D4H	COUNTRY-BELIZE
D4N	COUNTRY-COSTA RICA
D4X	COUNTRY-ARUBA
D5D	COUNTRY-NICARAGUA
D5M	COUNTRY-TAJIKISTAN
D72	HANDLE O/S DOOR-BLACK
D75	HANDLE O/S DOOR-BODY COLOR
D8J	SENSOR-FRONT AIRBAG (EFS) - NONE
D91	HANDLE, REAR CLOSURE-O/S, L/GATE, R/CMPT, COLOR
D9O	SENSOR-FRONT AIRBAG (EFS) - SINGLE
DA7	ARM REST-FRT SEAT, LH
DBZ	HANDLE, REAR CLOSURE-O/S, DECKLID/TAILGATE, SATIN CHROME
DG2	MIRROR O/S-LH & RH, REMOTE CONTROL, MANUAL FOLDING, COLOR

RPO	Description
DHG	MIRROR I/S FRT VAN-SUNSHADE, DRIV & PASS, W/O MIRROR
DHH	MIRROR I/S FRT VAN-SUNSHADE, DRIV, W/MIR & COVER, PASS, W/O MIR
DLB	COVERING FLOOR-HEEL PAD
DLS	MIRROR O/S-LH & RH, REMOTE CONTROL, ELECTRIC, HEATED, MANUAL FOLDING, COLOR, TURN SIG IND
DLU	MIRROR I/S FRT VAN-SUNSHADE, DRIVER, W/O MIRROR, PASS, W/MIRROR & COVER
DLV	MIRROR I/S FRT VAN-SUNSHADE, DRIVER & PASS, W/MIRROR & COVER
DLW	MIRROR O/S-LH & RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLDING,HEATED
DP5	MIRROR PROVISIONS-HOUSING, MOLDED W/COLOR
DPU	COUNTRY-BONAIRE
DPX	COUNTRY-TURKS AND CAICOS ISLANDS
DQ9	MIRROR PROVISIONS-COLOR
DVD	CLUSTER COLOR-INST, POLAR SILVER
DVE	CLUSTER COLOR-INST, JET BLACK
E17	BUMPER-2.5 MPH
E22	HANDLE-ASSIST, RR
E27	HANDLE-ASSIST, PASS
E6F	COUNTRY-GEORGIA
E7Q	COUNTRY-BRITISH VIRGIN ISLANDS
E7X	FIRE EXTINGUISHER-1 KG
E7Y	FIRE EXTINGUISHER-2 KG
E91	POCKET-FRONT SEAT BACK, PASS
EAP	TRIM SEAT-CLOTH, ANGULAR WAVE
EBN	TRIM SEAT-CLOTH, MANA
EBO	TRIM SEAT-CLOTH, CURVE
EF5	COUNTRY-PANAMA
ELH	POCKET-FRONT SEAT, PASS, SIDE
ERI	EQUIPMENT-BATTERY SAVER
ESF	TRIM SEAT-PVC LEATHER, MOTION
FCP	TRIM DOOR-POLYPROPYLENE
FE1	SUSPENSION SYSTEM-SOFT RIDE
FE4	SUSPENSION SYSTEM-SPECIAL RIDE & HANDLING
FE9	CERTIFICATION-EMISSION, FEDERAL
FHO	VEHICLE FUEL-GASOLINE E10
FWL	RATIO-TRANSAXLE FINAL DRIVE 4.44
FX2	RATIO-TRANSAXLE FINAL DRIVE 3.91
FX3	RIDE AND HANDLING-AUTOMATIC ELECTRONIC CONTROLLED
FXU	RATIO-TRANSAXLE FINAL DRIVE 4.14
FZF	TRIM SEAT-CLOTH, BLACK ACTIV
G6J	PRIMARY COLOR-EXTERIOR, SMOKEY BEIGE(304V)
G8P	PRIMARY COLOR-EXTERIOR, BLUE ME AWAY MET. 2 (468B)
GAN	PRIMARY COLOR-EXTERIOR, SWITCHBLADE SILVER MET (G) 636R
GAZ	PRIMARY COLOR-EXTERIOR, SUMMIT WHITE (G) 8624
GB0	PRIMARY COLOR-EXTERIOR, BLACK MEET KETTLE MET-3 (506B) / BLACK MEET KETTLE MET-4 (507B) MOKKA ZARAGOSA ONLY
GBA	PRIMARY COLOR-EXTERIOR, BLACK (G) 8555
GCS	PRIMARY COLOR-EXTERIOR, VELVET RED MET (681R)
GCT	PRIMARY COLOR-EXTERIOR, MOROCCAN BLUE MET (682R)
GCW	PRIMARY COLOR-EXTERIOR, MISTY LAKE MET (683R)
GD8	PRIMARY COLOR-EXTERIOR, BURNT COCONUT MET (476A)
GG2	PRIMARY COLOR-EXTERIOR, PULL ME OVER RED SOLID-3 (497B) / PULL ME OVER RED SOLID-4 (498B) MOKKA ZARAGOSA ONLY
GGE	PRIMARY COLOR-EXTERIOR, SUPER RED (G) 717R

RPO	Description
GJS	PRIMARY COLOR-EXTERIOR, ICE TEAL MET (729R)
GJT	PRIMARY COLOR-EXTERIOR, GREEN COCKTAIL MET (726R)
GK2	PRIMARY COLOR-EXTERIOR, SON OF A GUN GRAY MET3 (482B) / SON OF A GUN GRAY MET 4 (483B) MOKKA ZARAGOSA ONLY
GL5	PRIMARY COLOR-EXTERIOR, BURNING HOT MET-3 (427B) / BURNING HOT MET-4 (428B) MOKKA ZARAGOSA ONLY
GL8	PRIMARY COLOR-EXTERIOR, RED-E OR NOT RED MET-3 (431B)
GOC	PRIMARY COLOR-EXTERIOR, HIGHWAY YELLOW (G) 104K
GQM	PRIMARY COLOR-EXTERIOR, BORACAY BLUE MET (895T)
GSE	PRIMARY COLOR-EXTERIOR, MOROCCAN BEIGE
GUL	PRIMARY COLOR-EXTERIOR, SHINY SILVER (947T)
GUP	PRIMARY COLOR-EXTERIOR, LISBON RED (949T)
GUQ	PRIMARY COLOR-EXTERIOR, NORWAY BLUE (948T)
GUR	PRIMARY COLOR-EXTERIOR, GALAPAGOS GRAY (945T)
GUS	PRIMARY COLOR-EXTERIOR, EBONY BLACK (944T)
GUT	PRIMARY COLOR-EXTERIOR, SUNSET GRAY (946T)
GYJ	PARTS PKG-VAN
GYM	PRIMARY COLOR-EXTERIOR, SATIN STEEL GREY METALLIC (205V)
GZ0	PRIMARY COLOR-EXTERIOR, CARIBBEAN MET-3 (698D)
I20	ENGINEERING YEAR-2020
IOA	RADIO-INFOTAINMENT SYSTEM - MIDLEVEL FACEPLATED HMI, MIDLEVEL CONNECTIVITY
IP1	RADIO-INFOTAINMENT SYSTEM - BASE FACEPLATED HMI, ENTRY CONNECTIVITY
J41	BRAKE SYSTEM-PWR, FRT DISC, RR DRUM, CAST IRON
JM0	BOOSTER-BRAKE, SINGLE
JM4	BRAKE SYSTEM-PWR, FRT DISC, RR DRUM, CAST IRON, ANTILOCK, FRT &RR WHL
JM7	BOOSTER-BRAKE, HYD, HI PERFORMANCE
K06	FAN-ELECTRIC COOLING
K12	FILTER-AIR, POLLUTANT
K60	GENERATOR-100 AMP
K97	GENERATOR-80 AMP
KRC	FUEL RATING-OCTANE NO. 87
KRD	FUEL RATING-OCTANE NO. 91
KRE	FUEL RATING-OCTANE NO. 95
KRH	FILTER-AIR, POLLUTANT & ODOR
LHD	VEHICLE DRIVE-LEFTHAND DRIVE
LKY	ENGINE-GAS, 4 CYL, L4, 1.2L, MFI, DOHC, FAM A/B, PDA, GEN 2, GMAP
LL0	ENGINE-GAS, 4 CYL, L4, 1.2L, MFI, DOHC, FAM A/B, DCVCP, GEN 2, GMAP
LMU	ENGINE-GAS, 4 CYL, L4, 1.2L, MFI, DOHC, GMDAT
MBD	MARKETING AREA-CENTRAL AMERICA/CARIBBEAN
MBL	MARKETING AREA-VIETNAM
MBN	MARKETING AREA-UZBEKISTAN
MBR	MARKETING AREA-RUSSIA GROUP
MCJ	MARKETING AREA-NORTHWEST ANDEAN
MCK	MARKETING AREA-SOUTHEAST ANDEAN
MCX	MARKETING AREA-MEXICO
MDC	MOLDING B/S UPPER-BRIGHT
MFM	TRANSMISSION-MAN 5 SPD, Y4M HD, 1ST 3.539, 5TH 0.781
MNG	TRANSMISSION-AUTO 4 SPD, AISIN-WARNER, AW 80-40LE, FWD, GEN2
MYX	TRANSMISSION-MAN 5 SPD,172MM, 3.63 1ST, 1.95 2ND, 1.32 3RD, 0.97 4TH, 0.78 5TH, Y4M HD
N33	STEERING COLUMN-TILT TYPE
N40	STEERING-POWER, NON-VARIABLE RATIO
N45	STEERING WHEEL-3 SPOKES
NE9	EMISSION SYSTEM-EEC 09

RPO	Description
NJ1	STEERING-POWER, NON-VARIABLE RATIO, ELECTRIC
NQ3	FUEL TANK-35L, 9GAL
NQB	CONTROL-STEERING WHEEL, LEATHER WRAPPED (GMDAT)
NT2	EMISSION SYSTEM-EEC 96
NT3	EMISSION SYSTEM-EEC 00
NT4	EMISSION SYSTEM-EEC 05
NT7	EMISSION SYSTEM-FEDERAL, TIER 2
NU7	EMISSION SYSTEM-EURO 5+
NWU	TAILPIPE-TAILPIPE SINGLE, EXPOSED TURNED DOWN
NZ1	WHEEL SPARE-13 X 4.5, J, STEEL, DESIGN 1
NZA	CONTROL-STEERING WHEEL, WIRELESS INTERFACE, RADIO & PHONE, HANDSFREE CONTROLS
NZC	WHEEL-13 X 4.5, J, STEEL, DESIGN 1
PMC	IDENTIFICATION-MCM
PNA	PANEL-TRIM, FRT DOORS
Q8E	JACK-MECHANICAL, W/TOOLS
QCJ	TIRE ALL-155/70R14 SL 77T BW HWY
QI0	MODEL CONVERSION-INTR, TRIM LEVEL 0
QI1	MODEL CONVERSION-INTR, TRIM LEVEL 1
QI2	MODEL CONVERSION-INTR, TRIM LEVEL 2
QJR	TIRE ALL-165/70R14 SL 81H BW HW3
QPT	TIRE ALL-155/80R13 SL 79T BW HWY
QPZ	TIRE SPARE-155/80R13 SL 79T BW HWY
RJ1	TIRE SPARE-155/70R14 SL 77T BW SPR
RNB	TIRE SPARE-165/70R14 SL 81H BW VARI
RPN	WHEEL-14 X 4.5, J, ALUMINUM, DESIGN 3
RQX	WHEEL-14 X 4.5, J, ALUMINUM, DESIGN 1
RQY	WHEEL-14 X 4.5, J, STEEL, DESIGN 1
RR1	WHEEL-14 X 4.5, J, ALUMINUM, DESIGN 2
RWK	ACCESSORY-BODY SIDE MOLDINGS - PAINTED
RXH	ACCESSORY-CENTER CAP - WHEEL - DESIGN 1
RY2	ACCESSORY-DECALS/APPLIQUES
RYB	WHEEL SPARE-14 X 4.5, J, STEEL, DESIGN 2
SAI	ACCESSORY-SILL PLATES - STAINLESS
SAO	ACCESSORY-SMOKERS PACKAGE
SBZ	ACCESSORY-SPORT PEDAL KIT
SDL	ACCESSORY-UTILITY RACK
SDS	ACCESSORY-WEATHER DEFLECTORS - SIDE WINDOW - SMOKED
SDW	ACCESSORY-WHEEL - 15" - ALUMINUM - DESIGN 1
SHM	WHEEL SPARE-14 X 4.5, J, STEEL, DESIGN 1
SHN	WHEEL SPARE-14 X 4.0, T, STEEL, DESIGN 1
SK7	WHEEL-14 X 4.5, J, STEEL, DESIGN 2
SS6	TIRE ALL-165/65R14 SL 79H BW HWY
SS7	TIRE SPARE-165/65R14 SL 79H BW SPR
T2Y	PROVISIONS-SEAT, CHILD
T3N	LAMP SYSTEM-DAYTIME RUNNING, SEPARATE CAVITY
T3U	LAMP FRT FOG-FRT FOG
T3X	LAMP SYSTEM-DAYTIME RUNNING, REGULAR INTENSITY LOW BEAM
T56	SPOILER-RR, ROOF, SPORT
T79	LAMP-FOG, RR
T90	LAMP-SIGNALING & MARKER, EXPORT
TB8	HEADLAMP RULE OF RD-RH RULE OF THE ROAD
TBI	PLANT CODE-TALEGAON, INDIA

RPO	Description
TBS	PLANT CODE-HANOI(VIDAMCO), VIETNAM
TD1	REFLECTOR-SAFETY TRIANGLE
TDY	ORNAMENTATION-LETTERING, "CHEVROLET"
TFC	ALARM-SEAT BELT WARNING, PASS
TH5	HEIGHT ADJUSTMENT-SAFETY BELT, FRONT SEAT
TL6	GRILLE-RADIATOR, BLACK
TN9	BATTERY-LN1, FLA, 12V, 50AH, 375 ENCCA
TR1	LAMP-TAIL & STOP
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
TS6	LAMP-STOP, HIGH LEVEL
TT9	LAMP-STOP, HIGH LEVEL, LED TYPE
TTQ	SPOILER-RR, ROOF, SPORT, ENLARGED
U04	HORN-SINGLE NOTE
U18	SPEEDOMETER-INST, KILO
U25	LAMP-INTR, RR COMPT, COURTESY
U71	ANTENNA-ROOF, RADIO
UAD	SPEAKER SYSTEM-2, FRONT, BASE
UC3	CONTROL-STEERING WHEEL, RADIO & PHONE, REDUNDANT CONTROLS
UCH	RADIO-AM/FM STEREO, SEEK, CD, ETR, FADER, MP3
UD7	PARK ASSIST-REAR
UDB	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (SEGMENTED)
UDG	DISPLAY INSTRUMENT-TRIP ODOMETER (SEGMENTED) DO NOT USE NEXT NEW MAJOR
UDZ	DISPLAY-TRIP COMPUTER
UF1	DISPLAY-TIME, DATE
UH0	INDICATOR-SEAT BELT WARNING , LH
UH7	RADIO-AM/FM STEREO, SEEK/SCAN, CD, ETR, CLOCK DSP, MP3/WMA, USB, AUX/IN, WIRELESS INTERFACE
UI3	COMMUNICATION SYSTEM-VEHICLE, ERA GLONASS
UK3	CONTROL-STEERING WHEEL, ACCESSORY
UKN	PLANT CODE-UZDW, UZBEKISTAN
UQ4	SPEAKER SYSTEM-4, BASE
UQ9	SPEAKER SYSTEM-(NONE)
USR	RECEPTACLE-USB
UTJ	THEFT DETERENT-ELECTRICAL, UNAUTHORIZED ENTRY
UVC	VISION-REAR VIEW, MONO, ANALOG
UW6	SPEAKER SYSTEM-6, CUSTOM
V22	GRILLE-RADIATOR, CHROME
V34	BUMPER-FRT & RR, BLACK
V48	COOLANT-ENGINE MAXIMUM PROTECTION
V54	LUGGAGE CARRIER-ROOF, PAINTED
V5N	PANEL CENTER-INSTRUMENT, LT ANDERSON SILVER MET (2 COAT)
V6R	PANEL CENTER-INSTRUMENT, DK ANDERSON SILVER MET (2 COAT)
VA8	LANGUAGE LABEL-SPANISH
VEE	BUMPER FRT-BODY COLOR, FRT & RR
VGC	PROTECTOR-FILM, PAINT ETCH PREVENTIVE
VH4	MUD FLAPS-
VHY	PROTECTOR-BODY SHEET METAL, HIGH CORROSION PREVENTIVE
VIX	PLATE-VEHICLE IDENTIFICATION - VISUAL (GMDAT)
VIY	PLATE-VEHICLE IDENTIFICATION - ASTERISK (*) MARK (GMDAT)
VL4	LICENSE PLATE FRONT-FRT MOUNTING PKG, EEC
VNU	VIN FORMAT-U.S. TYPE
VNW	VIN FORMAT-EU (ISO) TYPE
VQK	ACCESSORY-SPLASH GUARDS - CUSTOM MOLDED

RPO	Description
VQZ	ACCESSORY-EXHAUST TIP - DESIGN 1
VXP	PANEL CENTER-INSTRUMENT, V DK PEWTER,ACRYL PAINT
VXQ	PANEL CENTER-INSTRUMENT, DARK ARGENT, METALLIC PAINT
VXR	PANEL CENTER-INSTRUMENT, CYCLONE, AQUA GRAPHIC FILM
VYK	PANEL CENTER-INSTRUMENT, JET BLACK
VYW	ACCESSORY-FLOOR MATS - PREMIUM CARPET - DESIGN 1
W2P	COVER, WHEEL-FLUSH, VAR 1
W2V	ORNAMENTATION-LETTERING, VAR - NONE
WAS	ORNAMENTATION-NAME PLATE "SPARK"
WCM	ORNAMENTATION-LETTERING "LT"
WG3	ORNAMENTATION-NAME PLATE "BEAT"
WH3	ORNAMENTATION-NAME PLATE "SPARK GT"
WHB	EQUIPMENT-ENHANCED ELECTRONIC MODULE SIGNAL SPEED, GM-LAN
WJY	SALES PACKAGE-CROSS SPARK
WML	VIN MODEL YEAR-2020
WPT	SALES PACKAGE-LS DLX
WPU	SALES PACKAGE-LT DLX
WU5	SWITCH-I/P LP DIMR
WU6	SWITCH-SIDE DR, ELECTRIC DOOR LOCK
XA6	LABEL-EEC COMPLIANCE
XL4	CHASSIS OPTIONS-PROTECTION KIT, ENGINE COMPARTMENT
XX7	RADIO-PROVISIONS, INSTALLATION, VAR 3
Y9Y	ORNAMENTATION-DECAL "CHEVROLET"
YCS	ACCESSORY-VEHICLE, CHEVYSTAR
Z4K	ORNAMENTATION-LETTERING "PREMIER"
Z4P	ORNAMENTATION-EMBLEM, "ACTIV"
ZAL	TIRE SPARE-T105/70D14 SL 84M BW SPR
ZY0	WARRANTY-50,000 KM, 2 YEARS
ZY9	WARRANTY-100,000 KM, 3 YEARS

1. GENERAL INFORMATION

2. GENERAL INFORMATION

3. INTRODUCTION

4.

Fasteners

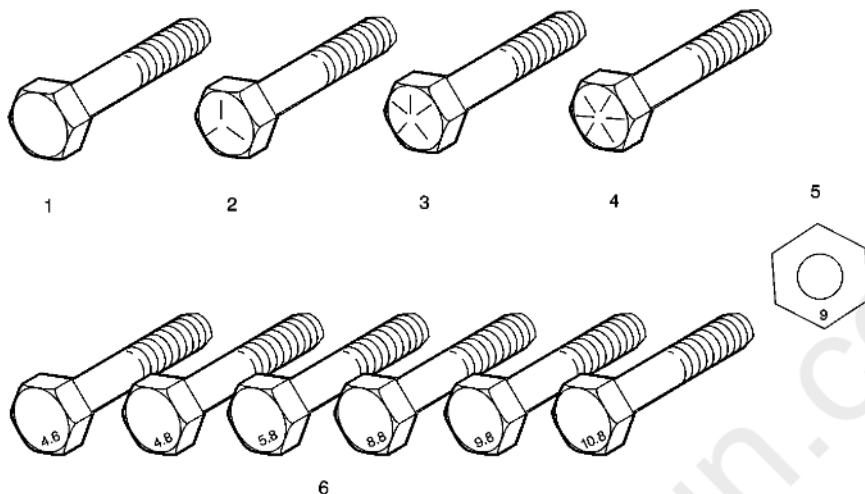
Metric Fasteners

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 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.

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- (1) English Bolt, Gradeâ€™2 (Strength Class)
- (2) English Bolt, Gradeâ€™5 (Strength Class)
- (3) English Bolt, Gradeâ€™7 (Strength Class)
- (4) English Bolt, Gradeâ€™8 (Strength Class)
- (5) Metric Nut, Strength Classâ€™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 gradeâ€™2 to gradeâ€™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 2â€™lines less than the actual grade. For example, a gradeâ€™8 bolt will have 6â€™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

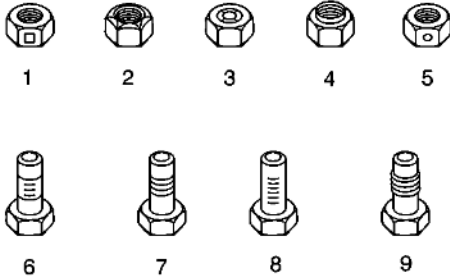
These fasteners accomplish the thread interface by a designed distortion or deformation in the fastener.

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.



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- (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		
• 6mm	0.4N-m	4lb-in
• 8mm	0.8N-m	7lb-in
• 10mm	1.4N-m	12lb-in
• 12mm	2.1N-m	19lb-in

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

English Prevailing Torque Fastener Minimum Torque Development

Application	Specification	
	Metric	English
All Metal Prevailing Torque Fasteners		
• 1/4in	0.5N-m	4.5lb-in
• 5/16in	0.8N-m	7.5lb-in
• 3/8in	1.3N-m	11.5lb-in
• 7/16in	1.8N-m	16lb-in
• 1/2in	2.3N-m	20lb-in
• 9/16in	3.2N-m	28lb-in
• 5/8in	4N-m	36lb-in
• 3/4in	7N-m	62lb-in
Nylon Interface Prevailing Torque Fasteners		
• 1/4in	0.3N-m	3lb-in
• 5/16in	0.6N-m	5lb-in
• 3/8in	1N-m	9lb-in
• 7/16in	1.3N-m	12lb-in
• 1/2in	1.8N-m	16lb-in
• 9/16in	2.5N-m	22lb-in
• 5/8in	3.4N-m	30lb-in

Application	Specification	
	Metric	English
3/4"	5N-m	45lb-in

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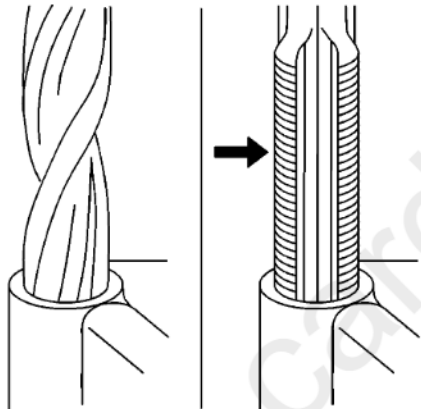
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Thread Inserts

General Purpose Thread Repair Kits.

These kits are available commercially.

Repair Procedure



1. [Click here for full size](#)
2. Warning:

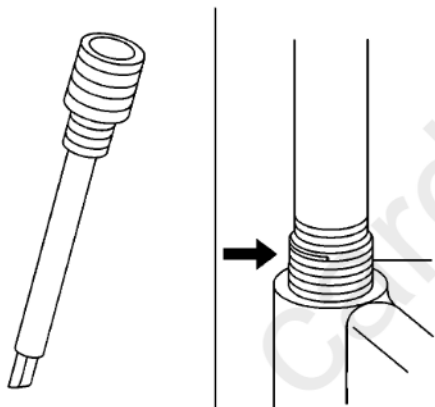
Refer to [Safety Glasses Warning](#).

3. 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.

4. 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.
5. Drill out the damaged threads. Clean out any chips.
6. Lubricate the tap with light engine oil. Tap the hole. Clean the threads.



7.

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

9. Note:

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

10. Lubricate the insert with light engine oil, except when installing in aluminum and install the insert.

11. If the tang of the insert does not break off when backing out the installer, break the tang off with a drift.

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Door Lock and Ignition Lock Folding and Non-Folding Key Cutting

High Security keys are available from the service parts system.

Obtain the key code from the security card or from the GM Dealer World, Parts, Key Code Look Up system.

If you have the key code and access to a Triax-E., BD Laser or other code key cutting machine from the GM Dealer Equipment Catalog, you may cut a new key.

If you have the original key and access to a Matrix S, BD Laser or other key duplicating machine, you may duplicate the key.

If you do not have a high security key cutting machine, order the side cut key from the service parts system. Include the key code in the NOTE field. Indicate the timing and the method of the shipment.

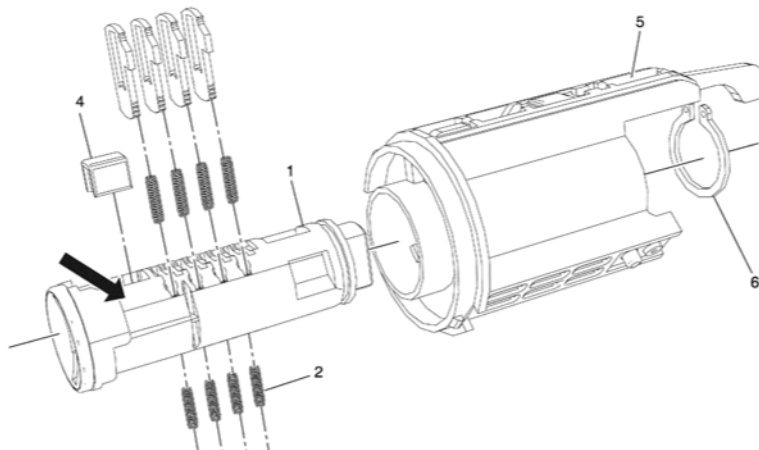
Inspect the new key operation in the lock cylinder. Ensure the new key operates effectively.

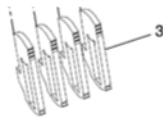
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Key and Lock Cylinder Coding

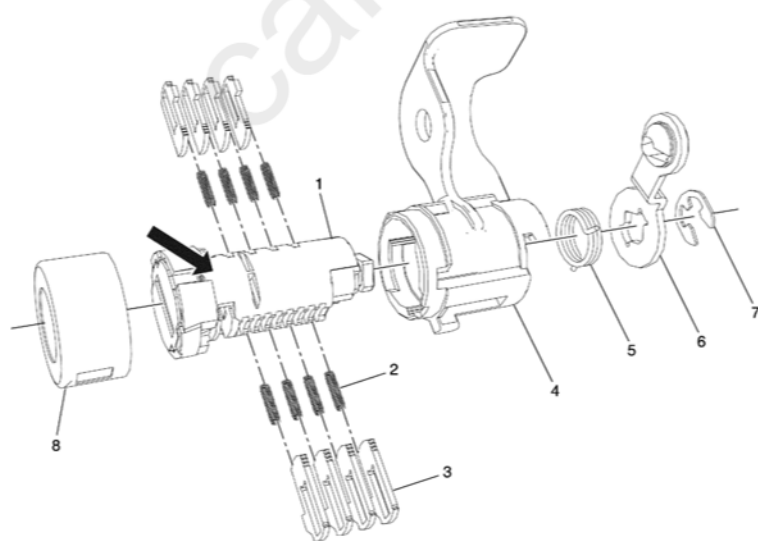
Ignition Lock Cylinder





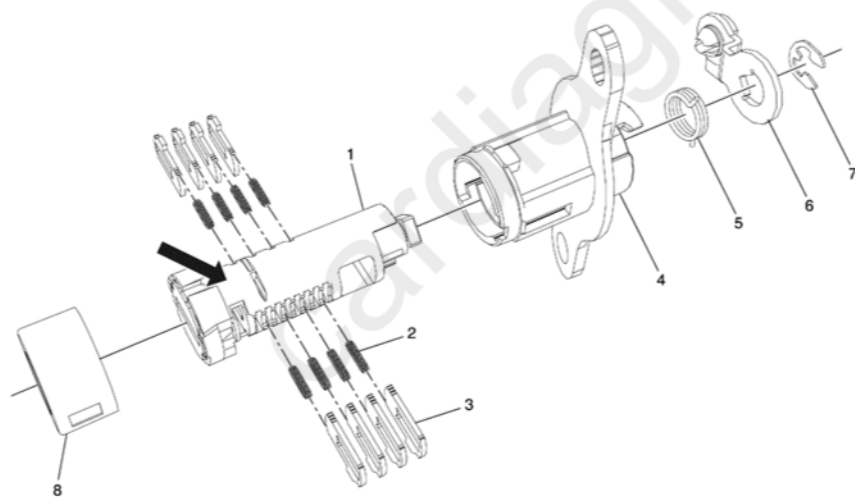
1. [Click here for full size](#)
2. Tumbler spring(2) and tumbler(3) to be assembled into cylinder(1)â€”In this case start with the tumbler near the cylinder head and work through until the last tumbler at the cylinder ground. Use the key as tool by pushing it in step by step to hold the already assembled tumblers in place.
3. Slide piece(4) to be assembled into the pocket in cylinder(1).
4. Apply grease on the cylinder diameter.
5. Assemble the rotor case(5) and sub-assembly.
6. Remove the key.
7. Install the C-ring(6) to the bottom of the cylinder.

Front Side Door Lock Cylinder



1. [Click here for full size](#)
2. Tumbler spring(2) and tumbler(3) to be assembled into cylinder(1)â€”In this case start with the tumbler near the cylinder head and work through until the last tumbler at the cylinder ground. Use the key as tool by pushing it in step by step to hold the already assembled tumblers in place.
3. Apply grease on the cylinder diameter.
4. Assemble the rotor case(5) and sub-assembly.
5. Remove the key.
6. Install the return spring(5) and lever(6).
7. Install the E-ring(6) to the bottom of the cylinder.
8. Install and stake the rotor case cover(8) onto the head of the rotor case(5) by crimping the cover material in 2â€”places into the pockets around the head of the rotor case.

Liftgate Lock Cylinder



1. [Click here for full size](#)
2. Tumbler spring(2) and tumbler(3) to be assembled into cylinder(1)~In this case start with the tumbler near the cylinder head and work through until the last tumbler at the cylinder ground. Use the key as tool by pushing it in step by step to hold the already assembled tumblers in place.
3. Apply grease on the cylinder diameter.
4. Assemble the rotor case(5) and sub-assembly.
5. Remove the key.
6. Install the return spring(5) and lever(6).
7. Install the E-ring(6) to the bottom of the cylinder.
8. Install and stake the rotor case cover(8) onto the head of the rotor case(5) by crimping the cover material in 2~places into the pockets around the head of the rotor case.

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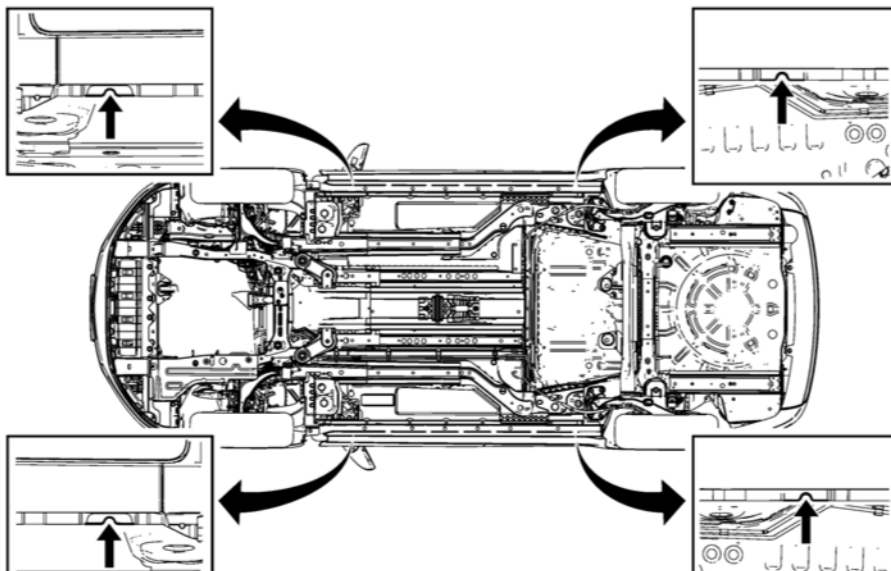
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Lifting and Jacking the Vehicle

Note:

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





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Danger:

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.

Danger:

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 outer panel weld flange, as shown.

Rear Lift Pads

When lifting the vehicle with a frame-contact lift, place the rear lift pads on the rocker outer panel weld flange, 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.

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

Front of Vehicle

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

Rear of Vehicle

Note:

Place jackstands ONLY under strong and stable vehicle structures.

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