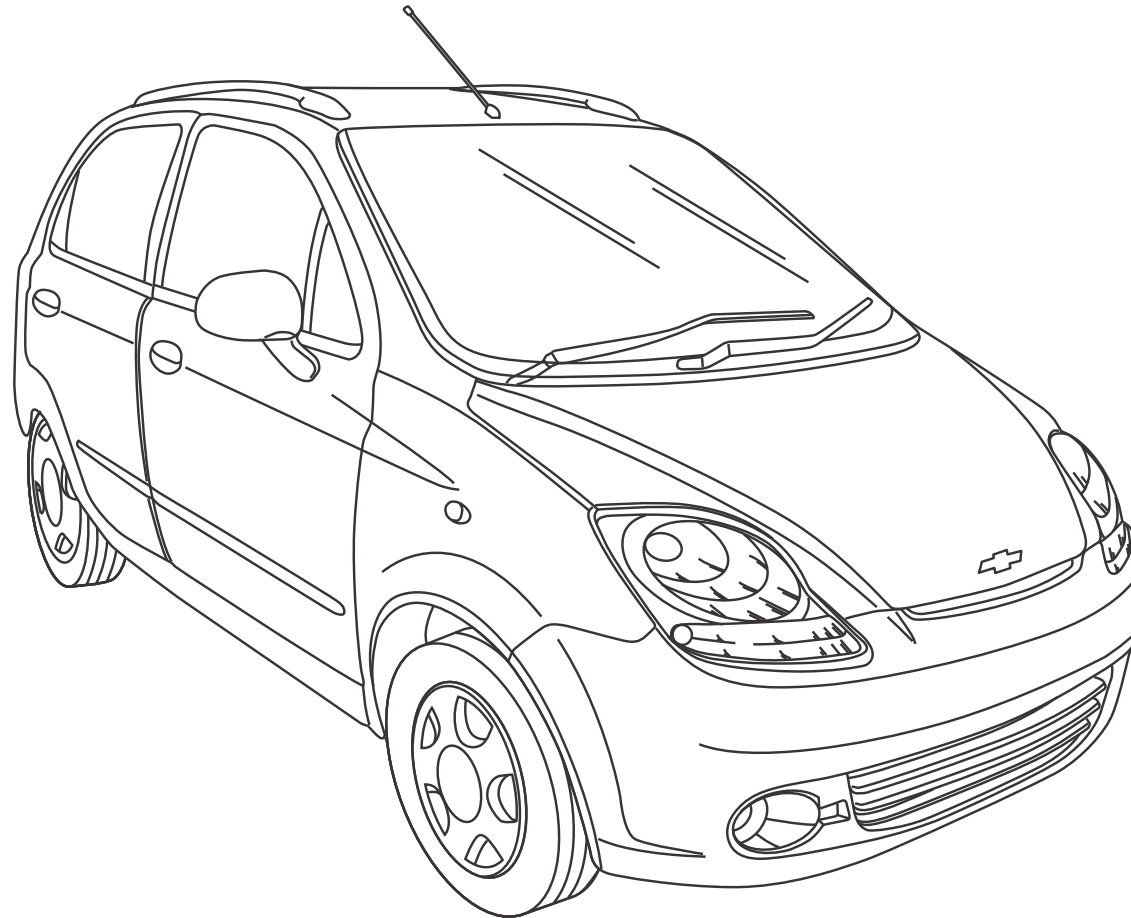




**SPARK**



## ***Owner's Manual***

***Operation, Safety and Maintenance***



Dear Customer,

Welcome to the CHEVROLET family. We wish to thank you for choosing CHEVROLET car.

It is our constant endeavor to provide you with products that offer excellent performance through out their ownership period. Which is why, in addition to producing great cars, we have also set up an extensive, and very well equipped network of retailers and authorized service centres across the country.

Naturally, these CHEVROLET retailers knows everything there is to know about your car, and provides you with the best service possible. In fact, every retailer is equipped with the most advanced technology, technicians specially trained by us, and genuine spares. Needless to say, they are also committed to ensure your complete satisfaction.

So, please contact a CHEVROLET retailer for any servicing need and make sure that only genuine spares are used for your car.


This manual will familiarize you with the operation and maintenance of your new vehicle. It will also provide you with important safety information. Please do read it carefully and follow the recommendations. In fact, the manual is like a permanent part of your car. And it would go a long way in ensuring a safe and trouble-free operation for your car.

Should you have any query please feel free to call our 24 hr. Helpline at 30308080 (Prefix local STD code when dialling from mobile phone) or email us at : [gmi.cac@gm.com](mailto:gmi.cac@gm.com).

Happy Motoring

## IMPORTANT NOTICE

Please read this manual and follow the instructions carefully.

 : This is the safety alert symbol used to alert you to potential hazards including injuries or damage to your vehicle or other property. Obey all safety messages that follow this symbol.

Throughout this manual you will find special notations:

- Warning
- Note
- Caution

### **WARNING**

**WARNING indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.**

### **NOTE**

**NOTE indicates information which will assist you with maintenance or other instructions concerning your vehicle.**

### **CAUTION**

**CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries, or damage to your vehicle or other property.**

\* or (Option) : The asterisk and (Option) in this manual signify an item of equipment that is not included on all vehicles. Such items include engine options, model variations specific to one country, and optional equipment.

All information, illustrations, and specifications in this manual are based on the latest product information available at the time of publication.

General Motors India Pvt. Ltd. (GMI) reserve the right to change specifications or designs at any time without notice and without incurring obligation.

This vehicle may not comply with the standards or regulations of other countries. Before attempting to register this

vehicle in any other country, check all applicable regulations and make any necessary modifications.

This manual describes the options and trims available at the time of publication. Some of the items covered may not apply to your vehicle. Contact your CHEVROLET retailer for information on option and trim availability.

Non-GMI genuine parts and accessories have not been examined or approved by GMI. We can certify neither the suitability nor the safety of non-GMI genuine parts and accessories and are not liable for damage caused by their use.

**Important:** Read Section 2 ("Seats and Occupant Protection Systems") of this manual fully and carefully before operating your vehicle.

**Warning :** Tampering of wiring harness or fitment of non genuine accessories in your vehicle may lead to short circuit resulting in fire.

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# 1 CSIPL WARRANTY & SERVICE BOOKLET

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## STANDARD LIMITED WARRANTY COVERAGE

### 1. SCOPE

General Motors India Private Limited, a private limited company incorporated under the companies Act 1956 and having its Works/Registered office at Chandrapura Industrial Estate, Halol, District Panchmahals, Gujarat 389351 (“General Motors India”) warrants that your new Chevrolet vehicle is free from defect in material or workmanship, subject to your compliance with the following terms and conditions mentioned hereunder and other vehicle maintenance norms as mentioned elsewhere in this service booklet.

Only an authorized CHEVROLET retailer as mentioned in this booklet will make the necessary repairs, using new, re-conditioned or re-manufactured parts with a view to correcting any defect covered by this warranty.

### 2. WHAT IS COVERED

Time and distance limits for New Vehicle Warranty coverage.

Warranty Type	Warranty Limits	Other Warranties
<b>A : General</b>	Three (3) years or 1,00,000 kms (whichever is earlier) from the date of delivery by a CHEVROLET retailer or the date of first registration of the motor vehicle, whichever occurs first.	These parts are covered by other warranties : 1. Battery (one (1) year) (covered by the battery manufacturer**) 2. Tyres (one (1) year) (covered by the tyre manufacturer**) 3. Audio/Radio/Acc. (one (1) year) (covered by the Audio/Radio/Acc. manufacturer**) See clause 5.
<b>B : Rust Through*</b>	Three (3) years from the date of delivery of the motor vehicle or from the date of first registration of the motor vehicle, whichever occurs first.	The warranty covers exterior body metal except : 1. Items not covered by warranty listed in Section 3 2. Exhaust pipe and fuel system rust

\* A hole through a body panel caused by rust / corrosion from inside to outside.

\*\* Service / warranty shall be provided by the concerned equipment manufacturer



- The obligation under this New Vehicle Warranty is limited to the repair of the new motor vehicle at no charge by the Chevrolet authorized retailer. For parts replaced during such repair the same warranty applies until the end of the New Vehicle Warranty period as stipulated herein. All warranty claims expire at the end of the warranty period as specified under Clause 2.
- Liability of **General Motors India Pvt. Ltd.** under this New Vehicle Warranty is limited to the value of the service, repairs/ replacement of parts found to be defective within the warranty period. Beyond servicing and/or repairing defective parts in the vehicle, **General Motors India Pvt. Ltd.** does not undertake to replace the vehicle / or reimburse the purchaser by payment of any money in respect of the vehicle purchased by them.
- Under the terms of New Vehicle Warranty, installation, free service will be provided only within the municipal limits of the cities/towns where **General Motors India Pvt. Ltd.** has its service network, *as elaborated elsewhere in this Service booklet.* This list of authorized retailers is subject to change/modification without prior notice. Service outside the municipal limits specified above will be provided after charging the actual to and fro traveling and incidental expenses, as prevailing from time to time.
- Necessary care and caution is taken in manufacturing of the vehicle, however, **General Motors India Pvt. Ltd.** shall not be liable for any loss or damage caused to any article, property, death or disability caused to any human life arising out of fire, electric fault, short circuit, accidental handling or negligent use of the vehicle. The maximum liability in monetary terms shall be restricted to the value of the defective parts and / or value of services rendered only. Furthermore, the New Vehicle Warranty, in no case, shall extend to the payment of any monetary consideration whatsoever, of the replacement or return of the vehicle as a whole.
- The decision of **General Motors India Pvt. Ltd.** will be final and binding on all matters arising out of this New Vehicle Warranty.
- The owner should preserve the original Invoice for necessary verification and produce the same, as and when required.
- The optimum performance of the vehicle is under standard test conditions.

This New Vehicle Warranty is issued at Halol, District Panchmahals, Gujarat and competent courts shall have exclusive jurisdiction over matters by or following from time to time.

### 3. WARRANTY LIMITATIONS

The warranty will cease to exist in following conditions:

- a. Failure to have the required periodic inspection and required service performed as per the Periodic Maintenance Schedule.
- b. Improper or wrong maintenance and in deviation with guidelines mentioned in this service booklet.
- c. Any modification, alterations made to the vehicle such as including but not restricted to adding lights, changing engine specifications to increase horsepower, or using wide tyres, and or any other modification in the vehicle that may likely to have an effect on the performance of the vehicle. (e.g.: a defect caused by the installation of non homologated wheels and tyres are not covered by the warranty.)
- d. Failure to use genuine parts, /fluids (oil, coolant, brake fluid) and / or other accessories / consumables recommended or approved by General Motors India Pvt. Ltd.
- e. Use of the vehicle for purposes or in a manner other than the one mentioned in the owner's manual. Exceeding specified capacities such as loading weight, passenger, speed, use as a commercial vehicle and rpm limitations.
- f. Damage caused by driving the vehicle under severe conditions such as un-pliable or water-logged roads, in races or rallies.
- g. Damage caused by natural disasters including but not restricted to earthquakes, storms, floods, fire and accidents. The owners are recommended to keep their vehicle insurance valid at all times.
- h. Damage caused by smoke, chemicals, bird-droppings, salt, stone chipping, scratches, iron dust or any other extraneous circumstances like external mechanical or chemical influences (regarding paint or body damage, specially stone throw, air-borne rust, industrial fall out), damage to catalytic converter due to use of wrong/bad quality fuel acting on the vehicle
- i. Damage caused by normal wear (for instance brake-pad, etc.) or exposure to the elements such as discoloring or deformation of any interior, plastic, chrome or painted part or surface.
- j. Sensory complaint by the owner against symptoms such as noise, vibration or oil stains which do not effect performance.
- k. Damage which should have been detected during normal usage but became serious when left unattended to and/or the owner of the vehicle having failed to claim and having rectified a defect which was already apparent during vehicle delivery, immediately after delivery or a defect which becomes apparent at a later date immediately after it became apparent.
- l. Failure of the owner to adhere to the requirements outlined in Clause 4.

- m. Fuel system damage caused by water or other foreign matter in the fuel system.
- n. Damage caused by the installation of non genuine accessories or equipment after the vehicle has been purchased from the Chevrolet authorized retailer such as radio, car telephone, CD radio set, or cargo carrier and / or other activities of a similar nature.
- o. Consumptive parts and oil/grease and other fluids. (See the following tables of consumptive parts and oil/grease and other fluids.)
- p. Adjustments, cleaning, inspection, or required periodic maintenance.
- q. Parts designated as requiring periodic replacement.
- r. Warranty repair not performed by a CHEVROLET authorized retailer.
- s. Charges or fees for telephone, tow, transportation charges of the vehicle to the nearest Chevrolet authorized retailer, rental car, and so forth; compensation for inconvenience or commercial losses; all other consequential costs relating to the owner being unable to use the vehicle.
- t. Any accident, damage, loss or destruction due to negligent, careless use of vehicle.
- u. Damage to the engine while driving in water logged conditions or entry of water in to the engine.

**WHAT IS NOT COVERED**

Consumptive Parts	Oil/Grease and other fluids:
Spark Plug	Engine oil
Drive Belts	Transmission oil
Air cleaner element	Power steering fluid*
Fuel filter	Brake fluid
Oil filter	Coolant
Clutch disc, clutch parts	Grease
Brush holders	Washer fluid
Brake shoe and pads	Battery fluid
Brake discs	Gasoline
Brake drums	Air conditioner refrigerant
Wiper blades	Other lubricants, etc.
Light bulbs	
Motor brushes	
Fuses, etc.	

No warranty repair shall be made if it is found that the vehicle Identification number like chassis / engine number, odometer or the warranty & service booklet, have been tampered with. This list is neither exclusive nor exhaustive and the decision of General Motors India Pvt. Ltd. shall be final and binding.

#### **4. WHAT THE OWNER MUST DO**

In order to keep this warranty valid you must:

- a. Use your vehicle as instructed in the owner's manual.
- b. Have your vehicle inspected according to this schedule.

The cost of the service is borne by the owner. If the services are not performed within the specified time limits, the general and the rust through warranty as referred to under Clause 2 above, shall be rendered null and void and shall not be reinstated by a subsequent service.

- c. Keep the warranty & service booklet (owner's manual) and all receipts in a safe place to present to the CHEVROLET retailer at regular maintenance visits and when repair work is required.

#### **5. PARTS COVERED BY OTHER WARRANTY CONDITION**

- a. Battery : The coverage period is 1 year from the date of new vehicle registration regardless of the distance traveled.
- b. Tyres : This warranty is covered by the tyre manufacturer. The coverage period is one year. Please check with your CHEVROLET retailer for details.
- c. Audio/Radio/Acc. : This warranty is covered by the audio/radio/Acc. manufacturer. The coverage period is one year. Please check with your CHEVROLET retailer for details.

#### **6. MAKING THE WARRANTY EFFECTIVE**

The warranty goes into effect after CHEVROLET authorized retailer fills in the appropriate information about your vehicle and places the retailer's official seal and signature in the warranty & service booklet (owner's manual).

#### **7. REQUIREMENTS FOR WARRANTY WORK**

To have warranty work carried out, present the warranty & service booklet to the authorized CHEVROLET retailer as mentioned in this booklet. If the warranty & service booklet is lost or incomplete, work to be carried out with respect to the standard warranty shall be refused.

#### **8. CHANGE OF OWNERSHIP**

If the vehicle is sold during the warranty period, please deliver the warranty & service booklet to the new owner.

The new owner will need to complete the change of address or subsequent ownership notification card located elsewhere in this booklet in order for the coverage to be transferred.

#### **9. EXPENSES ASSOCIATED WITH WARRANTY WORK**

The expenses of repair work and parts of your Chevrolet will be covered by Chevrolet standard limited warranty in accordance with the WARRANTY & SERVICE BOOKLET (OWNER'S MANUAL). Other expenses that are not covered by the Chevrolet Standard Limited Warranty must be covered by the owner.

**10.** General Motors India Private Limited is launching the Chevrolet Spark in different cities in a phased manner. The CHEVROLET retailer responsible for delivering your Spark is qualified to provide all Spark related services within the city where he is located. As other CHEVROLET retailers become operational to handle the Spark, they will also be able to provide similar Spark related services. **IN ORDER FOR THE WARRANTY ON YOUR VEHICLE TO APPLY, IT IS IMPERATIVE THAT YOUR SPARK BE SERVICED, HANDLED AND ATTENDED TO ONLY BY CHEVROLET RETAILER AS SET FORTH IN THIS BOOKLET.**

**11.** The following requisite document should be presented to the Chevrolet retailer at the time of making a claim under New Vehicle Warranty:

- Original invoice issued by Chevrolet retailer.
- Warranty and service booklet / maintenance record.
- Any other document deemed to be necessary by CHEVROLET retailer and/or General Motors India Pvt. Ltd.

## **PREDELIVERY INSPECTION AND VEHICLE DELIVERY**

Before delivering the vehicle we carried out a thorough predelivery inspection in order to ensure that your Chevrolet vehicle is in a fault-free condition. Accompanying this appropriately filled out service booklet (owner's manual) are the tool kit and your vehicle documents.

You have been informed of the service intervals and necessary service checks, including under extreme operating conditions and in particular with regard to oil changing of petrol engines.

---

City, date :

---

CHEVROLET Retailer's / ASO's Stamp and Signature

**OWNER'S  
STATEMENT OF ACCEPTANCE**

I hereby certify that the car has been delivered in an orderly and proper operating condition, including Keys, **Service booklet (owner's manual) and tool kit. I have read and understood the terms and conditions pertaining to the New Vehicle Warranty and agree to abide by the same.**

I have been informed of the service intervals and necessary service checks, including under extreme operating conditions.

\_\_\_\_\_  
Date of delivery :

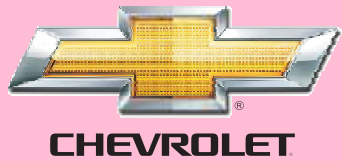
\_\_\_\_\_  
City, date :

\_\_\_\_\_  
Name and signature of customer :

This sheet must be detached prior to vehicle delivery and placed with the vehicle file **after it has been signed** by the customer.







Dear Customer,

We are confident that you and your family would be enjoying the safe and comfortable drive of the Chevrolet Spark.

We would like to undertake a thorough check-up of the vehicle at 1000 kms or 30 days, whichever occurs earlier. This will also allow us to re-emphasize the salient features of the Spark to you.

**In the unlikely event of an emergency assistance, please call your nearest CHEVROLET retailer as mentioned in this booklet or please feel free to call our 24 hr. helpline at 30308080.**

1000 kms /30 days reassurance check-up (whichever is earlier)

VIN no. \_\_\_\_\_

PDI no. \_\_\_\_\_

Date of service \_\_\_\_\_

Date of delivery \_\_\_\_\_

Retailer code \_\_\_\_\_

Customer's name \_\_\_\_\_

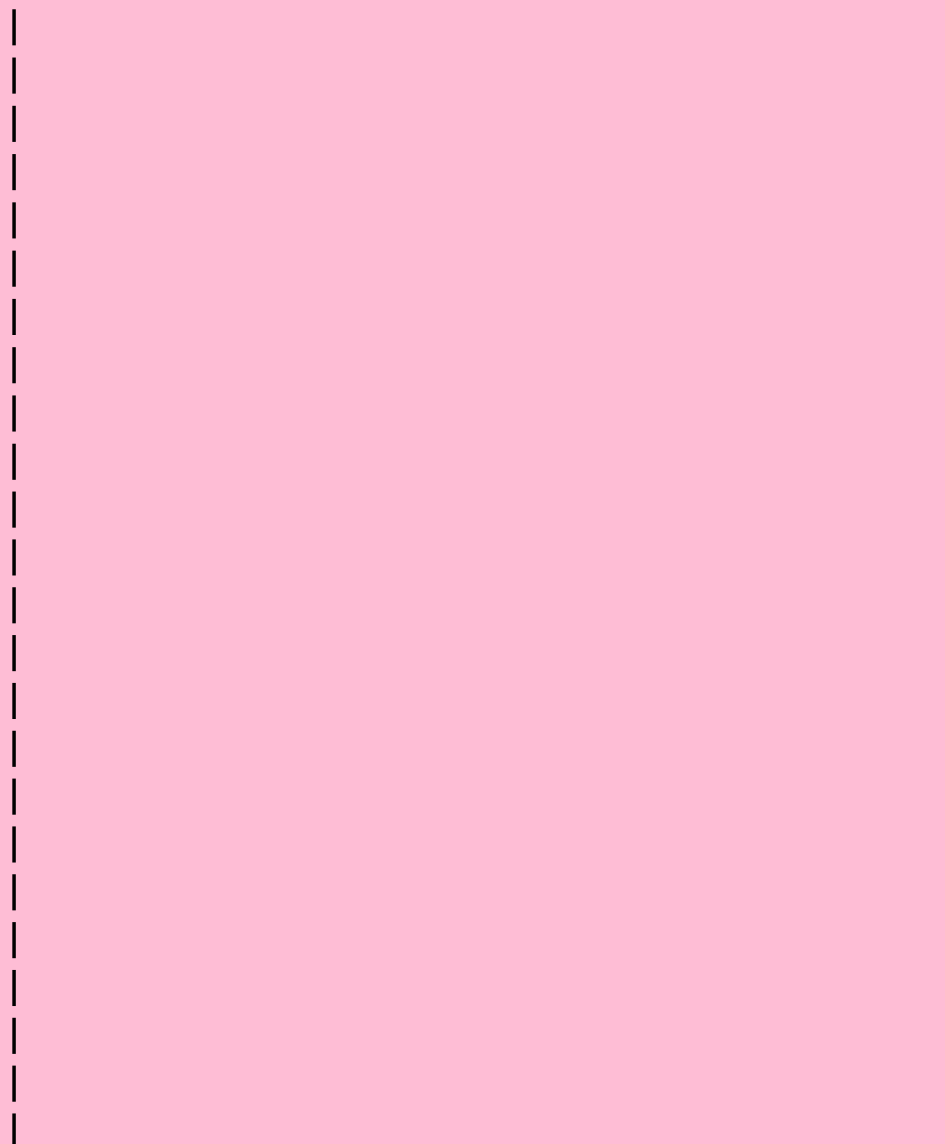
Customer's tel. no. \_\_\_\_\_

I confirm that the vehicle has been inspected and delivered to my satisfaction.

Retailer's Signature

Customer's Signature

<b>1000 kms Reassurance check-up</b>	
<p><b>General Status review</b> Check closing efforts of doors, &amp; other functions</p> <p><b>Under hood</b> Visually check routing, leaks &amp; damage</p> <ul style="list-style-type: none"> <li>— Check fluid levels</li> <li>— Engine oil level</li> <li>— Brake oil level</li> <li>— Coolant level</li> <li>— Power steering fluid*</li> </ul> <p>Windscreen washer level &amp; add washer fluid</p> <p><b>Underbody, wheels</b> Visually check routing, leaks &amp; damage</p> <p>Check tyre pressure</p> <p><b>Electrical Checks</b> Engine check lamp Charging lamp Oil pressure lamp Parking brake lamp/indicator High beam/Turn signal</p>	<p>Hazard indicator &amp; all other telltale lamp</p> <p>Cigarette lighter/ Rear defogger*</p> <p>Check lighting system</p> <p>Horn/Radio/ Outside mirrors</p> <p>High/ Low beam/ Hazard signal</p> <p>Turn signal/ Flash to pass signal</p> <p>Front/ Rear fog lamps*/ Tail lamps</p> <p>Stop lamp/ Reversing lamp/ Trunk lamp</p> <p><b>Dynamic Evaluation</b> Steering function/ noise/ abnormal drag</p> <p>Clutch &amp; gear shifting function / noise</p> <p>Accelerating &amp; braking function/ noise</p> <p>Check tyres</p> <p>Any other abnormal noise</p>



**CHEVROLET inspection**

2nd Service Check 1 year / 15000 kms whichever occurs earlier

VIN \_\_\_\_\_

Regn. No. \_\_\_\_\_

Delivery date \_\_\_\_\_

Date of service \_\_\_\_\_

Kms \_\_\_\_\_

I confirm that the job has been attended to my satisfaction.

Customer's Signature

Labour free & Parts are chargeable  
(Retain with job card)

**CHEVROLET inspection**

1st Service Check 6 months / 7500 kms whichever occurs earlier

VIN \_\_\_\_\_

Regn. No. \_\_\_\_\_

Delivery date \_\_\_\_\_

Date of service \_\_\_\_\_

Kms \_\_\_\_\_

I confirm that the job has been attended to my satisfaction.

Customer's Signature

Labour free & Parts are chargeable  
(Retain with job card)

---

Delivering Retailer's stamp & date

I hereby certify that the work has been carried out as per the schedule.

---

Servicing Retailer's / ASO stamp & date

---

Delivering Retailer's stamp & date

I hereby certify that the work has been carried out as per the schedule.

---

Servicing Retailer's / ASO stamp & date

**CHEVROLET inspection**

4th Service Check 2 years / 30000 kms whichever occurs earlier

VIN \_\_\_\_\_

Regn. No \_\_\_\_\_

Delivery date \_\_\_\_\_

Date of service \_\_\_\_\_

Kms \_\_\_\_\_

I confirm that the job has been attended to my satisfaction.

Customer's Signature

Labour & Parts are chargeable  
(Retain with job card)

**CHEVROLET inspection**

3rd Service Check 1.5 years / 22500 kms whichever occurs earlier

VIN \_\_\_\_\_

Regn. No. \_\_\_\_\_

Delivery date \_\_\_\_\_

Date of service \_\_\_\_\_

Kms \_\_\_\_\_

I confirm that the job has been attended to my satisfaction.

Customer's Signature

Labour & Parts are chargeable  
(Retain with job card)

---

Delivering Retailer's stamp & date

I hereby certify that the work has been carried out as per the schedule.

---

Servicing Retailer's / ASO stamp & date

---

Delivering Retailer's stamp & date

I hereby certify that the work has been carried out as per the schedule.

---

Servicing Retailer's / ASO stamp & date







## BATTERY

Battery type : \_\_\_\_\_

Battery make : \_\_\_\_\_

Battery number : \_\_\_\_\_

### IMPORTANT INSTRUCTIONS

- The battery must be fitted firmly in the cradle.
- Connecting cables and connectors must be fastened securely on to the battery.
- Connections must be made in the right polarity.
- Terminals must be kept coated with petroleum jelly/vaseline. **DO NOT USE GREASE.**
- Battery top & vent plugs must always be kept clean & dry .
- Electrolyte level must always be maintained in line with the bottom of the vent hole. In case of any drop in electrolyte level, add pure distilled water. **NEVER ADD ACID.**
- Battery is warranted for a period of one year only.
- Liability under this warranty is limited to defects arising out of faulty material or workmanship developing under proper use and **NOT** when the battery is merely discharged.

- Defects arising out of faulty vehicle electrical systems, negligent maintenance, incorrect charging or improper filling of the battery by unauthorised dealer/auto electricians are not covered by warranty.
- Consequent liabilities are not covered by this warranty policy.

CHEVROLET Retailer's  
Stamp

## **SEPARATE CORROSION PROTECTION SERVICE**

### Body/ Underbody Corrosion Protection Service

General Motors India Pvt. Ltd. provides a three (3) years warranty that no rust-through of the body/underbody will occur, provided that the directives from General Motors India Pvt. Ltd. concerning the treatment, maintenance, and care of the vehicle (owner's manual) and especially the inspection and checks prescribed in the service booklet have been carried out.

Furthermore, the body paintwork and the corrosion protection must be visually inspected for damage as part of the regular annual inspection or 15,000 kms service. The customer is informed of any damage detected and measures to rectify this damage. Any damage discovered is also indicated in the following corrosion protection diagram.

Confirmation of the inspection is indicated by a stamp and dated signature, accompanied by indication of the vehicle mileage on the following verification documents.

Make use of this possibility in order to avoid problems during warranty claims regarding rust- through of the body / underbody.

The rust through warranty is not applicable if areas damaged by any reason remain unattended and become the cause of corrosion.

All repairs when required should be carried out promptly and by the CHEVROLET retailer.

## BODY INSPECTION RECORD

Vehicle identification number : \_\_\_\_\_

Registration number : \_\_\_\_\_

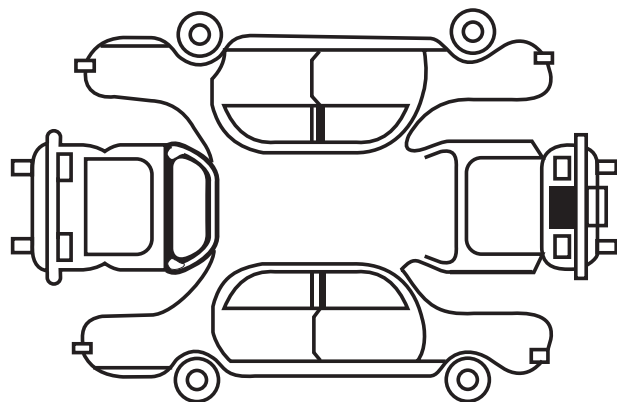
Name / address of owner : \_\_\_\_\_  
 \_\_\_\_\_

In order to maintain the Chevrolet rust-through warranty, the vehicle must be subjected to an inspection by CHEVROLET retailer once a year. Any resulting work is subject to a charge.

Check-up 1 year after initial registration.

Check-up date : \_\_\_\_\_

Odometer reading : \_\_\_\_\_



Damage found : 1. Outer body Yes  No   
 2. Under body Yes  No   
 3. Engine compartment Yes  No

Retailer stamp / signature : \_\_\_\_\_

Damage repaired : Yes  No

Remarks : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Use the following symbols to indicate damage.**

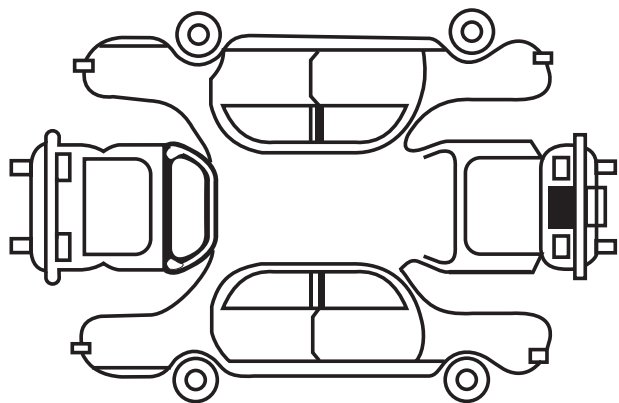
● Chipping	× Dent / Bumpy
▲ Scratch	■ Other damage
↑ Antirust re-treatment necessary	

## BODY INSPECTION RECORD

Vehicle identification number : \_\_\_\_\_

Registration number : \_\_\_\_\_

Name / address of owner : \_\_\_\_\_  
 \_\_\_\_\_



**Use the following symbols to indicate damage.**

- Chipping
- ▲ Scratch
- ↑ Antirust re-treatment necessary
- × Dent / Bumpy
- Other damage

In order to maintain the Chevrolet rust-through warranty, the vehicle must be subjected to an inspection by CHEVROLET retailer once a year. Any resulting work is subject to a charge.

Check-up 2 year after initial registration.

Check-up date : \_\_\_\_\_

Odometer reading : \_\_\_\_\_

Damage found : 1. Outer body Yes  No   
 2. Under body Yes  No   
 3. Engine compartment Yes  No

Retailer stamp / signature : \_\_\_\_\_

Damage repaired : Yes  No

Remarks : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## EMISSION WARRANTY

**(Applicable in NCR Delhi, Chennai, Kolkata and Mumbai)**

Subject to other terms of the warranty policy and the conditions and obligations laid down hereunder, General Motors India Pvt. Ltd., certifies that the components liable to affect the emission of the gaseous pollutants in the vehicle in the normal use despite the use to which it may be subjected, comply with the provisions of Rule 115 (2) of the central Motor Vehicle Rules, 1989, and further warrants that if on examination by a service center duly authorized by the General Motors India Pvt. Ltd., the vehicle is discovered to be failing to meet the emission standard as specified in the said rule, our authorized service center shall take such corrective measures as may be necessary and shall at its sole discretion either repair or replace free of charge such components of emission control system as are specified in Annexure II hereof.

The definitions of various terms used in Emission warranty proposal are given in

Annexure –I. These definitions shall be in line with the definition of the existing product Warranty definition.

### Conditions :

1. This warranty will be in addition to and will run concurrently and parallel to the product warranty and will apply only in respect to components as mentioned in Annexure-II.
2. The period of the vehicle's warranty shall commence from the date of the vehicle sale.
  - 2.1 Warranty period - **1,00,000 kms or 3 years** whichever occurs earlier, from date of the vehicle sale.
- 3 The warranty claim will be accepted only after examination carried out by CHEVROLET Retailers leading to a firm conclusion that none of the original settings /specifications have been tampered with and that the components (s) as mentioned in Annexure –II has/have a manufacturing defect, and /or, that the vehicle is unable to meet the In-use emission

standard.

4. The methods of examination to determine the warrantable condition of the components will be at sole discretion of General Motors India Pvt. Ltd. and or its authorised service centers and results of such examination will be final and binding. If, on examination, the warrantable condition is not established, General Motors India Pvt. Ltd. will have the right to charge full, or part, of the cost of such examination and resulting repairs /rectification.
5. In case of acceptance of the warranty under Emission Warranty, General Motors India Pvt. Ltd. will replace, at CHEVROLET Retailers, free of charge, the components which are covered as mentioned in Annexure-II, but the consumables as mentioned in OM shall be charged as per actual applicable rates.
6. In case of a vehicle in which the components covered under Emission Warranty or the associated parts, are not independently replaceable, on

account of their being integral parts of a complete assembly, will have the sole discretion to replace either the entire assembly or by using some of the parts of the system through suitable repairs or modifications.

7. Any consequential repairs or replacement of parts which may be found necessary to establish compliance to In-use emission standards, in addition to the replacement of the components covered under Emission Warranty, will not be made free of cost unless such parts are also found to be in a warrantable condition within the scope and limit of the product Warranty (Chevrolet Spark-3 years / 1,00,000 kms, whichever is earlier). The consumables and labour shall be charged per actual during such repairs or replacement of parts.
8. All the parts removed for replacement under warranty will be the property of General Motors India Pvt. Ltd.
9. General Motors India Pvt. Ltd. will not be responsible for the cost of

transportation of the vehicle to the nearest Authorized Service Center or any loss due to non-availability of the vehicle during the period of a warranty claim and examination by CHEVROLET retailers.

10. General Motors India Pvt. Ltd. will not be responsible for any fines, penalties that may be charged by Statutory or Regulatory authorities on account of failure of the vehicle to comply with the in-use emission standards on the vehicle not meeting any such given legal/ regulatory requirement, during inspection by such authorities.
11. Emission Warranty will be applicable irrespective of the change of ownership of the vehicle provided all the conditions as laid down in this document are met from the date of original sale of the vehicle.

**This Emission Warranty will be applicable only if the customer :**

- (i) Observes all the important instructions and any other precautions listed in the OM for use of the ve-

hicle.

- (ii) Under all circumstances uses lubricants and fuel as recommended by General Motors India Pvt. Ltd.
- (iii) Regularly obtains and carries out maintenance at CHEVROLET retailers as per the list in this booklet only, in accordance with General Motors India Pvt. Ltd. guidelines and enters the details in the Service Booklet.
- (iv) Immediately approaches the nearest CHEVROLET retailers as per the list in this booklet upon discovery of failure to comply with the In-use emission standard inspite of having maintained and used the vehicle in accordance with the instructions in the OM and having carried out such repairs and adjustments as may be required with a view to establish such compliance.
- (v) Produces the 'Pollution Under Control (PUC)' certificate valid for the period immediately preceding the test during which the failure is discovered, the test having been carried out either for obtaining a new

certificate, or pursuant upon being directed by an officer as referred to in sub – rule (2) of Rule 116 of the Central Motor Vehicles Rules.

- (vi) Produces the Service Booklet (owner's Manual) and all relevant bills for verification of details.
- (vii) Produces receipts covering maintenance of the vehicle as specified in the OM from the date of original purchase of the vehicle.
- (viii) Produces valid certificate of insurance & RTO registration.

**Conditions under which warranty is NOT applicable:**

1. Non production/availability of a valid 'Pollution under Control' certificates as described in customer obligation (V).
2. In case the vehicle is not serviced by CHEVROLET retailers as per the list in this booklet as per the service schedule described in the maintenance chart given in the Owner's Manual.

3. A vehicle, which has been subjected to abnormal use, abuses, neglect and improper maintenance or has met with an accident.
4. Use of such replacement parts, which are not specified and approved by General Motors India Pvt. Ltd.
5. If the vehicle or parts thereof, have been altered, tampered with or modified or replaced in an unauthorized manner.
6. A vehicle on which the odometer is not functioning or the odometer has been changed or the reading of which has been changed / tampered with so that the actual mileage cannot be readily determined.
7. A vehicle, which has been used, for competitions, races, rallies or for the purpose of establishing records.
8. Examination by CHEVROLET retailers as per the list in this booklet of the vehicle shows that any of the conditions stipulated in the OM

with regard to use and maintenance have been violated.

9. A vehicle, which has been run on adulterated fuel or lubricant or fuels lubricants other than those, specified by General Motors India Pvt. Ltd.

**Scope and Limits:**

1. This emission warranty is in addition to the product warranty for the vehicle as per the scope and limit described in the OM and all conditions described therein will apply, in addition to those exclusively stipulated in this warranty.
2. The emission warranty covers only compliance with the emission standard as specified in sub rule (2) of Rule 115 of CMVR. It does not cover any other performance of these parts or routine test and consequent maintenance or adjustments to establish compliance to the in-use emission standard as applicable to the state, in which the vehicle is registered and is in use.

## ANNEXURE-I

### Definitions:

1. **Vehicle** : The Motor Vehicle approved for sale within India under the provisions of Central Motor Vehicle Rules, 1989 or any subsequent amendment or substitution thereof.
2. **Owner Manual (OM)** : A document given to the customer at the time of sale of the vehicle giving guidelines on use and maintenance of the vehicle including the terms and conditions of Warranty
3. **Maintenance** : Maintenance as per the schedule provided in the owner's manual by General Motors India Pvt. Ltd.including inspection, verification check, adjustment and replacement, if necessary.
4. **Service Booklet** : The scheduled service record book in Owner's Manual, which is required to be filled by CHEVROLET retailer at the time of service.
5. **Abnormal Use** : The situations when the vehicle is put to use other than that intended by General Motors India Pvt. Ltd. such as racing, overloading or use of adulterated fuel or fuel not recommended by General Motors India Pvt. Ltd.
6. **Manufacturing Defect** : Means deficiency or deviation from normal production tolerance in design, material, or workmanship in a device or system which affects any parameter, performance, or component belonging to emission control system.
7. **Product Warranty** : The manufacturer warranty as provided by General Motors India Pvt. Ltd., which covers failure of various parts and systems as per the Owner's Manual. 3 years / 1,00,000 kms (Whichever is earlier).
8. **Emission Warranty** : Warranty for emission performance of the vehicle as determined by sub-rule (2) of rule no 115 of the Central Motor Vehicles Rules, 1989.
9. **Authorized Service Centers** : Any service facilities authorised by General Motors India Pvt. Ltd. to perform warranty repairs. This shall include all of CHEVROLET retailers that are recognised for service of subject vehicles or any other service center duly authorised by General Motors India Pvt. Ltd.
10. **Warrantable Condition** : Warrantable condition means any condition of a vehicle, which triggers the responsibility of General Motors India Pvt. Ltd. to take corrective action within the framework of emission Warranty. This however shall not include any statutory or regulatory fines or penalties.
11. **Warranted Parts** : Those components, listed as per Annexure-II.



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## ANNEXURE - II

### List of Components Covered under Emission Warranty

S. No.	Part name
1	Catalytic Converter***
2	Exhaust Manifold Gasket
3	Electronic Control Module
4	MTIA
5	Manifold Absolute Pressure Sensor
6	Air Temp. Sensor
7	Oxygen sensor
8	Coolant Temperature Sensor
9	Injectors
10	Knock sensor
11	Exhaust Gas Re-circulation Valve

\*\*\* Catalytic Converter is covered only for emission related failures as provided under the warranty statement. Replacements if any shall not be applicable for breakage and noise problems.

Note : All the above mentioned parts are covered only if the car fails to meet the prescribed Emission norms. Any other performance problems shall be treated as not relevant to the Emission warranty.



# 2 SEATS AND OCCUPANT PROTECTION SYSTEMS

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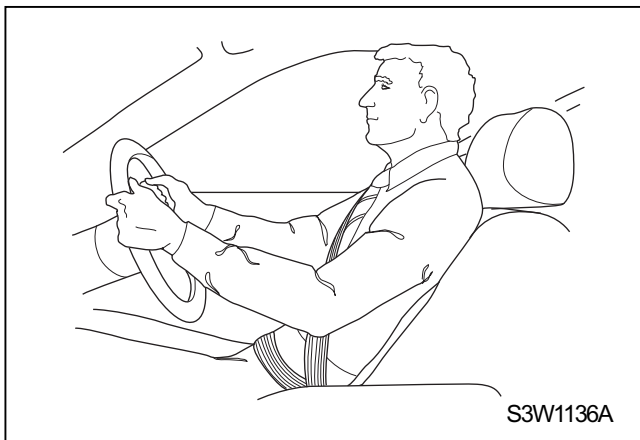
- ALWAYS WEAR YOUR SAFETY BELTS ..... 2-2
- FRONT SEAT OCCUPANTS ..... 2-6
- REAR SEAT OCCUPANTS ..... 2-6
- THREE-POINT SAFETY BELTS ..... 2-6
- CENTER REAR LAP BELT ..... 2-8
- PREGNANT WOMEN AND SAFETY BELTS ..... 2-9
- HEAD RESTRAINTS ..... 2-9
- FRONT SEATS ..... 2-10
- REAR SEATS ..... 2-11
- SUPPLEMENTAL RESTRAINT SYSTEM  
(DRIVER AIR BAG, OPTION) ..... 2-12

## ALWAYS WEAR YOUR SAFETY BELTS!

Occupant protection has been the focus of much private and public research and development for many years. The seat belts are incorporated into the vehicle solely for the protection of the occupants. The safety belts can protect you and your passengers only if they are used.

The safety belt information included here is intended for vehicle occupants of adult size and for older children who have outgrown booster seats.

Be sure that if children are too small to be well restrained by the safety belt system, that they are secured in an appropriate child restraint.



### WHY WEAR SAFETY BELTS?

Safety belts are helpful for several distinct reasons:

- 1) Safety belts attach the occupants to the vehicle so that they will not be ejected during an accident.
- 2) Safety belts attach the occupant to the vehicle so that they can use the space between their pre-crash seating position and the front of the vehicle to slow down to a stop more gradually, as their safety belts stretch and the front end of the vehicle absorbs the energy of the crash by crumpling.
- 3) Safety belts keep the driver in his seat, so that the driver might have a chance to regain control in certain accident situations.
- 4) Safety belts keep occupants from being catapulted into and injuring the driver and other occupants.

### ▲ WARNING

- **Safety belts have been shown to be the single most effective protection against injury or death in a vehicular accident!**
- **As the owner and driver of your vehicle, you must make certain that each occupant is properly wearing the safety belt provided at the seating position.**
- **Pregnant women, injured, and physically impaired persons should also wear safety belts. Like all other occupants, they are more likely to suffer serious injury or death, if they do not do so.**
- **The best way to protect the foetus is to protect the mother.**
- **Why safety belts work, how to wear them, and how to adjust your seat position properly, is explained in this section. Read all of the information provided and always observe these instructions and warnings in order to gain the full benefit of these safety systems.**

## HOW SAFETY BELTS WORK!

*Safety belts cannot work unless they are worn and worn properly.*

Vehicle occupants are injured if the forces applied to the body's structures are greater than the body can tolerate without being injured. If a person's body is stopped abruptly, the forces applied to the body will be high, whereas if the body is slowed down gradually over some distance, the forces will be much lower. Thus, in order to protect an occupant from injury in a crash, the idea is to give the person as much time and distance as possible in coming to a stop.

Imagine a person running at 15 miles per hour (25 km/h) head first into a concrete wall. Imagine a second person running at 15 miles per hour into a wall covered by a 3-foot (90 cm) thick deformable cushion. In the first instance the person could be seriously injured or even killed. In the second, the runner could expect to walk away uninjured. Why? In the first instance, the body hit the non-yielding concrete surface and stopped immediately. All of the energy

the sprinter built up was absorbed by the structures of the body, not by the non-yielding concrete surface. In the second example, the body had exactly the same amount of energy that had to be absorbed as in the first example, but it continued to move into the padding, giving the body additional time and distance to slow down to a complete stop as the padding absorbed the sprinter's energy by deforming.

If a car crashes into a concrete wall at 30 miles per hour (50 km/h), the front bumper of the car stops immediately, but the passenger compartment stops more gradually as the front structure of the vehicle crumples. The belted occupant is held to the seat and gains the advantage of the cushion provided by the crumpling of the front of the vehicle and the stretching of the safety belt webbing. That belted occupant's body slows down from 50 km/h (30 mph) to zero over a distance of 90-120 cm (3-4 feet). That belted occupant also remains properly positioned so that, if the air bag (if provided) deploys in a frontal collision, the occupant might never strike any rigid structures in the vehicle.

The unbelted occupant receives no such benefit. The unbelted person is not attached to the vehicle and so that person continues to travel at the vehicle's pre-crash speed of 30 miles per hour (50 km/h) until striking a hard object at approximately 30 miles per hour (50 km/h) and stopping abruptly. Even in a frontal collision in which the air bag (if provided) deploys, the unbelted front seat occupant remains at greater risk of serious injury or death than the properly restrained front seat occupant.

**▲ WARNING**

***SAFETY BELTS PROTECT***

Accident statistics show that drivers and passengers properly wearing safety belts have a lower risk of being injured and a higher chance of surviving an accident. For this reason, wearing a safety belt is legally required in most countries.

***WEARING THE SAFETY BELT***

Each front seat and each outboard rear seat of your CHEVROLET vehicle is equipped with a three-point safety belt system that is anchored at three locations. All front and rear seat belts are stored and locked by a retractor mechanism. When set in its normal emergency locking mode, the three-point safety belt requires no length adjustment and allows freedom of movement when the vehicle moves at constant speeds.

(Continued)

**▲ WARNING**

However in a sudden or strong stop, or during heavy acceleration or deceleration, the safety belt will lock automatically to restrain the body.

In order to gain the full benefit of a safety belt, you must wear it correctly and position yourself correctly within your seat, as follows:

- Seatback upright (not reclined, to prevent you from “submarining” or slipping out from under the safety belt, and injuring vulnerable body parts in a crash.)
- Occupant sitting upright (not slouched, to properly position the lap and shoulder portions of the safety belt for maximum restraint and minimum injury to soft and vulnerable parts of your body in a crash)
- Safety belt latch plate and buckle securely fastened with a “click” (if the safety belt is not securely latched, it cannot provide any protection; pull on the belt to make sure it is secure)

(Continued)

**▲ WARNING**

- Lap portion of safety belt snug and low on hips and bony pelvis (not abdomen where the restraining belt could cause serious injury in a crash – THIS IS PARTICULARLY IMPORTANT FOR PREGNANT WOMEN)
- Shoulder portion of the safety belts over your outside shoulder and snug against the chest (not under an arm, around your neck, over an inside shoulder or behind your back, and not loose with slack allowing excessive forward movement and injury in a crash)
- Only one occupant per one safety belt (do not allow more than one person in a safety belt; multiple people in a single safety belt can exceed the capacity of the safety belts and people sharing a safety belt can cause crushing and other injuries to each other in a crash)

(Continued)

**▲ WARNING**

- Children in secure child seats (in a crash the forces are too great for an adult to hold onto a child and the adult will crush the child if they share the same safety belt)
- No unbelted occupants (occupants not wearing a safety belt are an injury threat to themselves and to other occupants in the vehicle because in a crash they become a free-flying body that will strike other persons in their path)
- No twisted safety belts (twisted safety belts will not move freely and restrain properly and can cut into the occupants rather than spread the force, thus increasing the risk of injury and death)
- Lock doors (unlocked doors increase the risk of injury and death from external impacts and ejection in a crash)

**▲ WARNING**

- Make periodic checks (while riding in the vehicle, check from time to time to be sure that the lap portion of the belt is snugly across the hips and has not ridden up around the waist and that the shoulder portion is midway over the shoulder and across the chest; properly positioned belts allow the stronger structures of the hips and shoulders to absorb the forces of the belt against the body, while improperly positioned belts may cause neck injury or injury to the vulnerable organs in the abdominal area).
- No hard or breakable objects, between safety belts and body parts (objects such as pens, glasses, etc. in the occupant's pocket or on the cloth can cause injury in the event of a collision)

(Continued)

**▲ WARNING**

- Improper use of a safety belt can cause serious injury. Do not modify the safety belt. Do not add any device which would affect the operation of the safety belt.
- Before you close the door, make sure the safety belt is out of the way. Otherwise, the belt and/or the vehicle body could be damaged.

**▲ WARNING**

If the safety belt goes over an armrest (if so equipped), lap portion of the safety belt could force the occupant's abdomen, not the bony pelvis, in a collision.

- Be sure that the safety belt goes under the armrests.

Failure to follow this can result in injuries or even death in case of a collision.

## FRONT SEAT OCCUPANTS

Each front seat is equipped with adjustable seat and seatback with height-adjustable head restraint and three point lap-and-shoulder safety belts.

## REAR SEAT OCCUPANTS

The rear seat is equipped with two outboard seating positions featuring three-point lap-and-shoulder safety belts and a center seat equipped with a lap safety belt.

## THREE-POINT SAFETY BELTS

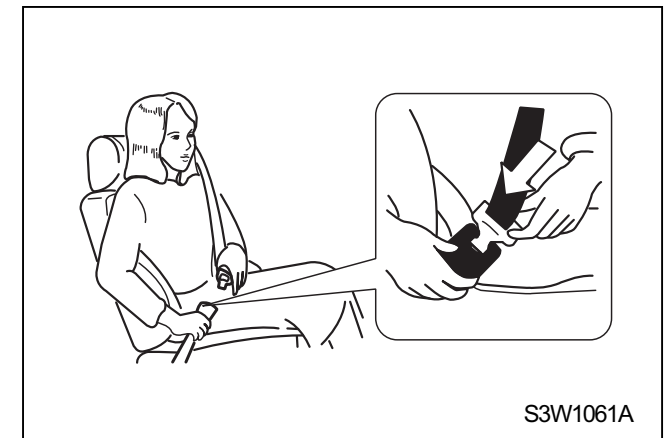
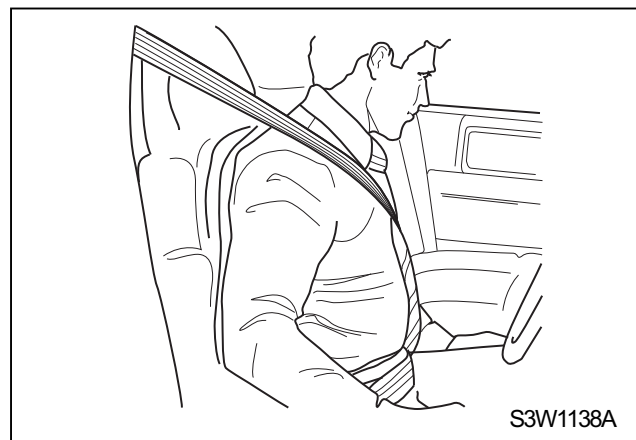
To help reduce the risk of personal injury in collisions or sudden manoeuvres, your CHEVROLET vehicle is equipped with three-point safety belts. The two front seats and the two outboard rear seating positions are each equipped with three-point safety belts. These safety belts are each anchored in three locations to restrain passengers who are properly positioned and wearing the safety belt.

A three-point safety belt set in the ELR / WLR (Emergency Locking Retractor / Webbing Locking Retractor) mode requires no length adjustment and allows the freedom of body movement when the vehicle moves at a constant speed.

However, in the event of a sudden or strong stop, or during heavy acceleration or deceleration, the safety belt will lock automatically to restrain the body.

Always fasten your safety belts correctly:

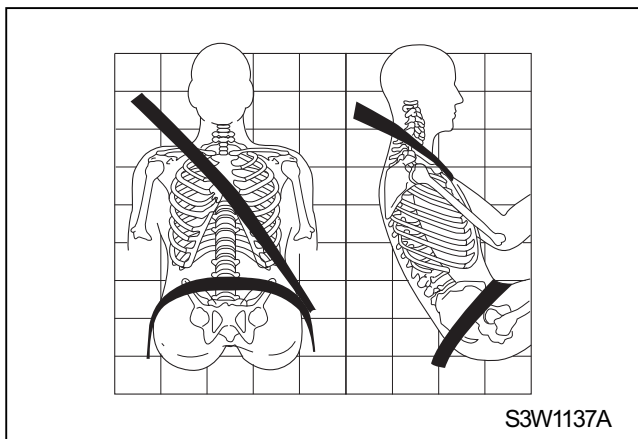
1. Close and lock the doors.
2. Make sure seatback is upright.
3. Pick up the safety belt latch plate and use it to pull the belt across your body. Make sure the belt is not twisted. If the safety belt locks as you are pulling it out, allow it to rewind into the retractor. Pull the safety belt out again to a comfortable and secure length.
4. Position the shoulder belt midway over the shoulder and across the chest. Never place the shoulder belt across the neck. This assures that in the case





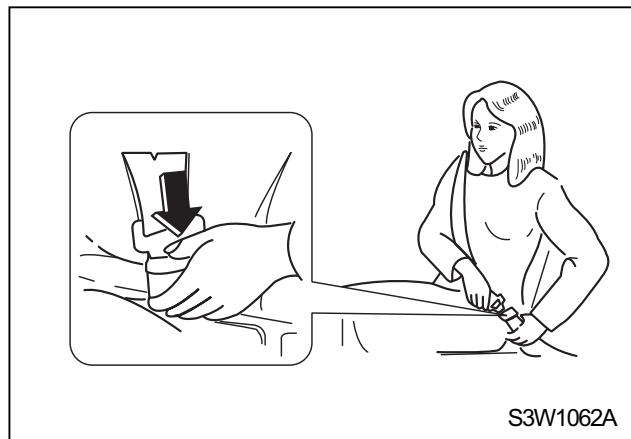
of a collision, the belt applies force to the shoulder bones and keeps the impact away from ribs or neck, helping to avoid serious internal injuries.

5. Wear the lap belt low and snug on the hips, not the waist. This assures that in the case of a collision, the belt applies force to the pelvic bones and not the abdomen, helping to avoid serious injuries.



6. Push the latch plate firmly into the buckle until the mechanism clicks. Make sure you are using the proper buckle. Be sure to position the release button on the buckle so you can unbuckle the safety belt quickly if necessary.
7. Pull up on the latch plate to make sure it is secure.

To remove the safety belt, press the release button on the buckle. The belt will retract automatically. Guide the safety belt as it retracts to prevent the latch plate from damaging interior surfaces or injuring occupants.



### Maintain your safety belts:

1. Periodically inspect all safety belts, related parts, and assemblies. Have these replaced by your CHEVROLET retailer if any safety belts, assemblies or related parts are damaged.
2. You must replace any safety belt or related part that has been stretched or damaged in an accident, even if the stretching or damage is not obvious or visible. Stretched belts and damaged parts do not perform effectively. Replacement of safety belts must be with new belts only.
3. CHEVROLET recommends replacing the entire safety belt assembly after your vehicle has been in a collision. If your CHEVROLET retailer finds that no safety belt damage has occurred and that everything is in proper working order, you need not make any replacement.
4. It is dangerous to operate your vehicle with damaged safety belts or other parts.

## CENTER REAR LAP BELT

To fasten the center rear lap belt:

1. Hold the metal latch plate 90-degrees to the belt and pull belt low across hips.
2. Insert the latch plate into the buckle.

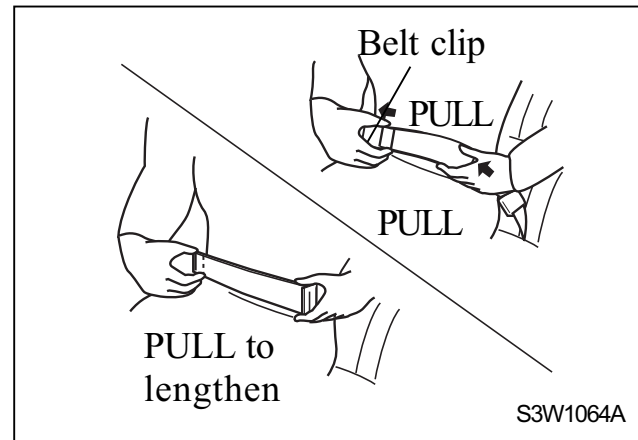
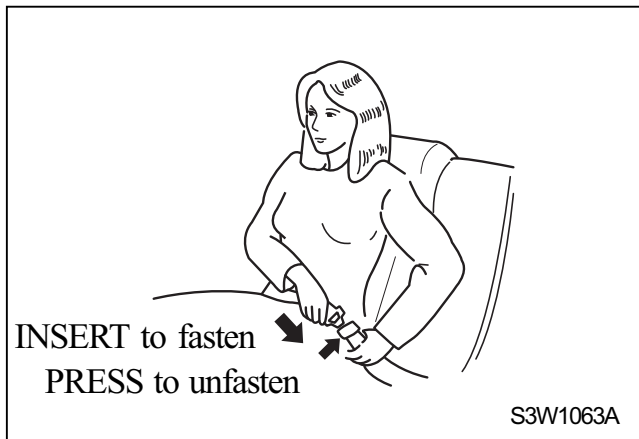
3. Pull free end of belt away from latch plate to tighten belt.
4. Pull on belt clip to take up slack.

To remove the lap belt, press the release button on the buckle.

### **▲ WARNING**

- After a collision, inspect all safety belts and related parts for fraying or other damage. Ask your CHEVROLET retailer to replace any damaged parts.
- It is dangerous to operate your vehicle with damaged safety belts or other parts.

**Failure to make appropriate repairs may result in additional damage to your vehicle or personal injuries.**

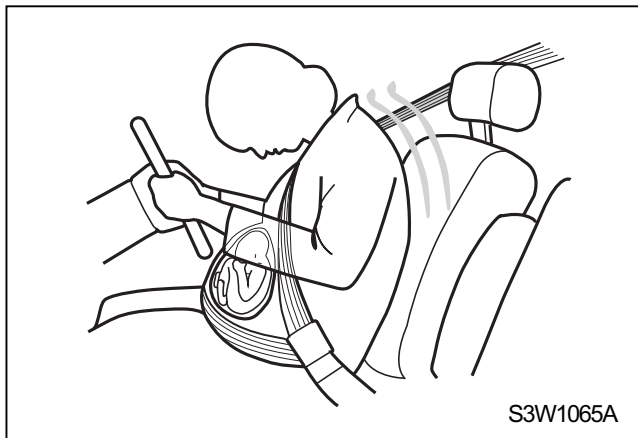


## PREGNANT WOMEN AND SAFETY BELTS

Safety belts work for everyone, including pregnant women.

Like all occupants, pregnant women are more likely to be seriously injured if they do not wear safety belts. In addition, when a safety belt is worn properly, it is more likely that the unborn child will be safe in a crash.

To provide maximum protection, a pregnant woman should wear a three-point safety belt. She should wear the lap portion of the belt as low as possible throughout her pregnancy.



## HEAD RESTRAINTS

Head restraints are designed to reduce the risk of neck injuries in case of a collision.

For maximum protection, slide the head restraint up or down so the top of the restraint is level with the top of your ears.

### ▲ WARNING

**Removed or improperly adjusted head restraints can result in serious head and neck injuries in case of a collision.**

To adjust the front and rear (Option) head restraints, raise the head restraint or push it down while pressing the release button.

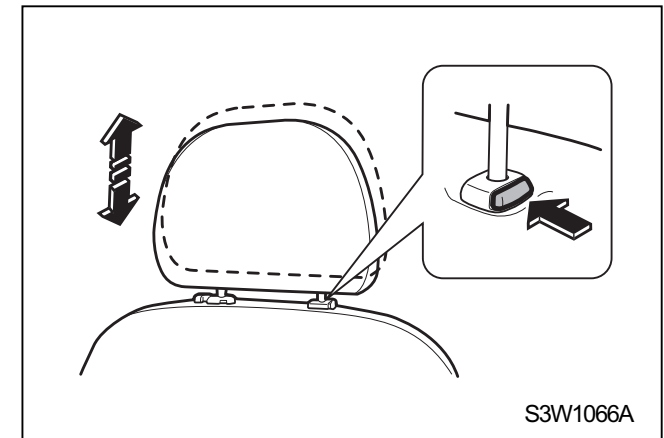
If the head restraint must be removed for any reason,

1. Pull it up to the stop position.
2. While pushing the release button, lift the head restraint from the guide sleeve.

### ▲ WARNING

**Make sure that the head restraint has been put back into place and readjusted before driving.**

3. Replace head restraint and reset it in intended position before driving.



## FRONT SEATS

### FRONT SEAT SLIDE ADJUSTMENT

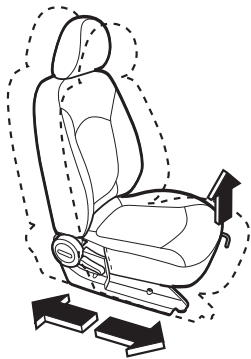
To move the front seat forward or backward:

1. Pull up and hold the lever located under the front side of the front seat.
2. Slide the seat to the desired position.
3. Release the lever and make sure the seat is locked into place.

#### **▲ WARNING**

- **Do not adjust the driver's seat while the vehicle is moving.**

**Driver could lose control of the vehicle and injury or property damage could result.**



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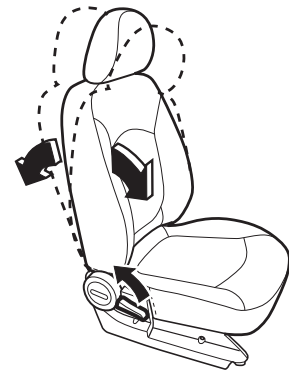
### FRONT SEAT RECLINING ADJUSTMENT

To tilt seatback forward or backward, lift the lever up on the outside of the seat cushion until the seatback is adjusted to the desired position. Release the lever to lock the seatback in place.

#### **▲ WARNING**

- **Do not adjust the driver's seatback while the vehicle is moving.**

**Driver could lose control of the vehicle and injury or property damage could result.**



S3W1068A

#### **▲ WARNING**

**If a crash occurs, front occupants in reclined seats can lose restraining benefits of the seatback and safety belts by sliding out from under the safety belt or by being thrown into the seat belt in an awkward position.**

- **Do not position either front seatback in the reclined position while the vehicle is being operated.**

**Serious injuries, death and ejection from the vehicle can result.**

## REAR SEATS

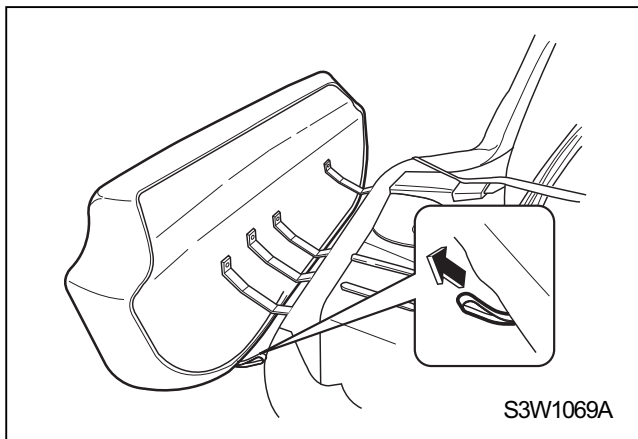
### FOLDING REAR SEATBACK

The seatbacks can be folded down (Option) for additional cargo space.

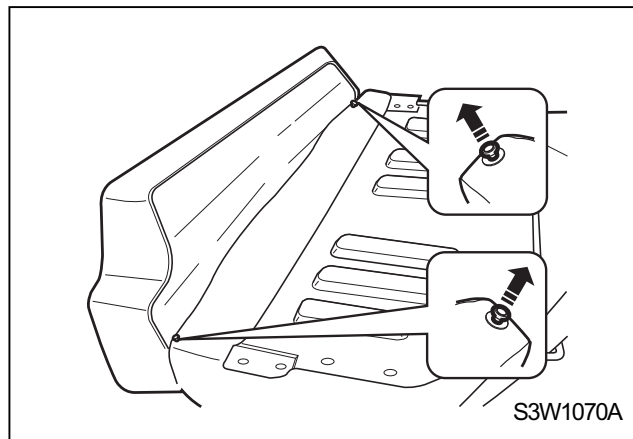
1. To fold the seat cushion, pull the seat cushion up and fold it forward.

You may need to move the front seat forward or raise the front seatback to the upright position in order for the seat cushion to fold forward.

2. To fold down the seatback, lift the release knob on top of the seatback and fold the seatback forward.



▲ WARNING
<p><b>Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion.</b></p> <p><b>Unrestrained luggage or passengers on a folded seatback can be thrown within or ejected from the vehicle in a sudden stop or accident.</b></p>



To return the seat to the passenger position, lift the seatback and push it rearward until it latches. Make sure the seat is locked in place.

To return the seat cushion to its original position, lift it up and push it back into place. Push the front part of the seat cushion down firmly until it latches.

Check to be sure that the safety belts are properly routed and are not twisted.

▲ WARNING
<p><b>Do not pull the release knobs on the top of the seatback while the vehicle is moving. This can cause damage or injuries to the occupants.</b></p> <p><b>Make sure that the seatback and seat cushion, when returned to their original positions, are securely locked in place.</b></p> <p><b>Make sure the rear seat safety belts and buckles are not pinched under the rear seat cushion.</b></p>

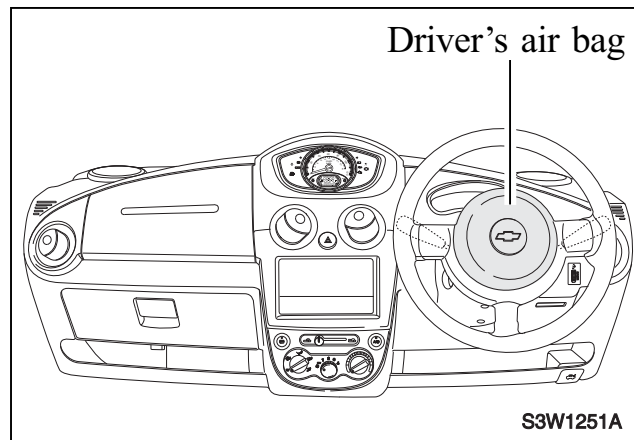
## SUPPLEMENTAL RESTRAINT SYSTEM (DRIVER AIR BAG, Option)

Your vehicle is equipped with an air bag supplemental restraint system (SRS) designed to protect properly seated and restrained driver seat occupant. This is in addition to three-point safety belt and other safety features. The driver air bag is specially packed in a module, from which the air bag is designed to inflate and deploy at extremely high speed and force in the event your vehicle is involved in certain types of collisions which pose a high risk of serious injury or death to the driver.

### DRIVER'S AIR BAG

#### Driver's air bag(option)

The driver's air bag module is located in the center of the steering wheel.



### WARNING

**Driver air bag is only a supplemental restraint, and is most effective in combination with safety belt.**

**All occupants, including the driver, should always wear their safety belts, to minimize the risk of severe injury or death in the event of a crash.**

- **Driver air bag does not deploy in side or rear collisions. Occupants not wearing their safety belts will not be protected by any restraint system, resulting in severe injuries or death in these types of collisions.**
- **Drivers who are not properly wearing their safety belts may be thrown forward by braking before impact, placing their bodies near or against the driver air bag module. This can cause severe injury from the force of driver air bag's deployment.**

### How air bags work

An air bag is designed to keep your head, neck, and chest from slamming into the steering wheel or windshield in a front-end crash. It is not designed to inflate in rear-end or rollover crashes or in most side-impact crashes. Your driver air bag is designed to deploy in crashes that are equivalent to, or exceed the force of a vehicle traveling at a speed of 15 to 23 km/h (9.3 ~ 14.3 mph) crashing into a solid immovable wall.

The air bag system activates during a severe collision which is either frontal or when the impact angle is up to 30° from straight ahead.

This crash severity level at which the driver air bag will deploy was selected to assure inflation of air bag in our vehicles at or below the crash severity at which a statistical risk of death begins for frontal collisions.

In the real world, cars rarely crash squarely into immovable walls; air bags most often deploy when a vehicle collides with an-

other vehicle. The actual speed at which an air bag will inflate may be higher in the real world, because real-world accidents usually involve more complicated multi-vehicle impacts, angled impacts, and incomplete frontal impacts (e.g. sideswipes), and because the object struck is usually not immovable.

#### NOTE

**An air bag can also inflate in moderate to severe non-collision situations (e.g., slamming the undercarriage or other solid component of the vehicle in a dip in the driving surface) where the crash sensors generate a signal equivalent to a crash into a solid immovable barrier at 15 to 23 km/h (9.3 ~ 14.3 mph).**

Driver air bag inflates when a sensor detects a front-end crash of a severity sufficient for air bag deployment. The crash sensor sends an electric signal to initiate the air bag's inflation. A propellant is ignited which rapidly burns inside the air bag module, producing enough nitrogen gas to fully inflate the air bag. The chemical process and nitrogen gas are harmless to the vehicle's occupants. Within 0.045 seconds of the crash detection, the pressure of the inflating air bag splits open the plastic trim covering on the module, which is stored on the inside surface to allow the trim of the steering wheel hub to split open under force.

The air bag fully inflates to create a surface that can catch the forward movement of the driver's head and upper torso. As the driver comes into contact with the air bag, the gas in the bag empties through holes at the base of the bag to soak up the force from the occupant's forward movement.

NOTE
<p><b>Air bag cannot smother you and it doesn't restrict your movement. Air bag has vents, so they deflate immediately after cushioning you.</b></p>

The entire process, from initial contact through the air bag's inflation and deflation, occurs within 0.2 seconds, faster than the blink of an eye. Because the collision is over in a fraction of a second, and vehicles involved in an accident usually come to the final point of rest only one or two seconds after initial contact, the supplemental restraint system must sense the crash and cause the air bag to deploy nearly instantaneously to protect the driver.

### **AFTER THE AIR BAG DEPLOYS**

After the air bag deflates, you may notice a burning smell, smoke, and white powder in the interior of the vehicle. This is normal. The burning smell is from the propellant that was ignited to inflate the airbag. The white powder is cornstarch or talcum or sodium compounds which lubricate the air bag to reduce friction on the air bag during storage and inflation. Although they may cause some skin or eye irritation, these substances are not toxic.

### **SRS SERVICING**

Your Supplemental Restraint System(SRS) is virtually maintenance free.

However, if any of the following occurs, have your SRS serviced immediately by the CHEVROLET retailer.

- Driver air bag has deployed.
- Driver air bag's warning lamp indicates malfunction.



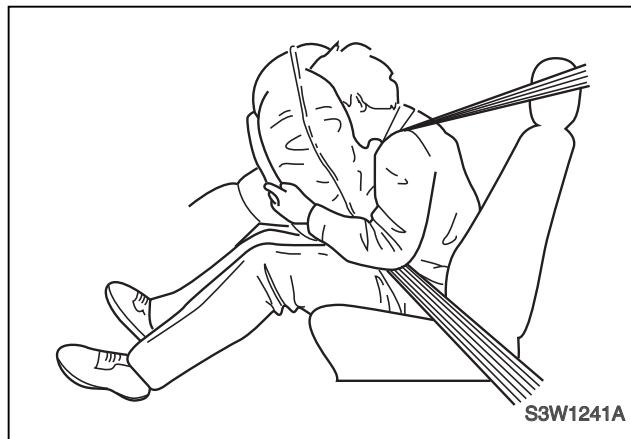
**⚠ WARNING**

- **Do not drive your vehicle if the driver air bag has deployed.**
- **Do not try to repair, alter, or dispose of the driver air bag yourself.**
- **Air bag is installed under high pressure with sophisticated crash sensing and air bag inflating systems. Allowing an untrained and unauthorized person to handle an air bag can lead to serious injuries and death.**
- **Contact CHEVROLET retailer immediately if your vehicle's driver air bag has deployed, if damage occurs to your vehicle at or near the driver air bag module, or if you believe for any reason that the operating condition of driver air bag has been impaired.**

**Driving a vehicle after an air bag has deployed without authorized service can result in severe injuries and death.**

**HOW AIR BAG PROTECTS DRIVER**

Drivers are usually injured in a collision because their bodies are thrown into a stationary object, either inside the vehicle, such as the steering wheel, instrument panel or windshield, or outside the vehicle, such as the driving surface or a tree. Severe injuries also occur by drivers being jolted by the forces of the crash, even without body contact with a stationary object or surface.



All of these injuries are caused by the force created by the collision as the vehicle is brought to a sudden stop. The time and distance which a vehicle is allowed in slowing or stopping in great part determines the severity of a collision's effect on the driver. For example, when a vehicle brakes to a stop at a red light, the driver's body is forced forward. This is because both the vehicle and its driver are initially traveling at the same speed. The brakes slow the vehicle, and the driver continues to move forward somewhat inside the vehicle. However, properly positioned and restrained drivers are rarely injured when a vehicle comes to a stop by even sudden and hard braking. This is because even hard braking allows a comparatively long time and distance for the vehicle to stop. The safety belts and the driver's strength are generally sufficient to safely counteract the force of a braking stop.

In a crash, a vehicle may go from highway speed to a full stop in a fraction of a second and in a distance of less than one foot. This extremely short stopping time and distance greatly increases the force placed upon the driver. No person has the strength or reflexes to counteract this force. Even driver properly positioned and wearing safety belt will find his head, upper torso, arms, and hips thrown forward at the speed the vehicle was traveling before impact. In moderate to severe frontal collisions, even occupants wearing safety belts can sustain internal brain and organ injuries without the occupant's head or torso hitting any stationary objects or surfaces.

Air bag provides additional stopping time and distance for the head and upper torsos of drivers in moderate to severe frontal or near-frontal collisions. This additional time and distance can save lives and prevent serious injuries.

### **HELP YOUR AIR BAG TO PROTECT YOU!**

Besides their lifesaving benefits, the air bag system also poses some moderate risks.

Because an air bag inflates with considerable force, speed and suddenness, the air bag supplemental restraint system will be safer and more effective if the driver is properly positioned in the vehicle.

### **WARNING**

#### **Essential Air Bag Safety Rules:**

- **Always wear your safety belts, even if your vehicle is not equipped with an air bag.**
- **Move your seatback rearward as far as is comfortable and safe, tilt the seatback slightly and sit against the back of the seat.**
- **Do not place objects on, over or near the air bag module. They can become projectiles during inflation, causing severe injury.**
- **Do not lean forward or rest any part of your body on the trim covering the air bag module.**
- **Do not drive with the steering column tilt adjusted fully upward.**

**Severe injury and death can result from failing to observe these air bag safety rules.**

### **Proper positioning of driver seat occupant.**

Driver seat occupant can also improve his safety and the effectiveness of the air bag by using proper seating positions.

For the best seating position of adults and teenagers:

- **Wear the three-point safety belts at all times.**

All occupants, including the driver, should always wear their safety belts whether or not an air bag is also provided at their seating position to minimize the risk of severe injury or death in the event of a crash.

Air bags does not deploy in rear and side-impact collisions. Occupants not wearing their safety belts will not be protected by any restraint system, resulting in severe injuries or death in these types of collisions.

Occupants who are not properly wearing their safety belts may be thrown forward by braking before impact, placing their bodies near or against the air bag module. This can cause severe injury from the force of air bag's deployment.

- **Move the back of the seat rearward as far back as is comfortable and safe.**

Positioning your seat farther away from the air bag module will not decrease the effectiveness of the air bag. Greater distance from the module means greater protection from the air bag's forceful and sudden deployment. Never move the driver's seatback so far as to impair the driver's ability to comfortably reach the steering wheel, pedals and other instrument and controls.

- **Tilt the safety belt slightly and do not lean forward.**

Tilt the seatback slightly, and sit with your back against the back of the seat. Do not lean or otherwise position your body close - within 15 cm(6 inch) - to the air bag module. Do not rest any part of your body on or near the plastic trim covering the air bag module (the hub of the steering wheel). Try to keep your head and body more than 25 to 30 cm (10 to 12 inches) away from the air bag. More distance is safer.

 **WARNING**

**To perform well, an air bag must deploy quickly. The force is greatest in the first 5-8 cm (2-3 inches) after the air bag bursts through its cover and begins to inflate. Those 2 to 3 inches immediately after the air bag bursts through its module cover and begins to inflate are the risk zone.**

- **If an driver's body is in this risk zone when the air bag deploys, severe injury or even death could result.**
- **The force decreases as the air bag inflates farther from the module cover.**
- **Greater distance from the air bag module means greater safety when the air bag deploys.**

- **Do not place objects, children or pets between you and the air bag module.**

Your vehicle's air bag module is located on the steering wheel. Placing objects on, over or near the plastic trim covering the air bag module could cause those objects to be propelled by the inflating air bag into your face and torso causing serious injury.

**NOTE**

**The fact that your vehicle may be severely damaged and the air bag did not inflate or the fact that the vehicle is relatively undamaged and the air bag did inflate does not necessarily mean that there is something wrong with your air bag system. The crash sensors detect the severity of the crash, not the amount of damage to the vehicle.**

# 3

## INSTRUMENTS AND CONTROLS

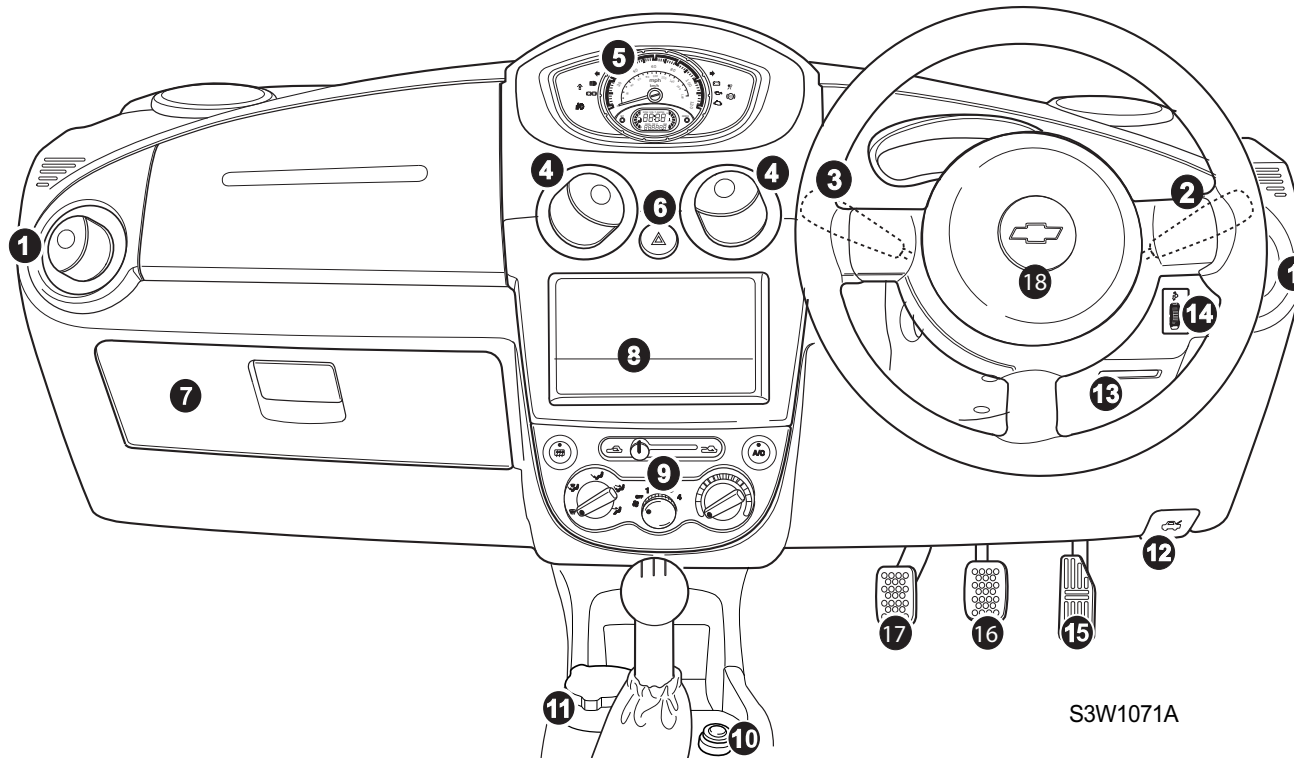
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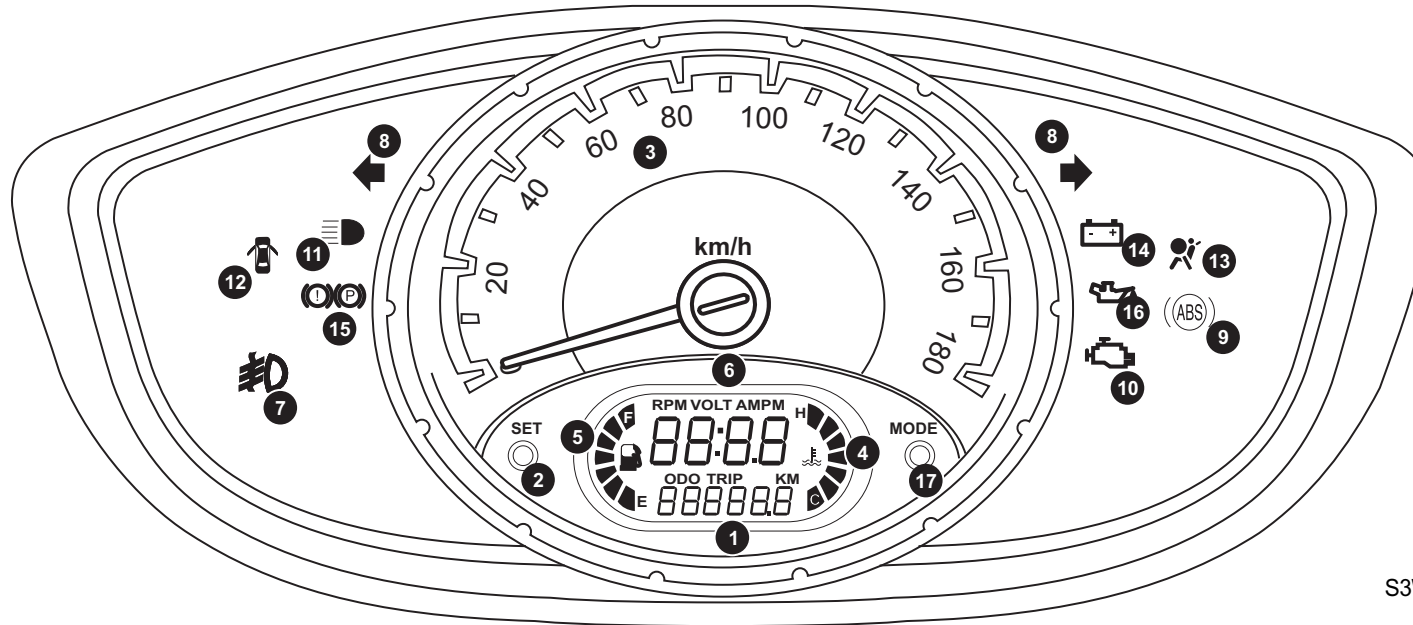
## QUICK VIEW – INSTRUMENTS AND CONTROLS



S3W1071A

- |  |   |                              |
|--|---|------------------------------|
| 1. Side Vent   | 7. Glove Box                                    | 13. Card Holder (Option)     |
| 2. Wiper & Washer Control Lever                            | 8. Deposit tray                                 | 14. Headlamp Leveling Switch |
| 3. Exterior Lights Control Lever                           | 9. Heating and Air Conditioning System (Option) | 15. Accelerator Pedal        |
| 4. Center Vent   | 10. Cigarette Lighter (Option)                  | 16. Brake Pedal              |
| 5. Instrument Cluster, Indicator and Warning Lamps Display | 11. Ashtray (Option)                            | 17. Clutch Pedal             |
| 6. Hazard Warning Flasher Switch                           | 12. Hood Release                                | 18. Driver Air Bag (Option)  |

## INSTRUMENTS CLUSTER



S3W1072A

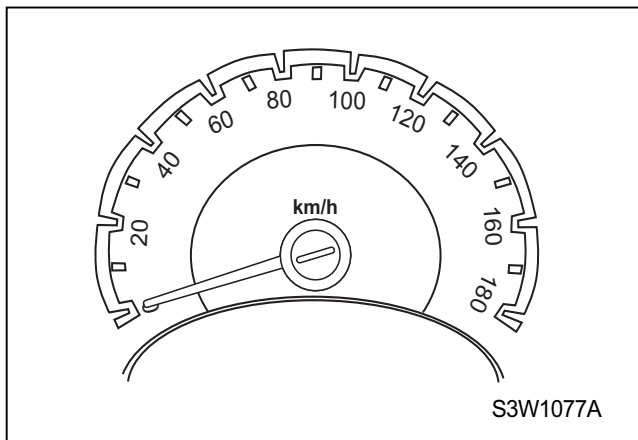
- |                                       |   |   |
|---------------------------------------|---|---|
| 1. Odometer / Trip Odometer           | 7. Front Fog Lamp Indicator (Option)    | 13. Airbag Warning Lamp (Option)                |
| 2. Trip Odometer / Clock Reset button | 8. Turn Signal / Hazard Warning Flasher | 14. Charging System Warning Lamp                |
| 3. Speedometer                        | 9. ABS Warning Lamp (Option)            | 15. Brake System Warning Lamp                   |
| 4. Engine Coolant Temperature Gauge   | 10. Malfunction Indicator Lamp          | 16. Engine Oil Pressure Warning Lamp            |
| 5. Fuel Gauge                         | 11. High Beam Indicator Lamp            | 17. Mode Change Button (Battery, RPM Indicator) |
| 6. Digital Clock                      | 12. Door Ajar Warning Lamp              |   |



## SPEEDOMETER

The speedometer displays the vehicle's speed.

The reading will be indicated in metric units of km/h (kilometers per hour).

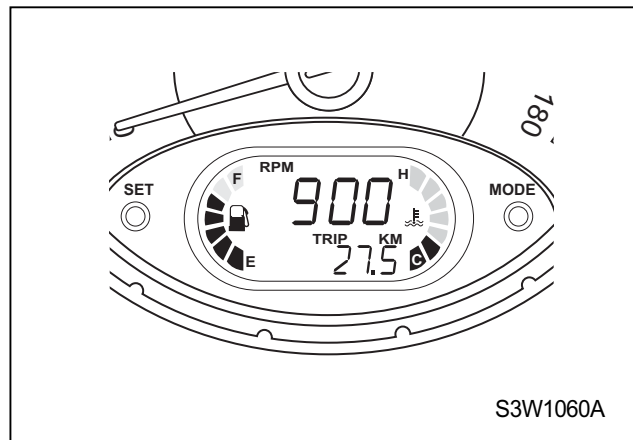


## DIGITAL TACHOMETER

The tachometer indicates engine speed in revolutions per minute (rpm). Never operate the engine at higher rpms (above 4500 rpm).

### ⚠ CAUTION

**Excessive engine speed can damage the engine. This could result in costly repairs.**

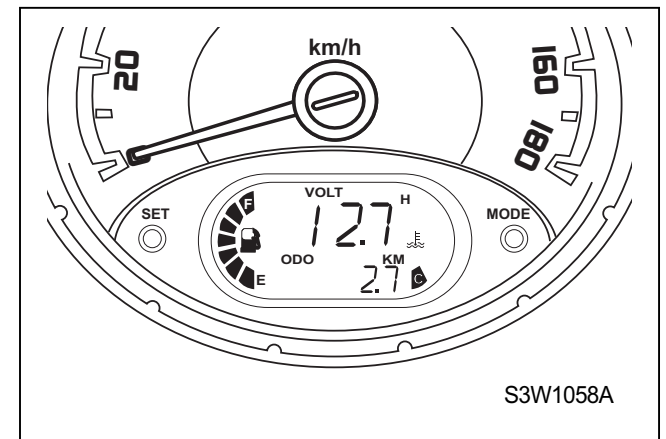
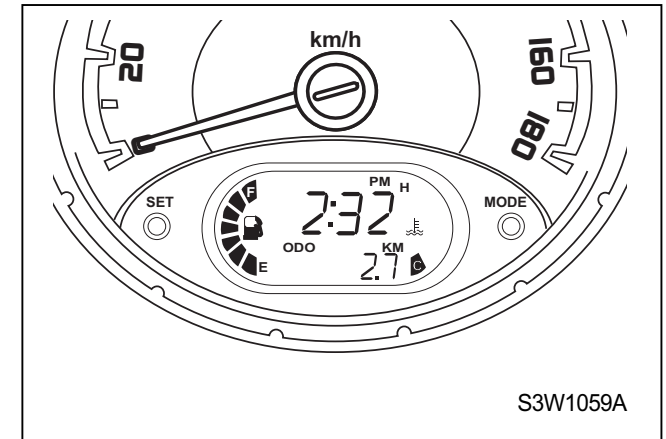


## DISPLAY SELECTION THROUGH MODE SWITCH & SET SWITCH

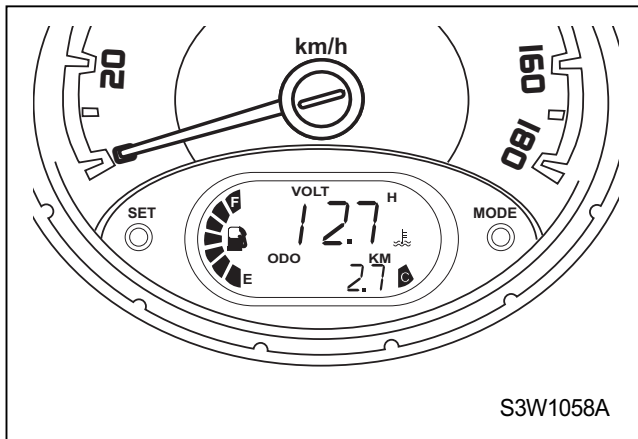
Sl. No.	Current Display	Mode Push Button	Set Push Button
1	CLOCK, ODO	Display Changes to Battery Voltage & ODO	Refer Clock mode settings
2	Battery Voltage, ODO	Display Changes to RPM/CLOCK* & TRIP	
3	RPM/CLOCK* & TRIP	Display Changes to Clock mode & ODO	Refer TRIP Distance

\* The asterisk signify an item of equipment that is not included on all vehicle variants.

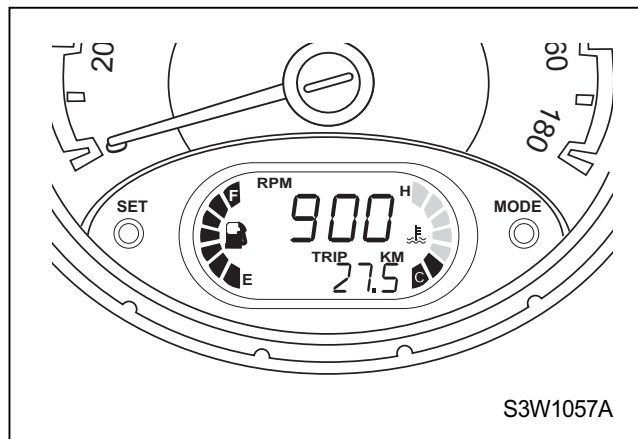
Mode button pressed once changes the current Clock & Odometer display (S3W1059A) to Battery voltage and odometer display (S3W1058A).



Mode button pressed once again changes the current Battery voltage and odometer display (S3W1058A) to RPM/Clock\* & Trip display (S3W1057A).



S3W1058A



S3W1057A

Again pressing Mode button will change to the initial Clock & Odometer display.

## DIGITAL CLOCK (OPTION)

When the ignition switch is turned to ON position, the digital clock displays the time.

Press set knob for 3 Seconds. The clock will start flashing indicating that it has entered into “clock setting mode”. By pressing set switch within 1 Sec again, hours indication flashes. By Pressing the set switch again minutes indication flashes.

Hours and minutes displayed can be adjusted by pressing the mode switch for 1 second or more.

While adjusting hours, the AM & PM automatically changes after every 12 hour display.

While the number is flashing, if no button is pressed for 5 Seconds, current displayed value is stored & display stops flashing & it enters into clock mode.

Clock Display start at 1:00 by default.

## TRIPMETER SETTING

By pressing mode switch, Trip meter will be displayed .

Holding set button for over 1 sec, the trip meter can be reset to Zero.

## DIGITAL FUEL GAUGE

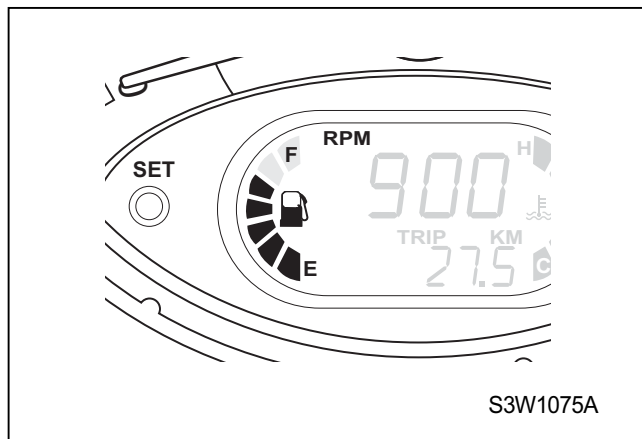
Indicates how much fuel remains in the fuel tank when the ignition switch is on.

- 1 Bar, E & Symbol Flashing with 1 Hz (Slow flash or 1 flash per second) -----  
--- **Fuel level 4.3L to 5.0L.**
- 1 Bar, E & Symbol Flashing with 2 Hz (fast flash or 2 flash per second) -----  
--- **Fuel less than 3.2L & will keep blinking with 2 Hz till empty stage.**

After adding fuel and restarting the engine, the fuel gauge changes to show the new fuel level.

**Movement of the fuel within the fuel tank causes the fuel gauge to change when you brake, accelerate or turn.**

- Fuel tank capacity: 38 liters

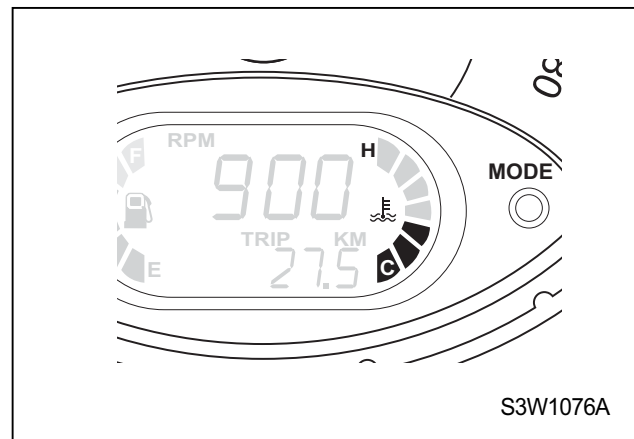


## DIGITAL TEMPERATURE GAUGE

Indicates engine coolant temperature when the ignition switch is turned ON.

**▲ CAUTION**

- **When temperature is high all the 7 bars on temperature gauge will be displayed and H & Temperature symbol will be flashing.**
- **Do not continue to drive your vehicle if the temperature gauge is in the hot zone. This means your engine is overheating.**



## INDICATOR AND WARNING LAMPS

Your vehicle is equipped with a no. of warning lamps.

These warning lamps turns ON when there may be or there is a problem with one of your vehicle's functions. Some warning lamps come on briefly when you turn the ignition key ON just to let you know they're working properly.

Location of the warning lamps and indicators is on the instrument panel, above the steering column.

## ENGINE OIL PRESSURE WARNING LIGHT

This lamp should come on when the ignition is on but the engine is not running, as a check to show you it is working properly.

The lamp should go out after the engine starts.

If the engine oil pressure warning lamp comes on while driving, your engine oil pressure may be dangerously low. Stop the engine immediately and check the oil level.

### ▲ CAUTION

- **Do not drive with the engine oil pressure warning lamp on.**

**Driving your vehicle with low oil pressure can result in costly damage to your vehicle.**

If the oil level is low, add the specified engine oil to the proper level.

If the oil level is normal, have your nearest CHEVROLET retailer check your vehicle's lubricating system.

## CHARGING SYSTEM WARNING LAMP

The lamp should come on when you turn the ignition ON. The lamp should go out when you start the engine.

### ▲ CAUTION

- **Do not drive your vehicle if the charging system warning lamp is always on.**

**Driving your vehicle while its charging system is malfunctioning can cause damage to the vehicle.**



S3W1078A



S3W1079A

If the charging system warning lamp comes on while you are driving:

1. Pull safely off the road.
2. Stop your vehicle.
3. Make sure the drive belt is not loose or broken.
4. If the drive belt is in proper working order but the charging system warning lamp stays on, there may be a problem somewhere in the charging system.

Take your vehicle to your nearest CHEVROLET retailer for repairs as soon as possible.

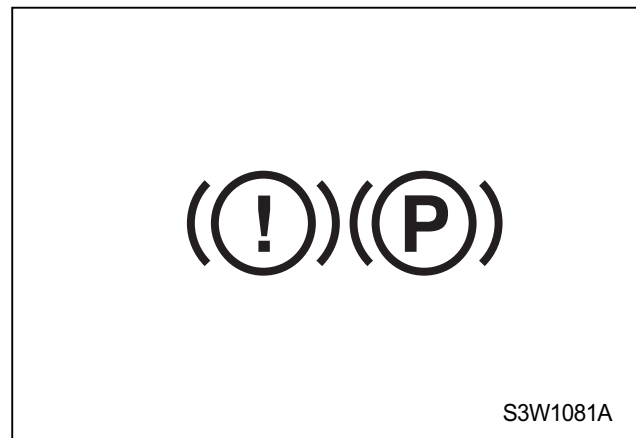
### BRAKE SYSTEM WARNING LIGHT

This light should come on when the ignition is on but the engine is not running, as a check to show you it is working properly.

The lamp should go out after the engine starts.

If the light comes on while you are driving, pull over and stop carefully.

If the light stays on, have the vehicle towed for service. The brake system should be inspected right away.



### ⚠ CAUTION

**Driving with the brake warning light on can lead to an accident. Have the brakes checked immediately if the brake warning light stays on.**

This light also comes on when you set your parking brake while the ignition is on.

The light stays on until the ignition is turned off or the parking brake is fully released.

Make sure the parking brake is fully released before driving the vehicle.

### ⚠ WARNING

**Driving with the parking brake on can cause the brake system to overheat and may result in premature wear or damage to brake system components.**

**Always check that the parking brake is fully released before you begin to**

If the warning light stays on after the parking brake is fully released, it means you may have a brake problem.

Check the brake fluid level.

**▲ CAUTION**

**Do not drive the vehicle if the brake warning light does not come on when the parking brake is engaged and the ignition is on.**

If the light does not come on when the ignition is turned on and the parking brake is engaged, you may have a problem with a bulb.

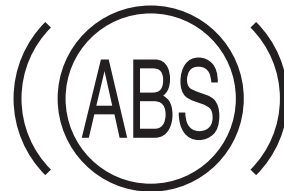
See CHEVROLET retailer for service.

**ABS WARNING LAMP (Option)**

The ABS warning lamp comes on briefly as you turn the ignition ON. This means that the system performs self-checking and the indicator bulb is operating properly. The lamp should go out after about 3 seconds.

Contact your nearest CHEVROLET retailer for repairs if the ABS warning lamp does either of the following:

- Does not come on when the ignition is turned ON.
- Does not go out.
- Comes on while driving



S3W1082A

**▲ WARNING**

- **Do not drive with the ABS warning lamp on.**
- **The ABS warning lamp may mean your brakes are not working properly.**

**Failure to keep your vehicle's brakes in proper working condition can cause a collision resulting in personal injuries and damage to your vehicle or other property.**

If the ABS warning lamp comes on while driving, your vehicle may have an ABS malfunction. Although your vehicle's brake system will operate normally without ABS, have your nearest CHEVROLET retailer check the system and make any necessary repairs as soon as possible.

### AIR BAG WARNING LAMP (Option)

The air bag warning lamp flashes several times when you turn the ignition ON. This means the indicator bulb is operating properly and that your air bag system is functional.

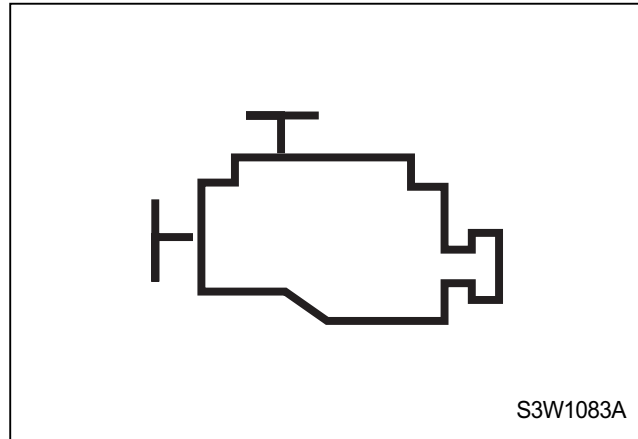


### MALFUNCTION INDICATOR LAMP (MIL)

MIL illuminates as you turn the ignition ON, before you start the engine.

This means that the indicator bulb is operating properly.

The lamp should go out after the engine is started.



### ⚠ CAUTION

- **Do not drive with the malfunction indicator lamp on.**

**The indicator lamp signals that your vehicle has a problem that requires attention. Driving with the malfunction indicator lamp on can damage the emissions control system and can affect the fuel economy and driveability of your vehicle.**

**Consult your CHEVROLET retailer to repair the problem as soon as possible.**

The Malfunction Indicator Lamp (MIL) will illuminate if a fault exists in the emission related components or related sub systems.

It will stay on as long as the Electronic Control Module (ECM) detects the fault. If a severe misfire level is detected, the MIL will blink continuously. Severe misfire can cause catalytic converter damage.

Your vehicle's electronic system will switch to an emergency running program so you may continue to drive.



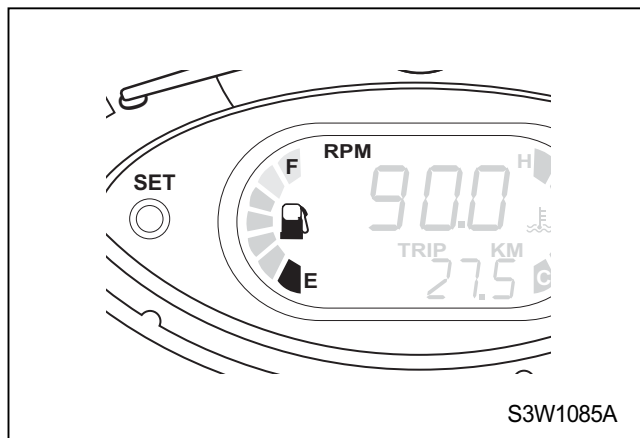
### DIGITAL LOW FUEL LEVEL WARNING LAMP (Option)

The low-fuel level warning lamp will come on when there is approximately 4 liters of fuel remaining in the tank.

#### ▲ CAUTION

- **Do not let your vehicle run out of fuel. This can damage the catalytic converter.**

Fill up the fuel tank as soon as possible when warning lamp comes on.

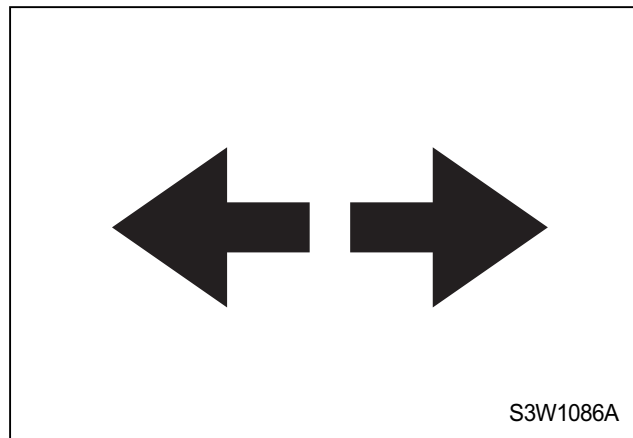


### TURN SIGNAL INDICATORS/HAZARD WARNING FLASHER INDICATORS

Turn signal / hazard warning flasher indicators verify that the exterior turn signals or hazard warning flashers are working properly.

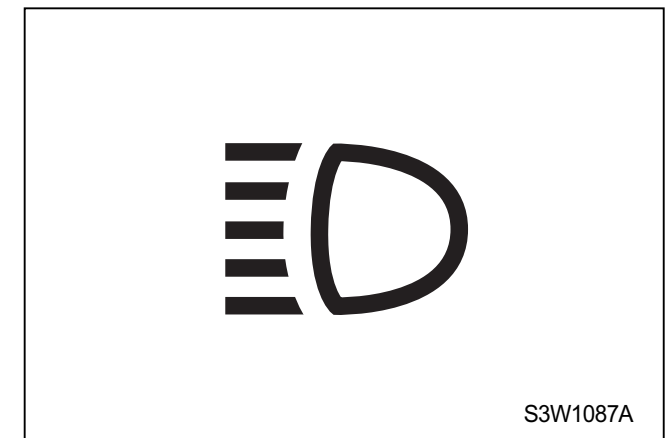
An arrow will flash in the direction of the turn or lane change when the turn signal is activated. Both arrows will flash when the hazard warning flasher is activated.

If the green arrows don't flash when you signal a turn or push the hazard warning button, check the fuse and the bulbs and replace any that are not operating properly.



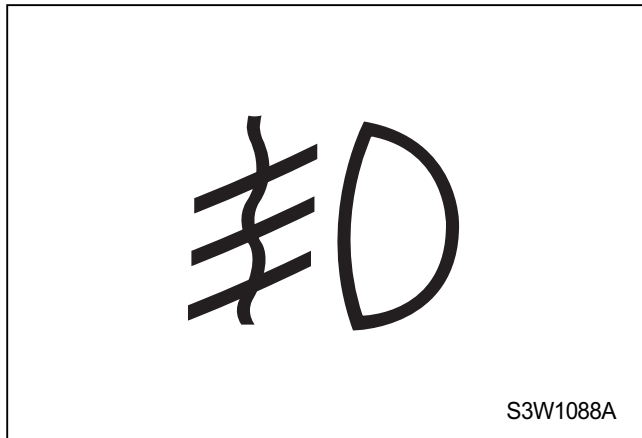
### HIGH BEAM INDICATOR

The indicator lamp turns on when the headlights are set to high beams.



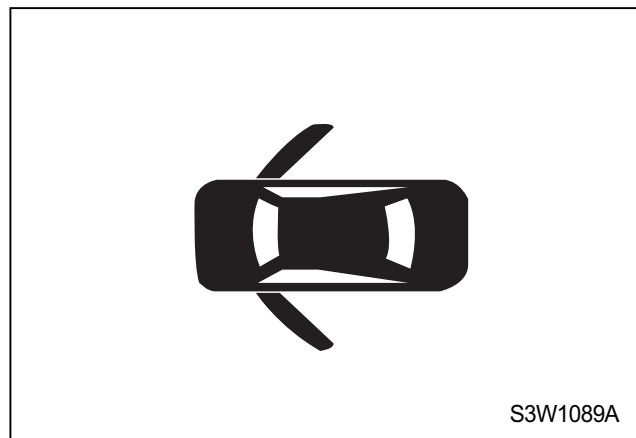
### FRONT FOG LIGHTS INDICATOR (Option)

This light will come on when the fog lights are turned on.



### DOOR AJAR WARNING LAMP

It illuminates when a door is open or not securely latched.



## LIGHTS

### LIGHTS SWITCH

The light controls are located on the exterior lights control lever. The light switch controls these light systems:



- Headlights
- Taillights
- Parking lights
- License lights
- Instrument panel lights

### **▲ CAUTION**

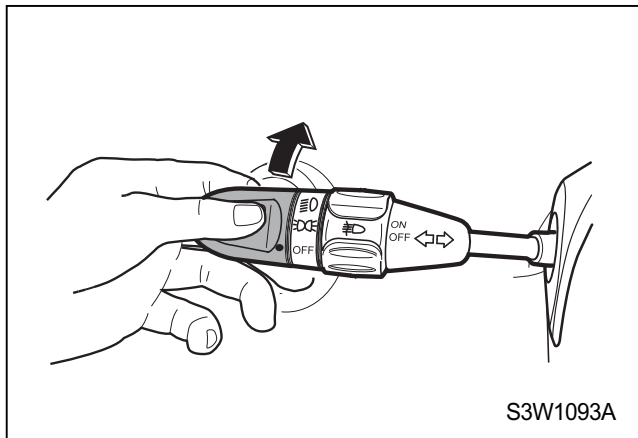
**Make sure all exterior light bulbs, lamps, signaling systems, and warning indicators are clean and working properly to avoid accidents that could result in personal injury or damage to the vehicle.**

To turn the head, tail and parking lamps on or off, twist the end of the combination switch lever.

The light switch has three positions which activate various lamp functions as follows:

- **OFF**: All the lights are off.
-  : The parking lamps, tail lamps, license plate lamps, and instrument panel lamps are illuminated.
-  : The low-beam headlamps and all of the above lamps are illuminated.

The headlamps will turn off automatically when the ignition switch is turned to LOCK or ACC.



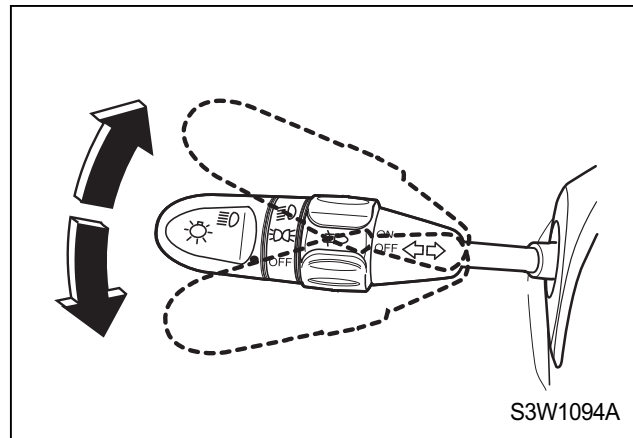
## TURN SIGNAL LEVER

**RIGHT** turn: Move the turn signal lever up.

**LEFT** turn: Move the turn signal lever down.

The turn signal will shut off automatically and the lever will return to its normal position (specific angle dependent) after you have completed the turn.

When changing lanes, move the turn signal lever part way and hold it there. When you release the lever, it will return to its normal position.



An arrow on the Indicator and Warning Lights Display will flash in the direction of the turn or lane change.

If the arrows don't flash, check for burned out indicator bulbs and check the fuse.

### ▲ CAUTION

**These indicators are required for safe driving.**

**Immediately replace any burned out indicator bulbs.**

**Failure to keep the indicators in proper working condition can cause a collision resulting in personal injuries and damage to the vehicle or other property.**

Shorter than usual flashes of the indicator lights mean that exterior turn signal bulbs may be burned out.

If a bulb is burned out, replace it to help avoid an accident.

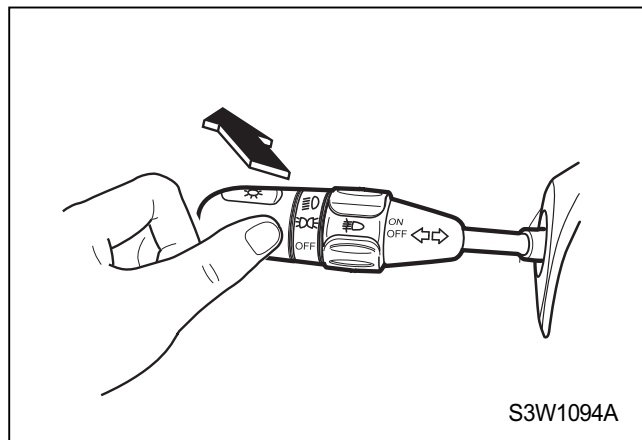
## HIGH BEAM SWITCH

To turn the high-beam headlamps on:

- Make sure the low-beam headlamps are on.
- Push the combination switch lever toward the instrument panel.

The headlamp high-beam indicator illuminates when headlamps are on high beam.

To switch from high-beam headlamps to low-beam, pull the combination switch lever back toward you, to its normal position.



## ⚠ CAUTION

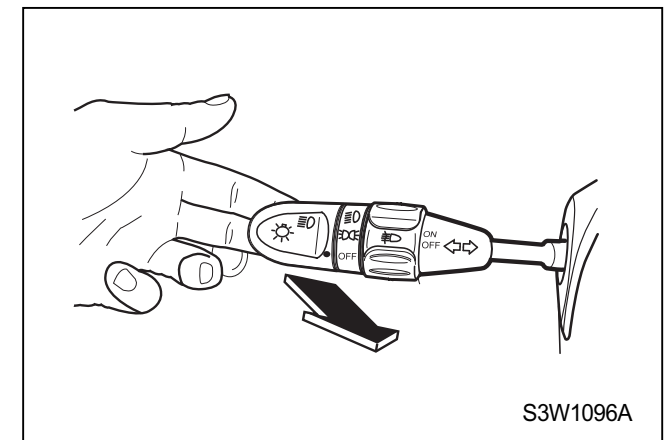
- **Always switch the high-beam headlamps to low-beam when you approach oncoming vehicles or when other vehicles ahead.**

**High-beam headlamps can temporarily blind other drivers, which could result in a collision.**

## PASSING LIGHT SWITCH

To flash the high-beam headlamps, pull the combination switch lever toward you and release it. The lever will return to its normal position when you release it.

The high-beam headlamps will stay on as long as you hold the combination switch lever toward you.



### FRONT FOG LAMP SWITCH (Option)

Fog lamps provide:

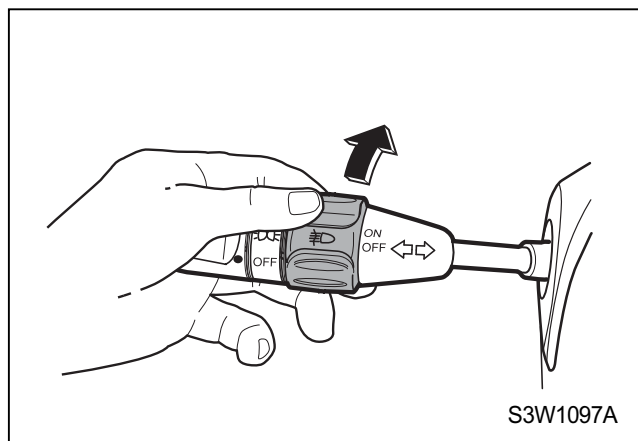
- Extra illumination to the sides of the road ahead.
- Improved visibility in fog or snow.

To turn the fog lamps on:

- Make sure that the parking lamp or headlamps are on.
- Turn the ring on the middle of the combination switch lever to ON.

The fog lamp indicator in the instrument panel illuminates when the fog lamps are turned on.

To turn the fog lamps off, turn the ring to the OFF position.



### HAZARD WARNING FLASHER BUTTON

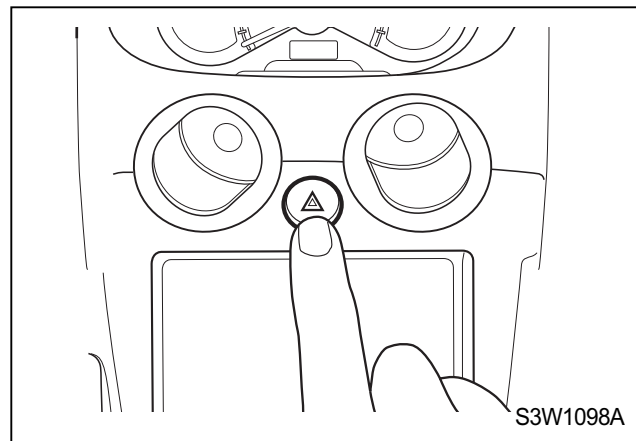
Use hazard warning flashers in the following situations:

- To warn others of emergency conditions.
- When your vehicle is in a traffic hazard.

You can operate the hazard flash function with the ignition ON or OFF.

To activate the hazard warning flashers, push the hazard warning flasher button.

To turn off the flashers, push the button again.



### HEADLAMP LEVELING SWITCH

Your headlights have a 4-position leveling dial located on the instrument panel near the steering column.

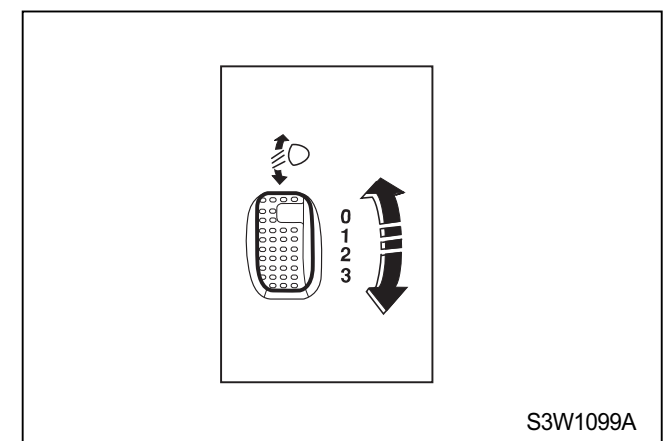
Adjust the dial position according to the vehicle load.

**0:** Front seat occupied

**1:** All seats occupied

**2:** Driver's seats occupied with a load in the luggage compartment.

**3:** All seats occupied with a load in the luggage compartment.



## WINDSHIELD WIPERS / WASHER LEVER

### WINDSHIELD WIPERS

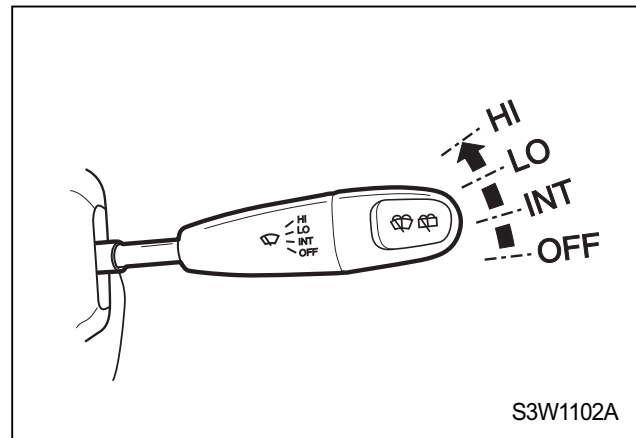
#### ⚠ CAUTION

- **Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property.**
- **Do not operate the windshield wipers when the windshield is dry or obstructed, as with snow or ice. Using the wipers on an obstructed windshield can damage the wiper blades, wiper motor, and glass.**
- **Check blades are not frozen to windows before operating in cold weather. Wiper operation while blade is frozen can damage wiper motor.**

To operate the windshield wipers, turn the ignition ON and move the windshield wiper / washer lever upward.

The windshield wipers operate in the following four positions:

- **OFF:** System off. Default position.
- **INT:** Intermittent operation. Lever up one level
- **LO:** Continuous wipe, slow speed. Lever up two levels.
- **HI:** Continuous wipe, fast speed. Lever up three levels.



S3W1102A

#### NOTE

**Wiper blade will wear out and not wipe properly reducing forward vision.**

- **Replace worn wiper blades.**

#### Misting function

To operate the windshield wipers once in case of light rain or mist, lightly move the windshield wiper /washer lever toward the INT position and release it.

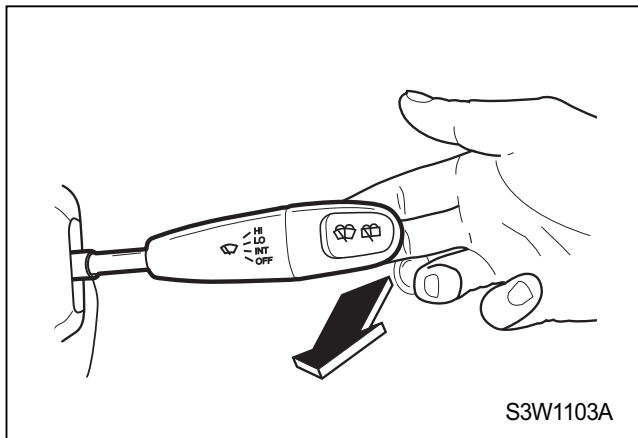
The lever will return automatically to its normal position when released.

The wipers will operate through one cycle.

**WINDSHIELD WASHER****▲ CAUTION**

- **Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property.**
- **Do not spray washer fluid on the windshield in freezing weather.**

**Washer fluid can form ice on a frozen windshield and obstruct your vision.**



To spray washer fluid on the windshield:

- Turn the ignition ON.
- Pull the windshield wiper/washer lever towards you.

When you pull the lever for less than 0.6 seconds, the following happens:

- Washer fluid sprays onto the windshield. (The windshield wipers do not operate)

When you pull the lever for more than 0.6 seconds:

- Washer fluid sprays onto the windshield.
- The windshield wipers operate for two cycles or until you release the lever.

**▲ CAUTION**

- **Do not operate the windshield washer continuously for more than 10 seconds, or when the washer fluid tank is empty.**

**This can cause the washer motor to overheat resulting in costly repairs.**

**TAILGATE WINDOW WIPER AND WASHER (Option)****▲ CAUTION**

- **Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property.**

- **Do not operate the tailgate window wiper when the tailgate window is dry or obstructed, as with snow or ice.**

**Using the wiper on an obstructed window can damage the wiper blades, wiper motor, and glass.**

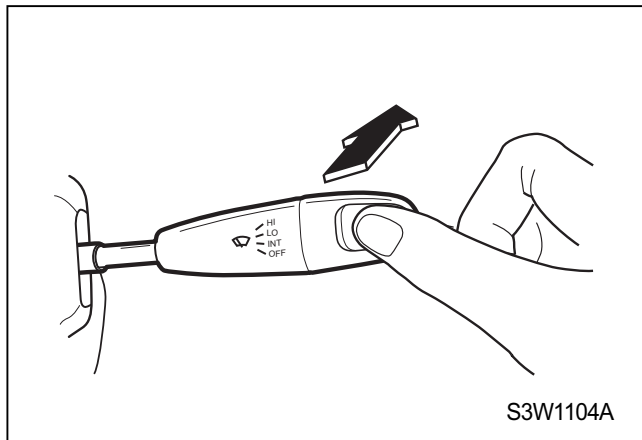
- **Check blade is not frozen to window before operating in cold weather. Wiper operation while blade is frozen can damage wiper motor.**

To operate the tailgate wiper and washer push the lever toward the instrument panel.

In the first position, wiper will operate continuously at slow speed.

To spray the washer fluid, push the lever to the second position.

To Switch off the tail gate wiper, bring the lever back to its original position.



### REAR WINDOW DEFROSTER BUTTON (Option)

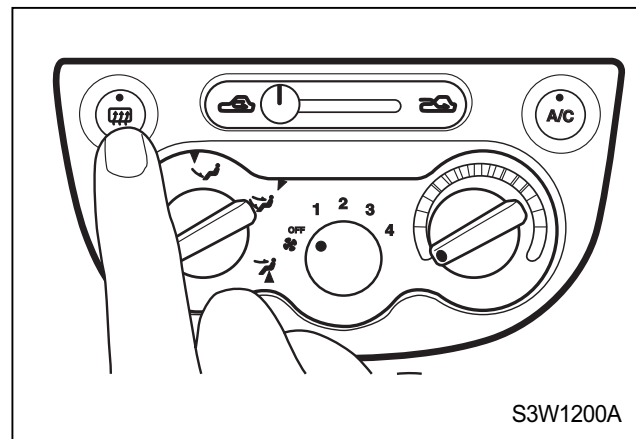
#### ▲ CAUTION

**Do not use the rear window defroster under the following conditions:**

- **Engine is not running.**
- **You are just starting your vehicle.**
- **There is a buildup of snow or ice on the rear window.**

**If you use your vehicle's rear window defroster under these conditions, you may discharge your vehicle's battery.**

**This can damage your vehicle, requiring the replacement of some parts.**



To turn the defroster on, start the engine and push the rear window defroster button. The indicator light in the button will illuminate.

To turn the defroster off, push the button again.

Make sure you turn the defroster off after achieving clear vision.

#### ▲ CAUTION

**Lack of proper maintenance can damage your vehicle's defroster wires or scratch the glass.**

- **Do not use sharp instruments or abrasive window cleaners on your vehicle's rear window.**
- **Do not scratch or damage the defroster wires when you clean or work around the rear window.**

**Less than clear vision for the driver can lead to an accident resulting in personal injuries and damage to your vehicle or other property.**



## WINDOWS

### Manual windows

To raise or lower the windows, rotate the window regulator handle in the door panel.

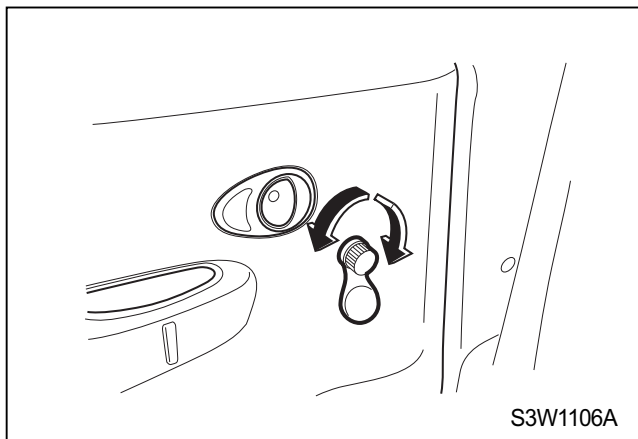
The rear windows do not open fully.

Items can get trapped in windows. Ensure window opening is clear before closing windows.

#### ▲ WARNING

**Unattended vehicle with open windows can assist car crime.**

- Close all windows when leaving vehicle.



### POWER WINDOWS (Option)

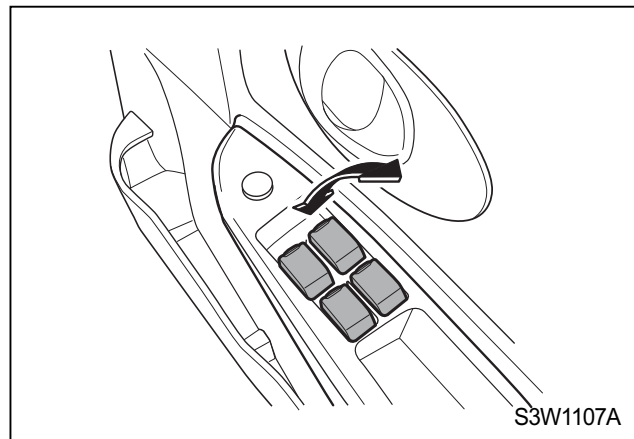
You may operate the power windows when the ignition switch is ON by using the power window switches (if equipped) on each door panel.

#### ▲ WARNING

**Children can operate and become entrapped in power windows.**

- Do not leave your keys or unattended children in your car.

**Serious injury or death can occur from misuse of power windows.**



To raise the window, lift up on the switch.

To lower the window, press down on the switch.

Release the switch when the window reaches the desired position.

#### ▲ WARNING

**Body parts outside vehicle can be struck by passing objects.**

- Keep all parts of body inside vehicle.

#### NOTE

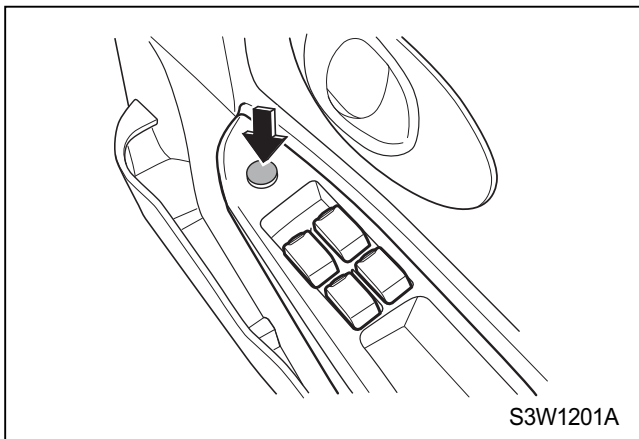
**The rear windows do not open fully. The rear windows is not a standard fitment on all cars.**

### POWER WINDOW LOCK BUTTON

The power window lock button allows you to lock the rear and passenger window buttons. With the lock on, the rear and passenger windows can only be operated from the driver's window control panel.

#### **▲ WARNING**

- Use power window lock when children are in back seat.



### KEYS

Two keys are provided with your new vehicle.

Keep one of the two keys as a spare.

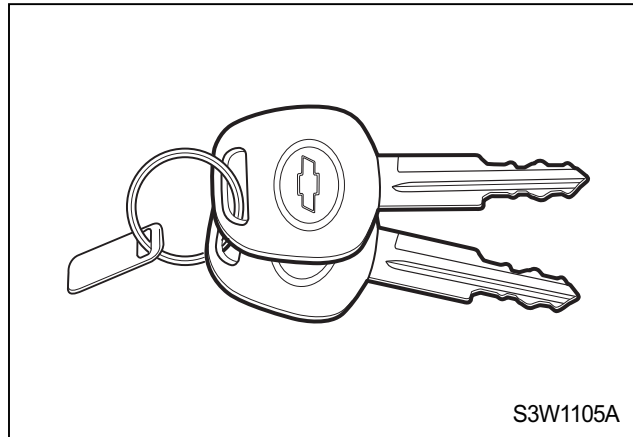
#### **▲ WARNING**

**Do not leave the key in the vehicle.**

- Lock the vehicle.
- Take the key with you.

#### **NOTE**

**In case of loss, replacement keys are available from CHEVROLET retailers.**



### DOOR LOCKS

#### **▲ WARNING**

**The temperature inside vehicle can increase rapidly and reach much higher levels than temperature outside.**

- Do not leave unattended children or pets in your vehicle.

**Death or serious injury can occur.**

**Children can operate power windows, other controls, or move vehicle.**

- Do not leave key in vehicle with children.

**These actions can result in serious injury or death.**

#### **▲ CAUTION**

- Lock all doors and take the key with you when you leave vehicle unattended.

**Unlocked vehicles invite theft.**

## MANUAL DOOR LOCKS

From the outside, use your key to lock or unlock the doors.

From the inside, use the manual door lock to lock and unlock each door individually.

If a front door is open and you use the manual door lock control to lock the door, you must keep the outside door handle raised as you close the door.

## CENTRAL LOCKING SYSTEM (Option)

If your vehicle is equipped with the central locking system, you may lock or unlock all the doors at once.

To use this feature, do any of the following:

- From the outside, use your key to lock or unlock the driver's door.
- From the inside, use the manual door lock on the driver's door.

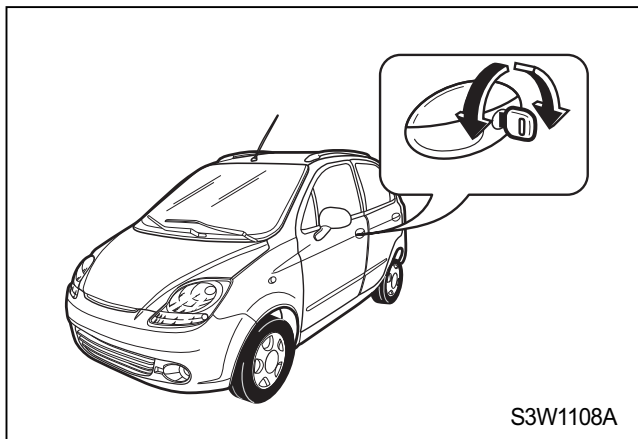
## REAR DOOR SECURITY LOCK

The rear doors are equipped with locks that help prevent passengers, especially children, from opening the rear doors from inside.

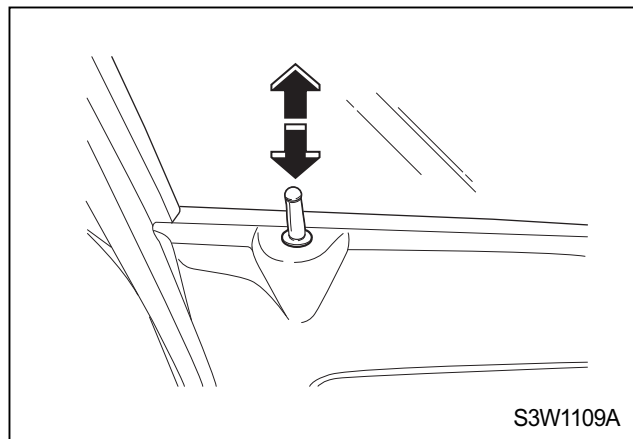
When the security lock is engaged, you can't unlock the door from the inside. But the door can only be opened from the outside.

The locks are located on the edge of each rear door. The door must be open to access the lock lever.

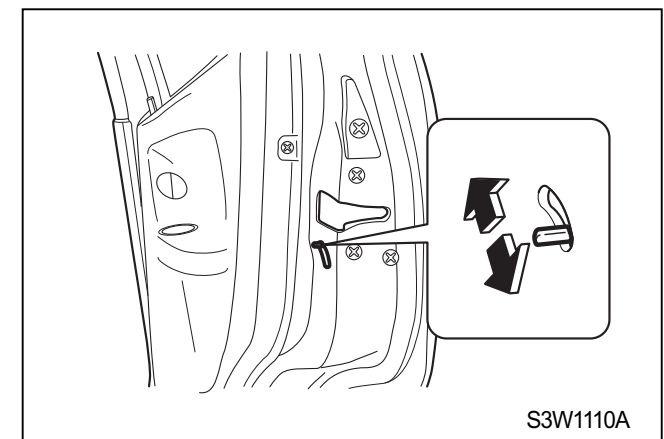
Move the lever on each rear door to the locked position to lock the doors.



S3W1108A



S3W1109A



S3W1110A

To unlock them, open each rear door from the outside and push the lever in the opposite direction.

**▲ NOTE**

**Each rear door has its own lock.**  
**Each rear door child security lock must be activated manually and separately, left and right.**  
**Do not pull the inside door handle when the child security door lock is set to the lock position. This can damage the inside door handle.**

## REAR CARGO AREA

**▲ CAUTION**

**It can be very dangerous to drive with the hatch open. Carbon monoxide (CO) gas can come into your vehicle. You cannot see or smell CO. It can cause unconsciousness and even death.**

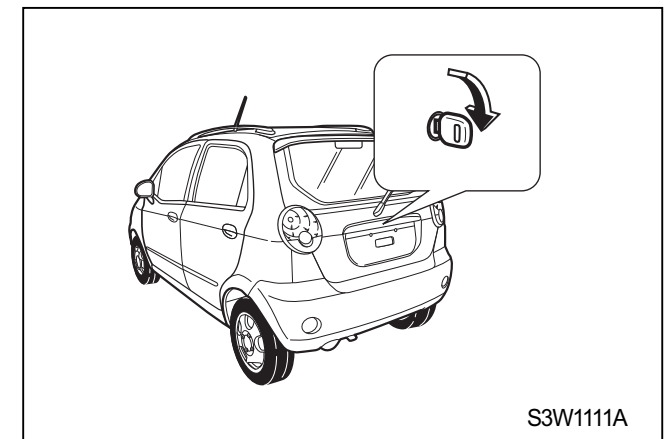
**If you must drive with it open, make sure all other windows are closed and turn the fan on to the highest speed using any setting that brings in outside air. Doing this will force outside air into the vehicle.**

## TAILGATE

From the outside, use your key to unlock the Tailgate.

To close tailgate, push it down so it latches securely. It locks automatically.

Make sure your hands and any other body parts, as well as those of other persons, are completely away from the trunk or tailgate closure area.



S3W1111A

**▲ CAUTION**

**Be sure that tailgate doesn't hit any obstruction such as a standing person or wall, when you open the tailgate.**

**▲ WARNING**

**Driving vehicle with tailgate open can allow exhaust gases to enter passenger compartment.**

- **Do not drive with tailgate open. If you must drive this way then close windows and switch ON 'FRESH AIR MODE', and run blower at high speed.**

**Exhaust gases are usually poisonous and can cause injury or death.**

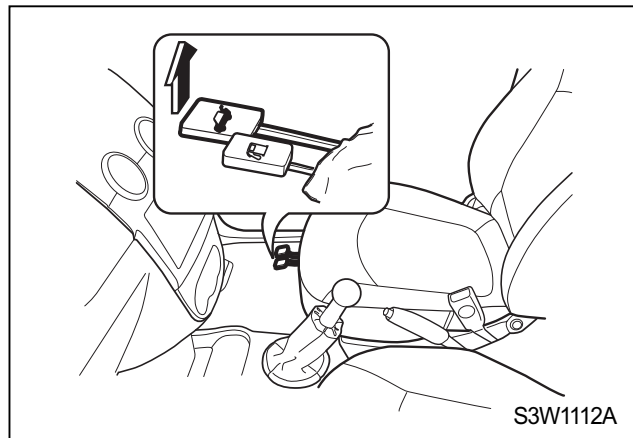
**TAILGATE RELEASE LEVER**

You can also open the tailgate by pulling up the tailgate release lever located near the front right corner of the driver's seat.

**▲ WARNING**

- **Do not operate the tailgate release lever while the vehicle is moving.**
- **Do not operate the vehicle with the tailgate open.**

**An open tailgate obscures your rear view. Operating your vehicle with an obstructed rear view can result in a collision causing damage to your vehicle or other property, personal injury, or even death.**

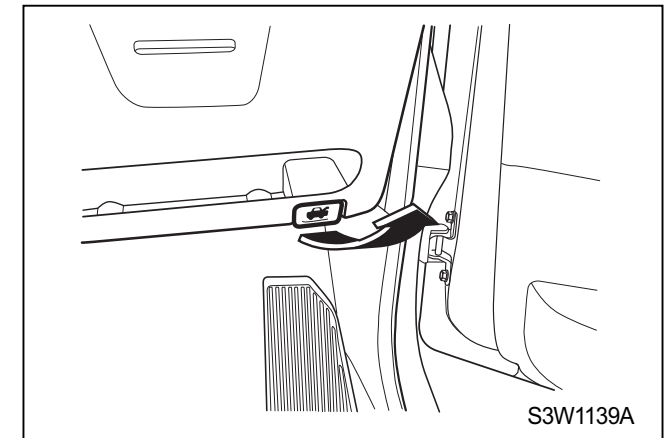


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**HOOD RELEASE**

To open the hood:

- Pull the handle inside the vehicle on the lower, driver's side of the instrument panel.

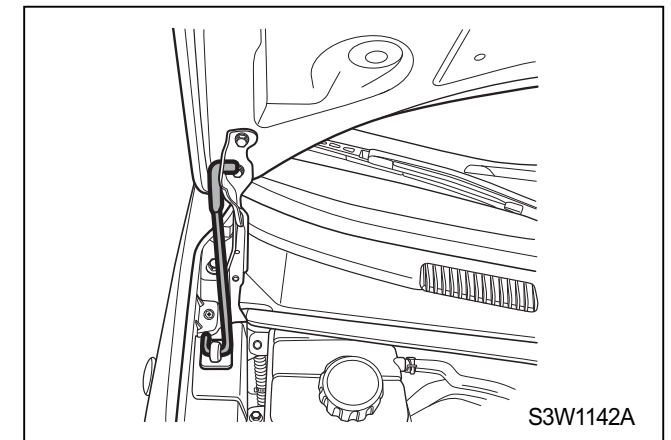
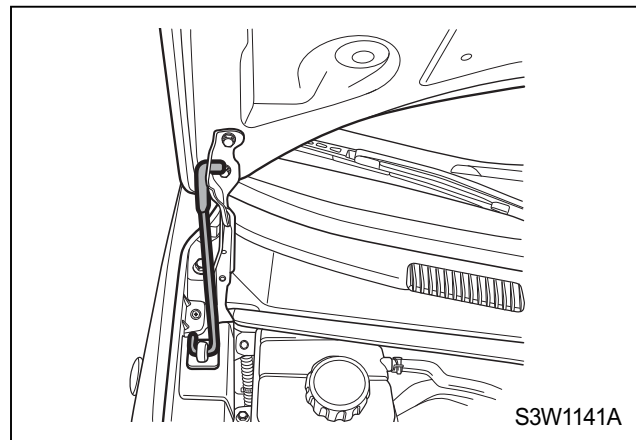
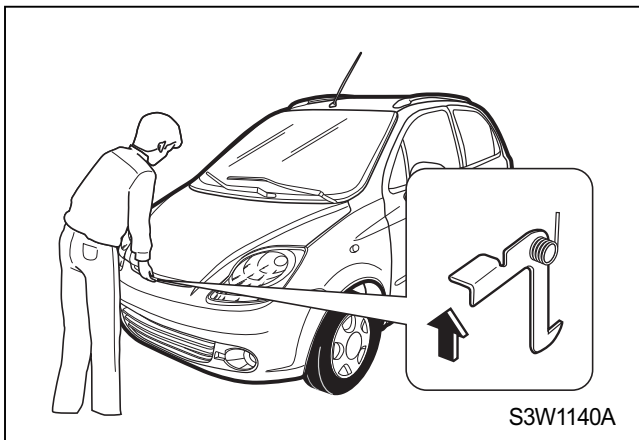


S3W1139A

- Then pull up the secondary latch lever at the front of the vehicle and raise the hood.
- Disengage the hood support rod from the retaining clip.
- Rotate the rod up and insert the free end securely into the socket on the underside of the hood.

To close the hood:

- While holding the hood to keep it from falling, remove the support rod from the socket and secure it firmly back into its retaining clip.
- Make sure hands and other body parts, as well as those of other persons, are completely away from the engine compartment and hood-to-body edges.
- Lower the hood, allowing it to drop from a height of about 30cm.
- Make sure that the hood is securely locked in place.



**▲ CAUTION**

**Pull on the front edge of the hood to make sure it is latched securely before you drive your vehicle.**

**Do not pull the hood release handle while your vehicle is moving.**

**Do not drive the vehicle with the hood open. An open hood will obscure the driver's vision.**

**Operating your vehicle with an obstructed view can lead to a collision resulting in damage to your vehicle or other property, personal injury, or even death.**

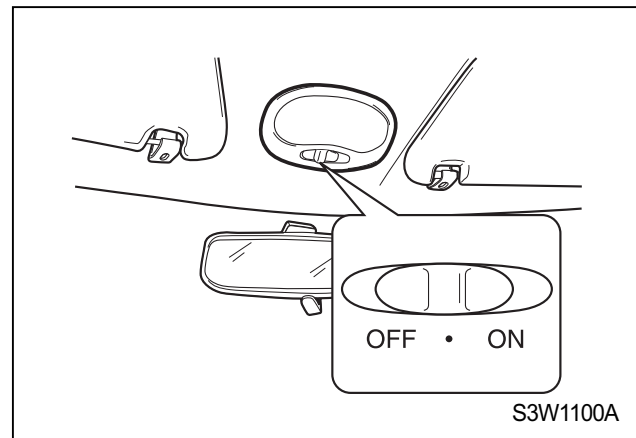
**Be careful not to drop or spill things that will burn onto a hot engine. They could start a fire and you or others could be burned.**

**Fans or other moving engine parts can injure you badly. Keep your hands, hair and loose clothing away from moving parts.**

**DOME LAMP**

The dome lamp operates in three positions:

- **ON:** The lamp comes on and stays on until shut off manually.
- **CENTER:** The lamp comes on when you open a door and off after doors are closed.
- **OFF:** The lamp remains off, even when doors are open.

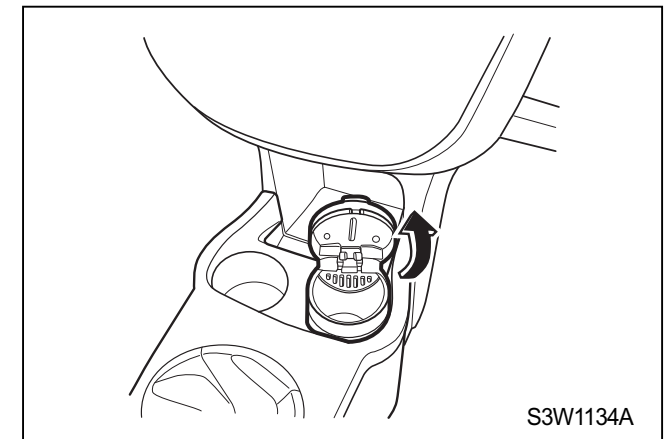
**ASHTRAY (Option)**

The ashtray is removable and fits in the front cupholder. To open the ashtray, lift the cover.

To remove the ashtray, rotate the upper part of the ashtray and then pull the ashtray out.

**▲ CAUTION**

**Do not put papers and other things that burn into the ashtrays. If you do, cigarettes placed in the ashtrays could start them on fire.**



## CIGARETTE LIGHTER (Option)

To operate the cigarette lighter:

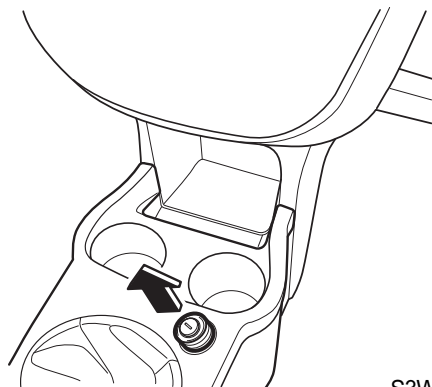
- Turn the ignition switch to ACC or ON.
- Push the lighter in all the way.

The cigarette lighter will pop out automatically when it is ready to use.

### ⚠ CAUTION

**The barrel of an operating cigarette lighter can become very hot.**

**Do not touch the barrel as hot metal can cause personal injuries and damage to your vehicle or other property.**



S3W1135A

### ⚠ CAUTION

**Overheating the cigarette lighter can damage the heating element and the lighter itself.**

- **Do not hold the lighter in while it is heating.**

**This can cause the lighter to overheat.**

### ⚠ CAUTION

**Trying to operate a malfunctioning cigarette lighter can be dangerous.**

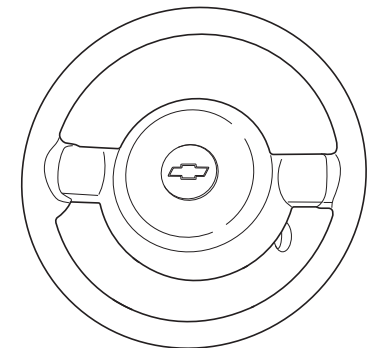
- **If the heated cigarette lighter does not pop out within 30 seconds, pull it out and ask your retailer to repair it.**

**It can cause injuries and damage to your vehicle.**

## HORN

To operate the horn, press the center pad of steering wheel of the vehicle.

The horn will sound regardless of ignition switch position.



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## STORAGE

### GLOVE BOX

The glove box can be used to store small items.

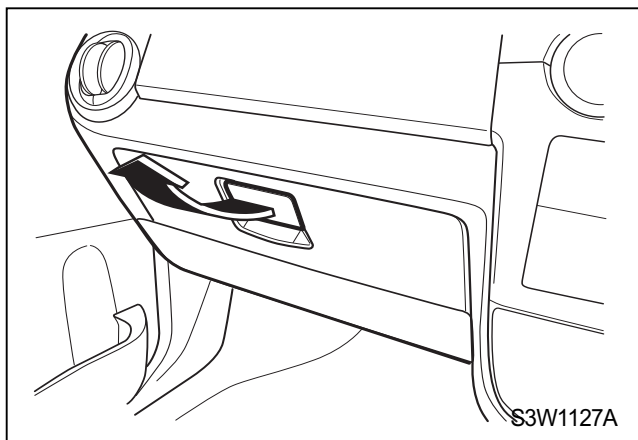
To open the glove box, pull upward on the bottom of the handle on the glove box door.

To close the glove box, firmly push the glove box door shut.

#### **▲ CAUTION**

**In the case of a collision or a sudden stop, an open glove box can cause personal injuries or damage to your vehicle.**

**Do not drive with the glove box open.**



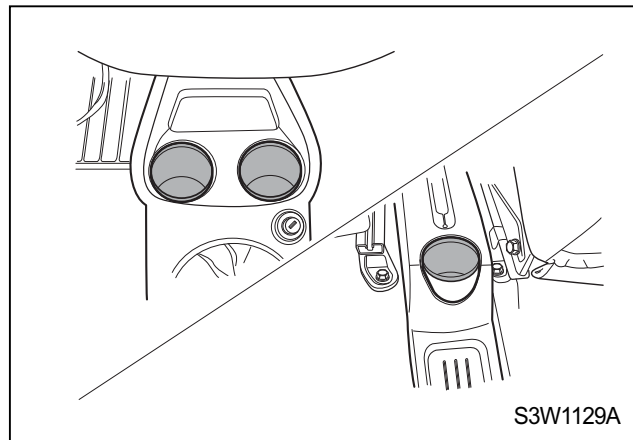
### CUP HOLDERS

There are two cupholders at the front of the center console.

There is also a cupholder for the rear seat passengers located on the rear of the center console.

#### **▲ CAUTION**

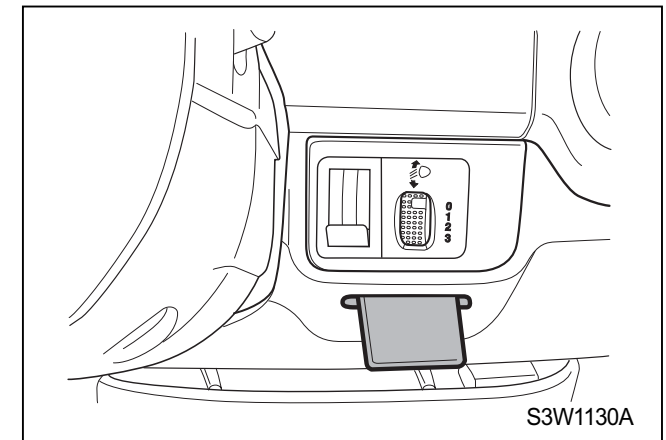
**Do not use a cup holder while the vehicle is in motion. Liquid may spill out and damage the vehicle or cause burns if it is hot.**



### CARD HOLDER

The card holder is located on the instrument panel, near the steering column.

To use the card holder, insert a card into the slot.



### SUNGLASSES HOLDER (Option)

There may be a storage area above the driver's door for sunglasses. Pull down and hold the upper part of the cover to open it.

The cover will swing closed when it is released.

### SHOPPING HOOKS

Your vehicle is equipped with seatback shopping hooks on each front seatback. Plastic grocery bags or other suitable objects can be attached to the hooks.

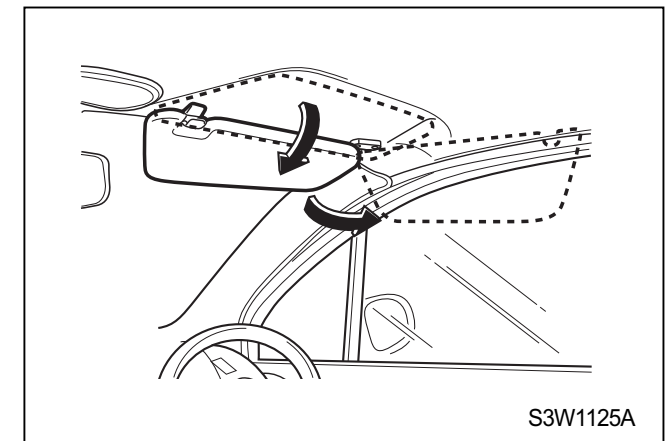
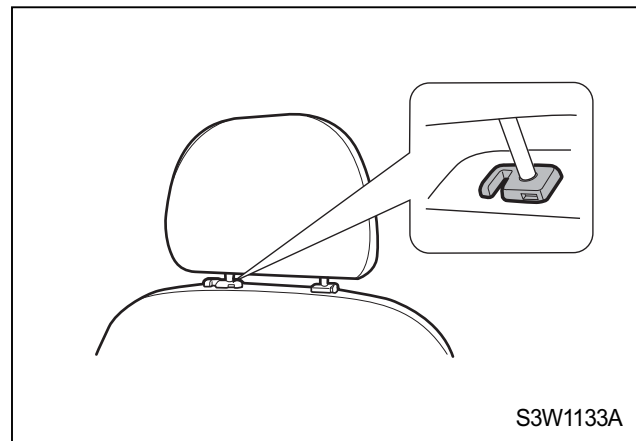
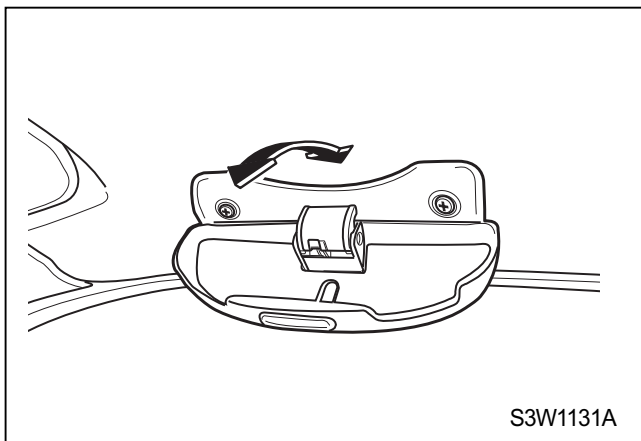
In LT vehicle, rear seatbacks also have shopping hooks.

### SUN VISORS (Option)

Your vehicle has padded sun visors to protect the driver and passengers from glare.

You can swing the sun visors up and down, and to the side.

The vanity mirror has been provided on the back of co-driver sun visor.

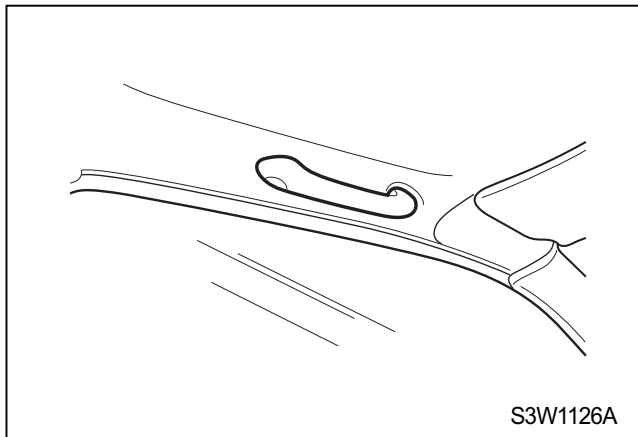


## ASSIST HANDLES

Your vehicle has assist handles above the front seat passenger door and the rear doors. The handle above RH rear door includes a coat hook.

### ⚠ CAUTION

**Hanging items on assist handles can obstruct the driver's view. Do not hang anything on an assist handle unless the handle is equipped with a coat hook.**



## LUGGAGE CARRIER (Option)

Use the luggage carrier to load things on top of your vehicle. loaded luggage carrier, see your retailer.

There are side rails attached to the roof. The luggage carrier may also be equipped with crossrails.

The carrying capacity of the luggage carrier is 50 kg (110 lbs.) when the vehicle is loaded with up to four occupants. When you carry cargo on the luggage carrier, distribute the weight evenly.

Do not load cargo directly onto the roof of your vehicle.

Do not exceed the maximum vehicle capacity when loading your vehicle.

A loaded luggage carrier changes the center of gravity of the vehicle. Do not drive at high speeds. Also, be careful when driving in crosswinds.

To prevent damage or loss of cargo while driving, check periodically to make sure that the luggage carrier and cargo are still securely fastened.

For more information on the luggage carrier or regulations on driving with a

### ⚠ CAUTION

**If you try to carry something on top of your vehicle that is longer or wider than the luggage carrier - like paneling, plywood, a mattress, and so forth - the wind can catch it as you drive along. What you are carrying could be violently torn off, and this could cause you or other drivers to have a collision, and of course damage your vehicle. Never carry something longer or wider than your luggage carrier on top of your vehicle.**

## **ROOF RAIL (Option)**

It is an accessory design with a dynamic and a sporty appearance.

# 4 HEATING & AIR CONDITIONING

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- AIR VENTS ..... 4-2
- CONTROL PANEL ..... 4-3
- AIR CONDITIONING\* ..... 4-6
- HEATING ..... 4-8
- VENTILATION ..... 4-9
- AIR OUTLET ..... 4-9
- OPERATING TIPS ..... 4-10
- REAR WINDOW DEFOGGER (Option) ..... 4-10

## AIR VENTS

### Side vents

You can direct air through both adjustable side vents toward either side of the front passenger area, or toward the side windows.

### Windshield defroster vents

The windshield defroster vents direct air onto the windshield.

### Center vents

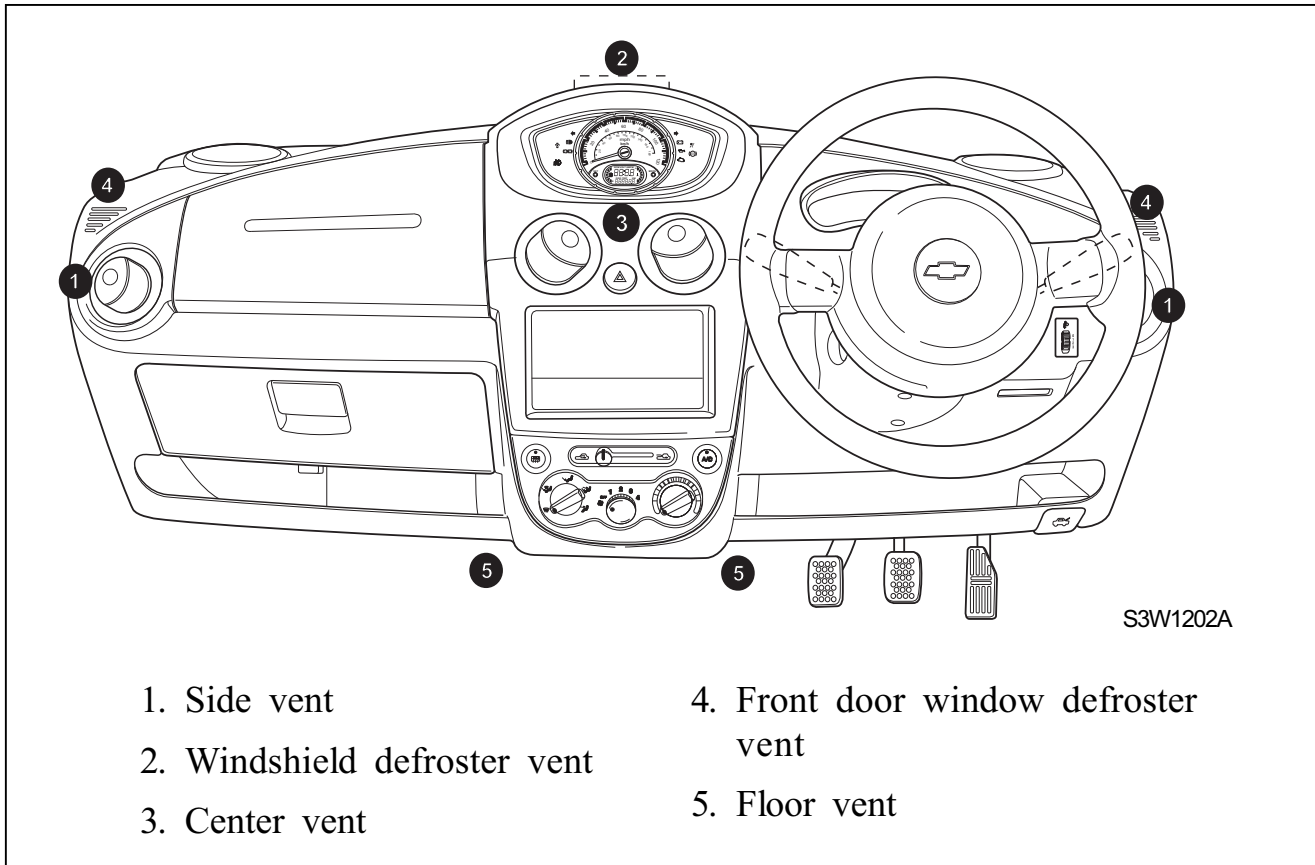
You can control the direction of airflow through both adjustable center vents.

### Floor vents

The floor vents direct air into the front foot area.

### Front door window defroster vents

The front door window defroster vents direct air onto the side windows, mainly in the area near the outside mirror.



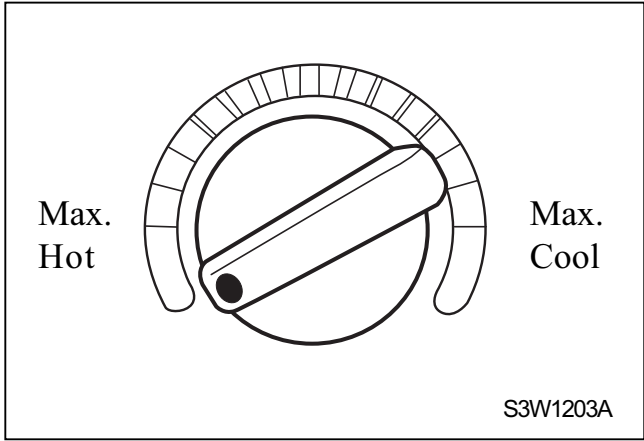
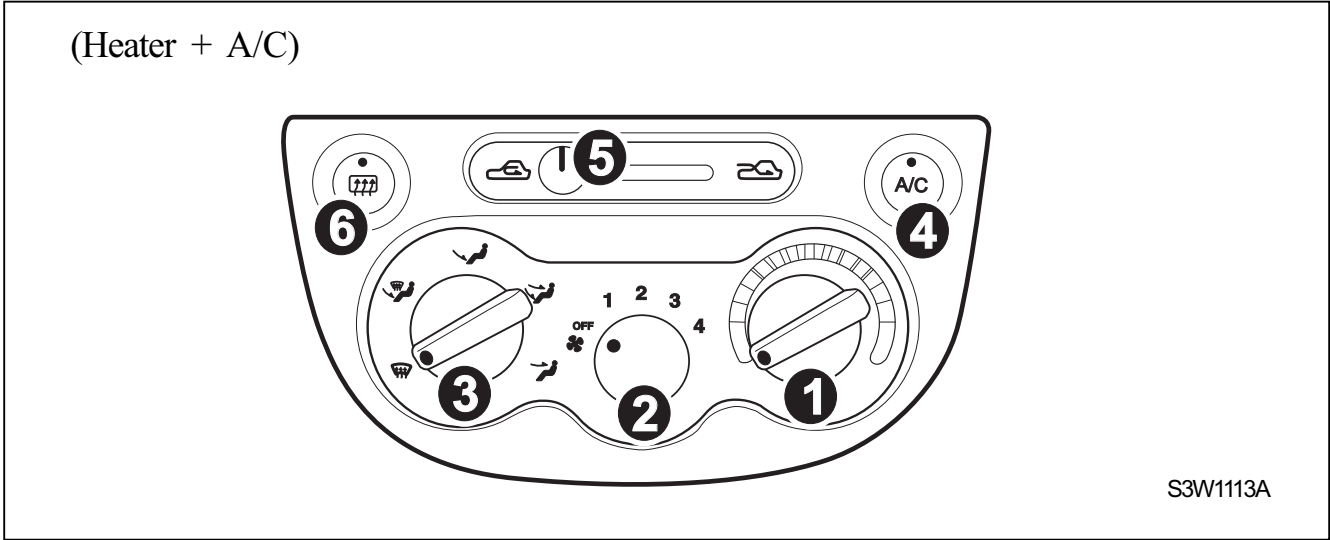
### CONTROL PANEL

- 1. Temperature control knob.
- 2. Fan control knob.
- 3. Air distribution mode knob.
- 4. Air conditioning (A/C) button. (Option)
- 5. Recirculation Lever.
- 6. Rear window defroster button (Option).

### TEMPERATURE CONTROL KNOB

The temperature control knob controls the temperature of the air that comes through the air vents.

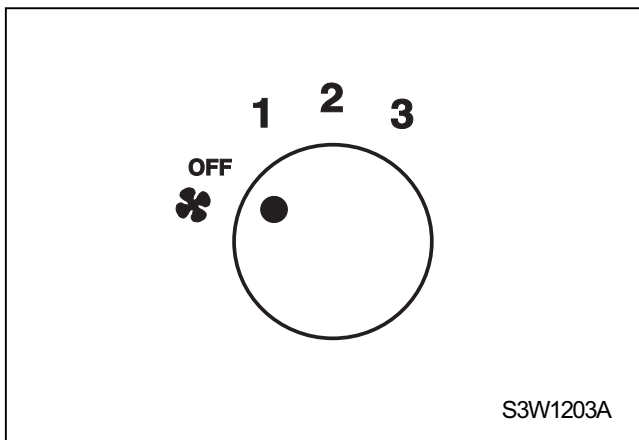
Turn the knob to the blue area to get cool air and to the red area to get warm air.



### FAN CONTROL KNOB

You may control the rate of airflow coming from the system by turning the fan speed control knob. Turn the knob clockwise to increase the fan speed and counterclockwise to decrease the fan speed.

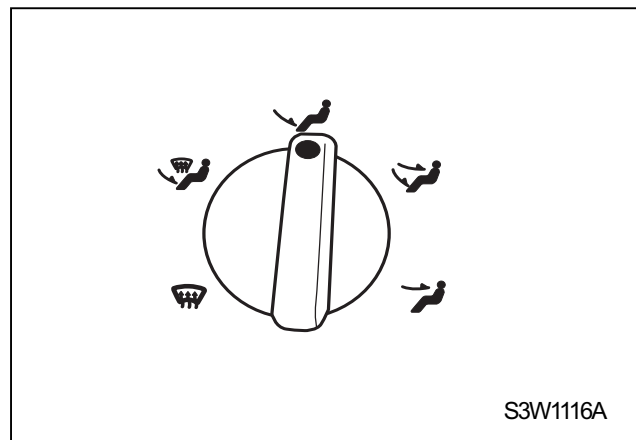
Adjust the fan control knob from step 1 to step 4 as you wish.



### AIR DISTRIBUTION MODE KNOB

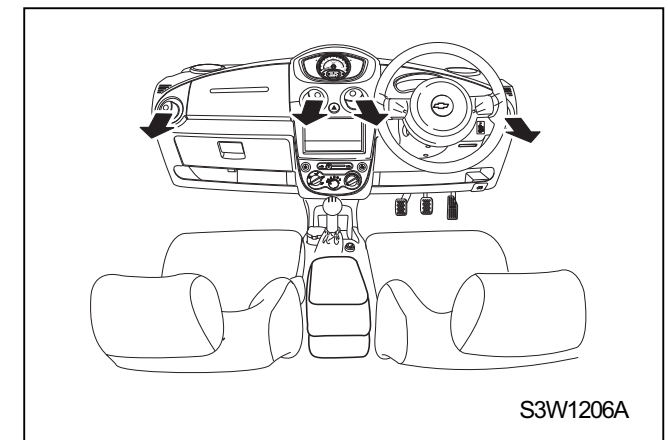
Adjust the air distribution knob to the desired mode which you want to direct the air flow.

The air distribution knob can be set in one of five positions:



### Front ( → )

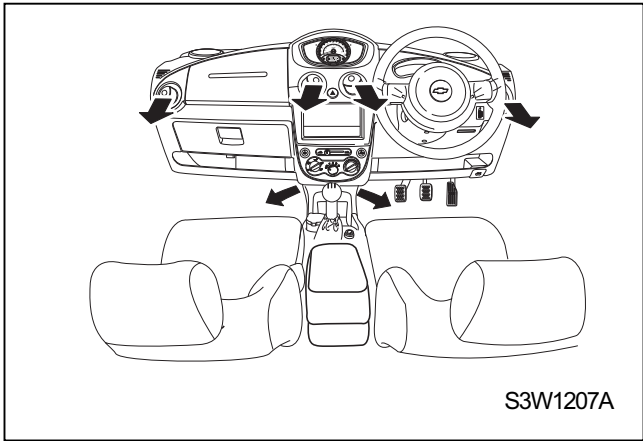
This setting directs air through center and side vents.





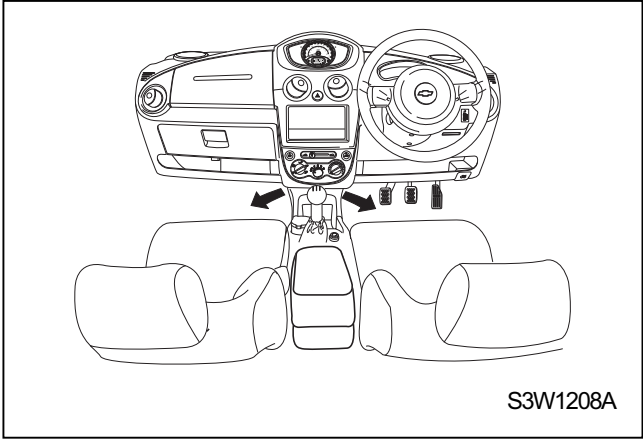
**Bi-level (↖↗)**

Directs air in two ways. Half of the air through the floor vents and the remaining through the center and side vents.



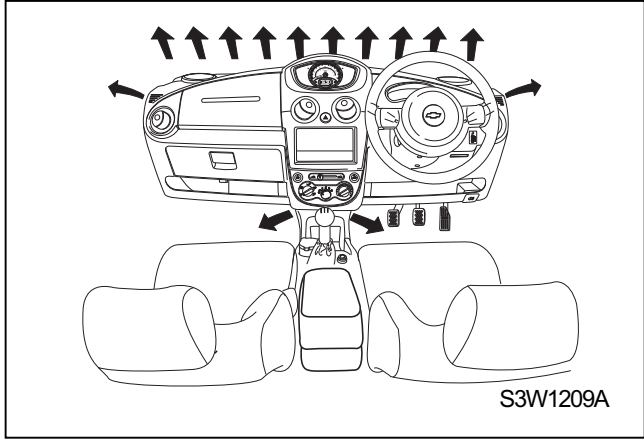
**Floor (↘)**

Directs most of air through the floor vents. Keep the area under the front seats clear in order not to block the airflow.



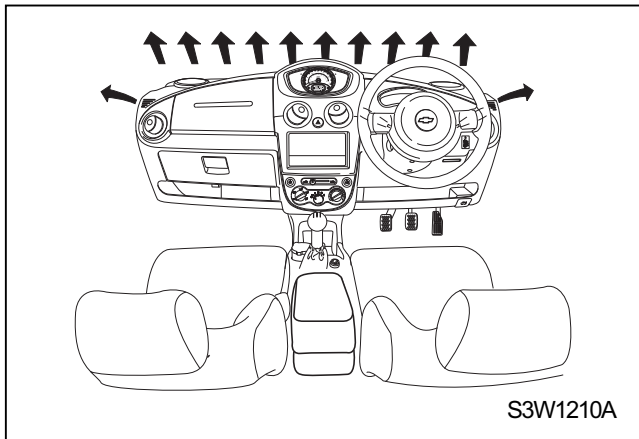
**Floor/Defrost (↖↗)**

This mode directs air through windshield defroster vents, front door window defroster vents and the floor vents.




**Defrost (  )**


Directs air through the windshield and front door window defroster vents.

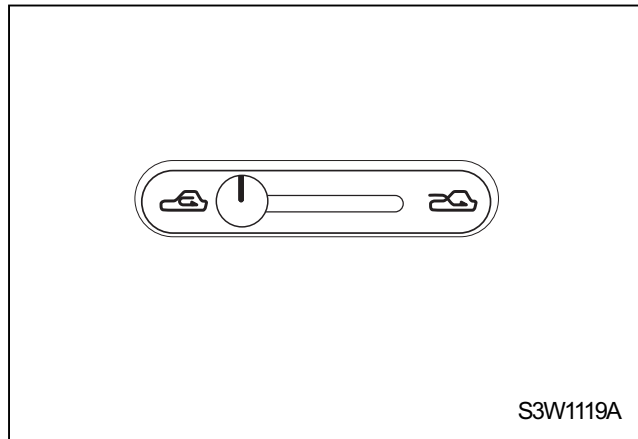


**RECIRCULATION MODE**

Slide the lever to  recirculate the air in your vehicle. This is useful for keeping the dust out or when quick heating or cooling is desired.

**Your windows may fog if you use the recirculation mode for extended periods. If this happens, press the recirculation button again for the outside air mode.**

Slide the lever to  to circulate outside air into your vehicle.



**AIR CONDITIONING (Option)**

The refrigeration unit of the air conditioning (A/C) system cools and removes moisture and dust from the air inside your vehicle.

Even with the A/C on, your vehicle will produce warm air if you set the temperature control knob to warm.

NOTE
<b>You may notice water drip under engine room sometimes after driving with A/C on. This is normal because your cooling system removes the moisture from the air.</b>

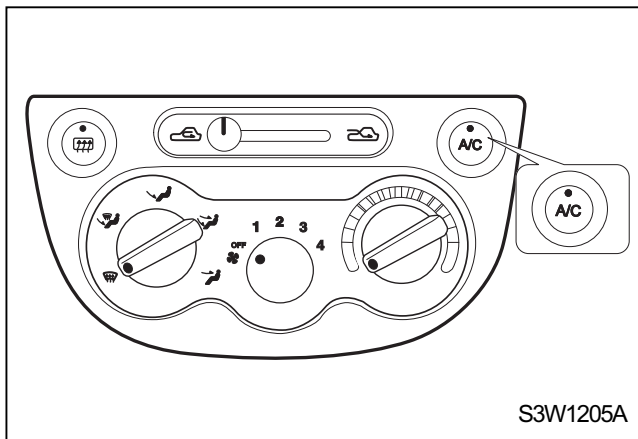
NOTE
<b>Because the compressor of the cooling system shares the engine power, you may notice slight change in engine power and performance when the compressor operates.</b>

**A/C BUTTON****⚠ CAUTION**

Using your air conditioning (A/C) system while driving up long hills or in heavy traffic can cause the engine overheating.

- Watch temperature gauge.
- Turn OFF the A/C if the gauge indicates engine overheating.

Vehicle can be damaged.

**To turn on the air conditioning (A/C):**

1. Start the engine.
2. Press A/C button. (Indicator light will come on to confirm the A/C is running)
3. Adjust fan speed.

**NOTE**


**The air conditioning will not operate when the fan control knob is in the off position.**

**To turn off the A/C:**

Press A/C button again. (Indicator light will go off to confirm the A/C is not running)

**COOLING****Maximum cooling**

To achieve maximum cooling during hot weather and when your vehicle has been exposed to the sun for a long time:

1. Open windows slightly to let warm air escape.
2. Turn air conditioning (A/C) on. (Indicator illuminates)
3. Slide the recirculation lever to recirculation mode.
4. Turn air distribution knob to FRONT mode (  ).
5. Turn temperature control knob all the way to the blue area for cooling.
6. Turn fan control knob to highest speed.

### **Normal cooling**

1. Turn on the air conditioning (A/C) button. (Indicator illuminates)
2. Slide the recirculation lever to recirculation mode.
3. Turn the air distribution knob to FRONT (↗) or BI-LEVEL (↕).
4. Turn temperature control knob to blue area for cooling.
5. Adjust the fan control knob to the desired speed.

## **HEATING**

### **Maximum heating**

Use the maximum heating mode for quick heating of the passenger area. Do not use it for lengthy periods because the interior air may become stale and the windows may fog. To clear the windows, turn off the recirculation button to allow fresh air into the vehicle.

For maximum heating:

1. Turn off air conditioning (A/C). (Indicator goes off)
2. Slide the recirculation lever to recirculation mode.
3. Turn air distribution knob to BI-LEVEL (↕) or FLOOR (↘).
4. Turn temperature control knob all the way to the red area for heating
5. Turn fan control knob to maximum speed.

### **Normal heating**

1. Turn off air conditioning (A/C). (Indicator goes off)
2. Slide the recirculation lever to outside air mode.
3. Turn air distribution knob to FLOOR (↘) or BI-LEVEL (↕).
4. Turn temperature control knob to red area for heating.
5. Turn fan control knob to desired speed.

## VENTILATION

### Bi-level

Use this setting on cool, but sunny days. Warmer air will flow into the floor area and cool, outside air will flow toward your upper body.

To use this setting:

1. Slide the recirculation lever to outside air mode.
2. Turn air distribution knob to BI-LEVEL (↖↗).
3. Adjust temperature control knob to the desired temperature.
4. Turn fan control knob to the desired speed.

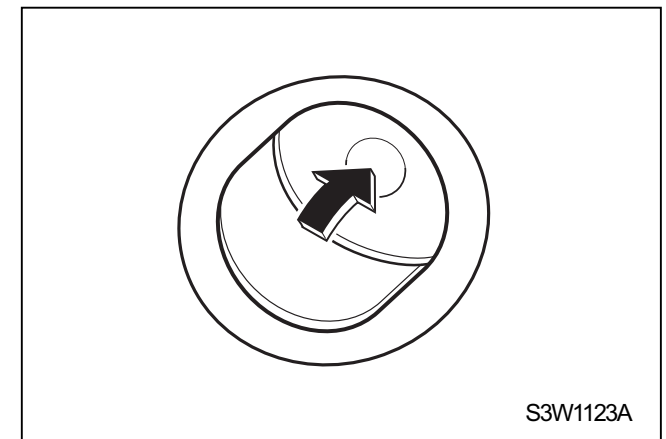
### Ventilation

To direct air through the center and side vents:

1. Turn off air conditioning (A/C). (Indicator goes off)
2. Slide the recirculation lever to outside air mode.
3. Turn the air distribution knob to FRONT (↗) or BI-LEVEL (↖↗).
4. Turn temperature control knob to blue area for cooling.
5. Turn fan control knob to desired speed.

## AIR OUTLETS

To open an outlet, press on its cover. Rotate the cover to direct airflow as desired.



## OPERATING TIPS

- Before using the air conditioning system, open the windows for a few minutes to permit hot air to escape if the vehicle has been parked in direct sunlight.
- For maximum cooling, select the ventilation mode and the highest fan speed. Make sure that the air conditioning compressor is turned on. Then Rotate the temperature control knob to select the coolest temperature and activate the recirculation mode.
- To defog the windows on rainy days or in high humidity, turn on the air conditioning compressor.
- Turn on the air conditioning for a few minutes at least once a week, even in the winter or when the air conditioning system is not being used regularly. This maintains proper lubrication of the compressor and seals, prolonging the service life of the system.
- Driving in stop-and-go traffic may reduce the effectiveness of the air conditioning system.
- To quickly defog or defrost the front windshield, use the defrosting mode, set the temperature to warm, and set the fan at the highest speed.
- Defroster mode will operate with the air conditioner on or off.
- Turn the air conditioner on to improve the efficiency of the defroster.
- Do not use the heating/defogging mode or the defrosting mode in extremely humid weather when the temperature control is set to cold.

## REAR WINDOW DEFOGGER (Option)

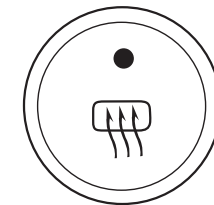
The ignition must be on for this feature to work.

Press this button to defog your rear window. To turn it off, press the button again.

The indicator light in the button will glow when the system is on. Be sure to turn the defogger off after the window is clear.

### **▲ CAUTION**

**Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property.**



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**NOTE**

**Do not use the rear window defogger under the following conditions:**

- **Engine is not running.**
- **You are just starting your vehicle.**
- **There is a buildup of snow or ice on the rear window.**

**Operating the rear window defogger under these conditions could drain the battery. This can damage your vehicle, requiring the replacement of some parts.**

**Don't use a razor blade or anything else that is sharp on the inside of the rear window. Do not use abrasive window cleaners on the rear window. You could cut, scratch or damage the warming grid.**





# 5

## DRIVING YOUR VEHICLE

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- **DRIVING PRECAUTIONS** ..... 5-2
- **FUEL** ..... 5-4
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## BREAKING-IN

Use the following precautions for the first few hundred kilometers to improve the performance and economy of your vehicle and add to its long life:

- Avoid full-throttle starts.
- Allow the engine to warm up before driving.
- Do not race the engine.
- Avoid hard stops except in emergencies. This will allow your brakes to break-in properly.
- Avoid quick starts, sudden accelerations, and prolonged high-speed driving in order to avoid damage to the engine and to conserve fuel.
- Avoid full-throttle acceleration in low gear.
- Do not tow any other vehicle.

## DRIVING PRECAUTIONS

### BEFORE ENTERING THE VEHICLE

#### **▲ WARNING**

- **Make sure all exterior light bulbs, lamps, signaling systems, and warning indicators are clean and working properly.**

**These precautions help to avoid accidents that could result in personal injury or damage to the vehicle.**

- Be sure all windows, inside and outside rearview mirrors, light bulbs, and lamps are clean and working properly.
- Check under the vehicle for leaks.
- Check the levels of engine oil and other fluids in the engine compartment.
- Visually check the tyres for damage or improper inflation pressures and for foreign objects imbedded in the tread.
- Take corrective actions as required.

### BEFORE DRIVING

#### **▲ WARNING**

**Loose objects on the instrument panel can obstruct your vision.**

- **Remove any loose objects on the instrument panel .**

**These objects can also be thrown around and strike passengers during hard braking or a collision, causing personal injury or damage to your vehicle.**

- Be sure you understand your vehicle, its equipment and its safe operation.
- Adjust your seat to a comfortable position.
- Adjust the inside and outside mirrors.
- Be sure all occupants of the vehicle have fastened their safety belts.
- Check the operation of the warning lights as the ignition key is turned ON.
- Check all the gauges.
- Release the parking brake, making sure the warning lamp goes out.

**WHILE DRIVING**

As the driver of your vehicle, you are responsible for the safety of yourself, your passengers and others sharing the road with you. To discharge that responsibility, you must keep your full attention on operating the vehicle. Most vehicular collisions are caused when a driver's concentration is either impaired or distracted. At all times, the driver's concentration should be upon the road and nearby vehicles and other objects.

One significant distraction in today's driving environment is the use of hand-held phones while driving. Studies have found that the use of hand-held phones while driving increases the risk of being involved in an accident. At least one scientific study found that use of any phone system— either hand-held or hands-free— increases the risk of a collision by 400%.

Using phones, two-way radios or other electronic devices such as computers, organizers, games, video, or GPS and other navigational aids similarly increases the risk of collision. We discourage your use

of equipment while you are operating your vehicle.

**▲ WARNING**

**Driving safely requires all of your concentration as well as the application of good judgment and common sense. Avoid or minimize distractions while operating your vehicle. Distractions you may encounter could include:**

- **responding to calls on your cell or car phone;**
- **initiating calls on your cell or car phone;**
- **making adjustments to your seat, steering wheel or mirrors;**
- **using other electronic devices;**
- **referring to maps or other written materials;**

**(Continued)**

**▲ WARNING**

**(Continued)**

- **removing or connecting your safety belt;**
- **searching for change approaching toll booths; or**
- **other activities that divert your attention from the task of safe vehicular operation.**

**Engaging in such activities will greatly increase the risk of a collision that may cause personal injury or death.**

**Anticipate the need for such activities and perform them before you start your trip when possible, or while your vehicle is safely at a stop.**

## FUEL

### FUEL RECOMMENDATIONS

Fuel quality and additives contained in fuel have a significant effect on power output, driveability, and life of the engine.

Fuel with too low an octane number can cause engine knock. Use of 87 or higher Octane rating fuel is recommended.

The use of gasoline with an Octane rating lower than 87 may cause engine to knock. Continued use may cause engine damage and manufacturer warranty stands void. Contact your retailer to fix your car, incase of usage of lower or higher Octane rating fuel other than General Motors India recommendation.

#### ▲ CAUTION

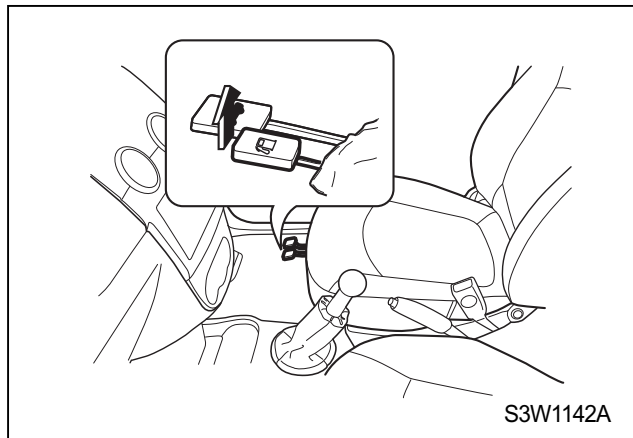
- Use of fuel with low quality or too low octane number may damage the engine.
- Use of leaded fuel in our unleaded vehicles will damage exhaust system and invalidate the warranty.

### FUEL DOOR RELEASE

The remote fuel filler door release allows you to open the fuel filler door from inside the vehicle. Pull up the release lever located near the front corner of the driver's seat.

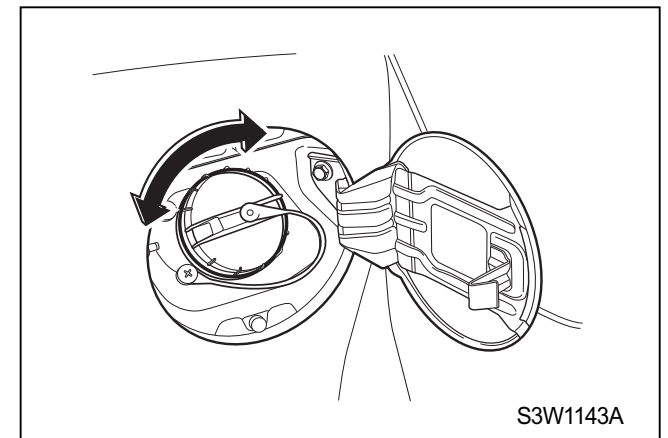
#### NOTE

**If the fuel filler door does not open in cold weather, tap the door lightly. Then try to open it again.**



### FILLING THE FUEL TANK

1. Stop the engine.
2. Pull up on fuel filler door release lever located on the floor, front right side of driver's seat.
3. Turn the fuel filler cap counterclockwise slowly. If a hissing sound is heard, wait for it to stop before completely unscrewing the cap. The fuel filler door is in the right rear quarter panel.
4. Remove the cap. The cap is tethered to the vehicle.



5. After refueling, replace cap. Turn it clockwise until you hear several clicks.
6. Push the fuel filler door closed until it latches.

**NOTE**

If, in cold weather, the fuel filler door does not open, tap the door lightly. Then try to open it again.

**▲ WARNING**

**Fuel vapor is highly flammable.**

- **Keep flames, sparks and other smoking materials away from gasoline.**
- **Turn off your engine.**

**You can be seriously burned and your vehicle damaged when gasoline vapor catches fire.**

**▲ CAUTION**

**Avoid spilling gasoline on the painted surfaces of your car.**

- **If you spill gasoline on your vehicle, rinse the area with clean, cold water as soon as possible.**

**Gasoline can damage the paint.**

**Fuel filling from drums or portable containers****▲ WARNING**

**For safety reasons, fuel containers, pumps and hoses must be properly earthed. Static electricity build up can ignite the gasoline vapor. You can be burned and your vehicle damaged.**

**Always observe the following precautions:**

- **Use earthed pumps with integrally earthed hoses and containers when filling the fuel tank.**
- **Do not fill your container when it is inside your vehicle other than on the ground.**
- **Make the filling nozzle in contact with the inside of the container opening before operating the nozzle. Keep the contact be maintained until you finish filling the container.**
- **Keep flames, sparks and smoking materials away from gasoline.**

## ADJUSTING THE MIRRORS

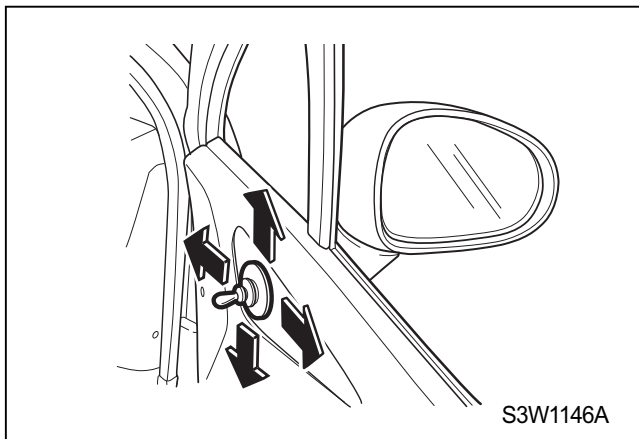
### OUTSIDE REARVIEW MIRRORS

Adjust the outside rearview mirrors so you can see each side of your vehicle, as well as each side of the road behind you.

You may adjust the outside rearview mirrors up or down and left or right using the adjusting levers on each door trim.

Both outside mirrors (if equipped) are convex and is labeled with a notice that reads as follows:

**OBJECTS IN MIRROR ARE  
CLOSER THAN THEY APPEAR.**



Use the outside mirrors to get a wider view of the road behind your vehicle.

Use the inside mirror to determine the size and the distance of objects reflected in the side mirror.

Using only out side mirrors can cause you to misjudge size and distance behind you.

### ▲ WARNING

- **Always keep your mirrors properly adjusted, and use them while driving to increase your visibility of objects and other vehicles around you.**

**Failure to properly judge distances between your vehicle and other objects may result in a collision causing damage to your vehicle or other property, or injuries.**

### ▲ CAUTION

**Improper care of your mirrors can damage them.**

- **Do not scrape ice from the face of the mirror.**
- **If ice or other material restricts movement of the mirror, do not force the adjustment.**
- **Use a deicer spray or a hot air blower to remove the ice.**

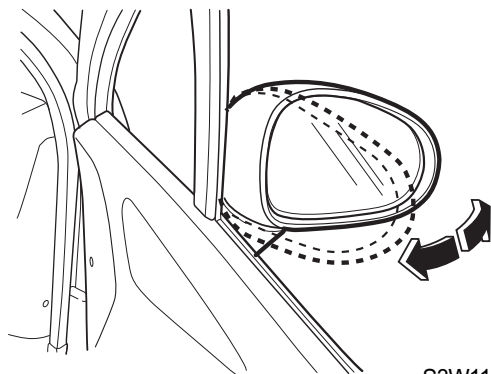
**Damaged mirrors can restrict your vision, resulting in a possible collision.**

You may fold the outside rearview mirrors flat against the sides of the vehicle by pushing the mirrors backward against your vehicle.

**▲ WARNING**

- **Do not drive while either outside rearview mirror is folded back.**

**Doing so will cause reduced visibility, which could result in a collision.**



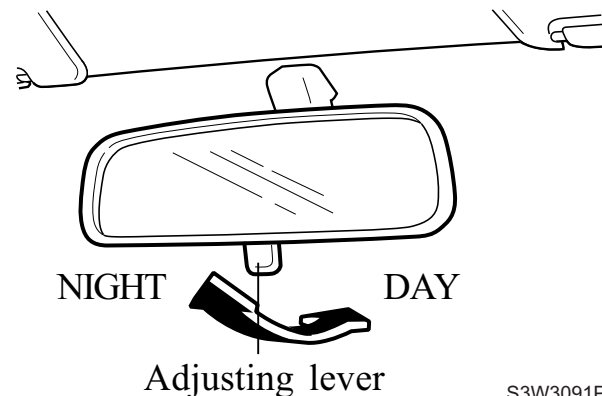
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### INSIDE REARVIEW MIRROR

The inside rearview mirror can be adjusted manually up or down and left or right.

#### Day/ Night Tilt Function (option)

Use the inside rearview mirror adjusting lever to modify the mirror for day / night vision. This reduces glare from headlights on vehicles behind you.



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**▲ WARNING**

**Your view through the mirror may lose some clarity when it is adjusted for night vision.**

- **Take special care with using your inside rearview mirror when it is adjusted for night vision.**

**Failure to ensure a clear rear view while driving may result in a collision causing damage to your vehicle or other property, and/or personal injury.**

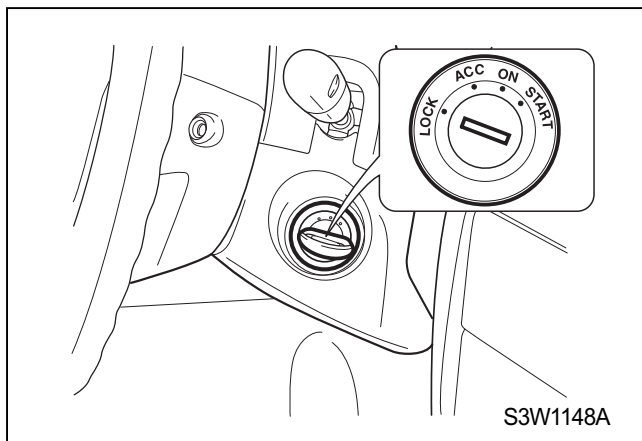
## IGNITION SWITCH

The ignition switch, located on the right side of the steering column, has the following positions: LOCK, ACC, ON and START.

- **LOCK**

To lock the steering wheel, remove the key and rotate the steering wheel until it locks.

For easier key operation when unlocking the steering wheel, move the steering wheel gently from right to left and turn the key to the ACC position.



- **ACC**

The engine can be turned off without locking the steering wheel by turning the key to the ACC position. To turn the key from ACC to LOCK position, push in the key slightly and turn to LOCK.

Some electrical accessories, such as the radio (if equipped) and the cigarette lighter, can be operated in the ACC position.

**▲ CAUTION**

- **Do not leave the key in the ACC for extended periods.**

**This will discharge the battery.**

- **ON**

Activates the ignition system and the electrical accessories.

**▲ CAUTION**

- **Do not leave the key in the ON for extended periods while the engine is not running.**

**This will discharge the battery.**

- **START**

Starts the engine. When the engine starts, release the key, and it will automatically return to ON.

Make sure that the engine is not running before turning the key to START.

**▲ WARNING**

- **Do not turn the key to OFF while driving.**

**Driver could lose control of vehicle and brake power assistance would be cancelled, causing vehicle damage, personal injury or possibly death.**

**▲ WARNING**

- **Do not reach for the key through the steering wheel.**

**Steering wheel can suddenly turn causing driver to lose control of vehicle and causing injury to fingers, hands or arms.**



## STARTING THE ENGINE

### BEFORE STARTING THE ENGINE

- Make sure the area around vehicle is clear.
- Make sure all windows and lights are clear.
- Inspect tyres for condition, proper inflation pressure and foreign objects.
- Adjust seat positions and head restraints.
- Adjust inside and outside mirrors.
- Fasten safety belt and ask all passengers to do the same.
- Check the operation of warning lights and indicators in the instrument panel when the key is turned to ON position.
- Periodically, such as when refueling, check maintenance items noted in this manual.

#### ⚠ CAUTION

- **Do not operate starter motor for more than 15 seconds at a time.**
- **If the engine does not start, wait 10 seconds before trying again.**

**This will prevent starter motor damage.**

#### ⚠ CAUTION

- **Do not idle the engine at high rpm for more than 3 minutes.**

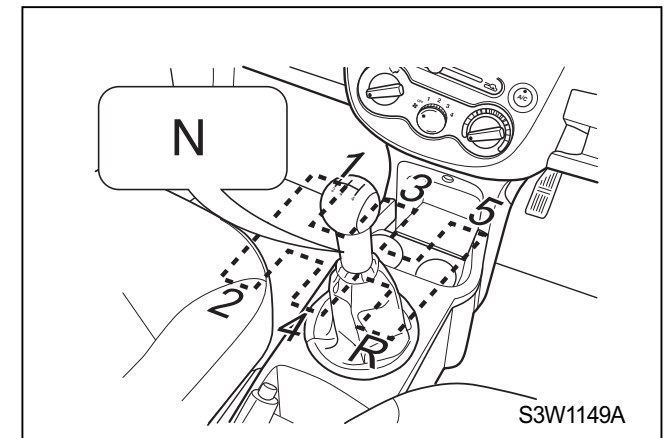
**Excessive temperature can damage the exhaust system/catalytic converter.**

#### NOTE

**If the engine has become flooded during starting, slowly press the accelerator pedal all the way down, hold it in that position, and start the engine.**

### MANUAL TRANSAXLE

1. Make sure the driver and passengers are wearing their safety belts properly.
2. Apply parking brake if it is not engaged.
3. Make sure the seats, head restraints, and mirrors are in their proper positions and adjust them if it is required.
4. Make sure the gearshift lever is in NEUTRAL position and press the clutch pedal all the way down.



5. Without touching the accelerator pedal, turn the ignition to START and release it when the engine starts. If the engine starts momentarily but fails to run, wait for 10 seconds, then try again.
6. Allow the engine to idle at least 30 seconds.
7. Release the parking brake.
8. Drive at a moderate speed for a short distance, especially in cold weather until normal engine operating temperature is reached.

## DRIVING YOUR VEHICLE

### MANUAL TRANSAXLE

To change gears, fully depress the clutch pedal, move the gearshift lever into gear, and slowly release the clutch.

#### ▲ CAUTION

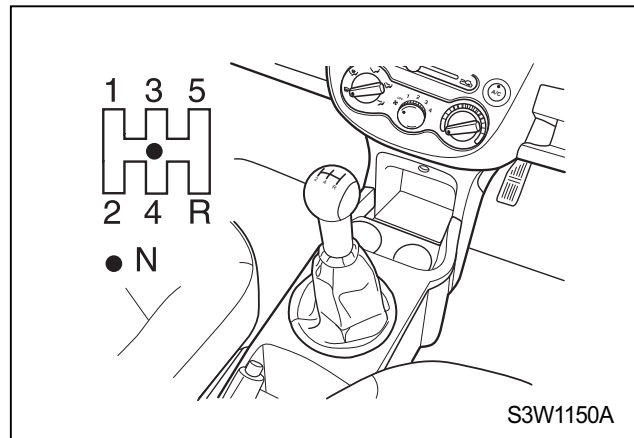
- **Before shifting between a forward and reverse, bring the vehicle to a complete stop.**

**Shifting between forward and reverse gear while the vehicle is moving can damage the transaxle.**

#### ▲ CAUTION

- **Do not rest your foot on the clutch pedal while driving.**

**This will cause accelerated wear on clutch components.**



## BRAKES

The braking system is designed for braking performance under a wide range of driving conditions.

Your vehicle is equipped with front disc and rear drum brakes and a dual circuit braking system.

If one brake circuit should fail, the vehicle can still be stopped with the remaining circuit, however, stopping distance will be increased and more brake pedal pressure will be required.

### **▲ WARNING**

**If one of circuit fails, the brake pedal must be pressed with greater pedal pressure and the braking distance is increased.**

- **Have the brake system checked and repaired by a CHEVROLET retailer immediately.**

### **▲ WARNING**

**If the brake pedal can be pressed further than normal, the brakes may be in need of repair.**

- **Consult your CHEVROLET retailer immediately.**

### **▲ CAUTION**

- **Do not drive with your foot resting on the brake pedal.**

**Doing so will accelerate wear of brake components. The brakes may also become overheated, resulting in longer braking distance and an unsafe condition.**

## WET BRAKES

Driving through water or washing your car can get the brake components wet.

To restore normal braking:

1. Check behind you for other vehicles.
2. Keep a safe forward speed with plenty of space to your rear and sides.
3. Gently apply brakes until normal performance is restored.

## OVERHEATED BRAKES

Braking excessively when going down a long, steep hill can temporarily overheat the brakes. Shift to a lower gear when going down hills. Do not continuously apply the brakes.

**▲ WARNING**

**After driving through deep water, washing the vehicle, or using the brakes excessively when going down a steep hill, the brakes can temporarily lose their stopping power. This may be due to wet brake components or overheating.**

**If your brakes temporarily lose their stopping power because of overheating:**

- **Shift to a lower gear when going down hills. Do not continuously apply the brakes.**

**If your brakes temporarily lose their power because of wet brake components, the following procedure will help restore their normal performance:**

- 1. Check behind you for other vehicles.**
- 2. Keep a safe forward speed with plenty of space to your rear and sides.**
- 3. Gently apply the brakes until normal performance is restored.**

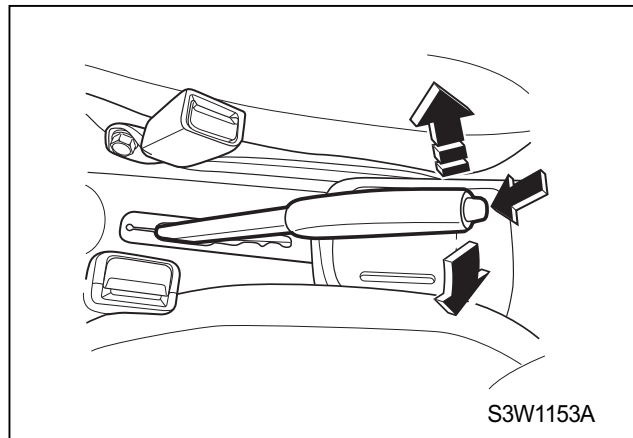
**PARKING BRAKE**

The parking brake acts on the rear wheels. The parking brake lever is located between the front seats.

To set the parking brake, stop the vehicle, press the brake pedal and pull the lever up firmly.

To release the parking brake, press the brake pedal and;

1. Pull the lever up slightly.
2. Push the button on the tip of the lever.
3. Lower the lever while holding the button in.

**▲ WARNING**

**If the parking brake is not set properly, the vehicle may move suddenly. See your CHEVROLET retailer if an adjustment is required.**

**▲ CAUTION**

- **Do not drive with the parking brake on.**

**This can cause your rear brakes to overheat or wear out prematurely. You may have to replace them, and you could damage other parts of your vehicle.**

**▲ CAUTION**

- **Do not park or operate your vehicle over combustible materials.**

**They could touch hot exhaust parts under your vehicle and ignite.**

### Parking under wet / cold weather

Under cold weather conditions, the parking brake can freeze in the engaged position. This is most likely to happen if the brakes are wet.

If there is a risk that parking brake may freeze after driving through water deep enough to wet brake components or having the vehicle washed:

1. Apply the parking brake only temporarily while you put the gear selector lever in first or reverse gear.
2. Block the rear wheels with wedge blocks.
3. Then release the parking brake.

#### **▲ WARNING**

- **Do not use parking brake while the vehicle is in motion, or as a substitute for the brake pedal.**

**Doing so may cause you to lose control of the vehicle, resulting in a collision, property damage and personal injury.**

### ANTI-LOCK BRAKE SYSTEM (ABS) (Option)

The anti-lock brake system is an advanced electronic braking system that will help prevent skidding and loss of control of your vehicle. The system allows you to steer around obstacles while braking hard, and provides maximum stopping ability on slippery pavement.

When the ignition is turned on, the “ABS” warning lamp will glow for about 3 seconds. If the light does not go out, or if it comes on while driving, there is something wrong with the ABS. Consult your CHEVROLET retailer immediately. See “ABS WARNING LAMP” on Page No. 3-11.

ABS works by sensing the speed of each wheel during braking. If one of the wheels is about to stop rolling, the ABS Control Module will work the brakes separately at each front wheel and at the rear wheels. A slight vibration in the brake pedal, accompanied by some noise, usually takes place while the ABS is working.

#### **NOTE**

**ABS does not change the time you need to apply the brakes, and it does not always decrease stopping distances.**

**Always leave enough room to stop, even though you have ABS.**

### Braking with ABS

Regardless of the road conditions, do not pump the brakes. Firmly press and hold the pedal and let the ABS work for you.

#### **▲ WARNING**

**If the brake system and the ABS warning lamp come on at the same time, there is a failure in the brake system.**

**Have the system checked by your CHEVROLET retailer immediately.**

## DRIVING TIPS

### ENGINE BRAKING

To help use of braking effect of the engine compression when driving on a long downhill:

For manual transaxle, downshift to a lower gear in a sequential order.

#### **▲ WARNING**

**Do not downshift your manual transaxle by two or more gear positions at a time.**

**This prevents damage to your transaxle or loss of control and personal injuries.**

#### **NOTE**

**Use of engine compression during long mountainous descents may prolong the life of your brakes.**

### PARKING THE VEHICLE

Hold the brake pedal down and firmly apply the parking brake.

For vehicles with a manual transaxle:

1. Parking on level ground, place the gearshift lever in neutral.
2. On a downhill grade, place the gearshift lever in reverse.
3. On an uphill grade, place the gearshift lever in first gear.

#### **▲ WARNING**

**To prevent your parked vehicle from moving accidentally, do not leave the front wheels in a straight ahead position when parking on a hill.**

- **Turn the wheels away from the road and apply the parking brake if parking facing downhill.**
- **Turn the wheels toward the road and apply the parking brake if parking facing uphill.**

### SUGGESTIONS FOR MORE ECONOMICAL OPERATION

Fuel economy is dependent largely on your style of driving.

How you drive, where you drive and when you drive affect how many kilometers you can get from a liter of fuel.

To obtain maximum fuel economy:

- Accelerate slowly
- Avoid unnecessary idling.
- Keep the engine properly tuned.
- Do not race the engine.
- Use the air conditioning only when necessary.
- Slow down when driving on rough roads.
- Keep the tyres inflated to the recommended pressure.
- Maintain a safe distance from other vehicles to avoid a collision in case of sudden stops. This will also reduce wear on the brake pads and linings.
- Do not carry unnecessary weight.

- Do not rest your foot on the brake pedal while driving.
- Adhere to the vehicle maintenance schedule and specifications in this manual.

### **HAZARDOUS DRIVING**

When hazardous driving is encountered due to water, snow, ice, mud, sand, or similar conditions:

- Slow down your vehicle and drive cautiously allowing extra distance for braking.
- Avoid sudden manoeuvres when braking, steering or accelerating.
- When braking, press the brake pedal with a light, up-and-down motion until the vehicle is stopped (Unless equipped with ABS).
- If stuck in snow, mud or sand, use second gear to avoid spinning of front wheels.

### **HYDROPLANING**

If your vehicle hydroplanes on a wet road, you cannot control your vehicle because there is little or no traction between road and your tyres.

Hydroplaning may occur depending on the road conditions, tread and inflation of your tyres and the speed of your vehicle. It is very dangerous.

The best way to prevent hydroplaning is to lower the speed of your vehicle and be cautious whenever you feel the road is wet enough.

### DRIVING THROUGH DEEP WATER

When you are about to drive through deep water, you must check the puddle or standing water is not too deep. If you drive too quickly through deep water, water can enter your engine through the air intake causing severe damage.

**▲ CAUTION**

Before attempting to drive through deep water, always observe the following precautions:

- Do not drive through water if the depth is slightly lower than the underbody of your vehicle.
- Drive as slow as you can in high RPM with the lowest gear position.

### ENGINE EXHAUST (CARBON MONOXIDE)

Engine exhaust gases contain carbon monoxide (CO) which is colorless and odorless. Prolonged exposure to CO can lead to unconsciousness and death.

Whenever you suspect that exhaust gases are entering the vehicle, immediately take your vehicle to your CHEVROLET retailer.

**▲ WARNING**

To protect against CO entering the vehicle, inspect the exhaust system and body according to the following recommendations:

- At each oil change.
- Whenever you notice a change in sound of exhaust system.
- If exhaust system, underbody or rear of vehicle is damaged or becomes corroded.
- Do not run the engine in confined or closed areas, such as garages. Move vehicle to an open area.

(Continued)

**▲ WARNING**

(Continued)

- Do not sit in parked vehicle with the engine running for extended periods of time.
- When vehicle is stopped in an unconfined area for any amount of time, put your ventilation in fresh air mode to draw outside air inside.
- Do not drive with trunk lid or tailgate open. If driving this way is unavoidable, close windows, put your ventilation system in fresh air mode and run the blower at high speed.



# 6 EMERGENCIES

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- SPARE TYRE, JACK AND VEHICLE TOOLS ..... 6-2
- HOW TO CHANGE A FLAT TYRE ..... 6-3
- STARTING THE ENGINE WITH JUMPER CABLES .... 6-6
- TOWING THE VEHICLE ..... 6-8
- ROCKING YOUR VEHICLE ..... 6-10
- OVERHEATING ..... 6-11

## SPARE TYRE, JACK AND VEHICLE TOOLS

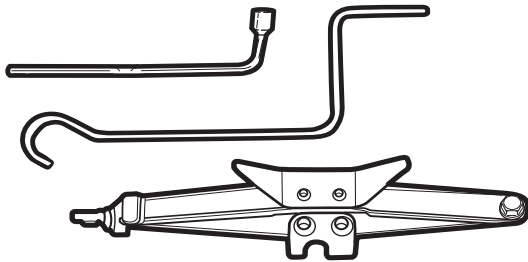
Your spare tyre, jack and tools are secured in the luggage compartment.

### ▲ WARNING

**Always store jack, spare tyre, other tools and equipment securely in their proper location.**

- **Do not store jack, spare tyre, or other equipment in passenger compartment.**

**In sudden stop or collision, loose equipment can be thrown around inside your vehicle and cause personal injuries.**



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Secure the spare tyre under the floor cover.

Store the jack and the tools in the storage of the luggage compartment. Be sure to secure these tools and equipments, as you found them.

### NOTE

**To eliminate the possibility of the jack, jack handle and tools rattling while the car is moving, secure them properly at the designated place.**

### Jack specification

Maximum Working Load	(600 kg)
Grease Type	Lithium
Grease Class	1 National Lubricating Grease Institute (NLGI)

### ▲ WARNING

**We designed the jack for use on your vehicle only.**

- **Do not use jack provided with your vehicle on other vehicles.**
- **Never exceed the jack's maximum permissible load.**

**Use of this jack on other vehicles may damage the other vehicles or your jack and lead to personal injury.**

## HOW TO CHANGE A FLAT TYRE

If a tyre goes flat, observe following safety instruction before you change the tyre.

### Tyre change safety precautions

1. Turn on the hazard flashers.
2. Pull off the road to a safe place away from traffic.
3. Park on a firm and level surface.
4. Turn off engine and remove key.
5. Set parking brake.
6. Have all passengers get out of vehicle and stand in a safe place.
7. Use a wedge, block of wood, or rocks in front of and behind the tyre that is diagonal from the tyre you plan to change.

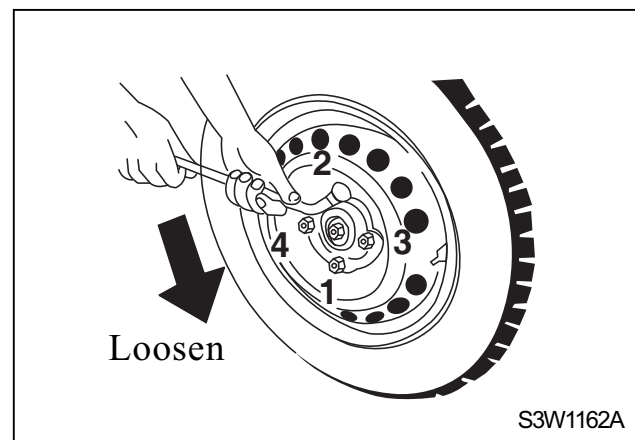
Failure to follow these safety precautions can cause your vehicle to slip off the jack possibly causing serious injury.

### How to change a flat tyre

1. Remove the jack, tyre changing tools and spare tyre from the storage in the luggage compartment.
2. Use the flat head screwdriver to pry off the wheel cover (if so equipped).

If your vehicle is equipped with bolt-on type of wheel covers, loosen 4 plastic caps by a hand with the aid of the wheel wrench and remove the wheel cover.

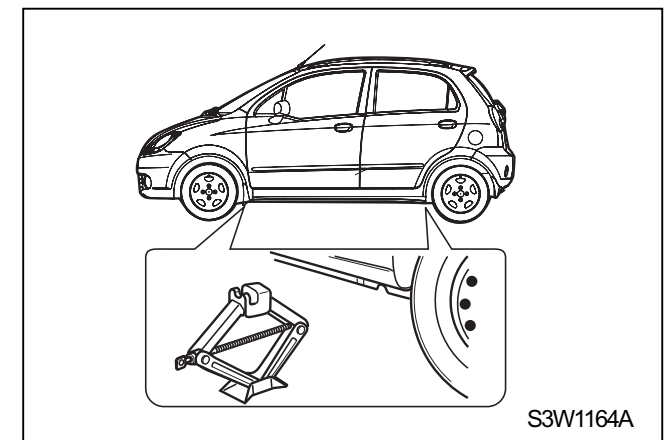
3. Use the wheel wrench to loosen the



<b>▲ CAUTION</b>
<b>Do not remove any of the nuts or bolts until you have raised the wheel off the ground.</b>

wheel nuts or bolts by one turn each.

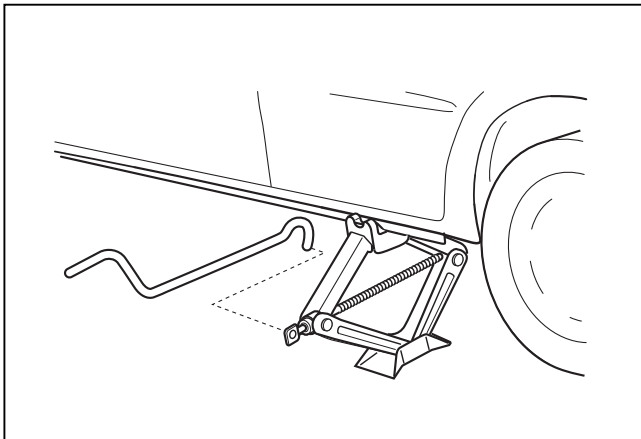
4. Insert the jack handle into the jack.
5. Rotate the jack handle clockwise to raise the lift head slightly.
6. Locate the jack according to the fig. below. There is a notch at the front and rear of the vehicle under the doors.



**▲ CAUTION**

**Do not attempt to raise vehicle until the jack is in the proper position, and secure both to the vehicle and the ground.**

7. Place the jack vertically at the front or the rear jacking notch next to the wheel you plan to change.
8. Raise vehicle by rotating jack handle clockwise until lifting head fits firmly into appropriate notch and tyre is off the ground about 1 inch (3 cm).



**▲ CAUTION**

- **As the jack begins to raise the vehicle, make sure jack is properly placed so it will not slip.**

**NOTE**

**Do not raise vehicle more than is necessary to change wheel.**

**▲ WARNING**

- **Never get under car or start or run the engine while car is supported by a jack.**
- Vehicle may slip off the jack resulting in serious injury or death.**

9. Remove wheel nuts or bolts completely by turning counterclockwise.
10. Remove tyre and wheel.
11. Mount spare tyre on the wheel hub.

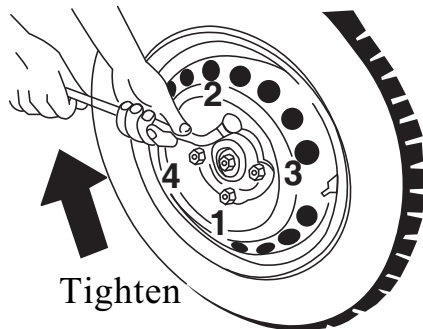
**▲ CAUTION**

- **Never use oil or grease on studs or nuts. If you do, the nuts might come loose. Your wheel could fall off, causing a serious accident.**
  - **Always use correct wheel nuts or bolts.**
  - **Using the wheel lug wrench, tighten the lug nuts or bolts down firmly.**
- If tightened incorrectly, the nuts or bolts might come loose.**

12. Replace and lightly seat the wheel nuts or bolts by turning clockwise.
13. Turn jack handle counterclockwise and lower vehicle to the ground.
14. Tighten wheel nuts with the wrench firmly to 100 Nm torque in a “X” pattern; 1→2→3→4 (See fig. below)

**▲ WARNING**

**Make sure to use the proper nuts or bolts tightened to the proper torque. Using incorrect parts or improperly tightened wheel nuts or bolts can cause or come off the vehicle.**



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**▲ CAUTION**

**Improperly tightened wheel nuts can lead to brake pulsation and rotor damage. To avoid expensive brake repairs, evenly tighten the wheel nuts in the proper sequence and to the proper torque specification.**

15. Install wheel cover if required.

When installing the bolt-on type of wheel covers, do the following:

- Put a wheel cover on the tyre.
- Fasten 4 plastic caps by a hand snug.
- Tighten them by turning 90° additionally to the maximum 5.9 lb-ft (8N•m) with the wheel wrench.

**NOTE**

**Have the flat tyre fixed for future use as soon as possible.**

16. Secure the jack, tools, and the flat tyre in their proper locations.

**▲ CAUTION**

**When using the jack, the vehicle could become unstable and move, damaging the vehicle and causing personal injury.**

- Use jack at correct jacking position.
- When installing the jack for lifting the vehicle, it should be perpendicular to the ground.
- Do not go under a jacked-up vehicle.
- Do not start vehicle while jacked-up.
- Before jacking, get all passengers out of the vehicle and clear of vehicle and other traffic.
- Use jack for changing wheels only.
- Do not jack vehicle on an inclined or slippery surface.
- Use jacking position nearest to the wheel requiring changing.
- Block wheel diagonally opposite the wheel to be changed.

**(Continued)**

## STARTING THE ENGINE WITH JUMPER CABLES

### ▲ CAUTION

- Before jacking, ensure parking brake is on and the transaxle is set in 1st or reverse gear (M/T).
- Do not jack the vehicle and change the wheel where traffic is close.

### ▲ CAUTION

Call a garage or motoring service for assistance where conditions are not satisfactory for jacking the car or if you are not confident of completing the task safely.

### ▲ CAUTION

- Do not try to start vehicle by pushing or pulling it.
- This can damage catalytic converter and may cause personal injury.

You can start vehicle that has a discharged battery by transferring electrical power to it from a battery in another vehicle.

### ▲ WARNING

Batteries can explode. You could be burned by battery acid and electrical short could injure you or damage the vehicles.

- Do not expose battery to flames or sparks.
- Do not lean over battery while jump starting vehicle.

(Continued)

### ▲ WARNING

- Do not allow cable terminals to touch each other.
- Wear eye protection when working near any battery.
- Do not allow battery fluid to contact eyes, skin, fabric, or painted surfaces.
- Make sure battery providing jump start has the same voltage as the battery receiving the jump.
- Do not disconnect discharged battery from vehicle.

Failure to follow these precautions or the following instructions for starting an engine with jumper cables can cause battery to explode, resulting in burns from battery acid, or electrical short circuit.

This can create damage to electrical systems in both vehicles, and cause serious personal injury.

**Before jump starting**

1. Apply parking brake.
2. For a vehicle with manual transaxle, shift to NEUTRAL.
3. Switch off all electrical accessories.

**▲ CAUTION**

- **Turn audio system off before jump starting your vehicle. Otherwise you may damage audio system.**

**▲ WARNING**

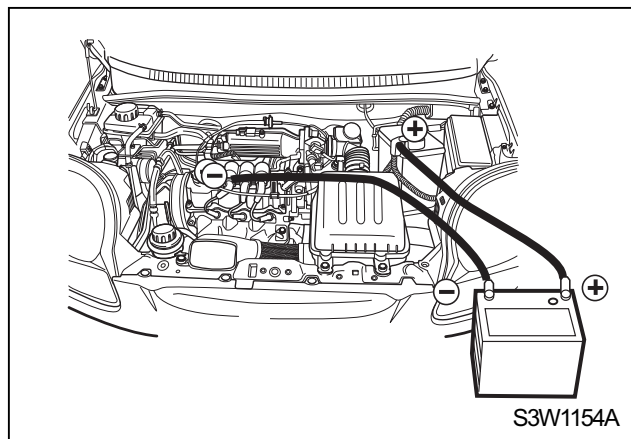
- **Always route jumper cables so they cannot catch on rotating parts in the engine compartment.**

**Otherwise you may damage vehicle and cause serious injury.**

**Attaching jumper cables**

To jump start your vehicle, connect the jumper cables in the following order:

1. Connect one clamp of the first lead of the jumper cable to the positive terminal of the charged battery. (identified by a “+” sign on the battery case or terminal)
2. Connect the other end of this same jumper cable lead to the positive terminal of the discharged battery. (the “+” terminal)
3. Connect one end of the second lead on jumper cable to the negative terminal of the charged battery. (identified by a “-” sign on the battery case or terminal)



4. Make the last connection to a suitable ground, such as a steel bracket bolted to the engine block.
5. The engine of the vehicle providing the jump start can be allowed to run during the jump start.

**NOTE**

**Attempts to start the engine of the vehicle with the discharged battery should be made at intervals of about one minute and should not last longer than 15 seconds each.**

Once the previously discharged vehicle is running:

1. Carefully disconnect the ground connection (-). Begin with the vehicle with the discharged battery. Leave the discharged vehicle running.
2. Disconnect the negative lead from vehicle providing the jump.
3. Disconnect the “+” lead from both batteries.
4. Operate the discharged vehicle for approximately 20 minutes. This will allow the charging system to recharge your battery.
5. If this discharge condition recurs, consult your CHEVROLET retailer.

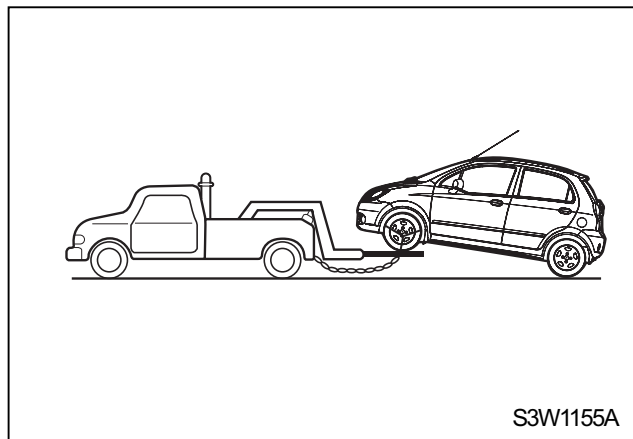
## TOWING THE VEHICLE

If it is necessary to tow your vehicle, contact a retailer or a professional tow truck service.

### ▲ WARNING

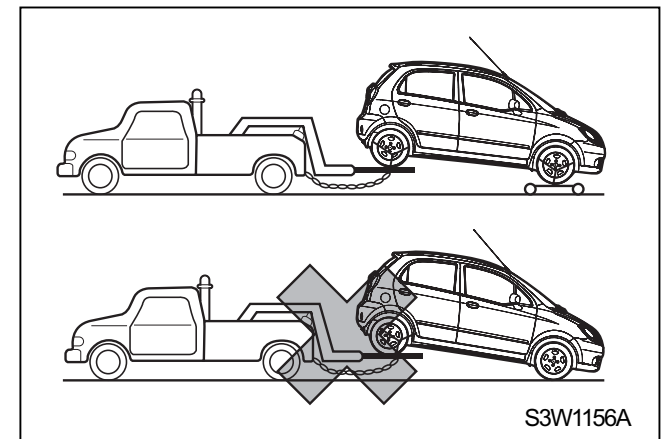
- **Never let passengers ride in a vehicle that is being towed.**
- **Never tow a vehicle faster than safe or posted speeds.**
- **Never tow a vehicle with damaged parts that are not fully secured on the vehicle.**

**Failure to observe these precautions can result in personal injury.**



## Towing your vehicle with a wheel lift

1. Turn hazard flashers on.
2. Turn ignition switch to ACC.
3. Shift manual transaxle to NEUTRAL.
4. Release parking brake.





5. Tow the vehicle with the front wheels off the road.

**▲ CAUTION**

- **Do not use sling-type equipment to tow the vehicle.**
- **Use flat bed or wheel lift equipment.**

**EMERGENCY TOWING**

If towing service is not available in an emergency, your vehicle may be temporarily towed by a cable secured to one of the emergency towing eyes under the vehicle.

**Front Towing Eyes**

The front towing eyes are provided under the front bumper. A driver must be in the vehicle to steer it and operate the brakes.

Towing in this manner may be done only on hard-surfaced road for a short distance and at low speeds.

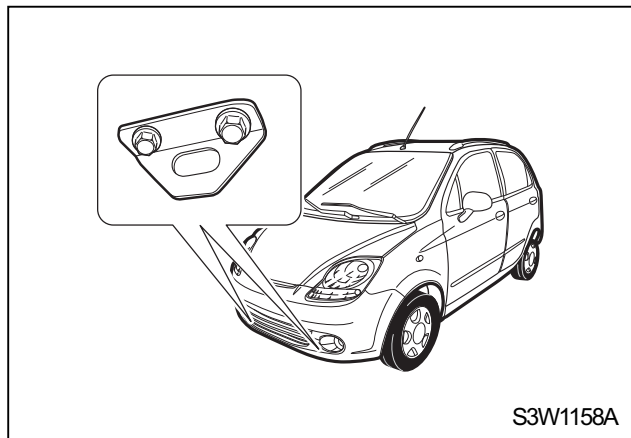
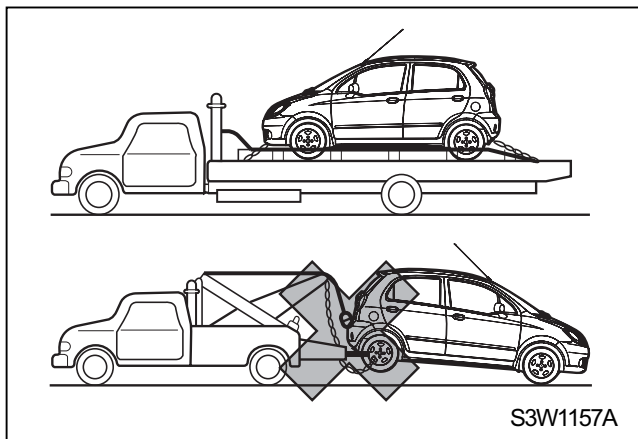
Also the wheels, axles, drive train, steering and brakes must be all in a good condition.

**▲ CAUTION**

**When towing the vehicle with a tow rope, the vehicle can be damaged.**

**To reduce damage:**

- **Use towing eyes only if no other towing equipment is available.**
- **Only tow the vehicle from the front.**
- **Keep tow rope clear of bumper.**
- **Ensure tow rope is securely fixed to towing eyes, at both ends. Check by pulling on tow rope.**
- **Drive off slowly and avoid jerky movements.**



**▲ WARNING**

**When towing with a tow rope, control of towed vehicle can be lost.**

- **Do not tow if the wheels, transaxle, axles, steering or brakes are damaged.**
- **Do not remove the key from the ignition switch as this will lock the steering and this will make the vehicle undriveable.**

**Rear Towing Hook**

When towing another vehicle, use the rear towing hook. It should be used only in an emergency situation. (for example, to pull the vehicle out of a ditch, a snow bank, or mud.)

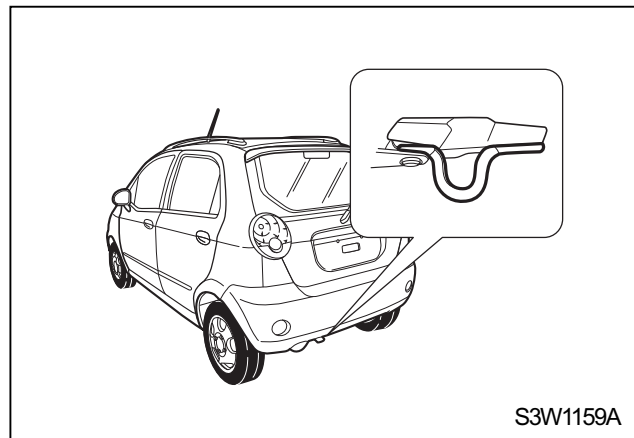
When the rear towing hook is used, always pull the cable or chain in a straight direction with respect to the hook. Do not apply force to the hook from any side direction. To prevent damage, do not take up slack in the cable too quickly.

**ROCKING YOUR VEHICLE**

If stuck in snow, mud or other loose surfaces, the procedure below may allow you to free your vehicle.

1. Turn the steering wheel fully left then right. This will clear the area around your front tyres.
2. Shift back and forth between R and a forward gear.
3. Spin the wheels as little as possible.
4. Release the accelerator pedal while you shift.
5. Press lightly on the accelerator pedal when the transaxle is in gear.

If that doesn't release your vehicle after a few tries, your vehicle may need to be towed.



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**▲ WARNING**

**If you rock your vehicle to make it out when it becomes stuck in snow, mud or sand etc.;**

- **First check that there is no physical object or people around the vehicle.**

**During operation, the vehicle may suddenly move forward or backward, causing injury or damage to nearby people or objects.**

**NOTE**

**If you rock your vehicle, observe the following precautions to prevent damage to the transaxle and other parts;**

- **Do not depress the accelerator pedal while shifting or before the transaxle is completely shifted to forward or reverse.**
- **Do not race the engine and avoid spinning the wheels.**

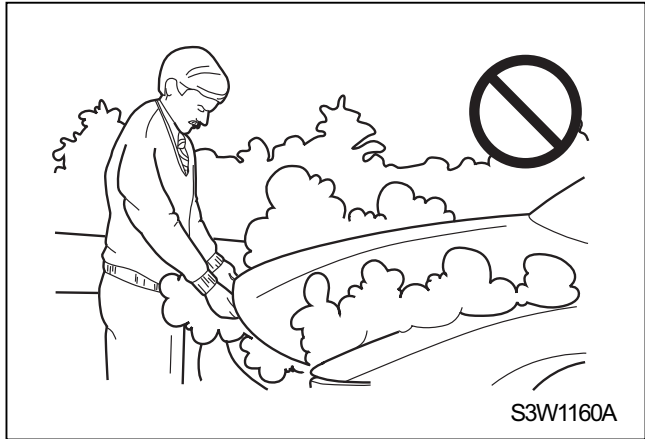
**OVERHEATING**

If the engine coolant temperature gauge indicates the engine is overheating, or if you have any other reason to suspect the engine may be overheating:

1. Stop the vehicle.
2. Turn off the air conditioning.
3. Let the engine idle for a few minutes.
4. Be sure the cooling fan is operating.

**▲ WARNING**

**If steam is visible, move away from vehicle until engine is cool. Steam can cause serious burns.**



**NOTE**

**Using A/C while driving up long hills or in heavy traffic can cause the engine overheating.**

If the fan is not operating and steam is visible, perform the following:

1. Turn off engine.
2. Move away from vehicle without opening the hood.
3. Allow engine to cool.
4. When steam is no longer visible, carefully open hood.
5. Consult your CHEVROLET retailer as soon as possible.

If the fan is operating and steam is not visible, perform the following:

1. Carefully open the hood.
2. Idle engine until cool.
3. Check coolant level.

If the fan is operating, but engine temperature does not fall, perform the following:

1. Stop the engine.
2. Carefully open the hood.
3. Allow the engine to cool.
4. Check the coolant level.

If the coolant level is low, check for leaks from following components:

1. Radiator.
2. Radiator hoses.
3. Radiator connections.
4. Heater hoses.
5. Heater hose connections.
6. Water pump.

If you find a leak or other damage, or if the coolant is still leaking, consult CHEVROLET retailer immediately. Do not drive the vehicle until these problems have been solved.

**▲ WARNING**

**Scalding hot coolant steam could be blown out under pressure, which could cause serious injury.**

- **Never remove the coolant reservoir cap when engine and radiator are hot.**

# 7

## SERVICE AND VEHICLE CARE

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## SAFETY PRECAUTIONS

When performing any inspection or maintenance work on your vehicle, take precautions to reduce the risk of personal injury or damage.

General precautions to observe when performing vehicle service:

- Do not work on the engine while it is hot.

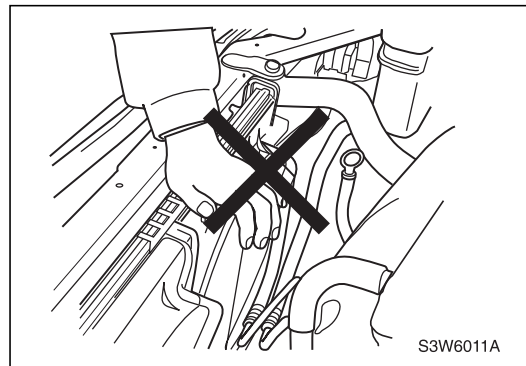
### ▲ WARNING

**The catalytic converter and other exhaust components while engine is running can get very hot.**

**Touching the related parts while engine is running can result in severe burns.**

- Never get under the vehicle while it is supported by a jack. If it is necessary to work under the vehicle, use safety stands.
- Keep smoking materials, flames, and sparks away from the battery, all fuel, and fuel-related parts.

- **Never connect or disconnect the battery or any transistorized components while the ignition switch is ON.**
- When connecting the battery cables, pay special attention to their polarities. Never connect a positive cable to a negative terminal, or a negative cable to a positive terminal.
- Remember that the battery, ignition cables, and your vehicle wiring carry high current or voltage. Be careful not to cause a short circuit.
- Make sure there is proper ventilation whenever you have the engine running in an enclosed space such as a garage



- Keep used oil, coolant, and other fluids out of reach of children and pets.
- Do not dispose of empty oil and fluid containers, or those containing used oil or fluid, with your household waste. Use only locally authorized automotive waste disposal facilities.
- If it is necessary to check under the hood while the engine is running, take care to avoid unexpected and sudden movements of your vehicle. For a manual transaxle, place the shift lever in neutral and apply the parking brake firmly.
- To avoid the possibility of personal injury, always turn the ignition off and remove the key before working under the hood, unless the procedure specifically requires to do so. If the procedure requires you to work under the hood while the engine is running, remove loose clothing and jewelry that can be caught in moving parts and cause personal injury.

**Engine compartment cooling fan****▲ CAUTION**

The electric cooling fans (in the engine compartment) are controlled by sensors. These fans may come on at any time.

- It is important to keep hands, fingers, and any loose articles clear of the fan blades.

To avoid possible injury from the cooling fan, switch off the engine so the fan is not operating before you perform any engine checks.

Also, be aware that the electronic ignition system has a higher voltage than conventional systems. Therefore, it is highly dangerous to touch live parts when your vehicle's ignition is ON.

**DRIVER'S CHECK LIST**

To maintain safe and dependable operation of your vehicle, periodically check the exterior, interior, and engine compartment.

**EXTERIOR****Tyres**

- Properly inflated.
- No cracks on sidewall or tread.
- No foreign objects in tread.

**Wheels**

- Nuts and bolts are torqued to proper setting. (See "HOW TO CHANGE A FLAT TYRE" in the index of Section 6)

**Lamps**

- Operation of all running, head, tail, side markers, turn signals, brake and fog lamps.

**Fluids**

- Check proper fill level of all fluid reservoirs under hood.

**Windshield wipers**

- Inspect condition of arms and rubber inserts (including rear wiper if so equipped.).

## **INTERIOR**

### **Steering**

- Check for excessive looseness (free play) in steering wheel.

### **Parking brake**

- Make sure parking brake lever travel is appropriate.

### **Instrument panel**

- Check proper operations of all instrument panel gauges, controls, and warning lamps.

### **Mirrors**

- Be sure the reflective surface of all three mirrors is in good condition and clean.
- Check for ability to easily re-adjust all mirrors.

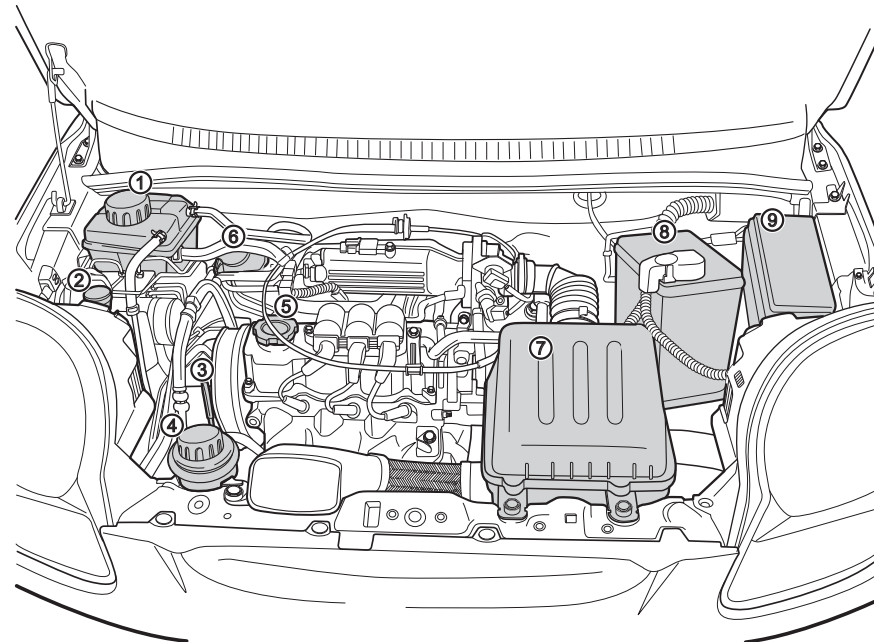
### **Controls**

- Check for proper play on brake and clutch pedals.



## ENGINE COMPARTMENT

### 1.0 SOHC MODEL



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- |                             |                                    |                                    |
|-----------------------------|------------------------------------|------------------------------------|
| 1. Engine Coolant Reservoir | 4. Power Steering Fluid Reservoir* | 7. Air Cleaner                     |
| 2. Washer Fluid Reservoir   | 5. Oil Fill Cap                    | 8. Battery                         |
| 3. Engine Oil Dipstick      | 6. Brake Fluid Reservoir           | 9. Underhood Fuse and Relay Center |

## ENGINE OIL

Keep your engine properly lubricated by keeping the engine oil at the proper level.

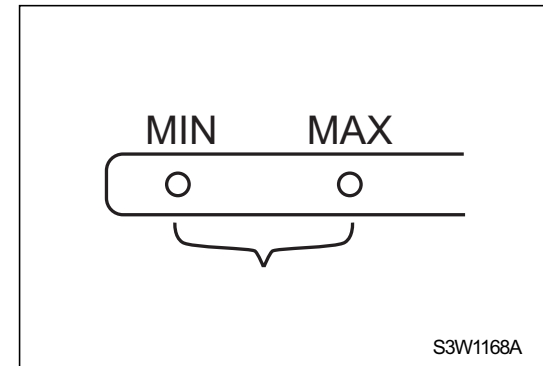
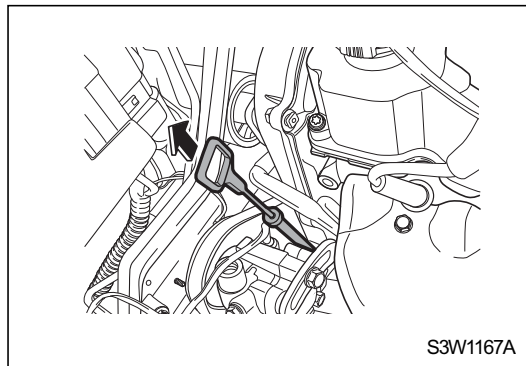
It is normal for an engine to consume some engine oil.

Check the oil level at regular intervals.

If the engine oil pressure warning lamp (⚠️) on the instrument panel comes on, you need to check your engine oil level right away.

### CHECKING ENGINE OIL LEVEL

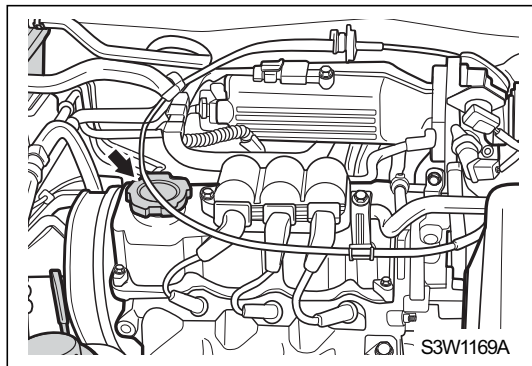
1. Park vehicle on level ground.
2. After stopping engine, wait a few minutes to allow oil to drain back into oil pan. If engine is cold, oil will take longer to drain into the pan.
3. Pull out the dipstick and wipe it clean.
4. Re-insert dipstick completely.
5. Pull the dipstick out again.
6. Check the oil on the dipstick to make sure it is not contaminated.
7. Check oil level, as shown on the dipstick. Oil should be between MIN and MAX



8. If the oil level is below MIN, add enough oil of the same grade as is currently in the engine to raise the oil level to MAX. Do not fill over MAX mark.

The engine oil filler cap is located on the cylinder head cover as shown in the illustration below.

See “FLUID CHART” in the index of Section 9 for oil specification.



**▲ WARNING**

**Engine oil is an irritant and, if ingested, can cause illness or death.**

- **Keep out of reach of children.**
- **Avoid repeated or prolonged contact with skin.**
- **Wash exposed areas with soap and water or hand cleaner.**

**▲ WARNING**

**Adding too much oil can affect engine operation.**

- **Do not allow oil to go above MAX mark on dipstick.**

**Overfilling can damage your vehicle by:**

- **Increasing oil consumption.**
- **Fouling spark plugs.**
- **Building excessive carbon deposits in the engine.**

**CHANGING ENGINE OIL AND FILTER**

Engine oil loses its ability to lubricate when contaminated. Be sure to change your engine oil according to maintenance schedule.

Be sure to replace the engine oil filter each time you change engine oil.

Under severe conditions, change oil and oil filter more frequently than is recommended in the standard maintenance schedule.

Severe conditions include, but are not limited to:

- Frequent cold starts.
- Considerable travel in stop-and-go traffic.
- Frequent short trips.
- Frequent driving when outside temperature remains below freezing.
- Prolonged idling.
- Frequent low-speed driving.
- Driving in dusty areas.

**▲ WARNING**

**Engine oil and its containers can be hazardous to your health.**

- **Avoid repeated or prolonged contact with engine oil.**
- **Clean your skin and nails with soap and water, or hand cleaner after handling engine oil. Also keep this and other toxic materials out of the reach of children.**

**Engine oil can irritate the skin and can cause illness and even death if swallowed.**

**▲ CAUTION**

**Use of unauthorized or low quality engine oil or chemical engine treatments (additives) can damage the engine.**

- **Consult your CHEVROLET retailer before attempting to use additives.**

**▲ CAUTION**

- **Do not dispose of used engine oil and filter with your household waste.**
- **Use your local, authorized waste management facility.**

**Used engine oil and filter contain harmful elements that may be unhealthy to you and threat to the environment.**

## RECOMMENDED ENGINE OIL AND MAINTENANCE SCHEDULE

### Recommended engine oil

See “FLUID CHART” in the index of Section 9 for recommended engine oil and capacity.

### Maintenance schedule

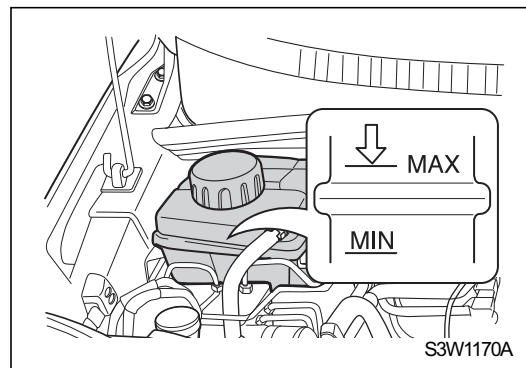
See “SCHEDULED MAINTENANCE SERVICES” in the index of Section 8.

## COOLANT

Your vehicle cooling system is filled with silicate based coolant.

In the correct mixture, this coolant provides the cooling and heating system with excellent protection against corrosion and freezing.

When the engine is cool, the coolant level should be between the MIN and MAX mark on the coolant reservoir. The level of coolant rises as the engine warms and drops back as the engine cools.



### CAUTION

**Plain water or the wrong mixture can damage the cooling system.**

- **Do not use plain water, alcohol or methanol antifreeze in coolant system.**

**The engine may overheat or even catch fire.**

If the coolant level falls below the MIN mark, add the proper coolant mixture at the coolant reservoir, but only when the engine is cool.

In order to protect your vehicle in extremely cold weather, use GMI approved coolant.

 **WARNING**

Scalding hot coolant and steam could be blown out under pressure, which could cause serious injury.

- Never remove the coolant reservoir cap when the engine and radiator are hot.

 **CAUTION**

Coolant can be hazardous material.

- Avoid repeated or prolonged contact with coolant.
- Clean your skin and nails with soap and water after coming in contact with coolant.
- Keep out of reach of children.
- Coolant can irritate the skin and can cause illness or death if swallowed.

**COOLANT SPECIFICATION AND MAINTENANCE SCHEDULE**

**Coolant specification**

See “FLUID CHART” in the index of Section 9 for recommended coolant and capacity.

**Maintenance schedule**

See “SCHEDULED MAINTENANCE SERVICES” in the index of Section 8.

 **CAUTION**

It is not needed to add coolant more frequently than the recommended interval. If you are adding coolant often, this may be a sign that your engine needs maintenance.

Contact your retailer for a check of the cooling system.

## BRAKE FLUID

Brake fluid can absorb moisture. Excessive moisture in the fluid may reduce the effectiveness of the hydraulic brake system. Change the fluid according to this manual to prevent hydraulic system corrosion.

Use only recommended Brake fluid. Keep reservoir filled to the proper level. Do not allow the level to fall below MIN mark or to rise beyond the MAX mark.

A low fluid level in the brake fluid reservoir can be either an indication of a leak in the brake system or a normal indication caused by usual brake pad/lining wear. Consult your CHEVROLET retailer to determine if the system needs repair and add fluid after work is done on your hydraulic brake system if it is required.

When your brake fluid drops to low level, the brake system warning lamp (ⓈⓈ) will come on.

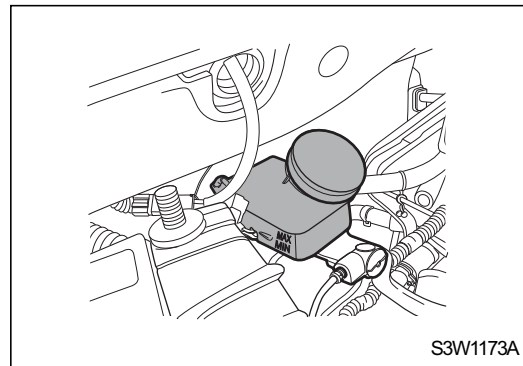
### ADDING BRAKE FLUID

1. Thoroughly wipe away dirt from around the fluid reservoir cap.

#### ⚠ CAUTION

- **Make sure you thoroughly clean around the brake fluid reservoir cap before removing the cap.**

**Contamination of the brake fluid can affect system performance, leading to costly repairs.**



2. Unscrew the filler cap.
3. Use the proper recommended brake fluid to fill the reservoir to the MAX mark. Be careful not to spill the fluid on painted surfaces. If this happens, use cold water to wash the affected area immediately.

#### ⚠ CAUTION

**An overflow of brake fluid on the engine may cause the fluid to burn.**

- **Do not overfill the reservoir.**

**An engine fire can cause personal injuries and damage your vehicle and other property.**

4. Reinstall the reservoir cap.

**▲ CAUTION**

- **Do not dispose of used brake fluid with your household waste.**
- **Use your local, authorized waste management facility.**

**Used brake fluid and their containers are hazardous. They can damage your health and the environment.**

**▲ CAUTION**

**Brake fluid is harsh and can irritate skin and eyes.**

- **Do not allow the brake fluid to contact your skin or eyes. If it does, immediately wash the affected area thoroughly with soap and water, or hand cleaner.**

**RECOMMENDED BRAKE FLUID AND MAINTENANCE SCHEDULE**

**Recommended brake fluid**

See “FLUID CHART” in the index of Section 9 for recommended brake fluid and capacity.

**Maintenance schedule**

See “SCHEDULED MAINTENANCE SERVICES” in the index of Section 8.

**MANUAL TRANSAXLE FLUID CHECKING MANUAL TRANSAXLE FLUID LEVEL**

**▲ WARNING**

**This work requires special skill and equipments to be completed.**

**Before attempting to do the work, be sure you are fully acquainted with doing this job.**

- **Have your retailer do this work if you are not confident of completing the task safely.**

**Otherwise, you could be injured or damage the vehicle.**

1. Turn the engine off.
2. Allow the transaxle to cool. It must be cool enough for you to rest your fingers on the transaxle case.



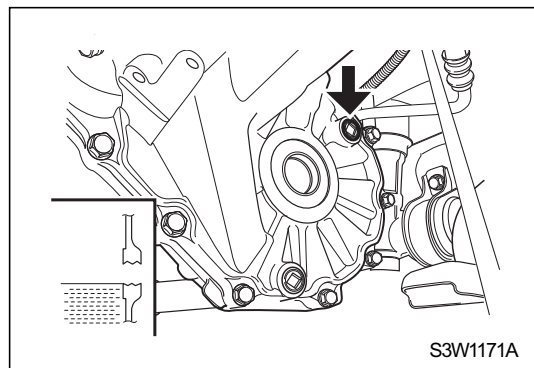
**▲ CAUTION**

**Heat from engine, transaxle or fluid can cause severe burns.**

- **Make sure the transaxle is cool to the touch before you attempt this procedure.**

**Working on the engine before it has cooled properly can result in personal injuries.**

3. Remove filler plug.
4. Make sure the fluid reaches the bottom edge of the filler plug hole.



5. If the level is low, add fluid until it begins to run out the filler hole.
6. After filling to the correct level, reinstall the plug securely.

**▲ CAUTION**

**Too much fluid will decrease vehicle performance.**

- **Do not overfill the manual transaxle fluid.**

**This can damage the transaxle.**

7. Visually check the transaxle case for leaks or damage.

**RECOMMENDED MANUAL TRANSAXLE FLUID AND MAINTENANCE SCHEDULE**

**Recommended manual transaxle fluid**

See “FLUID CHART” in the index of Section 9 for recommended manual transaxle fluid and capacity.

**Maintenance schedule**

See “SCHEDULED MAINTENANCE SERVICES” in the index of Section 8.



## POWER STEERING FLUID (Option)

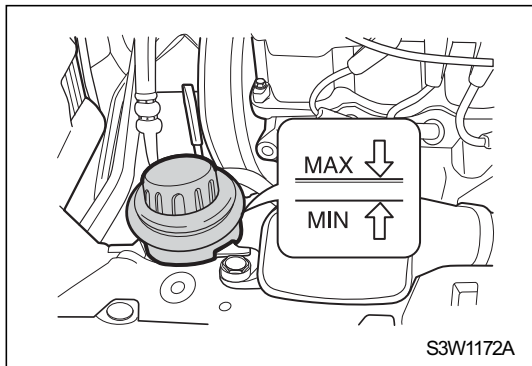
### CHECKING POWER STEERING FLUID LEVEL

Regularly check power steering fluid level. The power steering fluid reservoir is located in front of the battery.

#### ▲ CAUTION

- Do not operate vehicle without the required amount of power steering fluid.

To do so can damage power steering system of your vehicle, leading to costly repairs.



1. Turn the engine off.
  2. Check the fluid level. It should be between MIN and MAX on the reservoir.
- If level drops to or below MIN, add fluid as specified in this manual.

### ADDING POWER STEERING FLUID

1. Wipe the cap and the top of the reservoir clean.
2. Unscrew the cap.
3. Add the power steering fluid. Be sure to maintain the level between MIN and MAX mark.
4. Replace the cap.

#### ▲ CAUTION

An overflow of the fluid may cause the fluid to burn or discolor paintwork.

- Do not overfill the reservoir.

An engine fire can cause personal injuries and damage your vehicle and other property.

## RECOMMENDED POWER STEERING FLUID AND MAINTENANCE SCHEDULE

### Recommended power steering fluid

See “FLUID CHART” in the index of Section 9 for recommended power steering fluid and capacity.

### Maintenance schedule

See “SCHEDULED MAINTENANCE SERVICES” in the index of Section 9.

## WINDSHIELD WASHER FLUID

Before you drive, make sure the windshield washer fluid reservoir is at the appropriate level and filled with the correct solution.

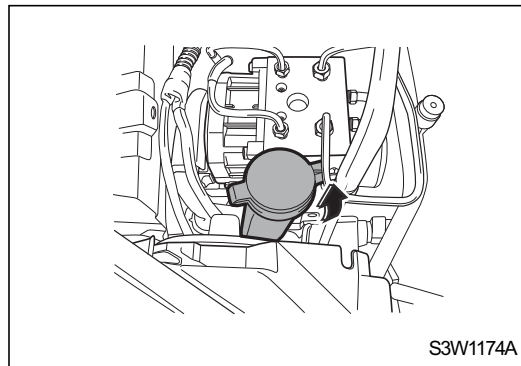
In cold weather, do not fill the windshield washer fluid reservoir more than three quarters full.

Washer fluid can freeze to expand in cold temperatures. Filling the reservoir too much does not allow enough expansion room to prevent possible damage to the reservoir.

### NOTE

**To refill windshield washer fluid reservoir:**

- **Use only commercially available ready-to-use washer fluid for that purpose.**
- **Do not use tap water. Minerals present in tap water may plug the windshield washer lines.**



### WIPER BLADES

Check the condition of the wiper blades regularly.

If the wiper blades are not wiping properly, clean the window glass and the blades with a mild detergent and rinse with water.

#### NOTE

**Do not use any of the following as a cleaner:**

- solvents
- gasoline
- kerosene
- paint thinner
- silicone-based polish

**Otherwise, the vehicle could be damaged.**

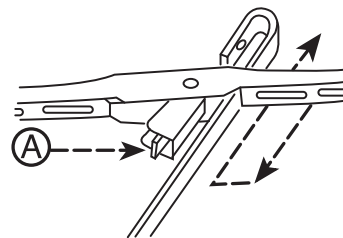
#### NOTE

**Do not use a silicone-based polish on the window glass. Silicone will permanently streak the glass.**

#### ⚠ CAUTION

**Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property.**

Wiper blades will eventually wear out and not wipe properly, reducing forward vision.



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Replacement is necessary if:

- The wiper blade is hard, brittle or cracked.
- The wiper blade no longer effectively clears the windshield.

To replace a wiper blade, do the following:

1. Press and hold the retaining clip (A).
2. Take the worn wiper blade off the wiper arm.
3. Install a new wiper blade onto the wiper arm.

## AIR CLEANER

Regularly inspect and change the air cleaner element according to the service schedule in this manual.

### ⚠ CAUTION

**The engine needs clean air to operate properly.**

- **Do not operate your vehicle without the air cleaner element installed.**

**Driving without the air cleaner element properly installed can damage your engine.**

### CLEANING THE AIR CLEANER

If the air cleaner element is dirty, you may try to clean it as follows:

1. Open the hood and remove the cover **(A)**.
2. Remove the filter. Take care to dislodge as little dirt as possible.
3. Clean the inside of the housing.
4. Cover the housing with a damp cloth while cleaning the filter.
5. Away from the vehicle's engine compartment, lightly shake the filter to release loose dust and dirt.

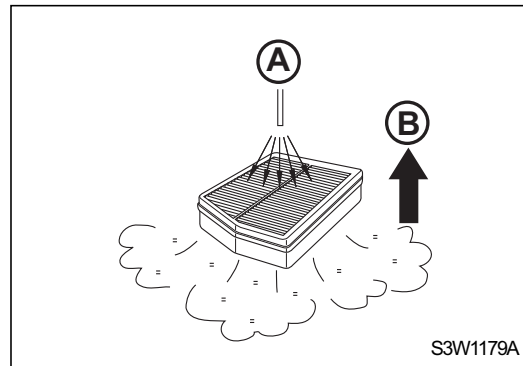
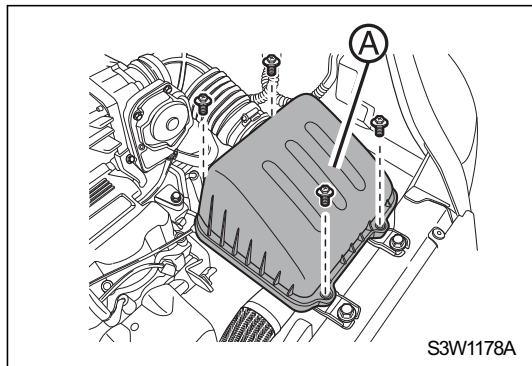
6. Clean the filter by blowing compressed air through it in direction **(A)** opposite of normal airflow **(B)**.

7. Change the filter if it remains caked with dirt.

Reinstall the cover when you are done.

### MAINTENANCE SCHEDULE

See "SCHEDULED MAINTENANCE SERVICES" in the index of Section 8.



## SPARK PLUGS

### IGNITION SYSTEM

#### ▲ WARNING

Electric ignition systems have greater voltage than conventional systems.

- Do not touch components of ignition system. Touching ignition system components could cause shock or electrocution, resulting in serious injuries.

If you experience reduced performance or fuel economy, follow the procedure to inspect and clean spark plugs.

#### ▲ CAUTION

Spark plugs can become extremely hot and could cause serious injury.

- Do not handle hot spark plugs.

### INSPECTING AND REPLACING SPARK PLUGS

1. Once the engine has cooled to the touch, disconnect the spark plug wire by pulling on the boot, not the cable.
2. Use a 21 mm spark plug socket and remove the spark plugs from the engine. Be sure contaminants not to enter the spark plug hole.
3. Inspect the spark plugs for broken insulator. Replace the plug if the insulator is cracked or broken. Otherwise, wipe the insulator clean.
4. Using a very fine wire brush, clean the upper contact tip and electrode. After cleaning, adjust the gap to the specification.

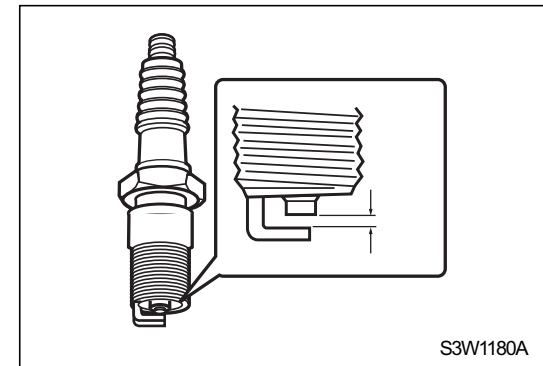
See “VEHICLE SPECIFICATION” in the index of Section 9 for the spark plug specification.

5. Install each spark plug by hand as far as it will go.

#### NOTE

When replacing new spark plugs, the entire set should be replaced at a time.

6. Torque each spark plug.
7. Fasten the spark plug wire terminal squarely and firmly over the end of each spark plug until you feel it snap into place. Make sure the spark plug wires are in the correct order.



**▲ CAUTION**

- **Over-tightened spark plugs can damage the threads in the cylinder head.**
- **Under-tightened spark plugs can cause the spark plug to become very hot.**

**Over-tightening or under-tightening of spark plugs can damage the engine.**

**SPARK PLUG SPECIFICATION AND MAINTENANCE SCHEDULE****Spark plug specification**

See “VEHICLE SPECIFICATION” in the index of Section 9 for the type and the gap of the spark plugs.

**Maintenance schedule**

See “SCHEDULED MAINTENANCE SERVICES” in the index of Section 8.

**DRIVE BELT**

In order for the generator, power steering pump and air conditioning compressor to function properly, the drive belt should be in good condition and should be adjusted properly.

Replace the drive belt if it is worn, cracked, or frayed.

**▲ CAUTION**

**Do not leave the key in the ignition while checking the drive belt.**

**Otherwise, the engine could be started unexpectedly.**

**Fans or other moving engine parts can injure you badly.**

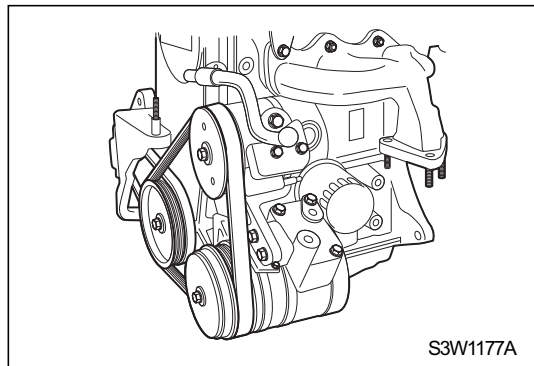
To check the drive belt tension, do the following:

1. Apply moderate thumb pressure (approximately 10 kgf) midway along the longest, unsupported span of the drive belt.

The deflection of the drive belt (caused by your thumb pressure) should be about 10 mm.

2. If the belt is too loose, see your retailer for service.

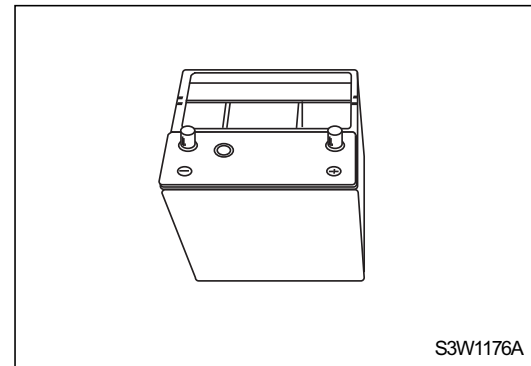
See the Maintenance Schedule for more information.



## BATTERY

Your vehicle is equipped with a maintenance-free battery.

<b>▲ WARNING</b>
<b>Battery acid can cause severe burns, explode, and damage paint.</b>
<ul style="list-style-type: none"><li>• <b>Avoid skin and clothing contact with battery acid.</b></li><li>• <b>Keep flames, sparks and smoking materials away from battery.</b></li></ul>



## CLEANING THE BATTERY TERMINALS

1. Turn the ignition OFF and remove the key from the ignition key slot.
2. Use a wrench to loosen and remove the battery cable clamps from the terminals. Always disconnect the negative (-) terminal first.
3. Use a wire brush or a terminal cleaning tool to clean the terminals.
4. Check the battery terminals for white or bluish powder, which are signs of corrosion.
5. Remove any corrosion with a solution of baking soda and water. The baking soda-and-water solution will bubble and turn brown.
6. When the bubbling stops, wash the solution off with plain water and dry the battery with a cloth or paper towel.
7. Reconnect and tighten the positive (+) terminal, then the negative (-) terminal. Always reconnect the negative terminal (-) last.



**▲ CAUTION**

- **When reconnecting the cable to the battery, be careful to ensure the clamps are fully seated, then tighten the retaining bolts so the clamps will not vibrate loose.**
- **Be sure to attach the red cable to the positive (+) battery terminal and the black cable to the negative (-) battery terminal.**

**Connecting the vehicle's battery cables to the wrong terminals can result in personal injuries and damage to your vehicle and other property.**

8. Coat the terminals with petroleum jelly or terminal grease to help prevent future corrosion.

**BATTERY MAINTENANCE**

To extend the life of your vehicle's battery, be sure to do the following:

- Keep the battery mounted securely.
- Keep the top of the battery clean and dry.
- Keep the terminals and connections clean, tight and coated with petroleum jelly or terminal grease.
- Immediately rinse off any spilled electrolyte using a solution of water and baking soda.
- If your vehicle will not be used for an extended time, disconnect the cable from the negative (-) terminal.
- Charge a disconnected battery every six weeks.

**NOTE**

**Batteries contain toxic material. Used batteries can be hazardous to health and environment.**

- **Do not dispose of battery with household waste. Use locally authorized automotive waste disposal facilities only.**

## BRAKING PEDAL

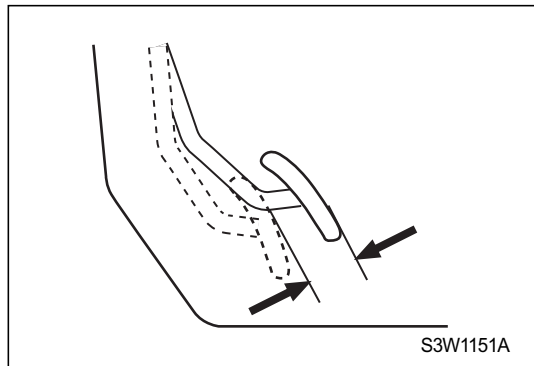
### BRAKE PEDAL FREE PLAY

Brake pedal free play must be 6-10 mm.

To check the brake pedal free play, turn the engine off and press the brake pedal several times to deplete the vacuum in the brake system.

Then, when you press the brake pedal by hand, measure the distance the pedal moves until there is a slight resistance.

See your retailer if the brake pedal free play differs from the norm. The brakes need to be adjusted.

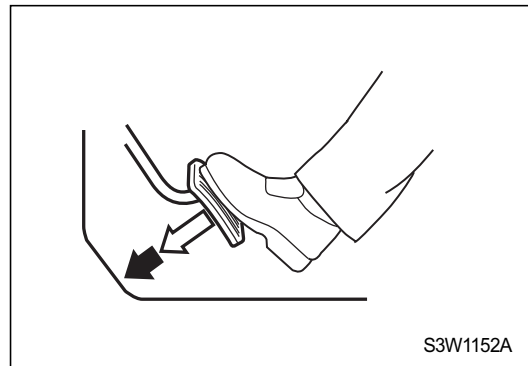


### ANTILOCK BRAKE SYSTEM (Option)

The antilock brake system helps you maintain directional stability on wet or slippery road surfaces. It automatically controls the brake operation when braking.

This occurs only during a brake application which would have caused one or more wheels to lock. You don't have to 'pump' the brakes. Just hold the brake pedal down. You may feel or hear it pulsate, but this is normal.

The antilock brake system can help you maintain steering control during a hard brake application.



### NOTE

**The antilock brake system does not change the time you need to apply the brakes, and it does not always decrease stopping distances. Always leave enough room to stop.**

If the Antilock Brake System Warning Light turns on, there is a problem with the brake system.

### PARKING BRAKE LEVER TRAVEL

The parking brake lever travel must be 5-7 notches, with a force of approximately 20 kgf.

To check the parking brake lever travel, turn the engine off. Apply the parking brake and count the notch clicks.

See your retailer if the parking brake travel differs from the norm. The parking brake needs to be adjusted.

**▲ CAUTION**

**If the parking brake is not set properly, the vehicle may move suddenly and/or cause an accident. See a retailer for service if brake adjustment is required.**

**▲ CAUTION**

**Do not use the parking brake while the vehicle is in motion, or as a substitute for the brake pedal.**

**You could lose control of the vehicle and you or others may be injured.**

**NOTE**

**Do not drive with the parking brake set.**

**Driving with the parking brake on can cause the rear brakes to overheat.**

**The rear brakes, and even other parts of the vehicle, may be damaged. Always check that the parking brake is fully released before you begin to drive. Make sure the brake system warning light is off.**

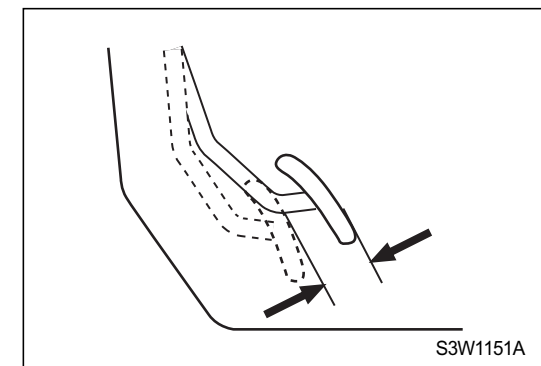
## CLUTCH PEDAL

### CHECKING CLUTCH PEDAL FREE PLAY

**Clutch pedal free play must be: 0 mm**

To check the clutch pedal free play, do the following:

1. Turn engine off.
2. Press clutch pedal by hand measuring distance the pedal moves until you feel resistance.
3. If free play differs from that specified above, have your retailer adjust the clutch pedal or linkage.



## CATALYTIC CONVERTER

### ▲ CAUTION

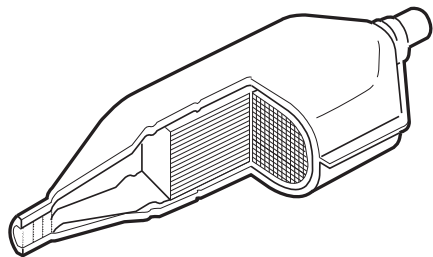
Your vehicle is equipped with a catalytic converter.

- Do not use leaded fuel in this vehicle.

On vehicles with a catalytic converter, the fuel tank has a narrow filler neck which makes it impossible to insert a nozzle for leaded fuel.

### ▲ CAUTION

The catalytic converter can be damaged by imperfect combustion if you keep starting the engine with the accelerator pedal pressed when having difficulty in starting the engine.



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### ▲ CAUTION

- Do not drive your vehicle if the engine is running roughly or lacks power. These symptoms can point to serious mechanical problems.

**Operating your vehicle under these conditions can cause serious damage to the catalytic converter and other parts of the vehicle.**

Consult your CHEVROLET retailer as soon as possible if any of the following occur:

- Engine misfires.
- Engine runs rough following a cold start.
- Engine loses power.
- Vehicle exhibits unusual operating conditions which may indicate a fault in the ignition system.

### ▲ CAUTION

- Avoid frequent repeated cold starts.
- Do not hold the key in START for more than 15 seconds while trying to start your vehicle.
- Do not let the fuel tank run dry.
- Do not start the engine by pushing or towing your vehicle. Use jump starting.

**Failure to follow these instructions may damage your vehicle engine, fuel, and/or emission systems.**

Make sure to have all your vehicle maintenance done by a retailer.

This will insure that:

- All vehicle components operate correctly.
- Your vehicle will have minimal exhaust emissions.
- Your vehicle's catalytic converter system will have a long life.

## WHEELS AND TYRES

Factory-fitted tyres are matched to your vehicle, offering the most effective combination of ride comfort, tread life and performance.

<b>▲ CAUTION</b>
<p><b>Use of unsuitable tyres and/or wheels may lead to a collision.</b></p> <ul style="list-style-type: none"> <li>• <b>Consult your CHEVROLET retailer before you change your original tyres or wheels.</b></li> </ul> <p><b>This can result in personal injuries and damage to your vehicle or other property.</b></p>

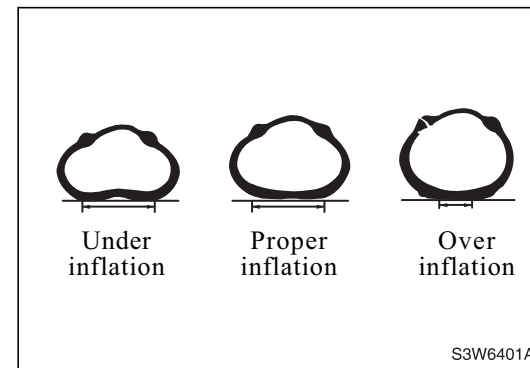
### MAINTENANCE

<b>▲ WARNING</b>
<ul style="list-style-type: none"> <li>• <b>Never overload your vehicle.</b></li> <li>• <b>Always drive with properly inflated tyres.</b></li> <li>• <b>Always check tyre inflation pressure when the tyres are cold (ambient temperature).</b></li> </ul>

Maintaining tyres at pressure specified in this manual will ensure the most effective combination of driving comfort, safety and performance.

Use an accurate tyre pressure gauge to check the pressure of tyres when they are cold. Securely retighten the valve caps after checking tyre inflation pressure.

<b>NOTE</b>
<p><b>Check inflation pressure when tyres are cold. Warm tyres produce inaccurate readings. Tyres become warm after you have driven more than 1.5 kms and stay warm for three hours after vehicle has been stopped.</b></p>



See “VEHICLE SPECIFICATION” in the index of Section 9 for proper tyre inflation pressure.

Tyre condition should be inspected before driving and tyre pressure should be checked each time you fill your fuel tank or at least once a month using a tyre pressure gauge.

Incorrect tyre inflation pressures will:

- Increase tyre wear.
- Impair vehicle handling and safe operation.
- Affect ride comfort.
- Reduce fuel economy.

**If tyre pressure is too low, tyres can overheat and suffer internal damage, tread separation, and even a blowout at high speeds. Even if you later adjust the inflation pressure of your tyres, previous driving with low pressure may have damaged the tyres.**

### Caring for your tyres and wheels

Driving over sharp objects can damage the tyres and wheels. If some objects are unavoidable, drive over them slowly and at a right angle, if possible.

When parking, avoid making contact with the curb.

### Periodic tyre inspection

- Visual damage.
- Foreign objects
- Punctures.
- Cuts.
- Cracks.
- Bulges in the sidewalls.

Check the wheels for damage.

Tyre defects including those above can cause loss of control of your vehicle, resulting in a possible collision.

If your tyres or wheels are damaged or show abnormal wear, consult your CHEVROLET retailer.

#### **▲ CAUTION**

**Use of tyres of a size other than originally fitted to your vehicle may cause interference between tyres and vehicle components, and may result in tyre and vehicle damage.**

### **BUILT-IN TREAD WEAR INDICATOR**

Regularly check the tread depth of your tyres using the tyre's built-in tread wear indicators. Markings on the sidewalls indicate the locations of the tread wear indicators.

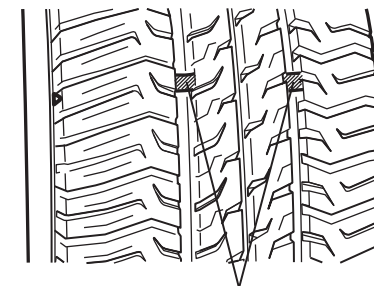
#### **▲ CAUTION**

- **Do not drive on worn or damaged tyres. Such tyres can cause you to lose control of the vehicle and a collision, resulting in injuries or damage to your vehicle or other property.**

Replace tyres when the tread wear indicators become visible. The wear indicators appear between the tread grooves when the tread depth is 1.6 mm (0.06 in) or less.

#### **NOTE**

**Always dispose of worn tyres according to local environmental regulation.**



Tread wear indicator

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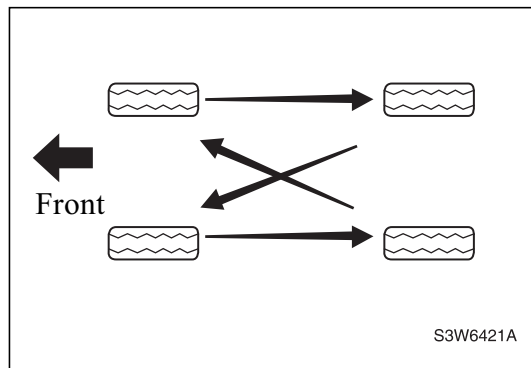
## TYRE ROTATION

Front and rear tyres perform different jobs and can wear differently.

Normally, the front tyres will wear faster than rear tyres. To prolong the life of your tyres and avoid uneven tread wear:

1. Rotate tyres every 7,500 kms.
2. Maintain proper tyre pressure.
3. Check tightening of the lug nuts/bolts.

See “HOW TO CHANGE A FLAT TYRE” in the index of Section 6.



### ⚠ WARNING

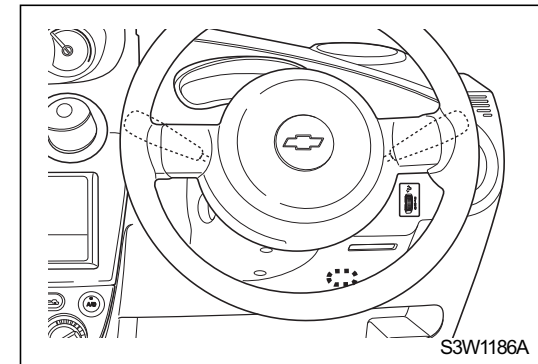
- Use the recommended wheels and wheel lug nuts/bolts only.
- Otherwise, you can lose control of your vehicle and cause a collision that can result in injuries or damage to your vehicle or other property.**

## FUSES AND CIRCUIT BREAKERS

The wiring circuits in your vehicle are protected from short circuits by a combination of fuses, circuit breakers and fusible thermal links. This greatly reduces the chance of fires caused by electrical problems.

The fuse block is on the lower driver's side of the instrument panel.

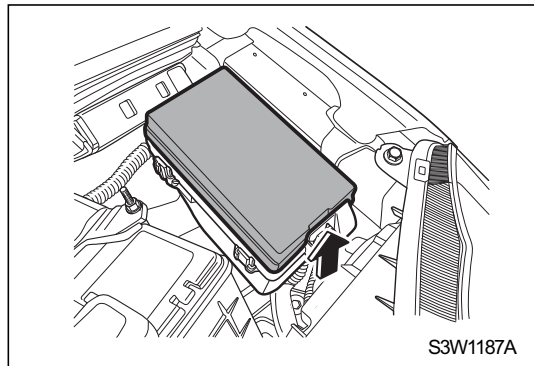
- To remove the fuse block cover, press the tabs on the cover, then lift the cover off.
- To reinstall the cover, press it back into place.



Additional fuses are located in the engine compartment.

The engine compartment fuse block is located next to the battery.

- To remove the fuse block cover, press the tab at the bottom of the cover, then lift the cover off.
- To reinstall the cover, first insert the two tabs at the top, and then press it back into place.



Spare fuses and a fuse extractor are located in the engine compartment fuse block.

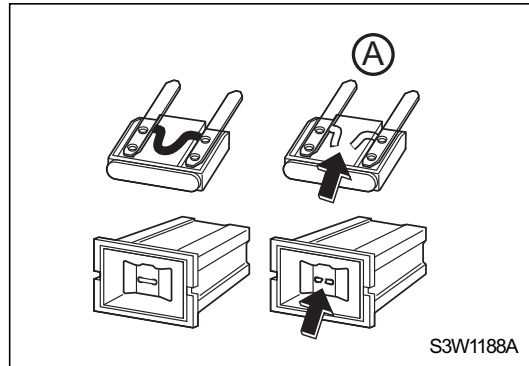
Identify a defective fuse by its melted wire.

Look at the silver-colored band inside the fuse. If the band is broken or melted (A), replace the fuse. Be sure you replace a bad fuse with a new one of the correct size.

Use a fuse extractor to remove the blown fuse.

If a fuse is blown, try to determine and repair the cause of the problem.

Be sure you replace a bad fuse with a new one of the correct size and rating.



**▲ CAUTION**

**Do not use a tool that can conduct electricity when removing a blown fuse. Only use the provided fuse extractor. Using a conductor such as metal can cause a short circuit, damage the electrical system or start a fire. Serious injury could occur.**


**▲ CAUTION**

**Using a fuse substitute or a fuse of the wrong type or rating can damage the electrical system or even start a fire. Be sure you replace a bad fuse with a new one of the correct size and rating. Otherwise, you could be injured or your vehicle could be damaged.**



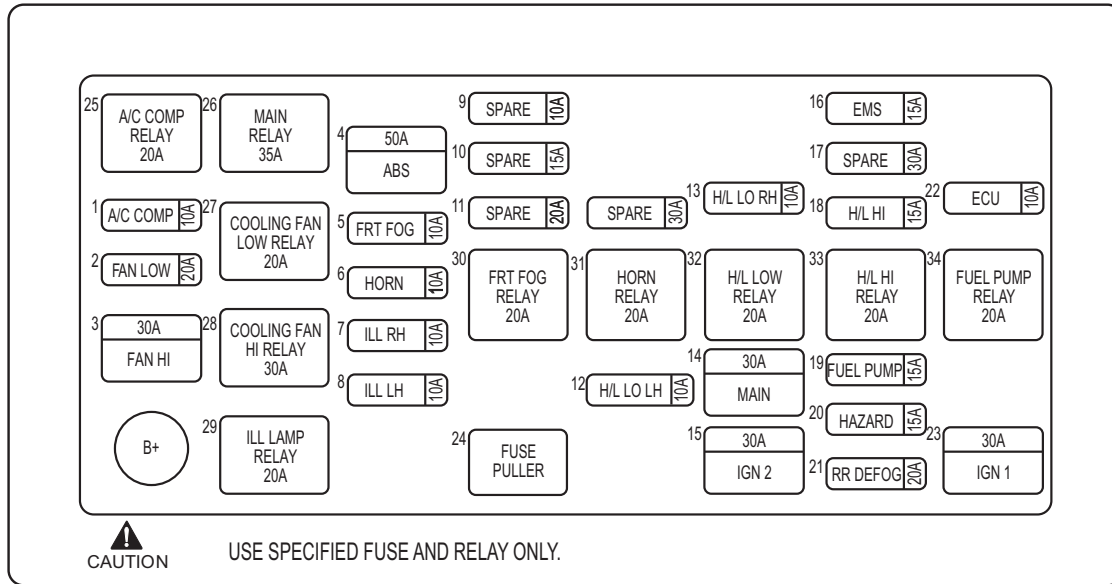
**INSTRUMENT PANEL FUSE BLOCK**

1. Daytime Running Lights
2. Indicator/Warning Lights Display
3. Room Light
4. Door Lock
5. Stoplight
6. Rear Wiper\*
7. Front Wiper
8. Backup Light
9. Blower Motor
10. Cluster
11. Air Bag (NA)
12. Power Window
13. Turn Signal
14. Engine Management System
15. Blank
16. Blank
17. Cigarette Lighter
18. Audio

I.P FUSE BOX			
15A	1	DRL	10A 10 CLUSTER
10A	2	T/T BOX	10A 11 AIR BAG
10A	3	ROOM LAMP	30A 12 P/WINDOW
15A	4	DOOR LOCK	10A 13 T/SIGNAL
10A	5	STOP LAMP	15A 14 EMS
10A	6	REAR WIPER* (WIPER2)	15
20A	7	FRONT WIPER (WIPER1)	16
10A	8	BACKUP LAMP	15A 17 CIGAR
20A	9	BLOW MOTOR	10A 18 AUDIO
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-right: 10px;">   <b>CAUTION</b> </div> <p>USE SPECIFIED FUSES ONLY.</p> </div>			

**ENGINE COMPARTMENT FUSE BLOCK**

1. Air Conditioning Compressor
2. Fan Low
3. Fan Hi
4. Antilock Brake System
5. Front Fog Lights
6. Horn
7. Illumination (Right)
8. Illumination (Left)
9. Spare
10. Spare
11. Spare
12. Left Low Beam Headlight
13. Right Low Beam Headlight
14. Main Power (Battery)
15. Ignition 2
16. Engine Management System
17. Spare
18. High Beam Headlight
19. Fuel Pump
20. Hazard



21. Rear Defogger
22. Engine Control Unit
23. Ignition 1
24. Fuse Puller
25. Air Conditioning Compressor
26. Main Power (Battery)
27. Low Cooling Fan
28. High Cooling Fan
29. Interior and Exterior Lights
30. Front Fog Lights
31. Horn
32. Low Beam Headlight
33. High Beam Headlight
34. Fuel Pump

S3W1190A

## BULB REPLACEMENT

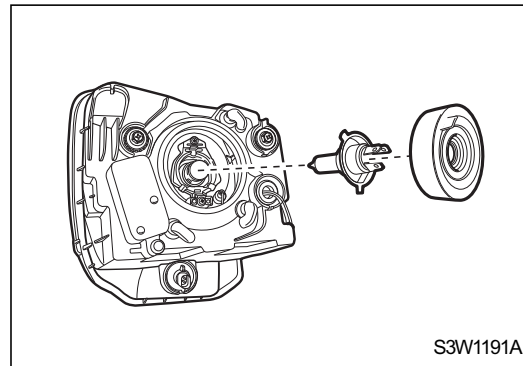
### ▲ CAUTION

Halogen bulbs contain pressurized gas and may burst if dropped or scratched. You or others may be injured. Follow all instructions on the bulb package.

- Wear eye protection when working with bulbs.
- Protect the bulb from abrasion and scratches.
- When the bulb is illuminated and not in a sealed installation, protect it from contact with liquids.
- Only illuminate the bulb when it is installed in a lamp.
- Replace any headlamp that is cracked or damaged.
- Do not touch the replacement bulb with your fingers or hands.
- Keep the bulbs away from children.
- Dispose of used bulbs with care. Otherwise the bulbs can explode.

### HEADLAMPS

1. Open the hood.
2. Remove the two bolts.
3. Disconnect the wiring harness connector from the bulb.
4. Remove the rubber cap covering the bulb assembly.
5. Release the spring that retains the bulb.
6. Remove the bulb.
7. Reverse the steps to install a new bulb.



S3W1191A

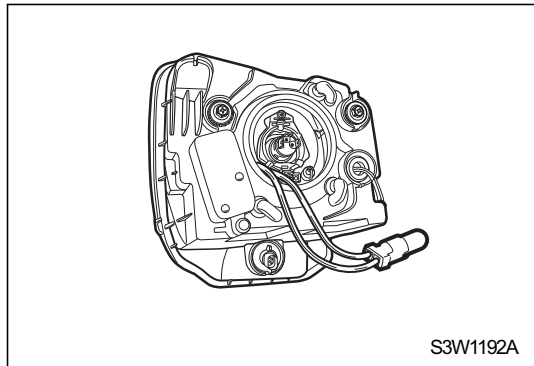
### ▲ CAUTION

Clean halogen bulbs with alcohol or mineral spirits and a lint-free cloth. Be sure not to touch them with your bare hands.

Fingerprints on a halogen bulb may drastically shorten the bulb's effective life.

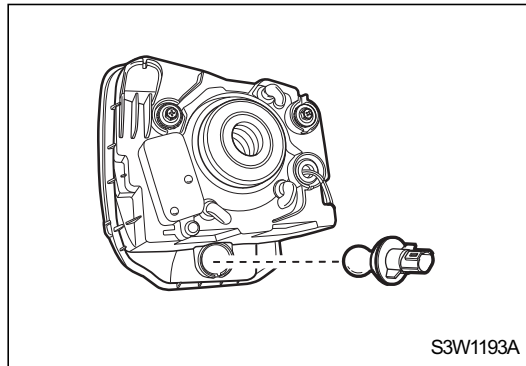
### PARKING LAMPS

1. Open the hood.
2. Remove the headlamp assembly.
3. Remove the rubber cap covering the bulb assembly.
4. Pull out the parking lamp bulb assembly located next to the headlamp bulb.
5. Pull the bulb straight out to remove it from the socket.
6. Reverse the steps to install a new bulb.



### FRONT TURN SIGNAL LAMPS

1. Open the hood.
2. Remove the headlamp assembly.
3. Turn the bulb socket counterclockwise to unlock the socket from the housing.
4. Pull the bulb assembly out of the lamp housing.
5. Gently push in and turn the bulb counterclockwise to remove it from the socket.



6. Reverse the steps to install a new bulb.

When installing the new bulb into the socket, press it in while turning it clockwise.

When installing the socket into the housing, rotate the socket clockwise.

**FRONT FOG LAMPS (Option)**

**▲ CAUTION**

**Performing this vehicle maintenance procedure requires special skills, tools and equipment.**

**It is recommended that you have your retailer perform this service.**

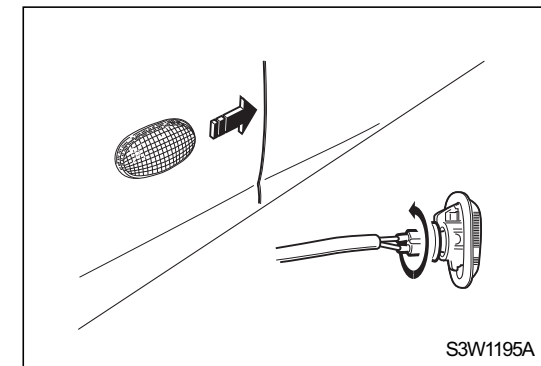
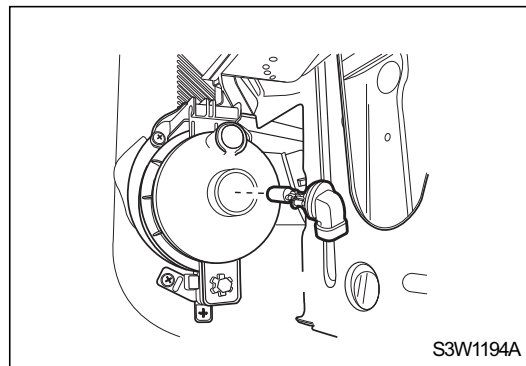
**Before attempting any service procedure yourself, make sure that you are very familiar with it and that you are confident you can complete it safely.**

**Otherwise, you could be injured or your vehicle could be damaged.**

1. Disconnect the wiring harness connector from the bulb.
2. Turn the bulb counterclockwise to remove it.
3. Reverse the steps to install a new bulb.

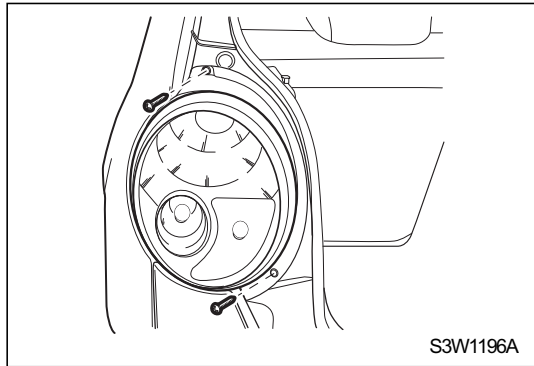
**SIDE TURN SIGNAL LAMPS**

1. Pull the light assembly rearward and remove it.
  2. Turn the bulb socket counterclockwise.
  3. Pull the bulb straight out to remove it from the socket.
  4. Reverse the steps to install a new bulb.
- Make sure to push the light assembly back to its original position.



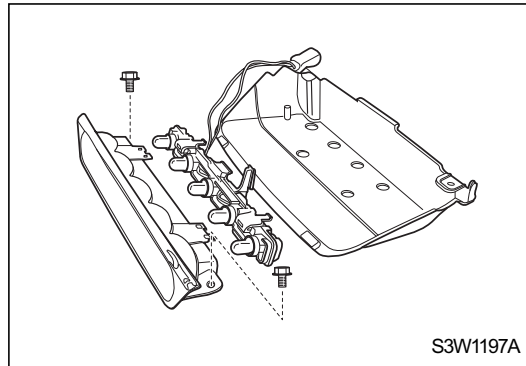
### **TAILLIGHTS, STOPLAMPS AND REAR TURN SIGNALS**

1. Open the rear hatch.
2. Remove two screws from the lamp assembly.
3. Remove the lamp assembly.
4. Turn the bulb socket counterclockwise to remove it.
5. Gently push in and turn the bulb counterclockwise to remove it from the socket.
6. Reverse the steps to install a new bulb.



### **CENTER HIGH-MOUNTED STOPLAMP**

1. Open the rear hatch.
2. Remove two screws from the lamp assembly.
3. Disconnect the wiring harness connector before removing the lamp housing.
4. Remove the lamp housing.
5. Remove the two screws and remove the reflector assembly.
6. Pull the bulb straight out to remove it from the socket.
7. Reverse the steps to install a new bulb.

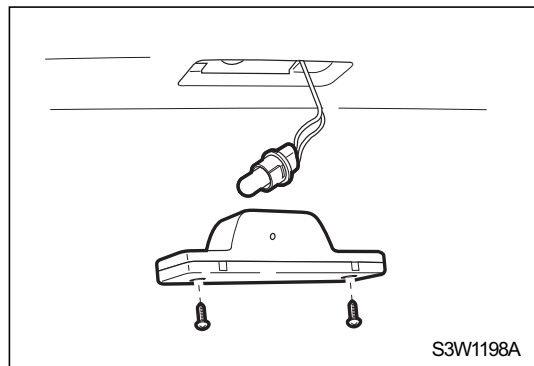


### **SPORTY REAR SPOILER (Option)**

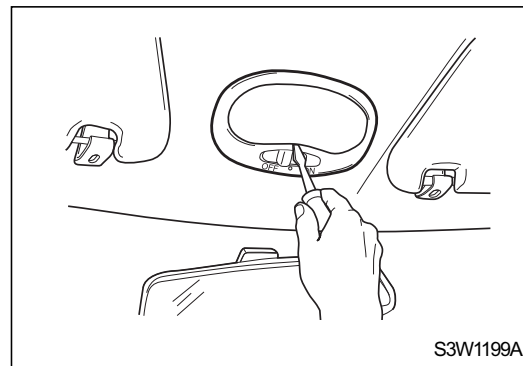
High mount stop lamp is incorporated in the rear spoiler at the rear and it glows whenever service brake are applied. The integrated rear spoiler enhances aerodynamic performance, provides stable stance in high speed driving.

**LICENSE PLATE LAMP**

1. Remove the two screws and the lamp cover.
2. Turn the bulb socket counterclockwise to remove it.
3. Pull the bulb out of the socket.
4. Reverse the steps to install a new bulb.

**DOME LAMP**

1. Use the flat edge of a screwdriver to pry the lens away from the headliner.
2. Remove the bulb.
3. Reverse the steps to install a new bulb.

**VEHICLE CARE****CLEANING AGENTS**

Follow the manufacturer's advice whenever you use cleaning agents or other chemicals on the inside or the outside of your vehicle.

 <b>WARNING</b>
--

**Some cleaners may be poisonous, corrosive, or flammable.**

- **Improper use of these cleaners can be dangerous. Their use may cause personal injury or damage to your vehicle.**

When cleaning the inside or outside of your vehicle, do not use hazardous cleaning solvents such as:


- Acetone.
- Lacquer thinners.
- Enamel reducers.
- Nail polish removers.

When cleaning the inside or outside of your vehicle, do not use cleaning materials such as the following, except as noted in the fabric cleaning advice on stain removal:


- Laundry soaps.
- Bleaches.
- Reducing agents.

Never use the following for any cleaning purpose:

- Carbon tetrachloride.
- Gasoline.
- Benzene.
- Naphtha.

 <b>WARNING</b>
<ul style="list-style-type: none"> <li>• <b>Avoid overexposure to vapors from cleaning agents and other chemicals.</b></li> </ul> <p><b>Such vapors can be dangerous and they may cause health problems which are more likely to occur in small, unventilated spaces.</b></p>


Open the doors to allow proper ventilation when you use any cleaning agents or other chemicals in the vehicle interior.

 <b>CAUTION</b>
<p><b>Do not let non color-fast fabrics come in contact with the interior trim of your vehicle, unless both materials are completely dry.</b></p>

To avoid the possible permanent discoloration of light-colored interior trim, do not let non color-fast materials come into contact with seat trim unless both materials are completely dry. Following is a brief list of fabric items which may contain non color-fast:

- Casual clothing.
- Colored denim.
- Corduroy.
- Leather.
- Suede.
- Newspaper.
- Decorative paper items.

## CARE AND CLEANING OF THE INTERIOR

 <b>CAUTION</b>
<ul style="list-style-type: none"> <li>• <b>Make sure to use the proper cleaning techniques and materials when you clean the trim of your vehicle.</b></li> </ul> <p><b>Failure to do so, especially on the first cleaning, may result in water spots, rings, and permanent stains.</b></p> <p><b>These can permanently damage your vehicle.</b></p>


It is very important to use the proper techniques and cleaners on the interior and exterior of your vehicle.

Use a vacuum cleaner or soft bristle brush frequently to remove dust and loose dirt that collect on the interior fabrics.


Wiped vinyl and leather trim regularly with a clean damp cloth.

Clean normal soil, spots, or stains from the trim with appropriate cleaners.



 <b>CAUTION</b>
<b>Liquefied fragrances must not be installed on instrument panel area.</b>
<b>The surfaces of painted plastic parts may get damaged because of the peculiar ingredients of liquefied fragrances.</b>

Safety belt care

 <b>CAUTION</b>
<b>You must keep your safety belts in proper working condition to maintain their effectiveness.</b>


Always keep the safety belts clean and dry. Avoid contamination of the safety belt webbing by polishes, oils, and chemicals, particularly battery acid, bleach or dye. These contaminants may lead to weakening of your safety belt webbing material.

Periodically inspect all parts of the safety belts. Replace damaged safety belts or components immediately.


You must replace any safety belt that has been stretched in an accident, even if the damage is not obvious or visible. Replacement safety belts must be new.

We recommend replacing the entire safety belt assembly after your vehicle has been in a collision. If a retailer finds that no safety belt damage has occurred in an accident, and that everything is in proper working order, then you don't have to replace the belts.

**GLASS SURFACES**

 <b>CAUTION</b>
<b>Abrasive cleaners can scratch the glass and damage the rear window defogger gridlines.</b>
<ul style="list-style-type: none"> <li>• <b>Never use abrasive cleaners on vehicle glass.</b></li> </ul>
<b>Such damage can impair the driver's vision.</b>

Keeping the window glass clear will reduce glare and improve visibility.

 <b>CAUTION</b>
<b>Decals may damage the rear window defogger.</b>
<ul style="list-style-type: none"> <li>• <b>Never place decals on the inside of the rear window.</b></li> </ul>
<b>Such damage can impair the driver's vision.</b>



**Cleaning the outside of the windshield**

Wax or other material on the windshield or the blade of the windshield wiper can cause the wiper blade to chatter during operation. Such foreign materials also can make it difficult to keep your windshield clean.

Periodically use a non-abrasive cleaner on the outside of the windshield.

**Water will not bead on a clean windshield.**

**CARE AND CLEANING OF THE EXTERIOR**

**Washing your vehicle**

The best way to preserve the finish of your vehicle is to keep it clean by washing it frequently.

- Park your car out of direct sunlight.
- Use mild soap specified for washing cars with cold or lukewarm water.
- Make sure to rinse all soaps and cleaners completely off the surface.

We designed your vehicle to withstand normal environmental conditions and natural elements.

 **CAUTION**

**Your antenna could be damaged by the automatic car wash.**

- **Remove your mast or roof antenna manually.**

**NOTE**

- **Do not use household dishwashing liquid to wash your car.**

**Dish soap will wash car wax off your paint.**

 **CAUTION**

- **Avoid high-pressure car washes.**

**They may cause water to enter your vehicle, damaging the interior.**

**Polishing and waxing**

Periodically polish your vehicle to remove surface residue. After polishing, protect the paint with a high quality automotive wax.

**Protecting exterior bright metal parts**

Clean bright metal trim parts regularly. Washing with water is all that is usually needed.

** CAUTION**

- **Never use an automotive or chrome polish, steam, or a caustic soap to clean or polish aluminum trim.**

**Such materials can be too abrasive, resulting in damage to trim and wheels.**

When waxing your car, also wax all bright metal parts.

**Cleaning aluminum wheels and wheel covers**

To preserve the original appearance of the wheels and wheel covers, keep them free from road dirt and brake dust buildup.

** CAUTION**

**Do not use abrasive cleaners or brushes to clean aluminum wheels or wheel covers.**

Clean the wheels/wheel covers regularly, avoiding abrasive cleaners or brushes that can damage the finish.

**CORROSION PROTECTION**

We designed your vehicle to resist corrosion. Special materials and protective finishes used on most parts of your car help maintain its good appearance, strength, and reliability.

Surface rust may appear on certain components found in the engine compartment or under the body eg. Silencers, Axle, Brake Disc, Brake Drums, Exhaust Manifold etc. but will not affect the reliability or function of these components.

**Sheet metal damage**


If the vehicle needs body repair or replacement, make sure the repair shop applies proper anticorrosion material to restore corrosion protection. See “FINISH DAMAGE” later in this section.

**Foreign material deposits**

The following materials may damage painted surfaces:

- Calcium chloride and other salts.
- Ice-melting agents.
- Road oil and tar.
- Tree sap.
- Bird droppings.
- Industrial fallout.

Wash harmful materials off your vehicle promptly. If soap and water do not remove the residue, use cleaners specifically intended for this purpose.

 <b>CAUTION</b>
<ul style="list-style-type: none"> <li>• <b>Use only cleaners safe for use on painted surfaces.</b></li> </ul> <p><b>Other cleaners may permanently damage the paint.</b></p>

**Finish damage**

Repair stone chips, fractures, or deep scratches in the finish of as soon as possible. Bare metal corrodes quickly.

You may use touch-up products to repair minor chips and scratches.

A body and paint shop can make repairs on larger areas.

**Underbody maintenance**

Corrosive materials can collect on the underbody of your vehicle. Failure to remove these materials can accelerate corrosion and rust.

Periodically use plain water to flush these materials from the underbody of your vehicle. Take care to clean any areas in which mud and other debris can collect. Loosen any sediment packed in closed area before flushing with water.

If you wish, your CHEVROLET retailer can provide this service for you.

<b>NOTE</b>
<p><b>When you wash the engine compartment, fuel, grease, and oil residue may be released into the environment.</b></p> <p><b>Wash the engine at a retailer or other location equipped with an oil separator in the car wash bay.</b></p> <p><b>Dispose off the used engine oil, brake fluid, transaxle fluid, antifreeze, batteries, and tyres at local authorized waste disposal facilities, or through a vendor who is under legal obligation to do so when you replace such materials.</b></p> <p><b>Never place any of these items with household trash or pour them down drains.</b></p> <p><b>Mishandling of such potentially hazardous materials can cause permanent environmental damage.</b></p>

# 8 MAINTENANCE SCHEDULE

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- GENERAL INFORMATION ..... 8-2
- SEVERE CONDITIONS ..... 8-2
- SCHEDULED MAINTENANCE SERVICES ..... 8-4



## GENERAL INFORMATION

This section provides the maintenance schedule which is necessary to ensure that your vehicle gives many years of satisfying motoring.

You are responsible for properly operating and maintaining your vehicle in accordance with the instructions described in this manual. Failure to do so is likely to result in the denial of warranty coverage.

It is your responsibility to properly maintain and operate your vehicle. Be sure that you follow the periodic required maintenance schedule and general operation instructions in this manual.

Every time a service / inspection is carried out you will be given the relevant completed and signed schedule, indicating the work which has been done.

It is also your responsibility to keep records and receipts as proof of regular maintenance. Records and receipts together with this owner's manual should be transferred to any subsequent owner.

You may have maintenance services performed on your vehicle by any qualified person or facility. However, it is recommended that the maintenance services be performed by an authorized CHEVROLET retailer who will have well-trained technicians and genuine parts.

Non-GMI genuine parts and accessories have not been examined or approved by GMI. GMI can certify neither the suitability nor the safety of non-genuine parts and accessories and are not liable for damage caused by their use.

Inadequate, incomplete, or insufficient servicing may result in operational problems with your vehicle that could even lead to vehicle damage, an accident, or personal injury.

## SEVERE CONDITIONS

You should follow the periodic required maintenance schedule. See "SCHEDULED MAINTENANCE SERVICES" later in this section.

## NORMAL CONDITIONS

The normal condition for driving means driving under typical, everyday driving conditions. You may follow the ordinary maintenance schedule.

## SEVERE CONDITIONS

If the vehicle is operated under any of the following conditions, some of the maintenance schedule items need to be serviced more frequently. See numeric symbols in "SCHEDULED MAINTENANCE SERVICES" later in this section.

- Repeated short-distance driving less than 5 miles (10 Km).
- Extensive idling and/or slow-speed driving in stop-and-go traffic.
- Driving on dusty roads.

- Driving on hilly or mountainous terrain.
- Towing a trailer.
- Driving in heavy city traffic where the outside temperatures regularly reach 90°F(32°C) or higher.
- Driving as a taxi, police or delivery vehicle.
- Frequent driving when outside temperature remains below freezing.

**Additional Operations**

The time allowance for additional operations, such as toothed belt replacement, are not included in the standard scope of service, and are charged separately. It is nonetheless advisable to have such work done as a part of a service check / inspection, since the time allowance are not as high as they would be if the work was carried out separately.



8-4 MAINTENANCE SCHEDULE

**SCHEDULED MAINTENANCE SERVICES**

Maintenance services and record retention are the owner’s responsibility. You should retain evidence that proper maintenance has been performed on your vehicle in accordance with the scheduled maintenance services chart.

*For vehicles with normal annual mileage.*

MAINTENANCE ITEM	MAINTENANCE INTERVAL	Kilometers or time in months, whichever comes first												
		6 months / 7500	1 Year / 15000	1.5 Years / 22500	2 Years / 30000	2.5 Years / 37500	3 Years / 45000	3.5 Years / 52500	4 Years / 60000	4.5 Years / 67500	5 Years / 75000	5.5 Years / 82500	6 Years / 90000	6.5 Years / 97500

**ENGINE CONTROL SYSTEM**

Drive Belt (alternator, power steering and A/C compressor)	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Engine Oil and Engine Oil Filter (1) (3)	I	R	I	R	I	R	I	R	I	R	I	R	I	R
Cooling System Hose and Connections	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Engine Coolant (3)	I	I	I	I	I	I	R	I	I	I	I	I	I	R
Fuel Filter			R			R			R			R		
Fuel Line and Connections	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Air Cleaner Element (2)	I	I	I	I	R	I	I	I	I	R	I	I	I	I
Igniting Timing		I		I		I		I		I		I		I
Spark Plugs	I	I	I	R	I	I	I	R	I	I	I	R	I	I
Ignition Cable	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Valve Clearance	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Charcol Canister and Vapor Lines					I					I				
PCV System				I				I				I		
Timing Belt				I				R				I		

**Chart Symbols:**

I- Inspect these items and their related parts. If necessary, correct, clean, replenish, adjust, rotate or replace.

R- Replace or change

- (1) If a vehicle is operated under severe conditions: short distance driving, extensive idling or driving in dusty conditions, change engine oil and the filter every 7,500 kms or 6 months, whichever comes first.
- (2) Inspect the air cleaner/pollen filter element every 7,500 kms or 6 months if vehicle is driven under dusty driving conditions. If necessary, correct, clean, or replace.
- (3) Refer to “FLUID CHART”.



*For vehicles with normal annual mileage.*

MAINTENANCE ITEM	MAINTENANCE INTERVAL	Kilometers or time in months, whichever comes first												
		6 months / 7500	1 Year / 15000	1.5 Years / 22500	2 Years / 30000	2.5 Years / 37500	3 Years / 45000	3.5 Years / 52500	4 Years / 60000	4.5 Years / 67500	5 Years / 75000	5.5 Years / 82500	6 Years / 90000	6.5 Years / 97500

**CHASSIS AND BODY**

Exhaust Pipe and Mountings	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Brake Fluid (3) (4)	I	I	I	R	I	I	I	R	I	I	I	R	I	I	
Front Brake Pads and Discs (5)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Rear Brake Drums and Linings (5)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Parking Brake	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Brake Line and Connections (Including Booster)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Rear Hub Bearing and Clearance	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Manual Transaxle Fluid (3)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Clutch and Brake Pedal Free Play	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Chassis and Underbody Bolts and Nuts Tight/Secure	I	I	I	I	I	I	I	I	I	I	I	I	I	I	

**Chart Symbols:**

I- Inspect these items and their related parts. If necessary, correct, clean, replenish, adjust, rotate or replace.

R- Replace or change

(3) Refer to "FLUID CHART".

(4) Change the brake fluid every 20,000 kms or 2 years (whichever is earlier) if the vehicle is mainly driven under severe conditions:

- Driving in hilly or mountainous terrain, or
- Towing a trailer frequently.

(5) More frequent maintenance is required if under severe condition: short distance driving, extensive idling, frequent low-speed operation in stop-and go traffic or driving in dusty conditions.



8-6 MAINTENANCE SCHEDULE

*For vehicles with normal annual mileage.*

MAINTENANCE ITEM	MAINTENANCE INTERVAL	Kilometers or time in months, whichever comes first													
		6 months / 7500	1 Year / 15000	1.5 Years / 22500	2 Years / 30000	2.5 Years / 37500	3 Years / 45000	3.5 Years / 52500	4 Years / 60000	4.5 Years / 67500	5 Years / 75000	5.5 Years / 82500	6 Years / 90000	6.5 Years / 97500	7 Years / 105000

**CHASSIS AND BODY (continued)**

Tire Condition and Inflation Pressure	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Wheel Alignment (6)	As and when required or as suggested by CHEVROLET retailer.														
Wheel Balancing (6)	As and when required or as suggested by CHEVROLET retailer.														
Steering Wheel and Linkage	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Power Steering Fluid and Lines (3)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Drive Shaft Boots	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Safety Belts, Buckles and Anchorages	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Lubricate Locks, Hinges and Hood Latch	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

**Chart Symbols:**

I- Inspect these items and their related parts. If necessary, correct, clean, replenish, adjust, rotate or replace.

R- Replace or change

(3) Refer to "FLUID CHART".

(6) If necessary, rotate and balance wheels.

# 9

## TECHNICAL INFORMATION

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- IDENTIFICATION NUMBERS ..... 9-2
- FLUID CHART ..... 9-3
- RECOMMENDED FLUIDS AND LUBRICANTS ..... 9-4
- BULB SPECIFICATIONS ..... 9-5
- VEHICLE SPECIFICATIONS ..... 9-6



## IDENTIFICATION NUMERS

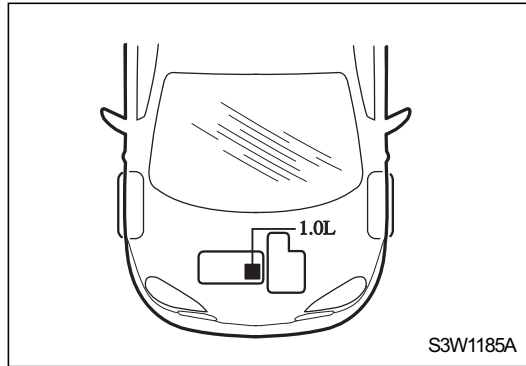
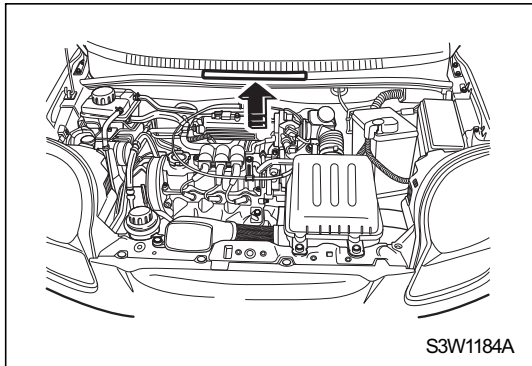
### VEHICLE IDENTIFICATION NUMBER

This number is the legal identifier for your vehicle.

The vehicle identification number is engraved in the top of the bulkhead.

### ENGINE IDENTIFICATION NUMBER

The engine number is located on the cylinder block, under the engine's number 4 exhaust manifold.



**FLUID CHART**

Item	Capacity	Service Interval	Classification
Engine oil (Including oil filter)	3.2L	Change every 15,000 kms or 1 year (whichever is earlier). Under severe condition, change every 7,500 kms or 6 months (Whichever is earlier). Oil filter element should be replaced at the same time.	5W30 API SM GF4
Engine Coolant	4.2L	Change every 52,500 kms or 3.5 years (whichever is earlier).	Ethylene glycol based long life coolant
Manual Transaxle Fluid	2.1L	Inspect every 15,000 kms or 1 year (whichever is earlier) and replenish if necessary.(Fluid change is not required.)	SAE 75W85
Brake Fluid	0.5L	Change every 30,000 kms or 2 years (whichever is earlier).	DOT 4
Power Steering Fluid*	1.1L	Inspect every 15,000 kms or 1 year (whichever is earlier) and replenish if necessary.	DEXRON VI

## RECOMMENDED FLUIDS AND LUBRICANTS

### Engine Oil :

Engine oil is identified by its quality and also its viscosity. Quality is more important than viscosity when selecting which engine oil to use.

### Engine Oil :

5W30 API SM GF 4

### Engine Oil Additives

The use of engine oil additives could cause damage and invalidate the warranty.

### Coolant and antifreeze

Use only organic acid type-long life coolant (LLC) antifreeze.

In countries with moderate climate the coolant provides freeze protection down to approx. -35°C.

In countries with cold climate the coolant provides freeze protection down to approx. -50°C. This concentration should be maintained all year-round.

Maintain a sufficient concentration of anti-freeze.

Coolant additives intended to give additional corrosion protection or seal against minor leaks can cause function problems.

**Coolant :** Ethylene Glycol (organic acid type long life coolant)

### Brake fluid

Only use our authorized brake fluid for this vehicle(DOT 4).

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

Brake fluid should be stored in a sealed container to avoid water absorption.

Ensure brake fluid does not become contaminated.

### Power steering fluid

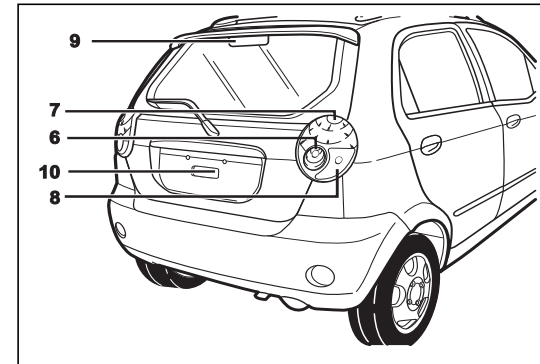
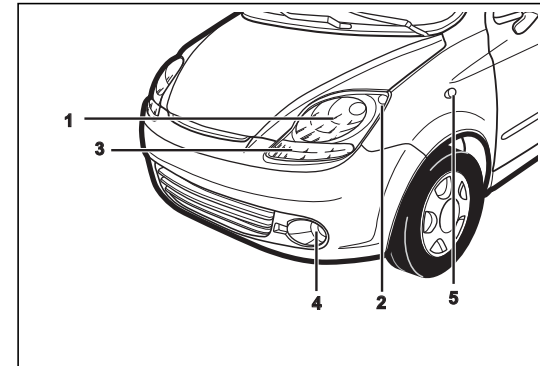
Only use Dexron VI fluid.

### Manual transmission fluid

Only use SAE75W85 fluid.

## BULB SPECIFICATION

Bulbs		Wattages x Quantity	Remarks	
Front	1	Headlamp (high/low)	60/55W x 2	Halogen bulb
	2	Parking lamp	5W x 2	
	3	Turn signal lamp	21W x 2	
	4	Fog lamp (Option)	27W x 2	Halogen bulb
	5	Side turn signal lamp	5W x 2	
Rear	6	Turn signal lamp	21W x 2	
	7	Brake / tail lamp	21/5W x 4	
	8	Backup Lamp	21W x 2	
	9	High mounted stop lamp (Option)	5W x 5	
Interior	10	License plate lamp	5W x 2	
		Dome lamp	10W x 1	



\* Bulb specifications in some models can be different from the above table. See the wattage printed on the bulb before replacing burnt bulbs.

**⚠ WARNING**

Customer should use only specified bulb in case of bulb replacement and use of higher bulb wattage can cause thermal issues such as lamp melting etc.



**VEHICLE SPECIFICATIONS****ENGINE**

Engine		
Type	4-cylinder/in-line	
Valvetrain	SOHC 8 valve	
Displacement (cc)	995 cm <sup>3</sup>	
Bore x stroke (mm)	68.5 x 67.5	
Compression ratio	9.3 ± 0.3 : 1	
Max. Power (Kw/rpm)	46.3/5400	
Max. Torque (Nm/rpm)	90.3/4200	
Fuel system	Multi-point injection	
Octane rating	See Page No. 5-4	
Spark plug	Type	R BPR5EY-11
	Gap (mm)	1.0 ~ 1.1
Battery	Rating (V-AH)	12 - 35
Alternator (V-A)		12 - 65
Starter (V-Kw)		12 - 0.8

**DRIVETRAIN**

5-Speed Manual Transaxle		
Drive system		Front wheel drive
Gear ratios	1 <sup>st</sup>	3.416
	2 <sup>nd</sup>	1.950
	3 <sup>rd</sup>	1.280
	4 <sup>th</sup>	0.971
	5 <sup>th</sup>	0.757
	Reverse	3.272
	Final drive ratio	4.444



**CHASSIS**

Chassis			
Front suspension type		McPherson strut	
Rear suspension type		Torsion beam axle	
Alignment (Based on 2 Occupants)	Camber	Front	30' ± 30'
		Rear	-1° 30' ± 20'
	Caster		3° 28' ± 30'
	Toe-in	Front	10' ± 10'
Rear		15' ± 10'	
Steering	Type		Rack & pinion Manual Power assisted (Option)
	Overall gear ratio		21.1:1 (Manual) 16.45:1(Power)
	Steering wheel diameter (mm)		370mm
	Minimum turning radius (m)		4.47

**BRAKE SYSTEM**

Brake system	
Type	Hydraulic, Vacuum Assisted & Dual-diagonal split
Front wheel	Solid disc
Rear wheel	Drum
Booster size, mm (diameter)	178 mm

**WHEEL AND TYRE**

Wheel and Tyre			
Tyre size	Wheel dimension	Tyre Pressure (kPa) [psi]	
		Front	Rear
155/70 R13 75T/H	4.5J x 13	210 [30]	210 [30]



**CAPACITIES**

Capacities	
Fuel tank (L)	38.0
Engine Oil (L)	3.2 (including oil filter)
Coolant (L)	4.2

**WEIGHT**

Weight		
Kerb weight (Kg)	M/T	840
Gross vehicle weight (Kg)	M/T	1,270

**DIMENSIONS**

Exterior dimensions		
Overall length (mm)		3,495
Overall width (mm)		1,495
Overall height (mm)		1,518
Wheel base (mm)		2,345
Track (mm)	Front	1,310
	Rear	1,275



**General Motors India Pvt. Ltd.**

All information, illustrations and specifications contained in this Owner's Manual are based on the latest production information available at the time of publication. The right is reserved to make changes at any time without notice.

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Part No.:C90631L0

Revision No. 03

Revision Date

05/2011/5,000

**24 Hr. Helpline at 30308080**