



# Winterizing Your Car

## SafeTips from the Naval Safety Center

Quick and easy summaries to find out about something new you're doing or as a refresher for something you haven't done in a while. They're a great training tool to pass around at meetings, through e-mail, or post on bulletin boards.

Driving in the winter means snow, sleet, and ice that can lead to slower traffic, hazardous road conditions, hot tempers and unforeseen dangers. To help you make it safely through winter, here are some suggestions from the National Safety Council to make sure that you and your vehicle are prepared.

### Weather

At any temperature-20 degrees Fahrenheit below zero or 90 degrees Fahrenheit above-weather affects road and driving conditions and can pose serious problems. It is important to listen to forecasts on radio, TV, cable weather channel, or check weather reports in the daily papers.

### Your Car

Prepare your car for winter. Start with a checkup that includes:

- Checking the ignition, brakes, wiring, hoses and fan belts.
- Changing and adjusting the spark plugs.
- Checking the air, fuel and emission filters, and the PCV valve.
- Inspecting the distributor.
- Checking the battery.
- Checking the tires for air, sidewall wear and tread depth.
- Checking antifreeze level and the freeze line.
- Scheduling a tune-up (check the owner's manual for the recommended interval) to ensure better gas mileage, quicker starts and faster response on pick-up and passing power.

[www.public.navy.mil/comnavsafecen/pages/media/index-safetips.aspx](http://www.public.navy.mil/comnavsafecen/pages/media/index-safetips.aspx)



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### Necessary Equipment

An emergency situation on the road can arise at any time and you must be prepared. Following the tune-up, a full tank of gas, and fresh anti-freeze, you should keep in your trunk:

- A properly inflated spare tire, wheel wrench and tripod-type jack
- A shovel, ice scraper and snow brush
- Jumper cables
- Tow and tire chains
- Tool kit

### Essential Supplies

Be prepared with a survival kit that should always remain in the car. Replenish after use. Essential supplies include:

- Working flashlight and extra batteries
- Reflective triangles and brightly-colored cloth
- Compass
- First aid kit
- Exterior windshield cleaner
- A bag of salt or cat litter
- Wooden stick matches in a waterproof container
- Scissors and string/cord
- Non-perishable, high energy foods like unsalted canned nuts, dried fruits, and hard candy
- In addition, if you are driving long distances under cold, snowy, and icy conditions, you should also carry supplies to keep you warm, such as heavy woolen mittens, socks, a cap, and blankets.

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### If You Become Stranded

- Do not leave your car unless you know exactly where you are, how far it is to possible help, and are certain you will improve your situation.
- To attract attention, light two flares and place one at each end of the car a safe distance away. Hang a brightly colored cloth from your antenna.
- If you are sure the car's exhaust pipe is not blocked, run the engine and heater for about 10 minutes every hour or so depending upon the amount of gas in the tank.
- To protect yourself from frostbite and hypothermia use the woolen items and blankets to keep warm.
- Keep at least one window open slightly. Heavy snow and ice can seal a car shut.
- Eat a hard candy to keep your mouth moist.

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