FALL Car Care GUIDE Emergency Survival Could Depend on How Well Vehicle Prepared

survive being stranded in one of those severe winter storms? Every year we hear about the plight

of motorists caught on the road in blizzards. The results can be traumatic, if not fatal.

The Federal Emergency Management Agency offers a checklist which could help travelers survive such a situation. At the top of the list is the car itself. You should keep your car in top operating condition all year round for safety and fuel economy. Keep your car running smoothly with this six-point checklist:

Vital Checks

1. Battery and electrical system: A battery that's 100 percent efficient at 80 degrees Farenheit will

Could you and your passengers be only 64 percent efficient at 30 degrees and only 33 percent efficient at -10 degrees.

If your car has been slow to start, have the battery and charging system checked. Often you may find the trouble is no more serious than a corroded or loose battery connection.

2. Fuel and ignition systems: How long has it been since you've had a tuneup? When starting a cold engine, much of the car's available battery power is diverted to the starter, so there may not be enough voltage left in the system to fire worn spark plugs.

New plugs nearly always are part of a tuneup. Periodic tuneups can ferret out those parts that should be replaced to prevent failure in cold weather. Hairline cracks in the distributor cap or rotor, for

example, or faulty wiring are notorious for this. On cars with distributor breaker points and condenser, regular attention to tuneup services is especially critical.

Keep the gas tank as full as possible to minimize condensation. Freezing of moisture in the fuel system can cut off fuel flow.

3. Cooling system: Be sure that the system is clean, that you have adequate antifreeze protection and that all hoses and belts are in good condition.

4. Oil: Clean oil of the correct weight, or viscosity, is important to cold-weather starting. In all but the most frigid temperatures, 10W-30 or 10W-40 are recommended. In temperatures consistently below 0 degrees Fahrenheit, 5W-20 may be preferable.

5. Tires: Tire tread condition is it in the car. This is especially important decreases one pound for every 10 include: degree drop on the thermometer. If you haven't checked your tires since the thermometer read in the 60s and 70s, they may be seriously underinflated.

6. Windshield wipers and lights: Keep plenty of windshield washer/ antifreeze solvent in the reservoir. How are your wiper blades? Consider installing winter blades, which feature rubber boots to prevent ice buildup on the blades. Be sure all your lights are working and occasionally clean off road dirt and salt.

Carry Kit Create a winter survival kit and keep

TAKE IT EASY WHEN

crucial when driving on ice and snow. if you live in or are traveling through Also check inflation. Tire pressure the northern climates. The kit should

> 1. Battery booster cables; 2. Blankets, sleeping bags or something to keep you warm; 3. Matches and candles; 4. Two 3-pound coffee cans, one for sanitary purposes and the other to hold candles which could be burned for heat; 5. Paper towels; 6. First aid kit with pocket knife; 7. Flashlight with extra batteries; 8. Small sack of sand; 9. Tire chains; 10. Shovel; 11. Food supply (high calorie, nonperishable food such as canned nuts, dried fruit, candy, etc.); 12. Tools; 13. Windshield scraper; 14. Transistor radio with extra battery; 15. Hand-held citizens band (CB) radio.

Automatic transmissions have a tough way to go in deep snow. This is due to the added resistance against the tires rolling through the snow. But the greatest damage can come from attempts to rock the car out of an icy rut.

When attempting to free your car by alternately shifting from drive to reverse, do it gently. Changing gears abruptly while wheels are spinning can be harmful, if not fatal, to your automatic transmission.

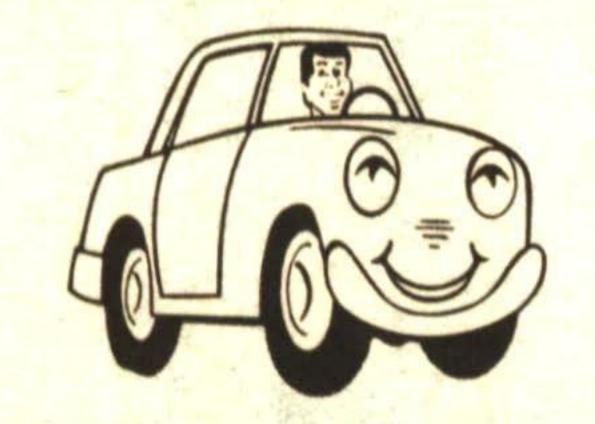
Since you probably won't get out of

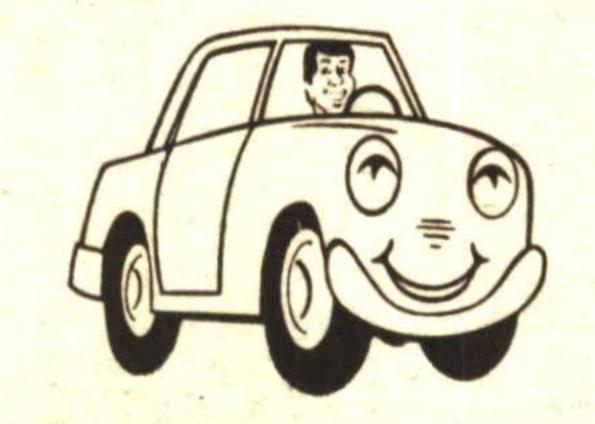
STUCK IN THE SNOW

your rut any faster by increasing the speed of that spinning rear tire, go easy on the brakes and be sure you have brought the wheel to a complete stop before changing from drive to reverse or vice versa. If you pause by applying your brakes between change of direction, you'll help ease the strain. too.

If you think you may already have subjected your car to severe stress while getting out of a snow bank, you should give your transmission a "break" by having its fluid and filter replaced, just to be safe.







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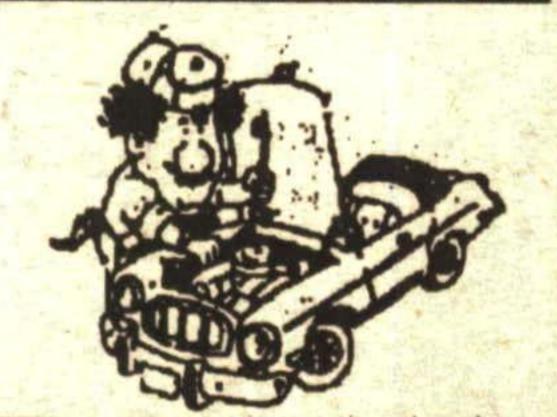
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