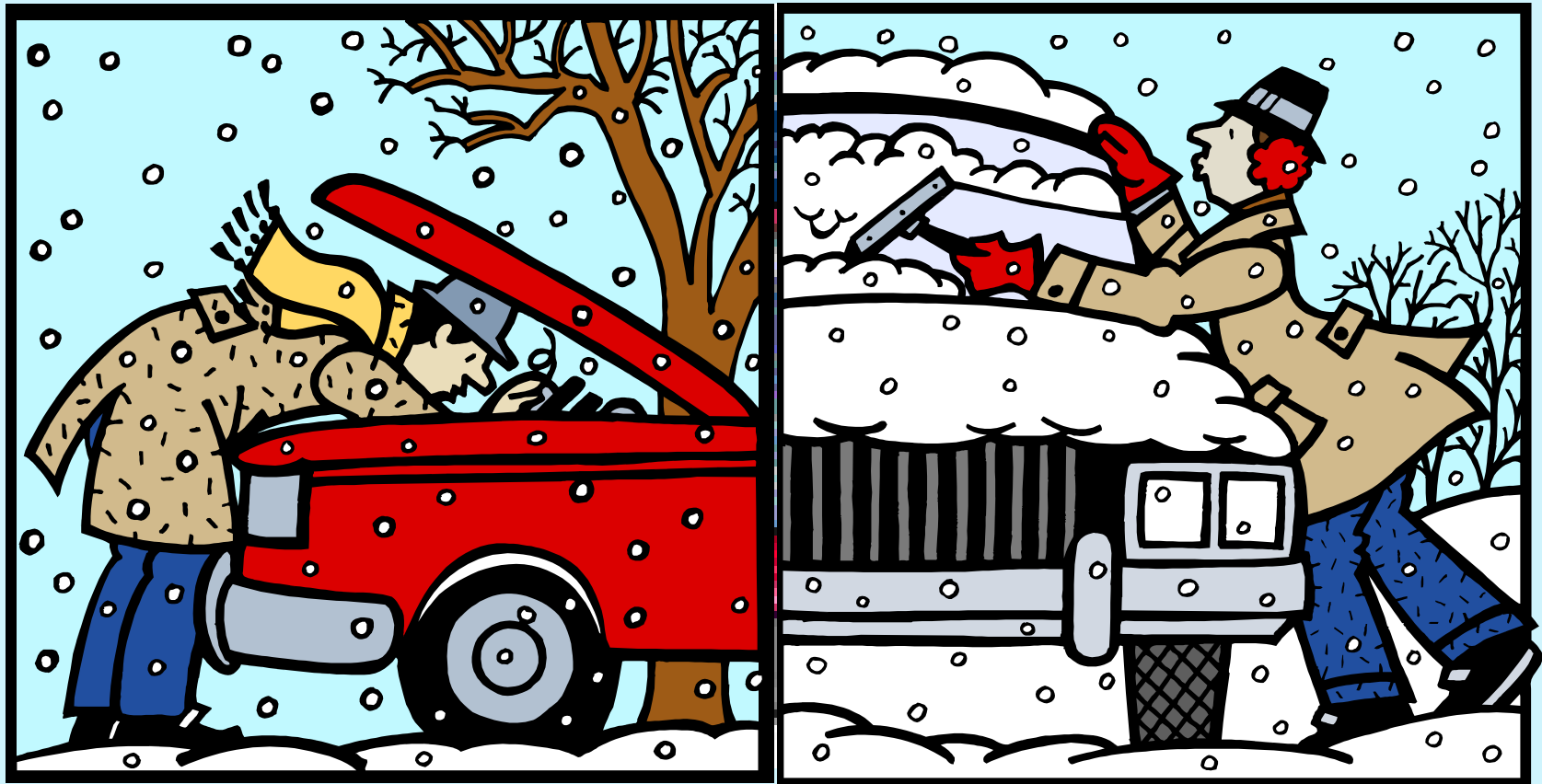


Winter Driving Safety





You must Understand how cold weather effects driving your vehicle .



Winter Driving

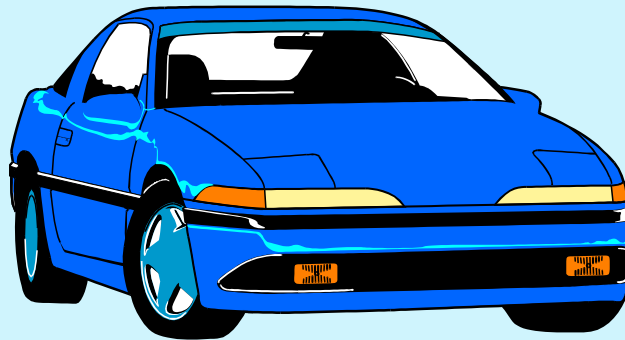
Prepare

Plan – Risk Assessment

Driving Techniques/Considerations

For Safe Winter Driving

Know Your Vehicle!

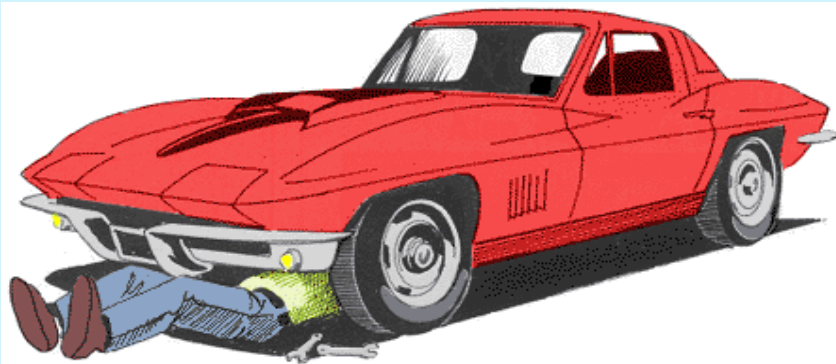


BEFORE Winter Trips, CHECK:

- **BATTERY**
- **ANTIFREEZE**
- **WIPERS & FLUID**
- **IGNITION SYSTEM**
- **THERMOSTAT**
- **LIGHTS**

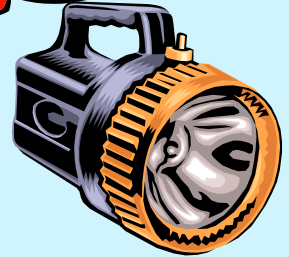
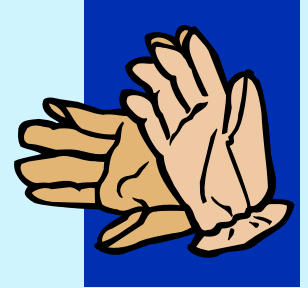


- **HAZARD LIGHTS**
- **EXHAUST SYSTEM**
- **HEATER**
- **BRAKES**
- **DEFROSTER**
- **OIL LEVEL**



PACK A WINTER CAR KIT

- SNOW BRUSH W/ SCRAPER
- FLASHLIGHT W/ BATTERIES
- BLANKET
- MITTENS, SOCKS & HAT
- SMALL SHOVEL
- SACK OF SAND OR KITTY LITTER
- JUMPER CABLES
- HAZARD SIGN, FLARES OR FLAG
- WINDSHIELD WASHER FLUID





Dress Properly

- ✓ Wear several layers of thick loose-fitting clothing.
- ✓ Wear a hat, scarf or turtleneck sweater.
- ✓ A good winter coat
- ✓ Good cold weather shoes
- ✓ Think about extras - hat, gloves, coat, shoes

Prepare the driver

- o Wear warm clothes that do not restrict movement.
- o In bad weather, let someone know your route and intended arrival time, so you can be searched for, if you don't turn up after a reasonable delay.



RISK MANAGEMENT DRIVING DECISIONS:



- Is my car equipped for the weather?
- Can I make this trip later?
- What would be the safest route?
- Am I prepared for emergencies?

**POOR RISK MANAGEMENT
OR
BAD JUDGEMENT?**



Is this trip really necessary? Every year, motorists are killed or severely injured in winter driving accidents making trips that could have waited.

If it is necessary to complete a mission during severe weather, take all appropriate precautions to protect yourself and your team from harm. **Be prepared!**

HAZARDS

Black Ice

Skids

FOG

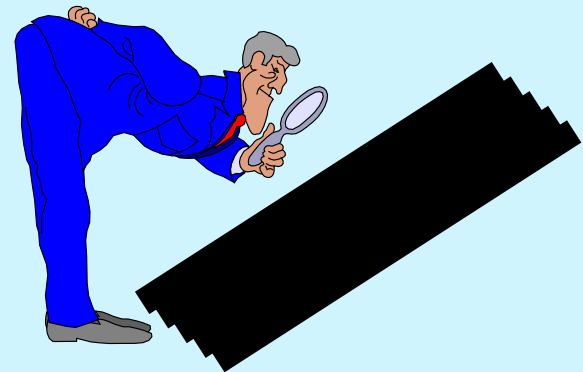
Carbon Monoxide

BLACK ICE

**DANGEROUS BECAUSE YOU
CAN'T SEE IT!**

COMMON AREAS YOU'LL FIND IT:

1. Bridges/Overpasses/Underpasses
2. Shaded areas.



BLACK ICE

SAFE REACTIONS:

- **DON'T PANIC!**
- **MAKE NO SUDDEN CHANGES IN SPEED OR DIRECTION**
- **EASE OFF ACCELERATOR**
- **STEER IN THE DIRECTION THAT THE REAR OF THE VEHICLE IS SKIDDING**



**FRESH SNOW CAN
CONCEAL ICY ROADS**

SKIDS

Causes:

1. Black Ice
2. Driving too fast for conditions
3. Sudden steering corrections or braking
4. Sudden accelerations



SKIDS (CONTINUED)

If your vehicle begins to skid, take the following actions:

1. Front end skids - Release the brake and let the front wheels roll freely to regain traction and steering control.
2. Rear end skids - Take foot off of accelerator and turn wheels in the direction that the rear of the vehicle is skidding, and pump brakes lightly.





**WHEN DRIVING IN FOG,
USE LOW-BEAM HEADLIGHTS,**

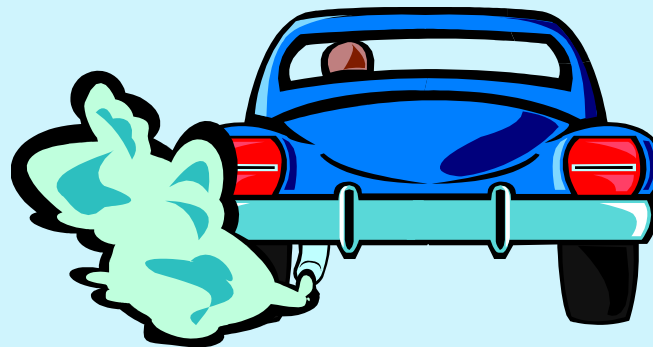
or

**STOP, GET OFF OF THE ROADWAY
COMPLETELY, AND WAIT!!**

!!! DANGER !!!

CARBON MONOXIDE POISONING

Each year about 1,500 people are killed in the U.S. by carbon monoxide. 600 of those die in their vehicles. More than 10,000 are exposed to levels so dangerous that medical attention is required.



CARBON MONOXIDE GAS

Attributes/Effects

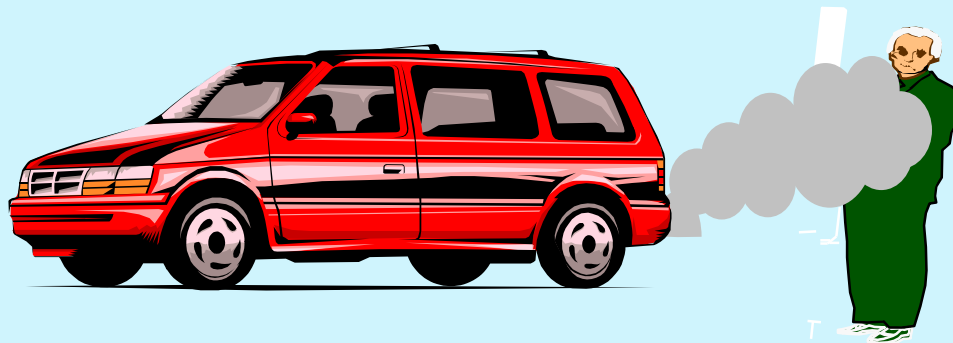
1. Odorless & Colorless
2. Nausea, Headache, Dizziness
3. Causes Drowsiness
4. CAN BE FATAL



CARBON MONOXIDE POISONING

Prevention Tips:

1. Never run engine in an enclosed area
2. Check exhaust (muffler) for leaks



ROAD CLASSIFICATIONS

RED: Roads are icy, driving is hazardous and is limited to mission essential traffic only. Installation activity is limited to mission essential training and operations. (national defense, health, safety and law & order)

AMBER: Caution, roads may be icy in spots. Exercise caution while driving. Installation operations and training continue as scheduled.

GREEN: Normal, all clear. No restrictions on driving or on installation operations.

WINTER DRIVING TECHNIQUES

- Drive at reduced speeds so you can stop quicker and have more reaction time.
- Give turn signals sooner than usual. This gives other drivers more time to react.
- Pump your brakes to warn of your intention to stop.
- Maintain at least triple the normal distance from the vehicle ahead. (6 seconds)

Brake System

To make an emergency stop on a slippery road...

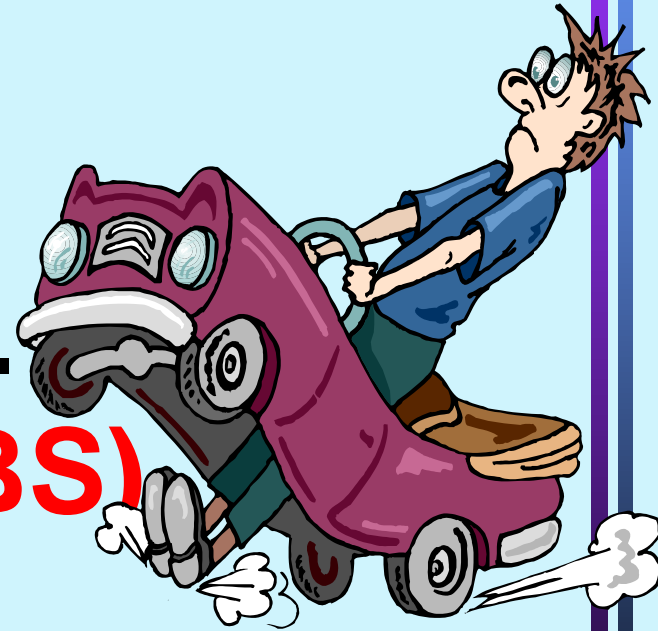
Regular Brakes

Pump the Brake Pedal.

Anti-lock Brakes (ABS)

Press down and hold.

The ABS will pump for you.



Drive System:

Rear Wheel Drive Pushes

and

Front Wheel Drive Pulls

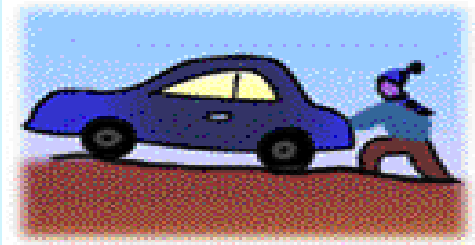
The systems may feel a little different, but always steer in the direction of the skid, and make gentle corrections to regain control.

KEY DRIVING TIPS

- CLEAN ALL WINDOWS
- ALLOW MORE TIME TO TRAVEL
- MAINTAIN MORE SPACE
- DRIVE WITH YOUR LIGHTS ON
- WEAR SAFETY BELTS
- LOOK WELL AHEAD
- ANTICIPATE PROBLEMS

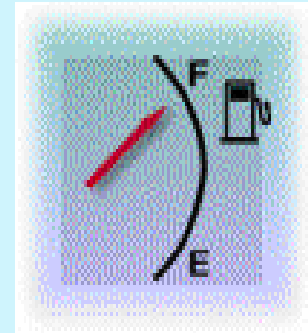
STUCK IN SNOW

- CLEAR A PATH
- STRAIGHTEN FRONT WHEELS
- USE ABRASIVE MATERIALS UNDER WHEELS
- USE GENTLE PRESSURE ON ACCELERATOR
- DON'T SPIN YOUR WHEELS
- "ROCKING THE VEHICLE" - CHECK OWNER'S MANUAL
- CLEAR SNOW FROM EXHAUST SYSTEM
- CALL FOR HELP



SUMMARY

- REMEMBER THE THREE P's
 - PREPARE FOR THE TRIP
 - PROTECT YOURSELF
 - PREVENT CRASHES ON THE ROAD
- SLOW DOWN!
- GIVE SPACE
- CLEAN OFF WINDOWS - **SEE**
- CLEAN OFF **ALL** LIGHTS AND TURN LIGHTS ON
 - **BE SEEN!**
- **DON'T GET COMPLACENT OR OVER-CONFIDENT!**



DRIVE TO ARRIVE ALIVE!



QUESTIONS???

COMMENTS