

# Car Care

## '82



### TIPS ON...

Where to go

Whom to see

Do it yourself

**NEW-USED-FOREIGN**

**REPAIRS - MAINTENANCE**

of all kinds

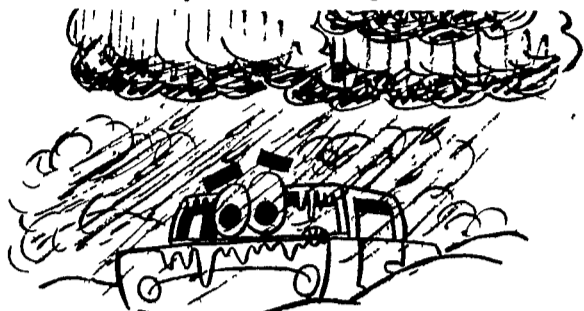
**FINANCING**

**REPAIR FACTS**

## Short Trips In Winter Affect Car

Driving habits and conditions tend to be different during the winter's cold and often inclement weather. Faced with bad weather, many drivers may stick closer to home, driving shorter distances more frequently.

A winter of short-trip driv-



ing can put excessive wear and tear on the engine, transmission and other components because it takes several miles of driving to warm up a car to operating efficiency, says the Automotive Information Council (AIC). Frequent cold starts also are hard on the complete electrical system — battery, plugs, wiring, etc.

The same practices that can guard against excessive winter engine wear can help you get better gasoline mileage. Try to combine many short trips into one trip with several stops. You may even be able to reduce the number of stops by planning ahead. Fewer stops mean better gas mileage too, and a car is easier to start once it has been warmed-up.

Try to avoid excessive periods of idling to warm the car up. Idling produces zero miles to the gallon and is

harder on the engine than normal highway use. Except for below-zero weather, the car should be ready to move after about 15 seconds and then driven at moderate speed to warm-up. This method warms up the car faster, saves gasoline and engine wear.

Short-trip driving also requires that the engine oil and filter be changed more frequently. Short trips allow moisture to collect in the crankcase, diluting the oil. Clean oil lubricates the engine with a protective film that prevents metal-to-metal contact and resulting wear, and keeps the engine interior clean by gathering contaminants and holding them in suspension for removal by the filter. If the oil is dirty and isn't changed often enough, along with the filter, sludge can coat and clog the engine oil passages, which can result in a costly repair.

An adequate but not excessive warm-up, changing the oil more frequently with short-trip driving and trying to combine trips can give the driver the best cold-weather performance with improved fuel economy, sums up AIC.



Here's the difference between the performance of a regular windshield wiper blade, left, and a specially designed winter windshield wiper blade, on the passenger's side. Despite impressive results, winter wipers are not widely known or used; a national survey found 83 percent of those polled had never heard of them and 93 percent had never used them.

## Winter blades do a real snow job, but the word's just getting around

Fewer than one out of every five persons in the United States has heard of a windshield wiper specially developed to assure a clear windshield even when snow and freezing rain have crippled standard wipers.

Although recommended for tough winter driving by the National Safety Council, snow or winter blades haven't exactly become a household word.

A national survey conducted by the market research department of ANCO, a major manufacturer of windshield wiper products, found that 83 percent of those it polled had never heard of them, and 93 percent had never used them.

As expected, motorists in the northern and eastern sections of the nation indicated slightly higher awareness and usage than the national average.

In the north, 81 percent had never heard of snowblades, in the east, 72 percent, in the

south, 90 percent, and in the west, 87 percent.

Usage followed a similar pattern. In the north, 92 percent had never used snowblades, in the east, 86 percent, in the south, 98 percent, and in the west, 97 percent.

The snowblade is almost 50 percent heavier than a regular windshield wiper, to better handle ice, snow and slush. Its heavy-duty stainless steel wiper assembly is covered with an ice-proof rubber boot.

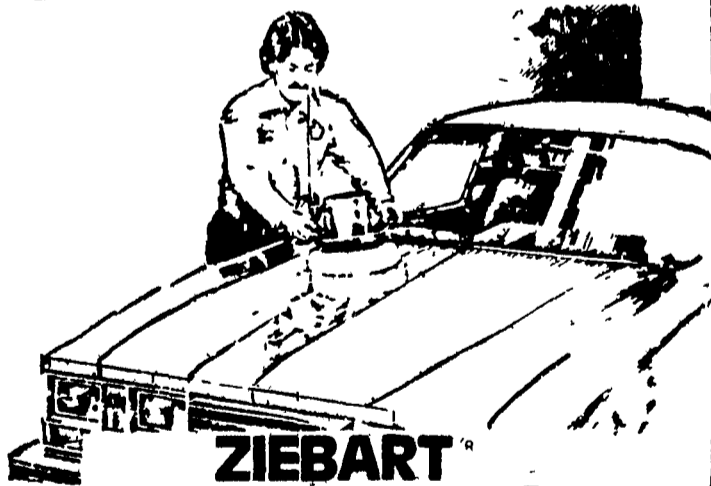
In severe winter driving conditions, ice or snow builds up in the superstructure of the standard windshield wiper, just behind the rubber refill. As this buildup freezes, it restricts normal flexing of the wiper.

The snowblade's protective cover does not permit the buildup of freezing ice and snow and the wiper continues to clear the windshield effectively.



A neoprene rubber boot covers the wiper assembly on the snow blade, providing protection from severe winter weather that can cause standard windshield wiper blades to streak and skip.

## FINALLY! PAINT PROTECTION YOU CAN'T WASH OFF!



### ZIEBART PAINT PROTECTION

- Improves, protects and preserves the new car finish
- 3-step process professionally applied by experienced car protection experts
- Unique nonporous polymer resin sealant
- Bonds to the paint to protect it
- Eliminates waxing
- 5-year maintenance warranty

Ask us for details

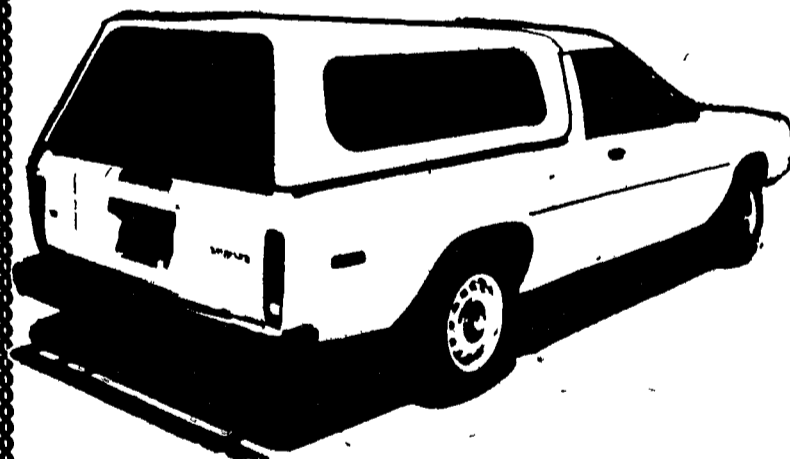
Adds life, looks and value to your car.



919 Michigan St.  
Niles  
683-1740

1248 M-139  
Benton Harbor  
927-3137

## • FIBERGLASS TRUCK CAPS •



We build quality caps to fit most American and Foreign Trucks. Also to fit 73-82 El Camino/Sp.int, 72-79 Ranchero & 82 Rampage

## BLEM SALE

We have a large supply of blemished caps. These caps are 1st quality, but color may be faded or irregular.

FREE INSTALLATION WITH PURCHASE

## BRANDYWINE F.R.P. INC.

2732 S 3rd St, Niles, Mich. (1 block W of K Mart)

616-683-4922

# Rust and Collision Repair Specialists

Apple Auto Painting and Body works, 11501 Lincoln Way West in Osceola, is one of Michigan's largest body repair and painting establishments. Apple is equipped for a large volume of work, with the capacity to handle fleet customers and even larger vehicles.

According to owner Jerry Palicki, the four-year-old company is housed in an 8,400 square foot building that includes a factory spray booth, gas fired oven, tune body shop stalls, a walled masking area and a separate vehicle clean up area.

Palicki said Apple is one of the few shops around that will offer to repair rust at the same time as collision damage. Apple's body shop will perform light to heavy duty body repair, including frame straightening and repair, on a variety of fleet and commercial vehicles. Public utility vehicles, delivery vans and trucks, step vans and semi tractors are types of vehicles

that have been repaired at Apple's body shop.

Palicki noted that experience levels in the body and paint shops range from 5 to 30 years per person, a level that surfaces in the quality of work they perform. Top quality work demands the best of materials used on each repair job. Dupont paint products are mixed in house for a more exact color match. Because quality primers and abrasives are used to prepare each paint job, Apple guarantees its paint from peeling and wrinkling.

Palicki encourages both his retail and fleet customers to take advantage of the other products and services available at Apple Auto Painting & Bodyworks. For example, a natural add on for rust repair customers is a chip guard finish for the lower body panels, fenders and rocker panels, that resists paint chipping along the bottom of the vehicle from stones thrown up by

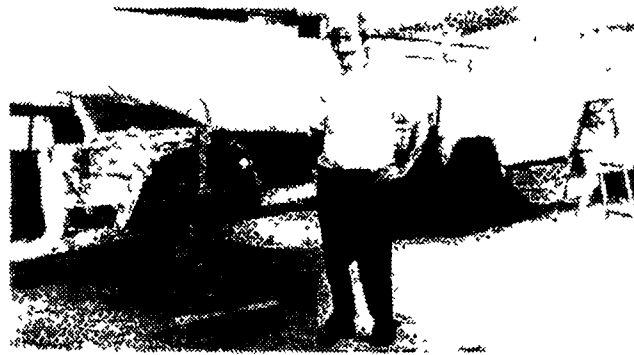
the tires.

Other products and services available include welding, brazing, stripping, body side moldings, pin stripping, vinyl top dyeing, complete color changes, including the insides of the hoods, trunks and door jambs and washing and waxing.

Fleet owners and managers should call Palicki at 674-6228 for a free estimate, which Palicki pointed out is fully itemized so customers can tell exactly what work is being done and the extent of repair required.

For more information on any of the services provided by Apple Auto Painting & Bodyworks, stop by their facility at 11501 Lincoln Way West in Osceola, or call Jerry at 674-6228. Regular business hours are weekdays from 7 am to 6 pm (open till 8:30 pm Tuesday) and 10 am to noon on Saturdays.

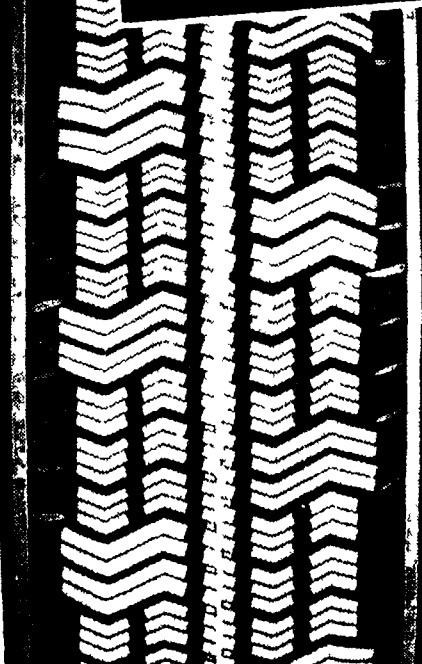
Outside fleet estimates can be scheduled by calling during normal business hours for an appointment.



Apple Auto Painting & Bodyworks employee Mark Loff, the head painter, poses with two vehicles he will be painting, a collision and a truck from a fleet accident.

## TRACTION FOR FRACTION

Steel Belted Radial Prices Rolled Back!



NOW! Buy road-gripping fuel-saving Firestone TRAX 12 radials for a FRACTION of our normal prices!

**TRAX 12** \$ **42** as low as  
Steel Belted Radial WHITEWALLS

January price \$49  
P155-80R13  
Whitewall Also fits  
155R-13 Plus  
\$1.52 F E T and  
old tire

✓ Distinctive, long wearing tread over two steel belts

✓ Modern P-metric sizes fit most U.S. cars and many imports

Size	Also fits	Jan price	NOW	F E T	Size	Also fits	Jan price	NOW	F E T
P165/80R13	165R 13	\$56	\$46	\$1.67	P225/75R14	HR78 14	\$80	\$61	\$2.62
P185/80R13	CR78 13	62	49	1.91	P165/80R15	165R 15	56	59	1.79
P185/75R14	CR78 14	67	51	2.06	P205/75R15	FR78 15	76	59	2.46
P195/75R14	ER78 14	72	55	2.16	P215/75R15	GR78 15	79	60	2.57
P205/75R14	FR78 14	75	58	2.30	P225/75R15	HR78-15	81	64	2.73
P215/75R14	GR78-14	76	59	2.47	P235/75R15	LR78 15	87	69	2.93

All prices plus tax and old tire.

COMPARE OUR PRICES!

# Bud Zolman's

2014 E. McKinley Mishawaka, Ind.

Hours 7 - 6 Daily 7 - 1 Sat.

**Firestone**  
 Tire and Car Service Specialists Coast to Coast



**90 DAYS SAME AS CASH**  
on revolving charge at Firestone stores and many Firestone dealers

• Minimum monthly payment required. • All finance charges refunded, when paid as agreed.

FIRESTONE NATIONAL CREDIT CARD  
HONORED AT MORE THAN 2,500 LOCATIONS

We also honor: Visa • MasterCard • American Express

**NO CHARGE FOR MOUNTING**  
Firestone tire purchase

Prices and credit plans shown are available at Firestone stores. See your independent Firestone dealers for their prices and credit plans. Service offers not available at starred locations.

## Front-Wheel Drive Cars Can Have Winter Tires

Do snow tires ever go on the front wheels? Yes, if it's a front-wheel drive motor vehicle, says the Tire Industry Safety Council

"Mud and snow tires should always be mounted on the axle that propels the vehicle in order to gain the extra traction that these tires provide," said Council Chairman Malcolm R. Lovell, Jr.

Snow tires are mounted on the rear axle on most cars, station wagons and light trucks, but since more and more vehicles are being manufactured with front-wheel and four-wheel drive, precautions should be observed when getting ready for winter driving

"If you have a four-wheel drive vehicle, you should put snow tires on all four wheels for maximum traction," Lovell advised. "Also, all four

tires should be of the same diameter and construction, either bias ply, belted bias or radial."

Lovell said that if radials are used on the front, radials should be used on the rear regardless of whether the vehicle is front-wheel or rear-wheel drive "The handling of a car can be severely affected if you have radials on front and bias or belted bias on the rear"

The Council chairman noted that in some areas if you don't have snow tires, you may be fined if you get stuck and block traffic on a snow emergency route

Snow tires made in the U.S. since Jan. 1, 1976, have the words "Mud and Snow" or some contraction, such as "M/S," molded on the sidewall under a voluntary industrial standard.

## Easy with that frozen battery

If you have a dead battery and are attempting to give it a jump-start in temperatures below 15°, use extra care

According to Car Care Council, the danger of an explosion from sparks near the vent holes is much greater when the battery is frozen

The Council says one should neither charge nor jump-start a frozen battery

Instead, it should be removed and taken inside to defrost before it is put back into service

Further cautions regarding the use of a charger

1 Charge only in a well-ventilated area

2 Protect your eyes when making connections, keep sparks and flames away from the battery, which emits explosive hydrogen gas. Wear safety goggles

3 Be sure the electrolyte is up to the proper level

4. Keep a damp cloth over the vent caps

5 Be sure the charger switch is in the off position and that the charger is unplugged before connecting or disconnecting it

6 Make the positive connection first. Be sure the negative connection is to a good ground away from the battery if the charger is being connected with the battery in the car.

## Easy with gas pedal on leaves

Autumn leaves may inspire songwriters, but that red and gold carpet forming over the highway could increase your chances of an accident, the Tire Industry Safety Council warns

"Even when it's not raining, leaves have a tendency to retain moisture and create a surface as nearly as slippery as ice," says Council Chairman Malcolm R. Lovell, Jr.

If you suspect the road is slippery—slow down. Avoid sudden turns. Smooth, gradual changes—taking care not to oversteer—are best, Lovell says

"Driving over a layer of leaves could cause your car to go into a skid. If you slide into a curb or off the road, it may result in hidden internal tire dam-

age which could lead to tire failure later," he says

### Slow down gradually

To stop on a slippery road, pump rapidly but lightly on your brakes, gradually slowing your car. If you begin to slide, steer in the direction of the skid, foot off the brake pedal until you feel you are in control

Tire Industry Safety Council offers these other tips for fall driving

- Have your car's alignment checked following the traditionally busy summer driving season.

- Take it easy on wet roads. Stopping on a wet road can take up to four times the normal distance on a dry surface. As water

accumulates on the road, tires with shallow tread tend to hydroplane as speed increases, particularly over 40 miles per hour

- Replace bald tires. Tread-wear indicator bars, commonly called wear bars and built into the tire grooves, become visible when the tread is worn down to 1/16 of an inch. That's the danger point

- Inspect your tires for tread and sidewall cuts and cracks that might expose tire cords

For a free copy of Five Keys to Better Tire Mileage & Safety, send a stamped self-addressed business-sized envelope to Keys Tire Industry Safety Council, Box 1801, Washington, D.C. 20013

COMPLETE

3 POINT

WHEEL ALIGNMENT SERVICE FOR 4x4's



INCLUDES: •CASTER •CAMBER  
•TOE-IN SETTINGS

Tri-County Tire Co.

3860 S. M-139

St. Joseph (at Scottsdale)

429-3269

(Evenings 925-7688)

## STOP - SHOP - COMPARE

MARATHON

Pete Adams

Skip Herrmann

Dennis Young

Garry Worl



WHETHER YOU PUMP OR WE PUMP

YOU STILL GET OUR OLD-FASHION FRIENDLY SERVICE & CAR CARE!!

U-Haul and AAA Wrecker Service

Pete's South Side Marathon Station

1293 South 11th Street, Niles, Michigan

Phone 684-3340

## We're Your RV Winterizers

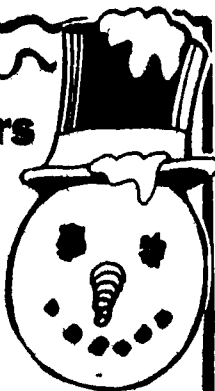
RV Anti-Freeze \$4.00 gal.

- By Pass Kit • Hand Pump
- Our Service or
- Do-It-Yourself Supplies

Furnace Service For All RVs and Mobile Homes

C & G Mobile Home Sales & Service

U.S. 31 - Just North of Hinchman Rd. Berrien Springs



## GIVE YOURSELF A BRAKE, AND YOUR WALLET, TOO.

Doing your own brake job makes a lot of sense, but takes a lot of work.

So, if you're thinking of changing your own brakes, why not increase the chances that you'll never have to do it again? Come to us for a complete line of Raybestos brake parts and PG brake pads. PG brake pads are tough. And depending on your driving habits, they should last at least 40,000 miles—or even more.

Before you start your brake job, see us for Raybestos PG pads and linings. They're built to last so long you may never need to replace them. And ask about our Raybestos technical manuals for brake service on domestic and import cars.

Raybestos

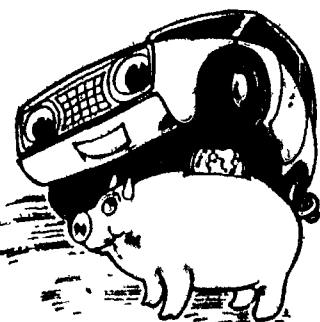
Quality Automotive

9466 Red Arrow Hwy.,

Bridgman, Mich.

465-6650

Open 7 Days Mon-Sat 8:30 am to 6 pm Sun 11 am to 3 pm



# Tire Industry Editor Approves of Inflation

Keeping your tires properly inflated can enable you to drive another 500 miles a year on the same gasoline you are presently using, according to the editor of Tire Review Magazine, a publication for the tire industry.

William B. Whitney reports that tire industry studies show one car out of four, on the average, has at least one tire seriously underinflated. The result, he notes, is a double penalty. The engine has to work harder, requiring more gas, and tire life is reduced.

Underinflated tires also flex more, increasing the chances of tire separation and blowout, the magazine editor says.

Another concern is over-inflation. Overinflated tires are prone to more cuts, impact breaks and more wear at the center of the tread.

Air pressure should be checked at least once a month, preferably weekly, Whitney advises. This frequency should be increased during the winter months, when changes in outside temperatures can result in drastic changes in the pressure in your tires.

The tires should be checked when they are "cool," that is, no later than two or three miles of driving. Even driving a mile can increase those readings because normal heat buildup raises temperatures.

Whitney notes that the Automotive Parts & Accessories Association advises allowing at least three hours after driving for tires to cool before "reading" them.

Motorists should have their own tire gauges, Whitney advises. Here's how to use them:

- Remove the valve cap from the tire and put the rounded end of the gauge over the top of the tire valve.
- Press down with firm, even pressure.
- Release the gauge, then read the air pressure shown.

There are other ways to increase your safety and the performance of your tires:

- Keep car wheels balanced. When wheels are out of balance, they shimmy and shake and cause unusual vibrations through the steering wheel. Unbalanced wheels shorten tire life and don't help the engine, either.
- Put the right tires on your car. Talk to your tire salesperson about the "shoes" for your car. Describe the loads the car carries, the roads travelled, the type of driving (business, errands). All four tires should be the same type and construction. Mixing tires (radials with conventional tires, for example) can affect vehicle control severely.
- Keep your wheels aligned. Poor alignment, which means the wheels aren't pointed in the right direction, makes your tires wear faster on the inside or outside edges because they are scuffing along instead of rolling. Misalignment also can make your car "pull" to the left or right.

### Check Treads

- Check your tire treads. If the grooves are less than 1/16" deep, you are inviting trouble, especially on wet roads. The grooves have the

job of carrying rain water out of the way and if they are too shallow, your car will "hydroplane," which means your car isn't even touching the road. Instead, it is skating atop a slick surface of water — totally out of control.

- Rotate your tires when necessary. Because the front tires do more work in turning and braking, they tend to wear faster. Rotate front to rear or as shown in your car's owners manual about every 7,500 miles. Cars with front-wheel drive are an ex-

ception and don't need to have their tires rotated.

- Practice safe driving habits. It is a touchy subject YOU are a safe driver, but make sure that others driving your car are, too. Avoid jackrabbit starts and sudden stops, slow down before you come to a corner or curve or on rough roads, don't ride the edge of the pavement, avoid curbs and chuckholes, and don't speed. These driving techniques, editor Whitney assures will save on tires and gasoline.

### Hypnotic

Keep your eyes moving while driving to avoid getting hypnotized and to see what is going on around you. Drivers

should glance at their rearview mirrors about once every 10 seconds. Alertness prevents accidents, surprises cause them.

### Use Air Conditioner Even During Winter

If you don't operate your air conditioner at least once a month for about five minutes, the seals — especially the one for the compressor shaft — can begin to leak Freon, the chemical gas which serves as the refrigerant, the Automotive Information Council advises. By all means, AIC says, do not remove the compressor drive belts during the winter.

### Tattletale

Lack of output from your car's heater may be a tip-off to a more serious problem, according to the Automotive Parts & Accessories Association. This can be a sign that the cooling system is not working properly. As engine damage can be caused by a faulty cooling system, better check into it.

**• WINTERIZE NOW •**

A total automotive service including:

- complete transmission work
- complete engine repair
- electronic tune-ups
- exhaust systems
- brakes

**• NEW SERVICE •**

**LIGHT TRUCK AND DIESEL ENGINE REPAIR**

**GM TRAINED DIESEL MECHANIC**

**AUTOMATIC TRANSMISSIONS**

**SPECIALS ON ELECTRONIC TUNEUPS**



**CHECK YOUR COOLING SYSTEM**

Owner  
Dennis Paskiet

**DENNY'S**

**AUTOMOTIVE**

**695-2800**

Mon - Fri 8-5:30  
Sat 8-12      306 Redbud Trail So., Buchanan

**When my Sony receivers pick up a signal, they hate to let go.**



You might call them stubborn, or maybe possessive. But when these Sony AutoSound receivers lock on a station's signal, they think they own it.

Why, if you come to buy one, we have to shut it off just so you can take it away. That means clear, strong reception whether you're driving in city traffic or somewhere out on the Interstate. And Sony has a whole line of amplifiers and speakers, as well as in-dash receivers.

So come on into my store. Once you've heard a Sony AutoSound receiver, you won't want to let it go.

*Randy Rusk*



**Evergreen Electronics**  
**Radio Shack** Dealer

103 W. Ferry St.      471-4044      Berrien Springs

"The Biggest Name in Little Computers"  
Hours: 9-6 Mon - Thurs, 9-4 Fri, Sun 12-4, Closed Sat.

NIASE CERTIFIED MECHANICS AT TYLER-LINVILLE CHEVROLET

THE TYLER-LINVILLE TEAM CONCEPT MEANS QUICK "WHILE YOU WAIT" SERVICE...



**MR. GOODWRENCH**  
teams up for customers...  
... with quick service program

**THE TEAM CONCEPT**



**QUICK - "while you wait" SERVICE**  
EXCLUSIVELY AT  
**Tyler Linville Chevrolet**

THIS COUPON WORTH \$5.00 OFF REGULAR PRICE ON A

COOLING SYSTEM SERVICE

Cooling System Service: Clean radiator cap and filler neck. Test radiator cap and system. Inspect cooling system hoses and clamps. Clean exterior radiator core and A/C condenser. Check coolant condition, level, and protection.


Present this coupon at time of write up

EXPIRES OCT. 15, 1982

**Tyler-Linville Chevrolet**

U.S. 31/33 (NEXT TO SHELTON'S) MILES      688-1710  
SERVICE HOURS: MON. FRI. 7:30-5:30; SAT. 8:00-12:00

TEAM-UP WITH MR. GOODWRENCH AT TYLER-LINVILLE CHEVROLET. WE'RE QUICK & SURE.

WE EMPLOY MECHANICS CERTIFIED BY  LET US SHOW YOU THEIR CREDENTIALS.

QUICK TEAM CONCEPT SERVICE BY NIASE MECHANICS AT TLC

# Salt's here to stay? Corrosion needn't be!

Three of the best ways to help keep your car free of rust: Undercoat, then wash, touch up

Salt—major society benefactor or a tough, vicious destroyer that annually costs America's car owners untold millions of dollars?

Both Over the last nine years, according to one national automotive rust-proofer, an average of 9.05 million tons of salt annually has been used on American roads. That's because salt is still the most efficient, least expensive and safest deicer, the Salt Institute says.

At the same time, however, road salts and air pollutants—sulfur dioxide, carbon dioxide and oxides of nitrogen in particular—brutally attack the exposed metal surfaces of cars. The more humid the air, the faster the pollutants dig in.

Corrosion starts when moisture, salt, chemicals and metals come together. In the resulting electrical current, electrons move from one metal to the next, leaving disaster in their wake. The bigger the dose of water, salt and chemicals, the faster corrosion spreads.

Particularly vulnerable are those boxed-in areas of the car that are difficult, if not downright impossible, to dry out—like the inside of rocker panels, quarter panels, doors, around headlight housings.

Experts recommend a combination of tactics to do a job here. Rust protection on the assembly line or right after, by a professional rustproofing service, plus constant vigilance and tender loving care.

Regular car washes, repainting those little nicks and scratches that show up after you park in a public lot, and keeping door and trunk drainage holes clear are some of the basic things you can do to ensure a long-lasting rust-free car body.

This makes good sense, particularly these days when with cars and other vehicles becoming more expensive each year, many owners are planning to keep them longer than they did in the past.

Meanwhile, salt—that Jekyll and Hyde of American motoring—is likely to be on the road for years to come.

In this question-and-answer interview, Darryl Hearn, chief engineer of the Salt Institute, an international trade association,

It is also essential to wash underneath the car, where most grime and salt collect. If your local car wash doesn't have an underbody wash—and most don't—be sure to pressure spray underneath the car yourself.

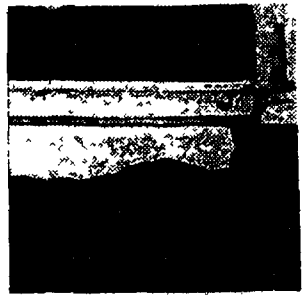
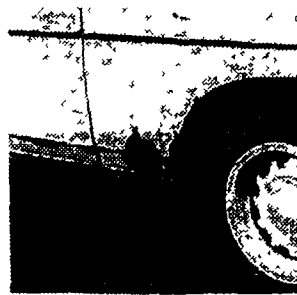
**Q.** Why not just stop using salt on the roads? Wouldn't that take care of the corrosion problem?

**A.** That certainly would slow down the rust process. But to halt the use of salt in an effort to try to eliminate corrosion would be disastrous for many motorists on treacherous ice and snow.

If you live in an area where snow and ice storms occur, salt is likely to be used because it is

the most efficient, least expensive and safest deicer. Even where sand and cinders are

used, some salt must be added to prevent the abrasives from freezing.



A little moisture in boxed-in areas such as rocker panels and fenders is sufficient to get corrosion working. By the time rusting is visible, preventive action usually is out of the question and major repairs are needed.

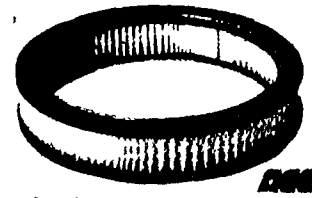
Unprotected quarter panels are highly susceptible to the ravages of extreme winter weather and road salt. Corrosion is caused by electric current created by marriage of moisture, salt, chemicals and various metals.

## CHANGE FILTERS OFTEN TO CONSERVE FUEL!!



**\$1.99** SALE PRICE

Oil Filter Cartridge  
Filtering element traps abrasive particles 10-45205 SERIES



**\$2.88** SALE PRICE

Ace Air Filter  
Prevents dirt from entering engine unfiltered 10-55797 SERIES

**Gambles**

266 East Front Street,  
Buchanan 695-6891

10 YEARS EXPERIENCE

NEW IN TOWN

### Doug's Automotive and Electrical Repair

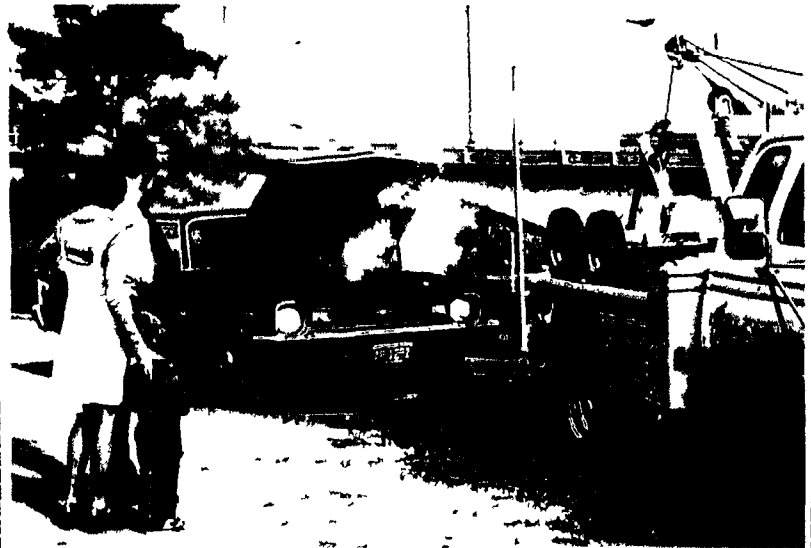
10 YEARS EXPERIENCE

- ✓ BASIC ENGINE TUNE-UPS  
Saves gas—Saves time—Keeps U running—Keeps U safe!
- ✓ COOLING SYSTEM MAINTENANCE
- ✓ IGNITION SYSTEMS SERVICE
- ✓ FUEL SYSTEMS PROBLEMS
- ✓ BRAKES—DISC & DRUM



5811 St. Joseph Ave.,  
Stevensville, Michigan Phone 429-6068

## new belts and hoses don't cost much...



## old ones do.

When your engine overheats because of a broken fan belt or burst radiator hose, it happens suddenly. And you're in big trouble. Expensive trouble. That's why you should have your service station or garage mechanic check your car's belts and hoses

this week. Or, check them yourself. If a belt or hose is wearing out, replace it with a long-lasting Gates Belt or Hose. It only takes a few minutes. And it could prevent serious engine damage, expensive repair and towing bills and hours of grief.



COOLING SYSTEM PARTS TO KEEP YOU OUT OF TROUBLE

**Buchanan Auto Parts**

303 Carrol St., Buchanan  
Phone: 695-2633

STORE HOURS Mon thru Fri 8 to 5:30 Sat 8 to 5

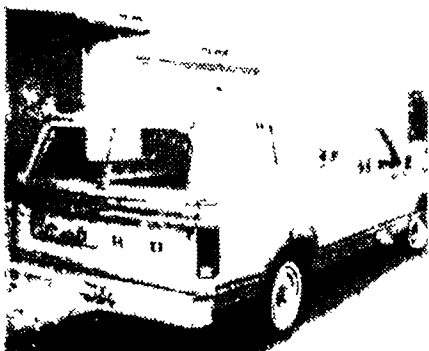


## Campers, Tops & Truck Caps

for all makes and models.

If we haven't "Got it" — we'll "Get it".

HAND CONTROLS FOR AUTOMOBILES \$250<sup>00</sup>



*Fastback of Michigan*

8941 1st Street, Baroda, MI 49101

Mon-Sat 9 am to 5:30 pm 422-2409 or 422-1917

## What to do when you're stuck deep

If you're stranded in a severe storm, stay with the vehicle, using it as a shelter if at all possible.

Clear off any snow so your vehicle can be easily spotted from above, adapting materials from an emergency survival kit to plug up any broken windows.

Clear the snow from around the radiator and exhaust pipe so you can run the motor to keep warm without the twin dangers of overheating or carbon monoxide. It's a good idea to run the engine no more than five minutes every half hour, cracking a window slightly for occasional ventilation. Never sleep with the engine running.

Try to keep warm and dry. Wrap an injured person in a sleeping bag where possible.

### Show you're in trouble

Tie a bright cloth to the radio antenna or clamp it to a window.

Don't exert yourself unduly—it uses up energy. And above all—try not to worry.

Ration your food and drink. Avoid alcoholic beverages because they tend to lower the body temperature much faster than normal.

Huddle together to keep warm. But avoid using open flame inside the car as a heat source.

Leave all lights off to avoid draining the battery. If you hear others close by, use the horn—three groups of three honks.

### How to radio aid

If you have a citizen's band radio, call for help only at intervals. Staying on the CB constantly wears the battery down.

If you're stranded, tune in Channel 9 and ask for the local REACT team. REACT International is a non-profit organization whose members are part of

local teams which monitor CB Channel 9 around the clock, using their own equipment. The REACT member will obtain the details and notify the appropriate agency for action.

There is no charge for REACT's assistance.

Formed in 1962, REACT teams have handled more than 85 million emergency calls—including more than 20 million highway accidents. There are around 100,000 REACT volunteer members and 2,000 teams in virtually every city in the nation and overseas.

### Valve Stems

Be sure to get new valve stems when you buy tires. Not only are new ones inexpensive, old ones can cause new tires to fail, the Automotive Parts & Accessories Association points out.

## High fuel cost makes tune-up better value

Looking for a way to gain high return on a small investment? Consider a tune-up. Based on figures from Champion Spark Plug Company, the Consumer Price Index increased 54 percent between 1974 and 1979, while the price of a tune-up increased at only half that rate.

When your car needs a tune-up, it could be wasting about 11 percent of your gasoline. If your weekly fill-up amounts to 15 gallons at \$1.50 per gallon, a \$6 tune-up could save you about \$2.50 per week, possibly paying for itself in less than half a year.

Investing in a needed tune-up provides benefits beyond fuel savings. A tuned engine starts more quickly in cold weather, emits fewer pollutants and provides safer, more dependable performance.

How do you know when your car needs a tune-up? Before you may be aware of any deterioration of performance, gas mileage is likely to fall off. Keep a constant check on gas purchased vs. distance traveled so you can be alert to the need.

- 1 Rough running
- 2 Hard starting
- 3 Stalling
- 4 Rough idling
- 5 Poor performance
- 6 Knocking or pinging
- 7 Run-on or dieseling with key shut off
- 8 Black smoke from the exhaust

According to Champion, nearly 80 percent of more than 5,600 vehicles checked in its nationwide study of vehicle condition were found to have maintenance deficiencies adversely affecting fuel economy, emissions or performance.

# FLORY

## POLE BUILDINGS

Garage, Farm and Storage

Will build for less

Call collect after 6:00 pm

### 1-616-424-5007

## WHETSTONE GARAGE

OVER 55 YEARS SERVING BERRIEN COUNTY

- \* TUNE-UPS
- \* RADIATORS
- \* MUFFLERS
- \* BRAKES
- \* SHOCKS
- \* WHEEL BALANCING & ALIGNMENT

STATE OF MICHIGAN REGISTERED REPAIR FACILITY # F107864

- \* CARBURETORS
- \* VALVE JOBS
- \* ALTERNATORS & GENERATORS
- \* CLUTCHES

**COMPLETE FOREIGN and DOMESTIC CAR REPAIR**

Call 471-5121

VISA

"A SHORT DRIVE-LONG ON SATISFACTION"

452 WEST PERRY BERRIEN SPRINGS

Complete machine shop service

MONDAY - FRIDAY  
8 AM - 5:30 PM

SAT 8 AM - NOON

## To start or not to start...

...that is the question with winter mornings just around the corner. To ensure safe cold weather driving, let us take a look at your car!

We Are Experts in All Phases of Car Care.

- Tune-ups
- Carburetor
- Brake Work
- Brake Adjustments
- Filter-Oil Change
- Anti-Freeze
- Complete Exhaust Systems

Hours: Monday-Saturday 8-6:30

ALL THE SERVICE YOU EXPECT FROM THE PRO

JOHN'S

SERVICE

OWNER - JOHN TOMANCIK

PHONE 422-2111

CLEVELAND & LEMON CREEK RD.  
BARODA, MICHIGAN 49101

★ COMPLETE AUTO AND TRUCK REPAIR  
★ 24 HR. WRECKER SERVICE  
★ CERTIFIED MASTER MECHANIC

**LUBRICATION, OIL CHANGE, OIL FILTER**

SPECIAL NOW ONLY **\$10.88** SAVE \$5.00

You Get

- \* Professional chassis lubrication
- \* Up to 5 qts. Pennzoil 10-40
- \* New Pennzoil oil filter
- \* Check of all fluid levels

NO APPOINTMENT NECESSARY MOST CARS

EXPIRES 10-5-82

**PENNZOIL**  
Safe Lubrication

COUPON

SPECIAL

2-Wheel Disc Brake Balance

\$64.88

We will:

- \* Install new front disc pads
- \* Resock front wheel bearings and torque to specs
- \* Machine two front rotors
- \* Check brake fluid
- \* Metallic pads extra

Other Services: Shock, muffler, wheel alignment, oil and lubrication all done by professionals

EXPIRES 10-5-82

COUPON

ACRA ACCURATE START 4 YEAR GUARANTEE BATTERY

\$48.88

INSTALLED WITH TRADE

EXPIRES 10-5-82

COUPON

WHEEL ALIGNMENT SPECIAL

\$14.88

YOU SAVE \$2.07

PARTS & LABOR

For most American cars. Four wheel alignment extra

Other services available: Brakes, shocks, mufflers, Oil lubrication to make your ride smooth and safe

EXPIRES 10-5-82

ENJOY OUR FREE COFFEE & AIR CONDITIONED WAITING ROOM

DUNLOP DAYTON

8 F Goodrich T.A.

TIRE SERVICE CENTER, INC.

Hours Mon-Fri. 7 to 6:30 Sat 7:30 to 3

# 277-2744

1 MILE SOUTH OF STATE LINE  
2 MILES NORTH OF ROSELAND  
51555 U.S. 31/33 N

For the long run

# Regular cooling system check keeps that car working well

Your car's cooling system, like the proverbial chain, is as strong as its weakest link. For real dependability, every part of the cooling system should be in good working order.

Automotive Cooling System Institute lists several areas with which car owners should be concerned as part of fall cooling system service.

Let's look at them:

**1 HOSES** Because they must handle coolant under pressure at temperatures up to 265° hoses and clamps must be secure.

Radiator hoses do not last forever, the normal life expectancy of cooling system hoses is about three years. When one hose appears to need replacement, it is probably not alone.

When replacing hoses, be prepared to replace at least some of the clamps at the same time.

**2 PRESSURE CAP** Anti-freeze/coolant boils at a higher temperature under pressure than it does at normal atmospheric pressure. Therefore, the role of the pressure cap, which controls the operating pressure of the cooling system, is vital.

When the pressure cap is leaking or otherwise malfunctioning, the engine is likely to overheat.

**NOTE** Be sure your replacement cap is the correct type for your car. Also, when selecting a replacement pressure cap, consider one with a pressure release feature, a great safety feature that might prevent scalding.

**3 BELTS** A close examination of drive belts should be part of a periodic under-the-hood check throughout the

year. Certainly it is something to be done as part of pre-winter cooling service.

**4 ANTI-FREEZE/COOLANT** You can keep your cooling system trouble-free for years, if it's clean.

The biggest enemy of your cooling system is rust and corrosion. To remove these contaminants, use a chemical flush, carefully noting the manufacturer's instructions.

Some flushes will work in 10 minutes, and the Automotive Cooling System Institute recommends the use of a chemical flush before replacing anti-freeze/coolant.

**NOTE** Be sure anti-freeze/

coolant is used in proper proportions.

For further information on cooling system care, write for the free booklet "Quick Course in Car Care" from Automotive Cooling System Institute, 222 Cedar Lane, Teaneck, NJ 07666.

## Easy money

Auto auctioneers, who see millions of cars bought and sold each year, tell us a car that's well maintained can bring as much as a third more on trade than one that has been neglected. Biggest enemy of a car's body is rust.

## Snow tires may belong up front

Tradition can be habit-forming.

Take snow tires, for example. For decades, motorists routinely installed them on the rear axle where they did yeoman service.

But now, along comes front-wheel drive. And with it,

a change in the rules. With front-wheel-drive cars, snow tires go on the front axle where they help pull the car.

If radial tires are used on the front, radials also should be used on the rear regardless of whether or not the vehicle is front-wheel or rear-wheel drive.

## Open Hood

Open your car's hood occasionally and make sure that the hoses are in good condition. You can tell whether a hose is soft, cracked or leaking without being an expert mechanic. Battery terminals should be cleaned and tightened to assure no power loss and the fan belts should not be loose or worn.

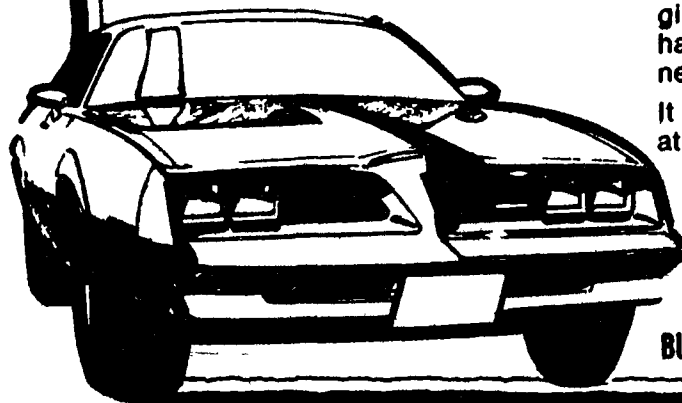
## Mile-A-Minute Now 65½ Seconds

It was easy to estimate how far a car went in one minute if it was traveling at the rate of 60 miles per hour. At the maximum speed limit of 55 mph, how long does it take a car to travel a mile? 65½ seconds.

If you want to be really precise, it's 65.454545.

# Choosing the car you want is the hard part ...

## the Credit Union makes getting it simple.



A simple interest auto loan is all it takes. Just give us a call and we'll have the money you need waiting for you.

It really is that simple... at your credit union.

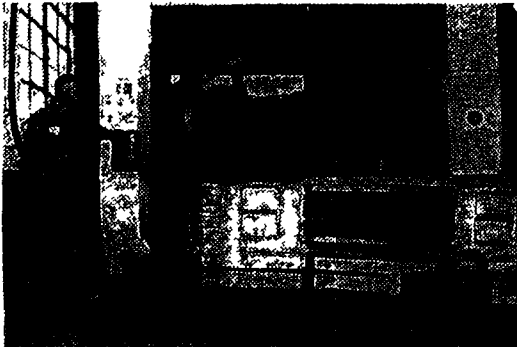


**CLARK FEDERAL CREDIT UNION**

808 EAST FRONT STREET  
BUCHANAN, MICHIGAN 49107 TELEPHONE 616/697-8186



John Noza Sr and son John Jr removing masking from a complete paint at Kennedy's. This father and son team delivers only the finest quality body and paint work.



Frank Shoop operates the car wash at Kennedy's between 9:00 a.m. and 6:00 p.m. daily. When he's not washing cars, he's cleaning and waxing, shampooing interiors and generally beautifying autos.



Peter Meyerink, N.I.A.S.E. certified mechanic, discusses a brake job with Dave Sink. Pete, certified in all eight categories, will solve any of your mechanical problems efficiently and economically at Kennedy's.

# DEPENDABLE CAR CARE FOR A QUARTER OF A CENTURY

For more than a quarter of a century, Kennedy's has served the needs of the Buchanan motorist, proudly representing Buick, Pontiac, American Motors and GMC, both in sales and service.

Changes in the auto industry, however, have dictated changes at the dealer level, new car sales have declined sharply, owners drive their cars longer and service them more faithfully, many people recognize the extra value in quality used cars available from responsible used car dealers as opposed to the high cost of new cars.

Ever responsive to local needs, Kennedy's has

assembled a group of experienced experts to meet this challenge of changing times. Available at Kennedy's are mechanical service, body shop, collision and painting services, guaranteed rust-proofing of both new and used cars, washing, waxing, cleaning, guaranteed paint sealant and fabric protection.

The body shop is capably managed by John Noza, expert in both collision and paint work; the service department is in the hands of Peter Meyerink, N.I.A.S.E. certified in all eight categories. Both Noza and Meyerink have many years of experience in their respective fields and

their reputation for quality workmanship is well known by their previous customers.

Washing, waxing, paint sealing and clean up is handled by Frank Shoop under the direction of Dave Sink who has been either performing these functions or overseeing them for the last 18 years.

Kennedy's can meet your every automotive need and will guarantee total satisfaction at extremely competitive prices. George Sink, manager, invited you to come out, meet the people, check over the facilities, see just what we have to offer.