### TUNE-UP ... Here is the Most Out Why. our How Automobile, **=**

If your furnace or air conditioning system falls to work, you call in an expert to repair it. You want an experienced repairman who is equipped to do the job. And you take his word as to what has to be done and what it will cost.

The situation is the same with your car. A good hane-up is not a do-it-yourself project. Today's complicated eagines require an expert equipped with the necessary tools to do the job right. And the comparatively minor cost of a tune-up is an investment in your car's future.

While much of a tone-up is hand labor, a skilled mechanic realizes at with today's precision engines the use of highly sophlyticated sulpment is necessary to do the Job right.

So don't let the price of a tune-up be the only determining factor your decision. A cul-rate deal may be a cut-rate job.

Should you want to compare what constitutes a really first-rhass ne-up, here's a list of basic items which should be checked.

Compression test
Test battery and voltage regulator
Check all electrical connections and wiring

Clean-fuel filter and sed-iment bowl.

Examine all fuel connec-tions and replace

When you need new tires, it is recommended they be replaced by the same size, or approved options, recommended by the automobile manufacturer, never by a smaller size. New tires should be broken in by limiting your speed to 60 mph for the first 50 miles of driving.

### Outlines Car Care Plan **Pamphlet**

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Learning

What

Makes

More Want to Know What is Required

Keep

Their

Automobiles In

Best Operating Condition

listed in the pamphlet is a chechile of necessary services and when they should be performed. By following these craires, the var owner would like up to new car warranty requirements and avoid expensive repairs. Also, he would save money through more economical operation and would always pass official which inspertion tests.

The pamphlet can be obtained by sending a self-addiresed stamped envelope to Champion Spark Plug Company, Dept. (J. Box 910, Toledo, Ohio 1360).



l'nless you are a seleran trailer hauter it's goe a trailie-free spot. Then proceed with due can

Chemical Research and Electronic Computer

# Here Vacationing in a Camping are Tips on Towing Trailer?

Here are 10 tips and proce-res for hauling a light

1. PULLING OUT. Before leaving the curb double check that you have ample clearance. Use side mirrors and apply power slowly and evenly. Avoid over-acceleration.

2. CORNERING. Take corners at a greater width than usual Avoid driving too close to parked cars or other roadside obstacles.

T. PASSING Allow more time and distance for passing another car After completing the pass allow ample clear-ance for your trailer before signaling and moving into your proper lane avoid rapid maneuvers that tend to sway or tilt the trailer and hamper.

the front wheels in the direction of a skid, you can counteract the skid. If the car's rear wheels turn to the right. Turn the wheel to the right. Don't apply the rehicle brakes until the skid is reduced, and then apply them lightly 'Also apply waller brakes (if any) independently.

10 OVERHEATING If overheating takes place, pull off the road and come to a stop. Do not turn off the ignition. Put the car in PARK or NEUTRAL and run the engine at fast idle until the temperature returns to normal. (Don't remove the radiator cap while the engine is orerheated!)

Many women will readily admit that their knowledge of what is needed to keep the car in good running condition is limited to getting gasoline or perhaps an oil change. The mention of the need for new points, a carburetor adjustment or new spark plugs leaves many women bewildered.

This is the reason the term "Powder Puff Mechanics" is becoming more familiar across the country. Schools, "Y's," even some auto dealerships and service stations are offering classes in basic auto mechanics for women.

These courses, conducted by qualified mechanics, explain in non-technical language the fundamentals of how cars work and how to keep them working. In some instances films are employed to spell out in detail the workings of a car's engine.

An example of this type den and complete brake failwith women approaching 50 percopulation, their interest in what n

rew of us ever have had the terrifying experience of sudden and complete brake failure. The brake system usually gives us ample warning of impending trouble.

Even a warning can be used.

Brakes

An example of this type school is the one conducted at the downtown Detroit YWCA. A well-planned program, the series of ten-week courses in car care is held as part of the YWCA's Adult Activities program. Classes are held in two sessions for two hours, one night each week for a total of 10 hours per session.

The first five sessions consist of classroom discussions where students learn the fundamentals of how a car runs and how to keep it in good running condition; how to avoid major repair bills by learning to recognize strange noises and danger signals.

Even a warning can go unheeded, however, when a driver unwittingly adjusts himself to the very slight changes that take place in the brake system day after day.

To keep a constant check on the condition of your brakes, follow these three procedures:

This calls for

The second five weeks consist of actual under-the-hood practice with classes held in a downtown garage. Here the women actually do on-the-job mechanical work.

Although women who attend these classes come from all walks of life, housewives, nurses, teachers, students, secretaries, they all have the same prime purpose in mind—to learn the mechanics of an 2. In a flat, level, open area where you are clear of obstacles, try a handwoff stop at about 30 miles an hour. If the car pulls to one side you may have brake problems. This also may be symptomatic of misoligned wheels or unequal tire inflation, so consider these before you get too deeply involved in brake service. A good merchanic can pinpoint the

automobile.
And, too, women want to be more knowledgeable when dealing with the people who service their car. In addition, many of them want to obtain enough information about the workings of their car to avoid that feeling of panic should the car stall on a lonely road or on a crowded expressway.

CHASE THAT DIRT
Dirt on top of the battery
casing can cause a generator
to charge all the time no matter how much the car is driven.



### Books on Cars, for Women

Who Want to Know

Two recent books by women authors have added to the rich lore of automotive literature for the car fancier.

"Women at the Wheel." by Julie Candler and "How To Buy A Car" by Val Moolman give readers valuable information on acquiring and caring for automobiles.

Mrs. Candler's book, published by Paperback Library, is a collection of columns from Woman's Day magazine. Written in a chatty, non-technical style, "Women at the Wheel" offers advice from how to keep children entertained on a long trip to making emergency carburetor repairs.

The book is a valuable addition to a woman's (or even a man's) library or glove com-

car. Contained is advice on comparison shopping, what to look for in a car and arriving at a price for the car. There is also material on maintenance to keep the new purchase in top condition.

"How To Buy a Car" was published by Simon & Shuster. Other informative books on car care and enjoyment include:

KNOW YOUR CAR AND HOW TO DRIVE by Bruce Grant, Rand McNally

HANDBOOK FOR THE WOMAN DRIVER by Charlotte Montgomery, Vanguard Press

THIS WEEK MAGAZINE'S
GLOVE-COMPARTMENT AUTO BOOK, Ralph Stein, Editor, Random House
SAFE DRIVING, Pocket
Books Inc.
NATIONAL DRIVERS TEST,
Random House

THAT WHEEL IN YOUR HANDS, by Lawrence P. Fig. gerald, Warner

More.

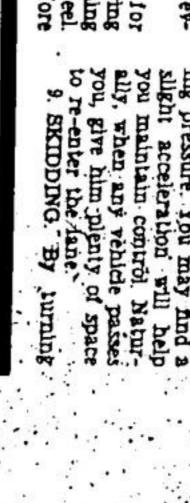
PERFORMANCE CAR, Vincent Lo CAR, Vincent Lo CAR OWNE BOOK, by Tom 3 CAR OWNE GUIDE, by Sim trant, Wehman STRETCHING DOLLAR, by Le Hammond

For other titles, local public libra KNOW YOUR lard A. Allen, Am nical Society

INSPECTION
Thres should the regularly for trescuts or other daming nails, small sof glass embedded will help prevent the ly thre damage which failure.

# NADIAN TIRE

HIGH MILEAGE SAFETY .





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## You Might Be Your Car Ran on Money Losing Cash ally

If your car's engine ran on money instead of gasoline, chances are you'd be throwing away up to 50 cents every tankful.

Based on findings of a recent test program conducted by Champion Spark Plug Company, the average motorist is wasting about a gallon and a chalf of gasoline per tankful.

The tests measured gasoline consumption before and after tune-up. Using a unique portable dynamometer manufactured by Laboratory Equipment Corp., Mooresville, Indiana, the Champion program the also probed the effects of tune-up on power and passing per-tuformance. The typical U.S. driver's indifference to engine maintenance was shown in a recent Champion survey on why motorists neglect tune-up Major reasons for neglect were: 1) they think they don't need it: 2) they are concerned about the cost; and 3) they find it inconvenient.

Galster remarked, "I feel running, he usually answer 'Okay.'"
Galster mentioned that 6 percent of all U.S. cars are in need of tune-up at any giver time.

Galster remarked, "I feel hese attitudes stem from the hotorist's not being aware of the une-up benefits. For example, early 60 percent falled to ention better starting and orty percent of the respondants did not list improved gas conomy and performance as enefits. Only four percent saw on safety implications desire the safer accelerating erformance that results from properly tuned engine."

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