## Take this car care quiz to find

the air in your tires be changed?" "How hot can your engine get before it is con-sidered overheated?"

If you recognize the first three of the above as trick questions and are not sure about the answer to the fourth, you are like most of the 66 drivers tested by University of Michigan Transportation Research Institute's Paul Green.

Dr. Green's goal was to determine how drivers might respond to various types of instrumentation being considered for cars of the future. His first step: To find out how much people know about the workings of their ears,

He learned that most of the people in his test group did not know much about their cars' mechanical functions. Most of them could not correctly answer questions about the operating temperature of their ears' engines, nor tell how much anti-freeze/coolant their radiators held.

Although 10 people attempted to an-ANSWERS TO CAR CARE QUIZ

#### to Cooling, 222 Cedur Lane, Teuneck, and a stamped, self-addressed envelope tive Cooling System Institute, Send 50c

manye booklet offered by the Automosystem maintenance, write for an infor-For further information on cooling tions are up to the task. good reason to be sure hoses and connec-

a plect to pressures nearing 18 p.s.i., a temperatures of up to 280 deg. F. and are hour. Hoses must survive under-the-hood 3) The answer is (c), 7,500 gailons per tale speed.

possible, and "rev up" the engine to fast Also, shift the car to neutral whenever

reached the third.

If you recognized the first three questions as tricks, and stated 250-275 deg. F. as maximum temperature before overheating, you're ready for a few more legitimate questions from Car Care Council about the cooling system:

(1) For improved engine efficiency, cooling systems are pressurized. Normal range of pressure is 8 to 10 p.s.i. True or

you should: 1) Close all the windows and turn on the air conditioner to MAXI-MUM; 2) Open the windows and turn the heater to its hottest setting with the fan on high; or 3) Turn on the headlights and emergency flashers. Choose one.

(3) Cooling system hoses circulate up to; a) 500 gallons per hr.; b) 1,500 gallons per hr.; or e) 7,500 gallons per hour.

helping dissipate engine heat. crease circulation of coolant, thereby tioner and turn on the heat. It will in-Car Care Council. Turn off the air condito help your car through this crisis, says 2) You'll have to bear some discomfort

and engine overheating. weak pressure cap will cause coolant loss seasonal cooling system maintenance. A lates pressure, should be tested as part of pressure. The radiator cup, which regudegrees for every pound of increased sure ranges from 14 p.s.i. to 17 p.s.i. The 1) False. Typical cooling system pres-

### ou can prevent C-V joint problems out how much you really know with periodic checks and quality care

The wonderful world of from wheel proper towing procedures, along with exmaintenance responsibilities with it.

Front wheel drive constant-velocity (C-V) Joints are the grown-up descen- dirt or by rust. Some damage isn't termidants of the universal joints in rear wheel nal; C-V joints can be reconditioned.

shafts to the front wheels. In the process, joints, so why try to pinch pennies? they have to cope with up-and-down suspension movements, steering changes, (2) You're stuck in a traffic jam on a in-and-out movements of the driveshafts hot day. Your car overheats. Until you and other forces U-joints never heard of, pipe or wire in the road is a common to FWD cars.

FWD car, and each C-V joint is protected by a "boot" made of neoprene or a syn-noises is another clue. Don't ignore these

An American success story

in 1928. Today, Perfect Circle, one of Dana's brand names, stands as the only

tention when FWD cars began to flood our highways in the late 1970s. Perfect Circle estimates there will be 84 million 70 FWD vehicles on our roads by 1995! What can go wrong?

Today's C-V joints are marvels of hightech engineering, good for 75,000 miles of trouble-free driving under normal cir-

The most likely cause of C-V joint damage is failure of the protective boot. If a boot becomes torn or cracked, it will sorny sosparous surpos so suited Surpoq . let out the special C-V joint lubricant, and let in dirt or moisture.

The chief causes of C-V joint boot damage are road debris, potholes and im-

drive (FWD) motoring carries new owner tremes of temperature and simple old or clicking sounds in turns, or vibrations

The C-V joint itself can be damaged by

However, the best bet is usually a new Their role is to transmit driving force C-V joint. Perfect Circle, for example, from the engine through two short drive- offers a lifetime limited warranty on new

How do you know you've got problems?

It's easy to see why they're so important cause of C-V joint trouble. If you're worried about possible damage to your car, There are four C-V joints on each have it checked at the first opportunity. The uppearance of unusual drivetrain

noises in a FWD car!

Perfect Circle experts estimate you C-V joints were invented in America have about eight hours of driving time from boot failure until the C-V joint is

that appear at specific speeds are potential C-V joint trouble signals.

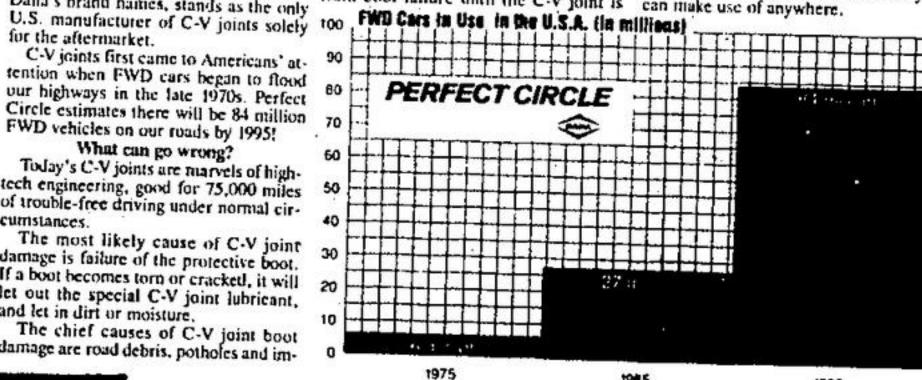
permanently damaged.

At the garage: What you need to know C-V joint repairs are not for amateurs. Skilled professionals with chassis training and the required special tools are the

Humming or knocking noises, popping

order of the day. And C-V joint work can be expensive. A boot replacement might cost \$50-60 for parts and lubor, and complete C-V joint replacement can run upwards of

Finally, our Perfect Circle experts suggest that you insist on quality installation and quality parts from reputable manufacturers. Look for knowledgeable service technicians, brand names with national reputations, and warranties you can make use of anywhere.



### • BLAUPUNKT

### A CAR STEREO DESIGNED FOR PEOPLE WITH EARS...

and something between them.



**DENVER SQR 26** 

#### **Electronically Tuned Cassette Receiver**

\* Autoreverse - Bi-Directional High Frequency Response → ORC Tuning System

★ DNR (Dynamic Noise Reduction) \* ARI Equipped

We Do It All! Sales - Service Installation "Quality Service at a fair price!

> GEORGETOWN **CUSTOM CAR SOUND**

55 Sinclair Ave.

VISA

877-2425

# Things to look for when selecting your motor oil

MOne of the easiest and most important auto maintenance procedures is changing your motor oil. Equally important is the selection of the right motor oil.

According to the experts at Kendall Refining Company, selecting the right motor oil is based on the type of car you are driving, how it is used, and the cli-

mate in which it is being driven. Today's most commonly recommended motor oils are 10W30 and 10W40, as weil as 5W30 motor oils which are primarily recommended for newer and smaller (four and six cylinder engines)

Most motor oils are multi-viscosity,

meaning they will perform at both low and high temperatures. The ability of a particular oil to perform at different temperatures is indicated by the "SAE" grade number on the label.

For example, with 10W40 motor oil, the first number - 10W - indicates how well the oil flows at low temperatures. The lower the number, the thinner the oil and the faster it flows in cold weather.

The second number, 40, refers to the characteristics of the oil in hot weather or at high engine operating temperature. The higher the grade number the more protection it offers against high tempera-

ONLY YOU WILL KNOW WHERE THE REPAIR WAS!



Park Avenue Collision **UNIBODY & COMPLETE** 

**COLLISION SERVICE OVER 20 YEARS EXPERIENCE!** 

Free Estimates - Open 6 Days - All Work Guaranteed

877-3528

41 Park Avenue - Georgetown (By Silvercreek Towers)

