

CLEAN CAR FOR SUMMER AFTER WINTER'S GRIND

Engineer Advises Thorough Overhauling; Explains Way to Do It.

Short runs and operation in freezing weather place a severe burden on the mechanical parts of a car, but a careful "once over" at the service station will go a long way toward guaranteeing a summer of care-free operation, says David Gregg, research engineer of the AC Spark Plug Company, who tells what should be done.

"First of all," he says, "let's start with a bath—clean the engine, chassis and body thoroughly—dirt covers many defects. Check the chassis first. See that the spring clips are all tight; take any excess play out of the spring shackles.

The shipment was to the Canadian Motor Sales Company, Marmon's new distributor in the Montreal territory and one of the largest retail automobile

Trainload of Marmons Goes to Canada



When a solid trainload of Marmon straight eights left the loading docks of the Marmon Motor Car Company this morning for Montreal, another chapter was written into the industrial history of Indianapolis. It was the first time an entire trainload of automobiles ever was shipped to any Canadian point by an Indianapolis manufacturer.

The shipment was to the Canadian Motor Sales Company, Marmon's new distributor in the Montreal territory and one of the largest retail automobile

firms in the Dominion. It was the fourth solid trainload to leave the Marmon factory in the last three weeks, one having gone to the Pacific coast and the other two to the Eastern seaboard.

Officials of the Marmon factory report that shipments so far this month are considerably in excess of the same period in February and that it is certain that March will set a new high monthly record. The previous high month was February of this year. Production at the Marmon factory is progressing at the rate of 150 cars a day.

connections is well worth while, too. Fill the radiator with fresh water and start the engine. Run slowly till warmed up. Valve tappets should be adjusted, motor being warm while this is being done. Follow the manufacturing recommendations for clearances. Remember that while reduced clearances may mean quieter operation they are also a cause of burnt and warped valves.

Look Over Spark Plugs

When the engine is warmed up test your oil filter. If oil flows through it freely—O. K.—otherwise replace the cartridge at once. In a seasons operation this oil filter collects over two pounds of foreign matter that would otherwise circulate through the engine, causing rapid wear and premature age.

"Oil the starting motor and generator, and check for proper summer charging rate, as covered by latest instructions by manufacturers of the ignition system; this may prevent a damaged battery due to overcharging on long, fast summer trips.

"Clean the breaker points in the distributor and set them to their proper opening. Clean the spark plugs. If plugs are badly sooted or points worn to any degree, install a new set. Cleaning plugs will have a beneficial effect on the motor; however, new plugs will pep the motor up and give better operation. Clean off all the ignition wires and see that the contacts are tight. Clean the storage battery with ammonia water, tighten the terminals and coat them with vaseline or grease. Be sure that the battery is securely held in place. Check the liquid level and add distilled water if necessary.

Drain Gas Tank

"In the bottom of the gas tank is a small drain plug. Remove it

and drain out about a quart of liquid. This will clean out any water or dirt that has settled at the bottom of the tank. Clean the fuel strainer and the carburetor strainer, and tighten all connections. As less fuel is required for summer driving, better check the carburetor for the most economical operation.

"Now we come to the finishing touches. Drain the old oil from the crankcase, flush, and fill with fresh oil. Replace the drain plugs on the differential and transmission and put in the proper amount of the recommended grade of gear compound. Refill the radiator with fresh water. Keep your car supplied with water and fresh oil, give it a thorough greasing once every 500 miles and you will have ahead of you a summer of carefree driving, free from all mechanical troubles and annoyances."

OLDSMOBILE SALES SET NEW ALL-TIME RECORD

Schedule Calls for 8,000 Cars for March Domestic Supply.

LANSING, Mich., March 21.—All previous production and shipment records of Oldsmobiles in this country are being exceeded this month, according to a statement by Oldsmobile officials. This record production will be required to meet the year.

Dealers who had hundreds of cars in storage last fall now have just a few cars on hand.

Everybody has been conservative and now many dealers are worried about the difficulty of getting cars for spring delivery.

Another factor which creates a favorable situation is the fact that practically every manufacturer has new and greatly improved models at lower prices.

Second-hand stocks are not large and the public realizes that the demand for new models is so great that they are not asking for long trades on their old automobiles.

AUTO DEMAND TOPS SUPPLY

More Cars Wanted Than Can Be Supplied.

There will not be enough new automobiles in the world to meet the demand of the public for about forty-five days following the first of April.

That is the prediction of Edward S. Jordan, president of the Jordan Motor Car Company.

The picture is a reversal of the situation that existed in the industry last year.

Because of overproduction last fall and the slowing up of sales previous to the Ford announcement, there has been no excess production forced upon the dealers during the past ninety days.

Stocks of new cars at the factories and in the hands of dealers are lower than usual for this time of year.

Dealers who had hundreds of cars in storage last fall now have just a few cars on hand.

Everybody has been conservative and now many dealers are worried about the difficulty of getting cars for spring delivery.

Another factor which creates a favorable situation is the fact that practically every manufacturer has new and greatly improved models at lower prices.

Second-hand stocks are not large and the public realizes that the demand for new models is so great that they are not asking for long trades on their old automobiles.

STUTZ TO RACE FOREIGN CAR IN 24-HOUR DUEL

Will Settle \$25,000 Wager at Speedway April 16 With Hispano-Suiza.

Gil Anderson has been chosen as one of the drivers to guide the destinies of a Stutz Black Hawk, which on April 16 will enter into the most unique speed battle in history—a twenty-four-hour dual on the Indianapolis Speedway, with a Hispano-Suiza of Europe as its opponent and a \$25,000 bet at stake.

Anderson recently established a new American stock car record of 106.52 miles per hour in a Stutz Black Hawk over a measured mile course at Daytona Beach, Florida.

From Europe it is reported that Robert Benoit, speed champion of the continent, will be one of the two pilots of the Hispano-Suiza. The other driver has not been finally announced, but it is rumored he will

be Charles T. Weyman, designer of the Weymann automobile body.

The forthcoming race is the outgrowth of an argument between Mr. Weymann and F. E. Moskovics, president of the Stutz Motor Car Company of America, Inc., at the Paris automobile salon last fall over the relative merits of American and European stock cars. One point led to another, until finally Mr. Moskovics and Mr. Weymann agreed upon a twenty-four-hour match race at the Indianapolis Speedway.

At the time the \$25,000 bet was made \$5,000 forfeits were deposited in an Indianapolis bank in the name of Edward V. Rickenbacker, head of the Speedway.

In addition to the great interest it will draw among lovers of the racing game, the twenty-four-hour race will be considerable of a society event. The sale of all box seats in Stand "A," one of the choice vantage points, will be in

charge of the Junior League of Indianapolis and proceeds will be given to worthy charities. Neither of the sponsors of the race nor the Stutz or Hispano-Suiza companies will share in the profits.

Habig Quality SEAT COVERS
Splendid Patterns Fitted by Experts AUTO TAILORS
Top and Trim Repairs
HABIG MFG. COMPANY
1035 N. Meridian St. Lincoln 8302
Copyright, 1928, Habig Mfg. Co.
Cor. S. Ill. and Georgia St.
Open Till 8:00 p.m.

The Original PAY AS YOU RIDE QUALITY TIRES.
Payments as Low as \$1 a Week
THE UNION TIRE CO.
Geo. Medlam, Pres.
MA 6273
Cor. S. Ill. and Georgia St.
Open Till 8:00 p.m.

Reflects Tomorrow's Vogue



A Great Today and Tomorrow

because
of a Great
Yesterday

Hudson leadership of mode is but another expression of the value that has been the first principle of Hudson manufacture since the beginning.

The resources, which in a moderate-priced car attained the highest mechanical possibilities of the day, have been brilliantly employed to create and lead a new vogue in beauty, comfort, and luxurious appointment.

The wealth of quality detail you see, feel and touch—and every refinement that surrounds you—is typical and expressive of the quality that Hudson gives where character must guarantee the unseen values.

Buyers can pay for cars out of income at lowest available charge for interest, handling and insurance

The NEW HUDSON Super-Six

R. V. Law Motor Co. Distributors

1219-1225 N. Meridian St.

Main 4082

P. B. SMITH AUTO CO.

450 N. Cap. Bvd. Lincoln 3603

OAKLEY MOTOR SALES CO.

1065 S. Meridian St. DRexel 4743

G. WININGS CO.

3816 E. Wash. St. IRVINGTON 3598

NORTH SIDE HUDSON-ESSEX CO.

2441 Central Ave. ELMLOCK 3324

Loose Wheel Causes

Just saying that the front wheels are loose does not mean very much by way of finding the remedy. There are several places where such looseness can occur and they may not be in the wheels at all.

If there is a question as to whether the looseness is in one of the wheels or in the king pin, which holds the spindle to the end of the axle, it can be decided easily enough. Just remove the wheel and grasping the spindle, see if it is loose.

If it appears tight and there is no loosening observable at the king pin, you are safe in assuming that the trouble is in the wheel.

Such wheel trouble may be due either to worn bearings or, which is more likely, to the nut not being drawn up tight enough.

Ford and Chevrolet
BATTERIES
\$8.95
PUBLIC SERVICE TIRE CO.
110 E. NEW YORK ST.

OLD TRAILS
INDIANAPOLIS
For Auto Insurance—Call Riley 1301

GUARANTEE
TIRE & RUBBER CO.

Everything for the Car
for Less

Is a Half Hour of Hard
Work Changing a
Tire Worth 2c?

Save your money,
time and energy.

Bowes' Seal-Fast
Tire Patch

Pays because
it **Stays**

Patented Apr. 8th, 1924

In Point of Service
It Costs the Least

Particular Dealers Handle "Seal-Fast"

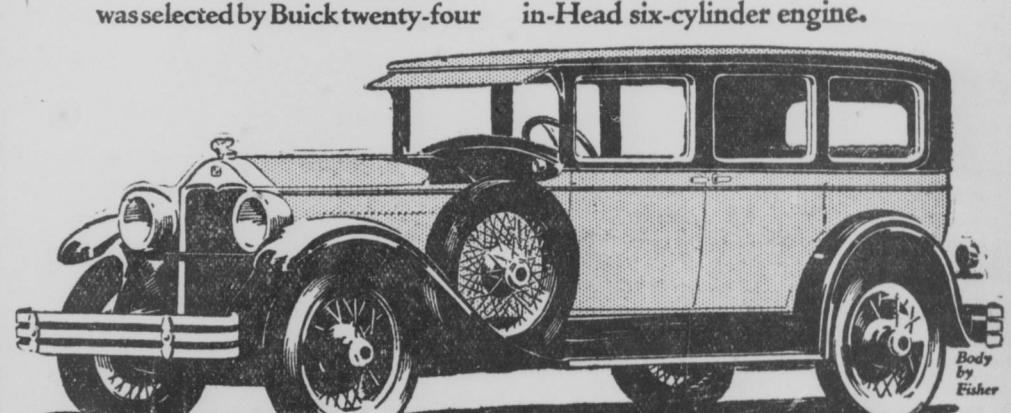
Bowes' Seal-Fast Corporation

Indianapolis, U. S. A.

England's
most Princely Car
follows Buick
to the Valve-in-Head
Six Cylinder Engine!

One of Europe's royal cars—a car priced six or seven times as high as Buick—has recently adopted a Valve-in-Head six-cylinder engine similar to the world famous Buick power plant. Valve-in-Head design was selected by this other fine motor car for the same reasons that it was selected by Buick twenty-four

years ago—because it provides an unrivaled combination of power, getaway, smoothness and day-in-day-out dependability. These are vital reasons why more people buy Buicks than any other fine automobile. They explain why England's most princely car has followed Buick to the Valve-in-Head six-cylinder engine.



SEDANS \$1195 to \$1995 • COUPES \$1195 to \$1850 • SPORT MODELS \$1195 to \$1525

All prices f. o. b. Flint, Michigan, government tax to be added. The G. M. A. C. finance plan, the most desirable, is available.

BUICK MOTOR COMPANY

Division of General Motors Corporation—Indianapolis Branch

Meridian at Thirteenth Street

CENTRAL BUICK CO.

2917-2919 Central Avenue

JNO. A. BOYD MOTOR CO.

833-837 North Meridian Street

THORNBURG-LEWIS MOTOR CO.

1302-14 East Washington Street

WHEN BETTER AUTOMOBILES ARE BUILT... BUICK WILDS BUILD THEM