

MOTORS AND MOTORING: A Page Full of Interest to the Owner or Prospective Owner of an Automobile.

Keep Car in Shape

LIST SHOULD HANG IN HOME GARAGE OF EVERY CAR OWNER

One of the big rubber companies attaches to every shipment of brake lining a card containing some suggestions which are worthy of general circulation:

1. Storage battery inspected every two weeks
2. Grease cups up every 1,000 miles.
3. Springs oiled every week.
4. Oil and gasoline connections inspected every week.
5. Crankcase drained and washed out with kerosene every 500 miles.
6. Universal joints packed with grease every 1,000 miles.
7. Differential and transmission packed with grease or oil every 1,000 miles.
8. Spark plugs cleaned every 1,000 miles.
9. Carbon removed from cylinders twice a year.
10. Valves ground each 5,000 miles.
11. New piston rings every 18 months.
12. See that wheels are in line once a month.
13. See that the water is circulating every time the car is started.
14. Bearings on wheels inspected once a month.
15. Gasoline pipe and carburetor thoroughly cleaned every month.
16. Self-starter inspected every month.
17. Steering wheel and steering knuckles inspected once a month.
18. Test brakes and equalize once a month.

Removing front wheel hub washer—To remove the split steel washer that snaps into a groove in the hub of a front wheel and holds the thick felt washer in place over the inside bearing, the most effective method is to make the simple tool. Obtain a pair of round-jawed pliers about five or six inches long. File a notch on the inside of each jaw near the end and then reduce the diameter of the jaws until they will just slip into the holes in the split washer. Having done this, it is a simple matter to remove the washer. Hook the ends of the pliers into the holes, close the pliers to contract the washer to draw it out of the groove, and then by running a screwdriver around under the edge of it, it is easily slipped out. I have used one of these tools for several years and find it most effective.

Crazy Driving

Charged with driving an automobile at a speed of 45 miles per hour, a Vancouver Chinaman created some merriment in court by his defense.

The officer who effected the arrest informed the court that the accused looked back several times, and seeing he was followed, put on more speed.

"Why did you speed up like that?" queried the court.

"Well, judge, I lookee back, see man, he come fast, toot horn. I think he hit me with his car, so I hurry. I look again, he toot some more and come faster. I think he crazy, and I hurry some more yet. Then he hurry some more and toot-toot his horn, and I think sure he crazy so I go likee h—ll. Then he stop me."

The Manitoba Motor League is erecting 8,000 sign posts throughout that province.

Tips to Motorists

Brakes should always be carefully applied, especially if the road surfaces are wet.

Throwing the ignition switch to "off" place does not insure your car from theft. Take the keys with you.

A magneto not only repays the small additional first cost, but in gasoline costs saved, it pays continual dividends.

One should never attempt to drive cars at high speed unless the tire casings are in perfect condition and the road surface good.

Always drive your car slowly and cautiously until you are thoroughly familiar with its control mechanism and the methods of stopping it.

You can cut down repair bills by occasionally examining the mechanical units in your car. It takes little mechanical knowledge to tighten a bolt here and there.

A good short cut to low operating expenses is careful driving, watching faithfully the performance of the engine, and giving it immediate attention if anything does go wrong.

When two of the wires of the lighting or starting systems are producing a short circuit, an inevitable accompaniment of the condition is heat. By feeling carefully along the line the operator can usually detect the presence of a short by the heat that is being generated.

Gasoline lines sometimes leak because of chaffing against the edge of frame channels or other parts. An easy way to remedy this is by wrapping soft wire tightly about the tubing, winding it for a small distance each side of the leak and then going over the wire with solder.

If driving on clay or muddy roads, or on wet asphalt, care must be taken in turning corners, and the car should always be driven cautiously to avoid dangerous side slipping or skidding. When driving on unfavorable highway surfaces always keep one side of the car on firm ground if possible.

Air leaks are a common cause of misfiring, though they are often overlooked. A worn valve guide allows enough air to be sucked into the cylinders to cause misfiring, and it also permits oil to leak out. If oil is discovered leaking out it is fair to assume that excess air is being injected into the fuel charges.

When the starting motor lacks power to turn over the crankshaft it may be strengthened by coupling on another storage battery, connecting it in multiple so as not to increase the voltage. If the conducting wires are of sufficient size from the battery to the motor, there will be a considerable gain in power output.

Air Valve Leaks

When a tire gradually softens it is reasonable to suspect an air valve leak. In this case, turn the wheel so that the stem points downward, remove the cover but allow the cap to remain on. Hold a tumbler of water against the rim so that the valve stem is immersed in water. If there is a slow leak at the valve, bubbles will show. Next remove the cap and try the same experiment.

A new invention for motorist is an attachment to the gasoline tank which whistles when the supply is getting low.

Auto Vendors Guarantee Parts in Saskatchewan

Agitation was begun some time ago in Regina, Sask., by an owner of a one-time popular brand of car whose manufacturers had stopped production on it to build another type. This owner claimed he could not obtain spare parts anywhere in the province and that the company was not interested in giving service on old cars.

This led to a new law for automobile vendors in Saskatchewan. They are compelled to give the purchasers of cars guarantees that all the necessary parts except those which can be made by a carpenter or blacksmith will be kept at a specified place in the province for a period of ten years from the date of the sale of the car. They are obliged to file with the provincial secretary a list of repairs showing prices on February 1 of each year.

Tighten Engine Bolts

In some cars loosening of the engine bolts which hold the latter in place, may cause misalignment of the engine, with serious consequences. If there is even slight looseness of the bolts it may permit the engine support to hammer and pound and in time the supporting arm may actually break off.

Use Graphite on Rims

Rusted rims often cause the sticking of tubes, and such trouble can be averted by painting the rims with graphite mixed to a creamy paste with gasoline. The theory of this is that the gasoline evaporates, leaving the formation of any rust.

Many Batteries Used

Statistics just compiled indicate that there are 5,000,000 automobiles with starting and lighting systems now in use in the United States. The average life of each automobile storage battery is less than 23 months. This means that within the next two years there will be a demand for 5,000,000 replacement batteries besides the thousands added every day in new cars now being produced.



Peggy Mendel One of the Bathing Beauties with the Katzenjammer Kids, Opera House, July 17.

Minard's Liniment used by Physicians

Loose Clips Cause Spring Breakage at Centre Bolt Holes

If any proof be required of the necessity of keeping spring clips tight at all times it may be found in the fact that neither dealers nor manufacturers will replace a spring that is broken through the centre bolt hole—the place where most springs give way, observes a contributor to American Motorist, who goes on to say:

"Breakage of this nature is taken as evidence that the spring clips were not kept tight. The spring clips are subject to bending in two directions, with the result that excessive strains are imposed at the weakest point, which in this case is at the bolt hole. The spring clips should be treated perfectly tight by drawing the nuts up as close as possible with a wrench of such size that there is no question of their being tight. It is well also to bear in mind that even a nut secured by a lock washer will ultimately work loose—hence the necessity for looking over your spring clips now and then.

Keep Minard's Liniment in the house. 42, 31

AUTOMOBILES FOR SALE!

Several second hand Autos and Auto Trucks. All thoroughly overhauled and ready for the road.

T. E. HUTCHINSON WOLFVILLE



Separate Sealed tenders, addressed to the Postmaster General, will be received at Ottawa until noon, on Friday, the 30th July, for the conveyance of His Majesty's Mails six times per week, over the

Berwick No. 1 Rural Mail Route and three times per week, over the proposed

Kentville No. 2 Rural Mail Route under proposed contracts for four years, to commence at the Post-masters General's pleasure.

Printed notices containing further information as to conditions of proposed Contracts may be seen and blank forms of Tender may be obtained at the Post Offices at Berwick, Kentville, North Alton and South Alton and at the office of the Post Office Inspector:

Post Office Inspector's Office, Halifax, 18th June, 1920.

W. E. MACLELLAN, Post Office Inspector.

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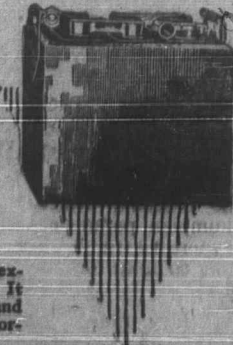
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