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Don't Wreck Your Car

WHEN YOU TRY TO REPAIR IT

"On the phone, Gus!" Joe Clark bellowed, and in a moment or two Gus Wilson, his partner, stepped into the tiny office of the Model Garage. He wrapped a huge and grimy paw about the receiver.

"Sure, Jim," he said after a pause, "I'll stop in on my way home tonight.

Gus dropped the receiver into the hook. "That was Jim Farrel, sort of a cousin of mine," he explained, "His car needs a lot of work done on it, and he figures, with a couple of hints, he'll be able to fix it himself. Wants me to tell him what to do."

"I know Jim," Joe answered, "and he'll take a powerful lot of telling. I'll go along. Maybe I'll learn something, too."

At closing time they headed for Farrel's house.

"Jumping catfish!" Gus growled as they pulled into the driveway. "Take a look at what he's done! It's a good thing we got here quick. Going into the auto-wrecking business, Jim?" he asked.

"Not if I can help it," Jim said with a grin, trailing a black streak across his face as he wiped away the perspiration. "I was just starting to take it apart so I could get to work on the overhauling."

The veteran auto mechanic gazed at the miscellaneous array of parts that had been removed. One wheel was off, a headlight rested on the ground, the bumper was off, the battery out, and bolts and nuts were scattered all over the place.

"If you go at it that way," Gus told him, "you'll have the car laid up all summer and maybe for good. You remind me of the sap who ordered a carload of lumber before he decided what kind of a house he was going to build."

"Before you opened the tool kit," he continued, "you should have made out a list of what needed to be done. Then you should have tackled one job at a time, starting with the one that was most necessary. That way you get the work done little by little and your car'll only be laid up a few days at a time.

"Oh, is that the way you do it?" asked Jim somewhat sheepishly. "Well, you know what a car needs a lot better than I do.""

"Humph!" Gus grunted as Farrel wiped his hands and fished out a notebook and a stub of a pencil. "If I were to tell you all the things this car needs done to it, we'd be here the rest of the night. That's one of the funny things about overhauling an old car, you never know where to stop.

"The simplest way is to consider the car as just so much transportation. In that case you do whatever work you can justify on a cost per mile basis and let all the rest go. Your wife, of course, wouldn't be satisfied, for most women would rather have the dents taken out of the fenders and a new coat of paint put on than have you spend money and time fixing the motor so it runs better and uses less gas and oil. Some men think that way, too."

"Anyhow," he went on, "no matter how you figure, the first item on your list ought to be the brakes. And the second should be the steering mechanism and the rest of the running gear. Dents in the fenders and a shabby appearance may hurt your pride and a motor breakdown will be mighty inconvenient, but brake or steering gear failure is likely to put you where you won't have any more use for a car!"

"Reline brakes," muttered Farrel as he started writing. "They're punk, I know. I'll put the rest of the stuff back and spend Sunday on the brakes."

"As for the steering mechanism," said Gus, "you may not have to do a thing to it, but while you have the wheels off for the work on the brakes, it's easy to look it all over and see if the king-pins have too much play—a little won't do any harm—and also check the linkage to see nothing is coming loose; no cotter pins missing and so on.

"Look over the front wheel bearings to make sure there are no cracked rollers or balls and if you want to be really fussy, clean 'em out and put in new grease. See that the rear hubs are tight on the axles, too."

"Should I pull the rear axle apart to see if that's all right?" Farrel interrupted.

"Why?" Gus demanded. "Unless your rear axle hums or there's too much play when you jack up one of the wheels and rock it back and forth, you'd better let well enough alone. Of course, it's a good idea to flush it out and put in new lubricant, but that has nothing to do with overhauling. It's one of those jobs that ought to be done regularly at the times specified on your oiling chart."

"If you've got a bad hum or a grind in the rear end, that's something else again. In that case you ought, at least, to open up the rear cover and see if the gears are chewed up or the ring gear is working loose on the differential housing. A noise that sounds...

By MARTIN BUNN

GUS says:

The day has long since passed when every motorist had to carry along a regular machine shop or take a chance on spending the night in somebody's barn. But just because service stations are so handy is no reason you shouldn't carry along a jack, a tire pump, and a few good tools for emergencies.
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