

Tires

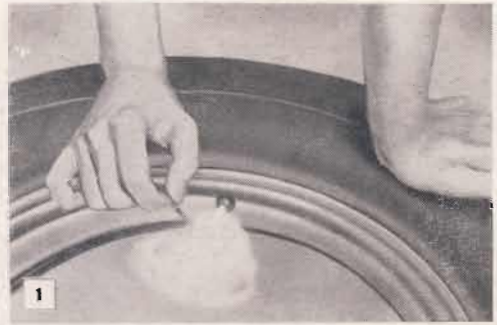
If you drive a car, of course, there'll be a time when you will wish you knew how to repair a tire. It's really no trick to dismount, repair and remount a tire on a drop-center rim. Remember to keep the necessary tools and tire-repair equipment in the car at all times. You'll need a jack, tire irons, air pump and a tire-patch kit. The kit consists of various sizes of rubber patches, scraper and rubber cement. The kit patches will take care of small punctures and slow leaks.

First of all when you get a "flat" be sure to pull clear off the road so you won't be a hazard to traffic. Block the wheels and set the emergency brake to keep the car from rolling off the jack. Make sure the jack is on a good solid base and raise the one end of the axle so the tire clears the ground. Remove the nuts that hold the wheel onto the brake drum and then slip off wheel assembly from the axle.

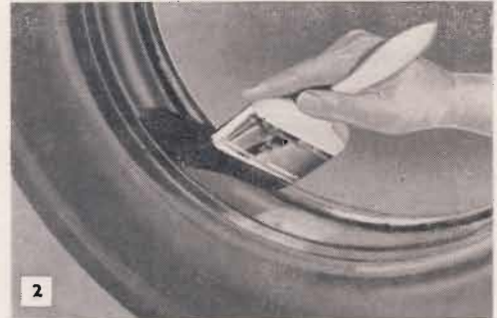
Lay the wheel flat on the ground. The inner tube should be deflated as low as possible. This is accomplished by pressing on the valve stem with a pointed tool or by removing the valve core, using the slotted end of the valve cap, as shown in Fig. 1. Loosen the beads on both sides of the tire by inserting a tire tool under the edge of the rim and exerting downward pressure to force the bead into the drop center. Pry one bead over the flange, using two tire tools alternately. At this point make certain that the valve body has been pressed out of the hole in the rim. Turn the wheel over and force the other bead off the rim. Remove the flap covering the tube and then pull the tube out of the casing.

When the inner tube is punctured, but the casing practically uninjured, as in the case of puncture by a nail or tack, satisfy yourself that the tack or nail is not sticking in the casing.

A hole caused by a nail or tack can be



The first step when removing a tire from the rim is to deflate tube completely by removing the valve core



Before remounting the tire, lubricate the beads with a vegetable-oil soap. Do not use oil or cup grease



After the tire is fitted on the rim, inflate the tire to press the beads tightly against the rim flanges

