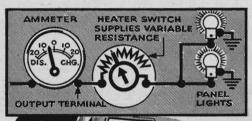
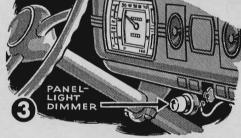


## VARIABLE RESISTOR CUTOUT REMOVE THIS BRUSH AND RECONNECT FIELD COIL LEAD FRAME GROUND COMMUTATOR





## Hints From the



1. Watch Your Cap! Doc Kennedy drove into the Model Garage a couple of weeks ago and yelled for Stan Hicks to fill up his tank. Next day Doc turned up again, and accused Stan of forgetting to put the cap on the tank. Perhaps Stan did. Anyway, it

was lost beyond doubt. W. Van Sandt, Long Branch, N. J., thinks grease monkeys like Stan would be less likely to overlook the cap if it were painted bright yellow for contrast. A good idea for the oil filler cap, too.

2. Vary the Voltage by Hand. When extra electrical accessories are installed, a problem always arises if the car lacks an automatic voltage control. If the generator is set to carry the extra load, it's apt to overcharge the battery when the load is off. As a solution, K. C. Anderson, Ames, Iowa, installed a manually operated field resistor rated at 100 watts, 5 ohms. The resistor was placed on the dash, and generator output can now be varied while driving.

**3. Less Light on the Dash.** If your car doesn't have a dash-light dimmer, a variable resistance switch from an old car heater will let you adjust the brilliance of the instrument-panel lights. J. R. Sisley, Seattle, makes the suggestion.

**4. Parking Lamp Improvised.** While installing several sealed-beam adapters, Henry J. Stauf, of Woodside, N. Y., found that the low beam could be dimmed for use as a parking lamp by placing a 1-ohm

