

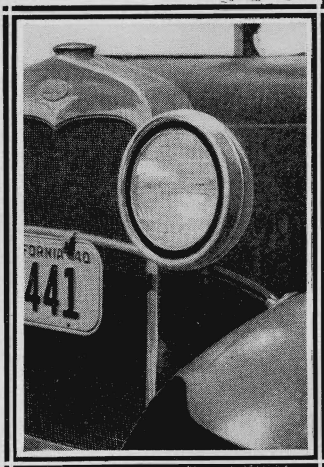
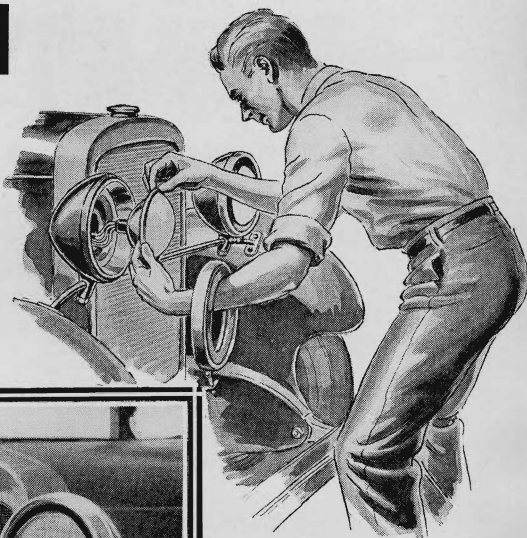
# SEALED-BEAM LIGHTS

## FOR YOUR OLD CAR

WHEN the new sealed-beam headlights came out, I set to work to see if I could work out a simple way to adapt them to the Ford I was driving. By the time I got through, I had them on my car. The same system will work for any Ford through the 1936 models, and, with a few changes, with many other cars.

First, remove the headlight lens frames and lenses. Then remove the lamp sockets from the lamp housings, including the entrance units at the housing bases. Now make two essential parts— $\frac{1}{8}$ "-thick sheet-metal adapter rings with an outside diameter the same as that of the original lens, and an inside diameter of  $6\frac{5}{8}$ ". Line one side of these with inner-tube rubber to serve as a gasket where they will contact the rims of the sealed-beam lamps. Fasten these adapter rings in each old lens frame with the same clips that formerly held the old lenses.

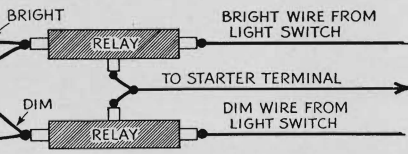
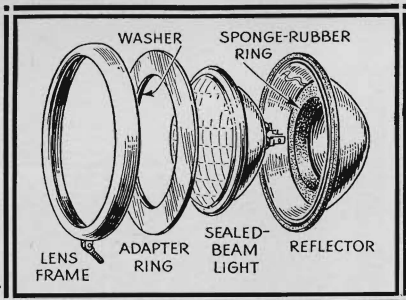
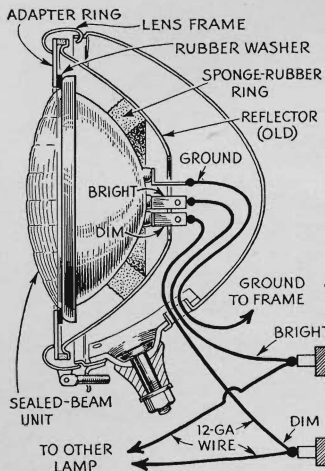
Using the old reflectors, cut 2" holes in their dead centers, completely eliminating the old sockets. A  $\frac{1}{2}$ "-square strip of sponge rubber is now fastened with rubber cement to form a ring 2" in from the edge of



Fitted inside your old headlight shells, the sealed-beam bulbs will give you lighting advantages of a new car

each reflector. Run the ground, dim, and bright wires through the lamp housings and reflectors and attach each ground wire to the upper terminal of each bulb, the dim wire to the lower left terminal, and the bright to the right. The regular wires will do, but it's better to use headlight relays and heavier wires. Set the bulbs against the rubber rings on the old reflectors, and clamp them with the lens frames and adapters. Adjustments may be

made with the regular lamp-mounting swivel. The bulbs should be aimed straight ahead so that the upper beams drop 3" in 25'. The lower beams will then be correct. I believe that this will be found to be the simplest and most effective way of applying these lights.—HENRY EWING.



How various elements are assembled. You discard the original lens and bulb, and make one new part. Use relays for best results