

INSTRUCTIONS
FOR
FOCUSING AND ALIGNMENT
OF
FORD "H" HEADLAMPS

(T-6511H)

FORD MOTOR COMPANY

DETROIT, MICH.



T-6511H

GENERAL

Ford standard T-6511H headlamps, carrying T-6576H refracting lens and T-6572H clear glass double filament 21 c. p. gas filled bulb, must be properly focused and aligned as follows, when same are assembled to the car.

These adjustments will be made by the Branches in all cases where lamps are assembled to the car. In cases where lamps are assembled to the car by the dealer, the dealer will make the adjustments. In replacements the dealer is to make adjustments for the owner.

Align and focus headlamps with empty car standing on a level surface in front of a white wall or screen 25 feet from the front of the headlamps. This wall must be in semi-darkness or shielded from direct light sufficiently that the light spots upon it from the headlamps can be clearly seen, and must be marked off with black lines as shown in cuts.

FOCUS



Right Headlamp Properly Focused and Aligned.



1—Turn on bright lights.

2—Focus, by means of screw at back of lamps, first one lamp and then the other, adjusting the bulb filament at the focal center of the reflector to obtain an elongated elliptical spot of light on the wall, with its long axis horizontal. (See cut.) In focusing, adjust the bulb to obtain as good contrast and as well-defined cut-off across the top of the spot of light as possible.

With lamps thus focused for the "bright" filament, the "dim" will be in satisfactory position.

ALIGNMENT

Headlamps are to be aligned, after assembling to car, by bending the headlamp brackets as follows:

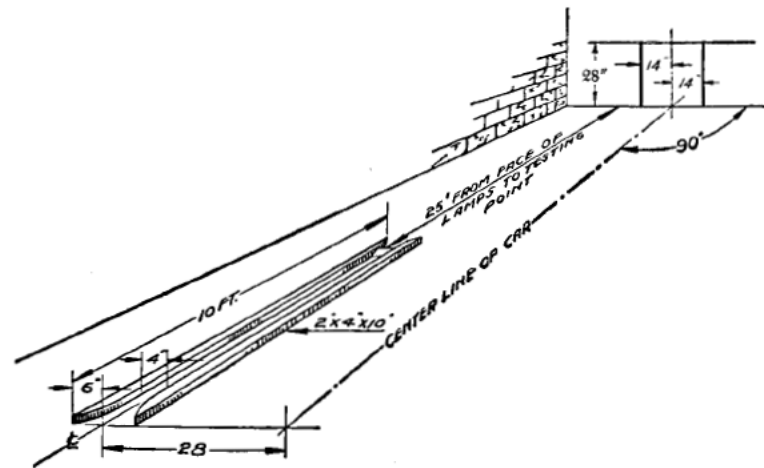
1—The tops of the bright spots on the 25-foot wall are to be set at a line 28 inches above level of surface on which car stands. (See cut.) With top lines thus set for empty car, the headlamps will also have the proper tilt under full loads, as required by the various states.

2—The beam of light from each headlamp is to extend straight forward, that is, the centers of the elliptical spots of light must be 28 inches apart.

Proper alignment is readily checked by means of a horizontal line on the wall in front of the car 28 inches above the level surface of car, and two vertical lines 28 inches apart, each one 14 inches from center line of car. Proper alignment of car relative to marks on the wall may be readily provided by use of wheel guide blocks for one side of the car, as shown in cut. If it is impossible to tie up the floor space required by these blocks, marks painted on the floor may be used to show where one set of wheels should track and where the car should be stopped.



Both Headlamps Properly Focused and Aligned.



Shop layout for Focusing and Alignment of Ford "H" Headlamps.