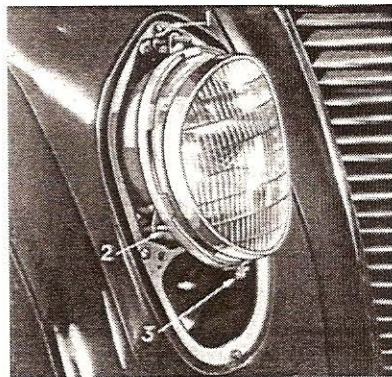


Because we all have questions!

Adjusting Headlights on the C-17 and Changing Burnt Out Bulbs



Headlamp C-17

1. Headlamp body retaining screw
2. Beam adjusting screw (side)
3. Lens retainer clamping screw

The vehicle should be placed without load on a level surface, with the headlamps located 25 feet from a light-colored wall. A horizontal line should be drawn on this surface below lamp centers. The distance below lamp centers for the C-17 is 2". The center point should be located on this line by sighting through the center of the rear window of the vehicle and in line with the radiator ornament. Equidistant from this center point, two vertical lines should be drawn at a distance from each other equal to the distance between the centers of the headlamps. These two lines will be immediately ahead of and in line with the respective headlamps.

With the headlights turned on and the headlamp beam control switch on the floorboard depressed so the upper beams of light are connected, one lamp should be adjusted (*with lens in place*) while the other is covered. The beam of a correctly adjusted headlamp is shown in the accompanying illustration.

NOTE: To change the bulb, use both hands to keep lens from falling.

CAUTION: If the lens tends to stick in the lamp body, it should be held with one hand while the upper portion of the lamp body is given a sharp rap with the palm of the other hand. This will loosen the lens and permit its removal.

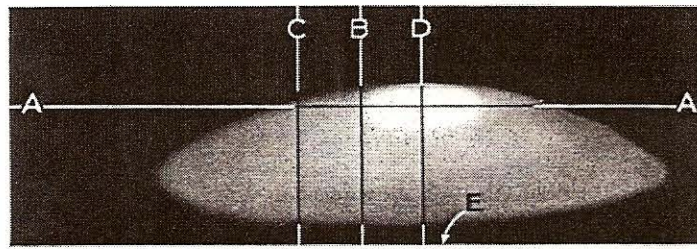
To Insert:

1. Enter lens at bottom.
NOTE: Line up locator with locating notch in lamp body.
2. Slide lens toward bottom of lamp body until top of lens clears the body opening.
3. Press inwardly at top of lens.
4. Hold lens in place and tighten lock screw.

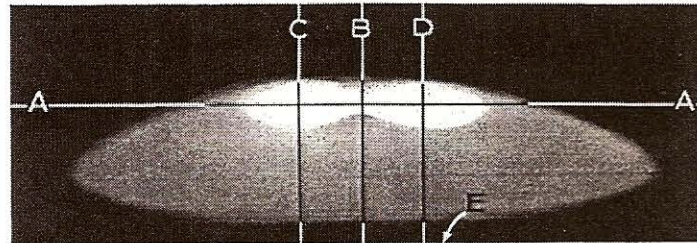
The light beam may be adjusted in both vertical and horizontal directions. When one lamp has been properly adjusted, it should be covered and the other lamp uncovered, then the necessary adjustment made to the latter. The lower beams of light will not require further adjustment.

To aim the headlamp beam on the Airflow C-17, the lamp door should first be removed by removing the screws which hold it to the fender.

Around the outside of the lamp body are three long screws. One of these is above the lens and slotted for a screw



Upper beam of right headlamp



Upper beam of both headlamps

driver; the other two are behind the lens frame on the right and left sides.

The shanks of these screws are square so they may be turned with a wrench. If it is desired to raise or lower the light beam the top screw should be turned. The two side screws should be turned for shifting the beam to the right or left.

LIGHT BULBS

If light bulbs burn out frequently, check the following :

1. Loose connection at generator, ammeter or battery.
2. Corroded battery terminals.
3. Poor ground connection.
4. Improper adjustment of generator regulator.

Bulbs which have been damaged, burned out or blackened in service, should be replaced with new ones. The following bulbs are used:

Location	Candle Power	Mazda No.
Headlights	32-32	2331
Parking Lights	1-1/2	55
Tail and Signal Lights		
Tail	3	1158
Signal	21	1158
Instrument Lights	1-1/2	55
Dome Light	15	87
Rear License Light	3	63
Ignition Lock Light	1	51
Headlight Beam Indicator	1	51

TAIL AND SIGNAL LAMP

The tail and signal lights are enclosed in a single unit, illumination being effected by a double filament bulb. The 3 c.p. filament is lighted when the tail light is on, and the 21 c.p. filament is lighted only when the brakes are applied. The tail and signal light lens and door can be taken off by removing the retaining screw from the lamp body at the base of the door and lifting up and out on the assembly. A new lens can be installed by removing the spring clips, inserting the lens and replacing the lens retaining clips.