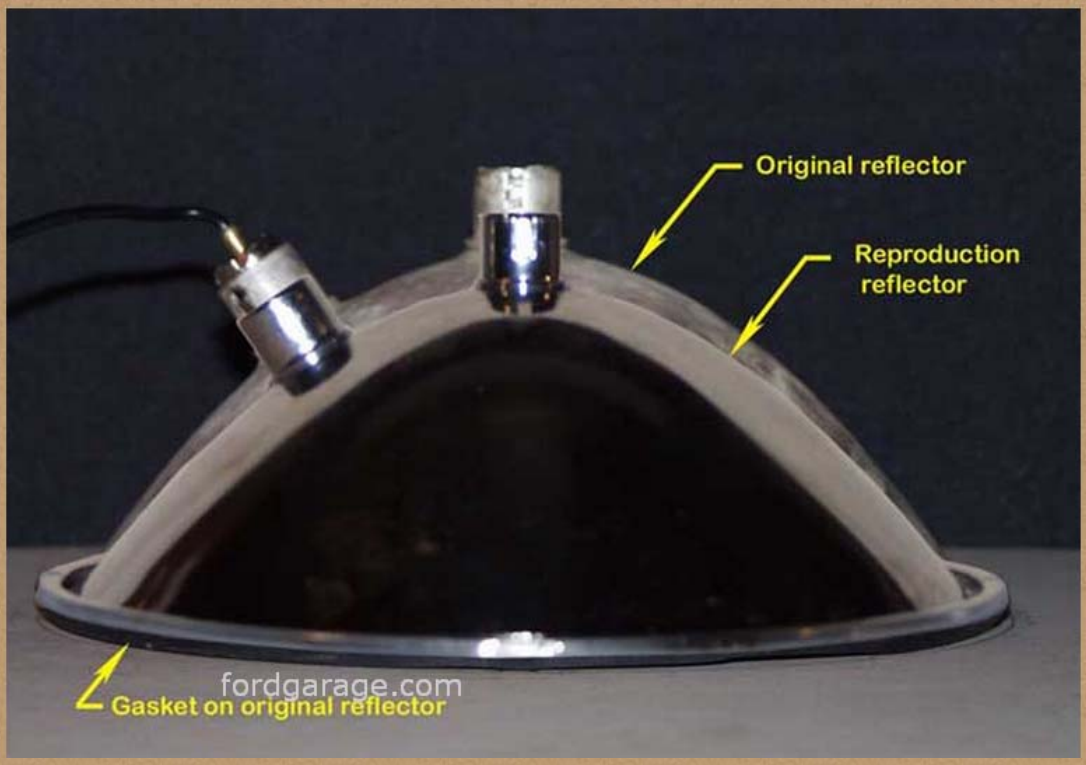
Ford Garage

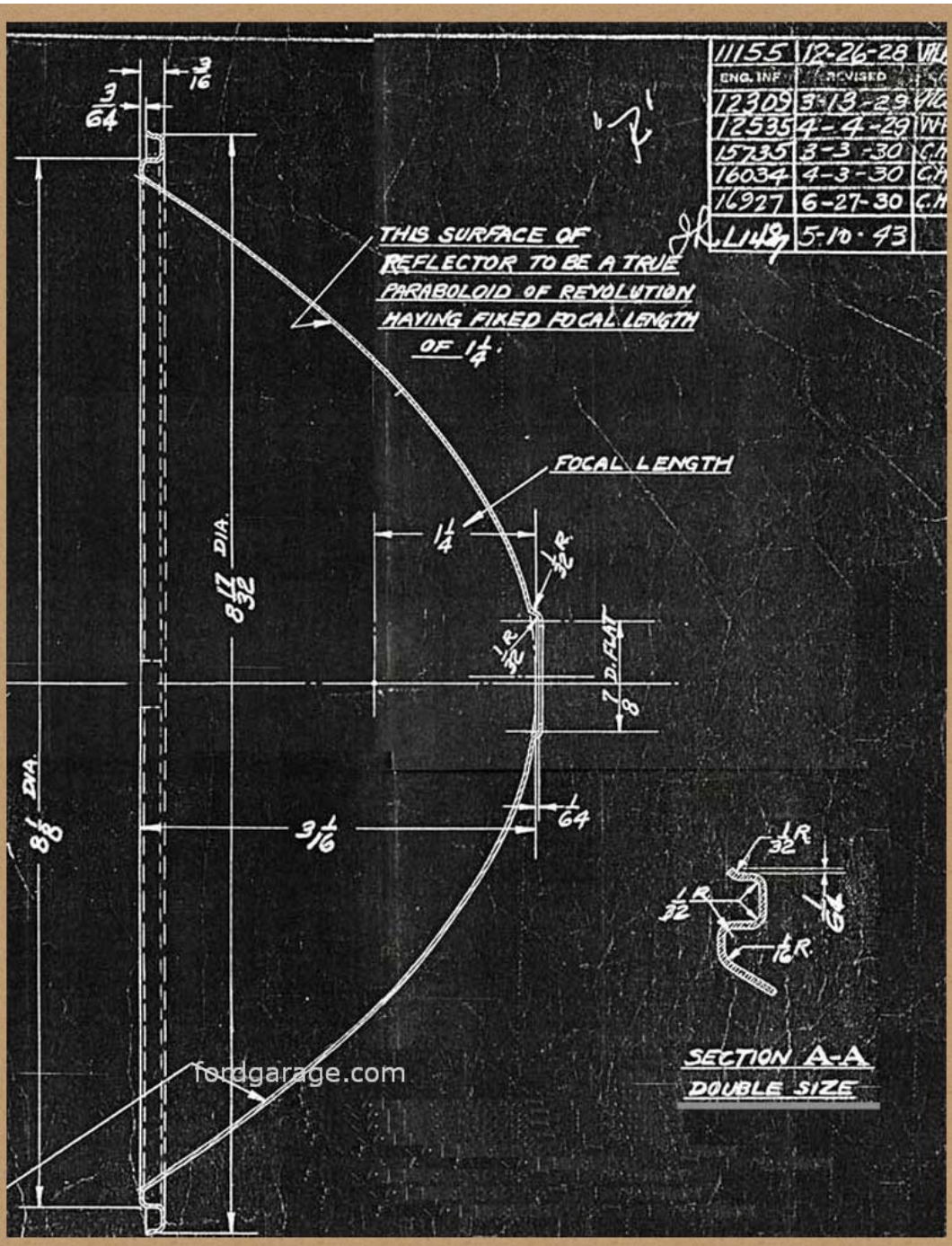
Model A
Headlamp Reflector Comparison



Pictured above is a comparison conducted by John Brady of an original headlamp reflector and a reproduction. This clearly shows the improper parabolic shape of the reproduction. The effect of this shape difference is that the bulb cannot be properly positioned at the correct focal point. Thanks to John for his permission to post this on Ford Garage!

Here is John's description of what he did:

> I used a digital camera set on a tripod to photograph each reflector placed exactly in the same position on the marked cardboard surface.
>
> Knowing that (by measurement) the reproduction reflector was "shorter" than the original, I used PhotoShop to delete the background from the picture of the reproduction. Then I superimposed the reproduction onto the original, being careful to align the rims.
>
> John Brady
> January 2007



Pictured above is a copy of the original Ford drawing for the 1929-31 headlamp reflector (single bulb).

The optical performance of the reflector cannot be optimized with the wrong parabolic shape or dimensions. Nor with the use of higher powered halogen bulbs. It will just result in low performance high glare headlamps. They may be bright with high power bulbs, but they cannot focus and put the light to the lens in the proper direction. The result is just light scatter and glare.