

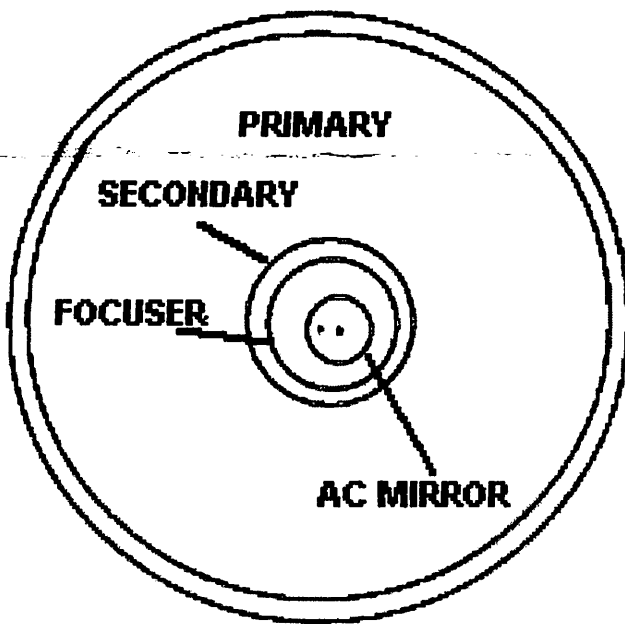
# EASYTESTER II<sup>®</sup>

## User Instructions

The **EASYTESTER II** is an eyepiece like device that allows the owner or user of any type of telescope to quickly determine the current condition of the collimation and assist in correcting it if necessary.

Anyone who has ever purchased or built a telescope has experienced that uncertain feeling of not knowing whether those un-textbook like images are the fault of the optics, faulty adjustments or just seeing conditions.

The **EASYTESTER II** is technically known as an *autocollimator*. It is "auto" in the sense that once perfect collimation is achieved, the reflected image goes dark and leaves no doubt. It consists of a small perforated mirror mounted in an eyepiece.



The drawing at the left represents the view when looking through the autocollimator. The outer circle is the aperture at the end of the scope. The dot in the center of the auto collimator mirror is the reflection of the perforation at the eye end. The spot to the left represents the dot on the center of the primary in a slightly out of collimation system.

Adjustments are made until the two spots line up or all of the reflected circles are concentric. When the precise point is reached, the AC mirror darkens and alignment is perfect.

If the primary does not have a central spot, it can be added with a marking pen and as it is blocked by the secondary, it has no effect on the image. The spot is not necessary for autocollimation but it greatly simplifies the rough alignment.