

Regarding a Dynoptic T binocular head: I am getting a fine image through one eyepiece but essentially nothing through the other. I believe I have traced the problem to the beam splitting prism assembly. When the light path intercepts the 45 degree "half-silvered" surface it acts as though 100% is reflected (as in B.), and 0% transmitted, rather than 50/50 (A.). Has anyone encountered a beam splitter "going bad" in this way?

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I think Graham's suggestion that this is the result of de-lamination, leading to T.I.R. at the "air gap" created between the two prisms, is most probably correct.

As a test, a laser pointer beam directed backwards through the beam splitter is not divided (as in C.) but instead totally reflected (as in D.). This would be expected if Graham's suggestion is correct.

