

10550B

**LASER REFLECTOR
WITH MOUNT AND STAND**

ACCESSORY FOR

5525B

LASER INTERFEROMETER SYSTEM

AND

5526A

LASER MEASUREMENT SYSTEM

INSTRUCTION MANUAL

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DESCRIPTION

Model 10550B Laser Reflector, Mount, and Stand are shown in Figures 1, 2, and 3. The 10550B includes one Model 10556A Retroreflector (Cube Corner) and an adjustable holder for the retroreflector.

10556A RETROREFLECTOR (CUBE CORNER)

The retroreflector is an optically ground and polished glass four faced prism (triangular faces). Three faces are mirror silvered. The prism is mounted, with the unsilvered face out, in a precision ground and lapped stainless magnetic steel mounting. A retroreflector (or cube corner) reflects a laser beam (and all light) back in a line parallel with the original beam, but displaced laterally by a distance determined by the displacement of the corner apex from the original beam line.

OPERATION

The retroreflector in the holder can be adjusted to reflect the laser beam back to an interferometer. Loosen the locking knob and slide the retroreflector up or down as necessary to reflect the beam.

The 10556A Retroreflector can be used out of the mounting by removing the four hex screws holding the retroreflector and mount together.

NOTE

Keep the plastic cap on the 10556A Retroreflector unless it is to be installed in a 10559A Reflector Mount.

5526A LASER MEASUREMENT SYSTEM AND ITS PUBLICATIONS

The 5526A Laser Measurement System is described in the 5526A Service Manual. A listing of all publications about the Laser Measurement System is available from:

Hewlett-Packard
5301 Stevens Creek Boulevard
Santa Clara, California 95050
United States of America

Attention: Laser Publications

Figure 1. 10550B Laser Reflector, Mount and Stand

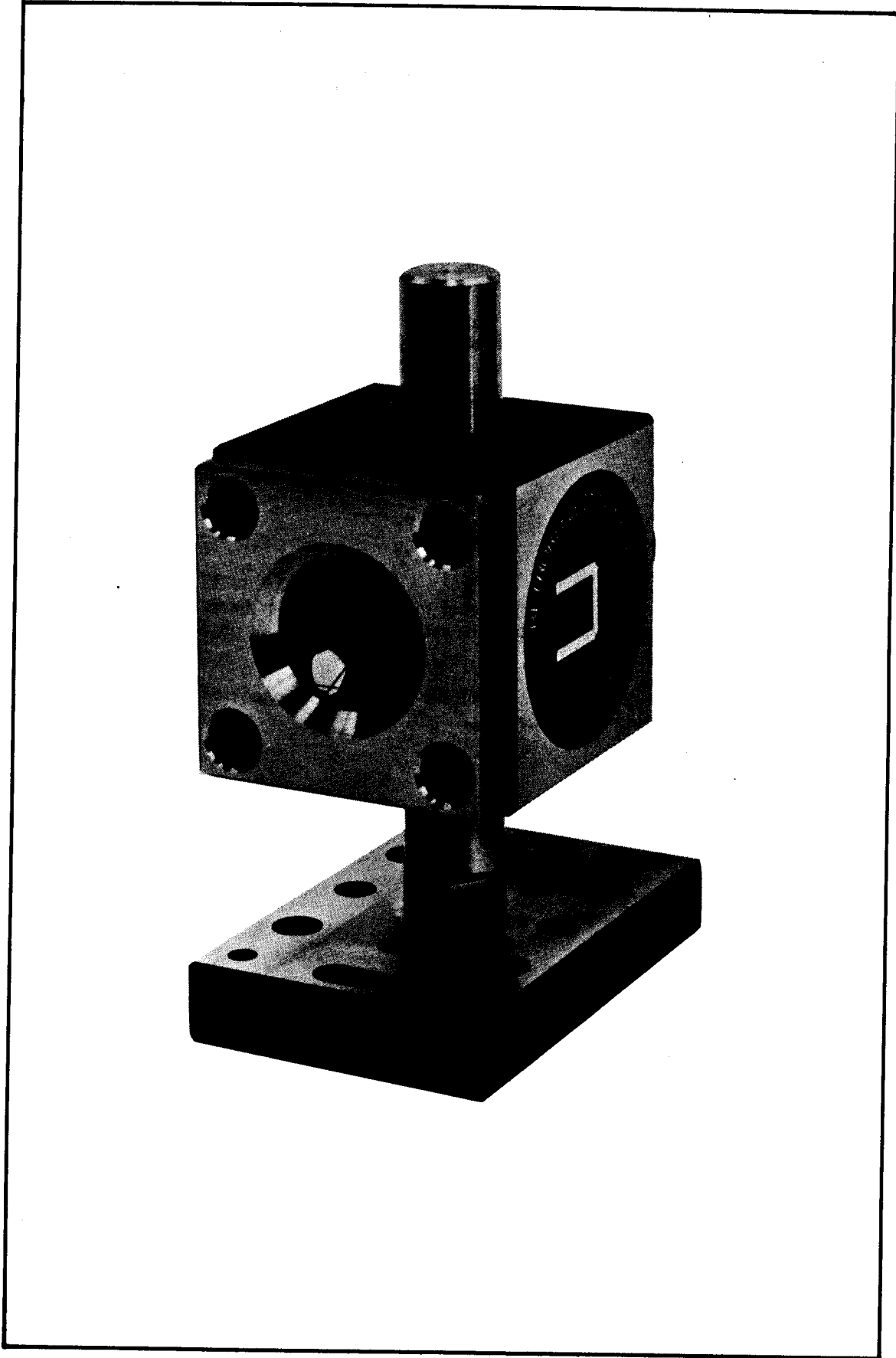


Figure 2. Dimensions of 10550B Laser Reflector, Mount, Base and Stand

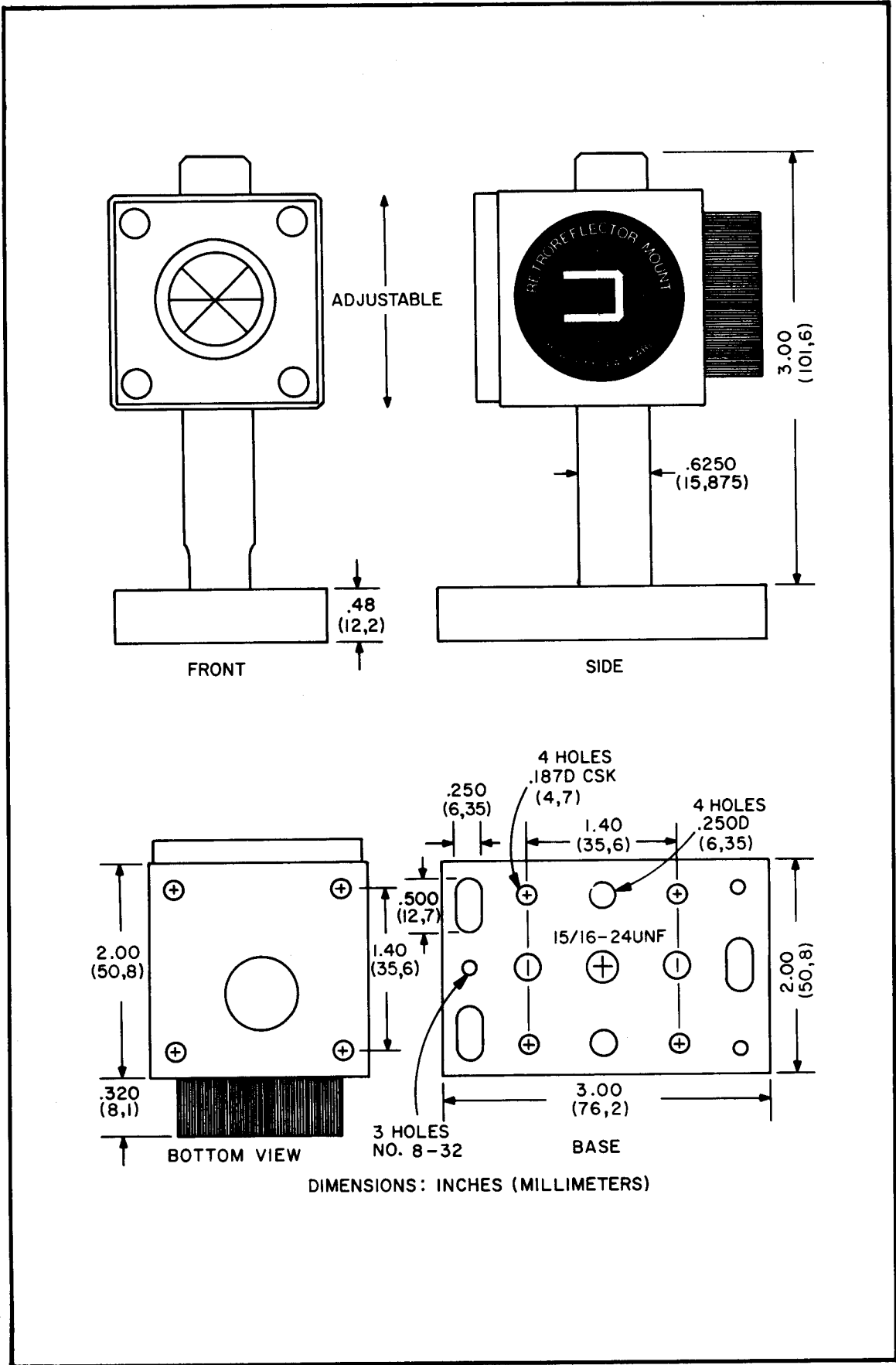
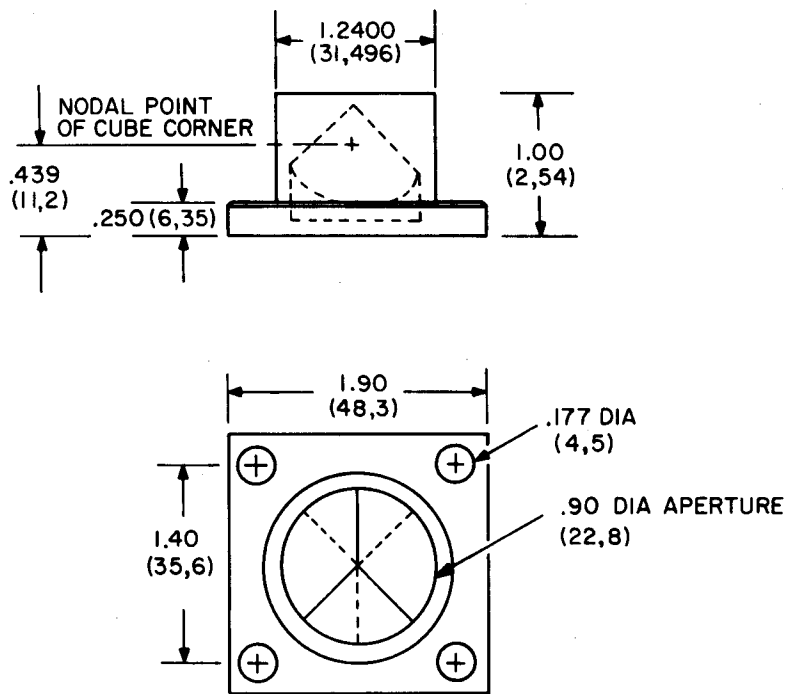
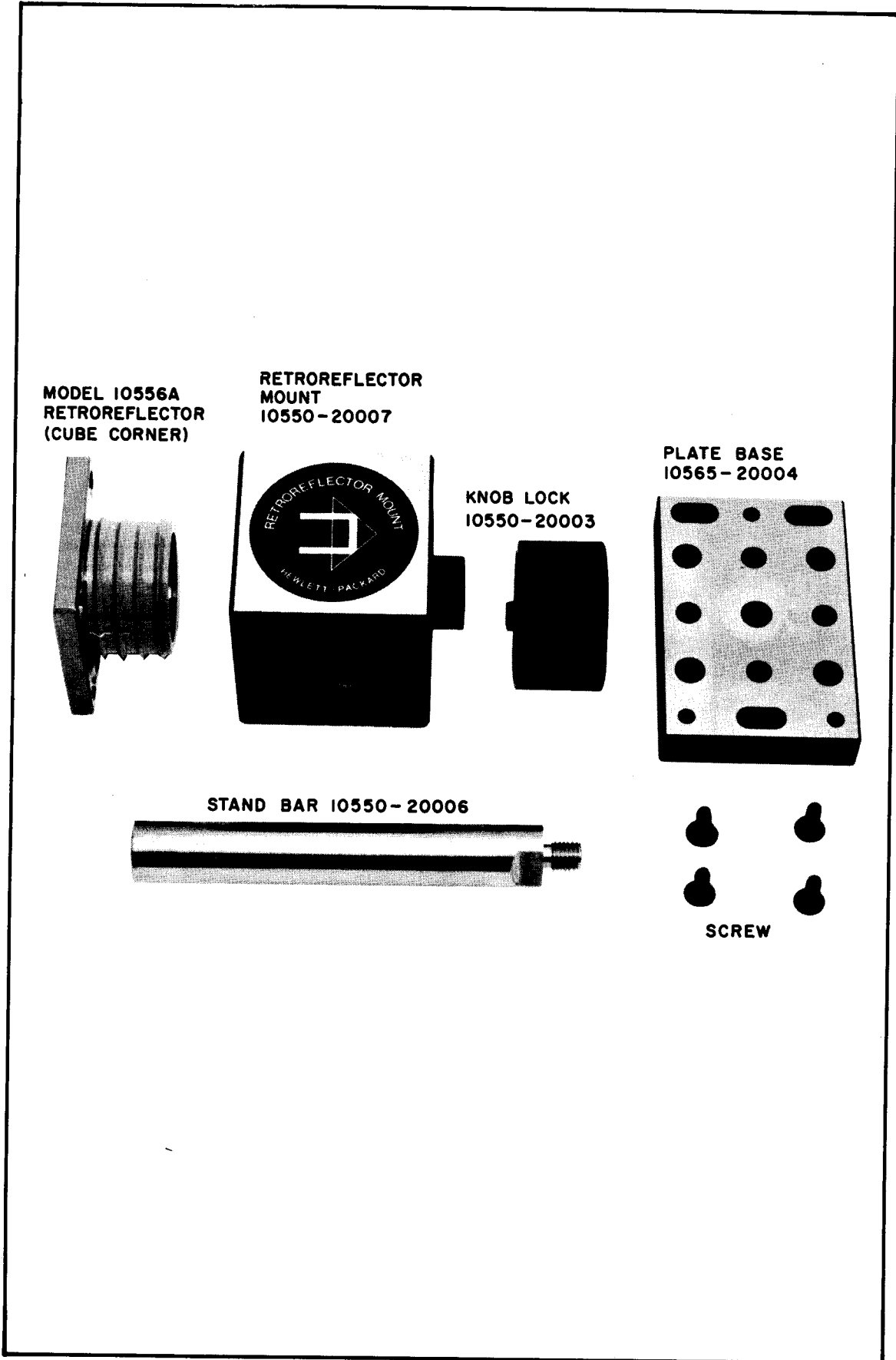


Figure 3. Dimensions of 10556A Retroreflector (Cube Corner)



DIMENSIONS : INCHES (MILLIMETERS)

Figure 4. Parts Identification of 10550B Laser Reflector, Mount, Base and Stand



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