



Glas-Col®

711 HULMAN STREET
PO BOX 2128
TERRE HAUTE INDIANA 47802-0128 USA
TEL: 812-235-6167 FAX: 812-234-6975
INTERNET: www.glascol.com
E-MAIL: pinnacle@glascol.com

ASSEMBLY & USE OF GLOW-BOX™ MODEL GB 11-8-GM

A special adaptation of the I²R GLOW-BOX Model GB 11-8 has been used for more than a decade in the coating industry for the evaluation of smoothness of a painted surface. The technique, called Distinctness of Image (D.O.I.) Test, is described in the attached sheet. Since the test is assuming increasing importance in the coating industry, I²R has redesigned the GLOW-BOX equipment used in this procedure to make it easier to use. The product is known as GLOW-BOX GB-11-8 GM.

In the original model, legs were rigidly attached to a GLOW-BOX to support the illuminated surface at the specified 10cm distance from the painted surface. The Distinctness of Image Test Film (D.O.I.) was held against the lighted acrylic surface of the box by a glass plate.

In the redesigned model of this test equipment, the GLOW-BOX is held in place over the coated surface by placing it (inverted position) on a special frame that supports the D.O.I. film at the 10cm distance.

To Set-up For Use:

Remove the seven screws which hold the retaining band in place, and lift the band off.

Next lay the D.O.I. film (which has been removed from its transparent envelope) onto the white translucent cover plate of the GLOW-BOX, and put the glass plate on top.

Replace the retaining band, pressing it firmly against the glass as the screws are tightened into their slots.

The only other assembly required to prepare the equipment for use is to screw the legs into place on the bottom of the frame. Next plug the light box cord into a 115V AC wall outlet, push the switch (through the hole in the red acrylic cover) to turn on the light, and place the box in inverted position on the aluminum frame. Follow the directions in the D.O.I. application sheet for the paint evaluation procedure.