

Chrondek Electronics, Inc.  
2125 D Street  
La Verne, California  
Lycoming 3-7119

I-CK-B  
5/2/61

This kit should be  
replaced after \_\_\_\_\_

INSTRUCTIONS  
FOR USE OF CHRONDEK TYPE CK-B CHEMICAL  
TESTING KIT FOR AUTOMOTIVE FUELS

**USE:** The Chrondek CK-B Testing Kit is designed to detect PROPYLENE OXIDE, BUTYLENE OXIDE, OR SIMILAR EPOXY ADDITIVES to automotive fuels even where SPECIFIC GRAVITY IS NOT CHANGED, when used in accordance with these instructions. For alcohol and other fuels, use Chrondek Specific Gravity Test Kit N-2, or kit CK-A for nitrate additives.

**KIT PARTS:** The CK-B Testing Kit consists of one bottle each of Test Solutions D, E, and F, six test tubes, test tube brush, six stoppers, three eyedroppers and a test rack.

**CAUTION:** The dilute acid and caustic solutions contained herein can be injurious to skin, clothing and eyes. All solutions are poisonous. Follow label instructions accordingly.

**TO USE:** Remove each of the bottle caps (used for shipping only) and insert eyedropper caps. Discard bottle caps. Keep each eyedropper in its respective bottle. Do not interchange droppers or solutions will become contaminated. Seal bottles when not in use.

**Step 1.** Place 10 drops of SOLUTION D in a clean test tube.

**Step 2.** Add 3 drops of SOLUTION E to the test tube. Cork test tube with rubber stopper and shake to mix solutions. The mixed solution will be clear.

**Step 3.** Add half a test tube of fuel to be tested to the D and E solution mixture. Replace cork and shake vigorously.

**Step 4.** Now add 10 drops of SOLUTION F, replace cork and shake again. If solution turns PINK or RED this is a sign of the presence of PROPYLENE OXIDE, BUTYLENE OXIDE, OR SIMILAR EPOXY ADDITIVES not normally found in standard pump gasolines. Color density may vary from light pink to red, depending upon the concentration. If in doubt, make the test on the brand of gasoline the contestant is reportedly using.

CLEANLINESS IS OF UTMOST IMPORTANCE FOR ACCURATE TEST RESULTS. This test is so sensitive to Propylene Oxide, Butylene Oxide, or similar Epoxy additives that concentrations of 1 to 2 percent will give a positive test. Wash test tubes and stoppers after each use with water until all residue is gone, then tip tubes up to drain. Water droplets remaining on the washed test tubes will not affect the accuracy of the tests. Clean with soap and water after each meet. Use test tube brush with both cleaning methods. Be sure fuel samples are taken in clean containers.

Keep bottles out of direct sunlight as solutions will age prematurely. NOTE THAT SOLUTIONS ARE DATED. DO NOT USE AFTER EXPIRATION DATE. Order complete replacement kit to eliminate residue effects (\$19.75 express paid). STORE THIS KIT AT A TEMPERATURE ABOVE 70° F.

Chrondek Electronics Inc. assumes no liability for the use of this kit beyond replacement of parts returned post paid to the factory and determined by Chrondek Electronics Inc. to be defective.