



SUBJECT BULB CLEANING - Cathode-Ray Tubes
 Process Specifications

SUPERSEDED DATE 6/20/49

1. MATERIALS

Initially used for C73019B.

- A67 Chromic Acid (Tech.)
- A55 Acetone
- A609 Ammonium Bifluoride
- S31 Sodium Hydroxide
- A22 Nitric Acid
- S109 Sand
- W7E Distilled Water
- Tap Water



DANGER

- ** AMMONIUM BIFLUORIDE HANDLING PRECAUTIONS: See S.N. 33-2-7C.
- ** SODIUM HYDROXIDE HANDLING PRECAUTIONS: See S.N. 33-2-8A.
- ** CHROMIC ACID HANDLING PRECAUTIONS: See S.N. 33-2-7B.
- ** NITRIC ACID HANDLING PRECAUTIONS: See S.N. 33-2-7C.

2. PROCEDURE

- a. New Bulb Cleaning
 - (1) Sand swirl 3 or 4 times.
 - (2) Rinse 4 times with warm tap water.
 - (3) Heat the bulb by running hot tap water on the outside.
 - (4) Pour in chromic acid and allow bulb to set 2 or 3 minutes.
 - (5) Rinse 4 or 5 times with warm tap water.
 - (6) Rinse 3 times with distilled water.
 - (7) Rinse with acetone.
 - (8) Dry with air flow.
- b. Salvaged Bulb Cleaning
 - (1) Wash bulb with a 10-20% solution of ammonium bifluoride for 1 minute to remove screen.
 - (2) Rinse with tap water to remove all ammonium bifluoride.
 - (3) Rinse with 20% cold sodium hydroxide to remove aluminum.
 - (4) Rinse with tap water to remove all sodium hydroxide.
 - (5) Rinse with ammonium bifluoride to remove balance of black conductive coating.
 - (6) Rinse with tap water.
 - (7) Remove silver paste with 75% cold nitric acid.
 - (8) Rinse with tap water to remove nitric acid.
 - (9) Follow schedule for new bulbs (above).

ENGINEERING SECTION
 STANDARDIZING

7-498-15-60 PCL11564-118rds