

## WHEELS AND BRAKES - CLEANING/PAINTING

### 1. General

A. This section provides information on cleaning, preparing and painting the wheels.

### 2. Tools, Equipment and Materials

A. Refer to for a list of required tools, equipment and materials.

### 3. Wheel Preparation and Painting

**NOTE:** The nose wheel is made of magnesium, main wheels of aluminum and are painted with Vestal White baking enamel. Do not paint bearings or working surfaces.

A. Preparing Wheels For Painting.

(1) Strip original finish of part following recommendations of stripper manufacturer.

(2) Degrease and remove heavy soil by solvent wipe with clean cloth saturated in Methyl n-Propyl Ketone or equivalent.

**NOTE:** Cloth shall be folded each time the surface is wiped to present a clean area and avoid redepositing of grease.

B. Applying Chemical Film to Unpainted Areas.

(1) Refer to Main Landing Gear - Cleaning and Painting for generic instructions applicable to application of chemical film treatment to aluminum and magnesium wheel components.

C. Priming Wheel Components.

(1) Refer to Main Landing Gear - Cleaning and Painting for generic instructions applicable to priming of aluminum and magnesium wheel components.

D. Application of Baking Enamel.

(1) Thin enamel to spray viscosity, refer to the manufacturer's instructions.

(2) Spray one coat and air-dry for 10 minutes.

(3) Apply a second coat and allow to flash off.

(4) Bake for 5 to 10 minutes at 280°F to 300°F.

(5) Dry film thickness should be 0.0015 to 0.0025 inch.