



# LANDING GEAR

## RUST PREVENTIVE COATING BULLETIN



### New Enhanced Rust Preventive Coating Process for Landing Gear Parts

November 1, 2003

**⚠ WARNING** Remove any paint or protective coatings from the weld areas prior to welding on any painted or coated parts. Failure to remove paint or coating prior to welding can compromise the integrity of the weld, possibly degrading its strength and/or causing premature corrosion in the weld area. Follow the Paint/Coating Removal Procedure below for proper removal.

**NOTE:** Welding on the paint or protective coating can cause the emission of strong unpleasant smelling fumes. These fumes have been tested for levels of Chlorine, Total Particulate and Carbon Monoxide using ambient monitoring protocols established by the National Institute of Occupational safety and health (NIOSHA). The levels of Chlorine, Total Particulate and Carbon Monoxide monitored fell below the Permissible Exposure Limits enforced by OSHA.

#### **PAINT/COATING REMOVAL PROCEDURE:**

**IMPORTANT:** Operators SHOULD, as a minimum, follow the safety procedures and use the proper protective equipment as recommended by OSHA when preparing to grind on any parts.

1. Use a 4.5" angle grinder that operates at 8,000 to 12,000 RPM.
2. Use a 36-grit sanding disc or a 50-grit 3-M Bristle disc being careful not to gouge the parent steel, which could cause structural degradation of the Holland product.
3. The coating should be removed 1 inch (25mm) all around the area to be welded.

#### **RECOMMENDED WELDING PROCEDURES:**

**IMPORTANT:** Welding fumes SHOULD be drawn away from the weld operator during the welding process (compliance to OSHA ventilation standards is mandatory) and, as a minimum, follow the safety procedures and use the proper protective equipment recommended by OSHA when preparing to weld on any parts.

1. Weld components according to the OEM's recommendations.
2. Clean the weld area after welding. Using a wire brush, remove any burned or heat-affected coating in the weld area.
3. Using a clean rag, wipe the weld area clean.
4. Using the black coating purchased through Holland, apply a uniform coat to the weld and adjacent area, covering all exposed metal.
5. Allow coating to air dry.



**GO THE DISTANCE.**

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