

FRAMES AND CHASSIS

Purpose

The purpose of this document is to illustrate the proper way to touch-up paint on a chassis. Figure 1 shows a section of the frame before this procedure. Figure 2 shows that same section of the frame after this procedure.

Fig. 1



Fig. 2



Preparation

1. Power wash frame at a minimum of 2300 PSI to remove dirt and debris.

NOTE: Hand-wash frame if power washer is not available. Use stiff bristle brushes, rags and sponges as necessary to remove dirt and debris.

2. Let frame dry completely.

NOTE: Remove underbelly after drying, if applicable.

3. Use a hand wire brush to take down any heavy rust or scaling.
4. Use a rope wheel or knotted wheel around webbing.
5. Use a flat knot wheel around jointed areas near outriggers or anything welded to the I-beam or tubing.

NOTE: LCI recommends 8500 rpm maximum operating speed if using an electric grinder.

NOTE: LCI recommends 7K-12K rpm maximum operating speed if using a pneumatic grinder.

6. Use wire wheels to strip rust, scale, dirt and debris from other surfaces. Optionally, 27-grit stripper disks may be used.
7. After grinding, use compressed air to blow loose debris from around the area.
 - A. Use an air nozzle that is equipped with chip guards or provide an air curtain around the nozzle to reduce fly back.
 - B. Nozzle shall be regulated to 30 psi maximum.
8. Make sure to lay a drop cloth or similar protective material under surfaces of work area to prevent dripping or spills.
9. Wipe down affected surfaces with brake cleaner or lacquer thinner.
10. Use cardboard or heavy paper to prevent overspray.
11. Make sure to use primer before all paint applications. Apply primer after cleaned areas have completely dried.

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WARNING

Compressed air can cause particles and debris to fly back into the face, eyes, ears, nose and mouth, causing skin irritation and/or damage to sensitive tissue and airways. Use proper personal protective equipment (PPE), such as safety goggles, gloves and full face shield at a minimum, when cleaning with compressed air. Make sure other personnel in the work area are similarly and adequately protected.

Instructions

Frame Painting

1. Chassis Application: Paint frame using rust inhibitor spray paint or brushed on paint. Spray and brush applications will have uniquely different appearances.

CAUTION

Overspray or dripping of paints and solvents onto an unprotected floor can create a slip hazard. Slipping on wet surfaces can cause personal injury. Use a drop cloth or other, similar protective material on the work area to prevent slipping.

2. Bumper Application: Paint bumper using rust inhibitor spray paint only.
3. Let unit set until all painted areas are completely dry.



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