

# **Section 5**

## **Disassemble, Paint, and Reassemble**

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**Procedures covered in this section:**

Disassemble, prep, and paint all assemblies completed up to this point, including airframe, landing gear, engine mount, support ring, fuel system mount tube, and ground handling wheels. Reassemble after painting.

**Cards used in this section:**

None

**Prints used in this section:**

E10-2000

E13-2000

**Templates used in this section:**

None

**Tools required for this section:**

Drift punch	Sandblasting equipment
Mallet	Sandpaper
Painting equipment	Scotchbrite

Ratchet with sockets of the following sizes: 7/16", 1/2", 9/16"

Wrenches of the following sizes: 7/16", 1/2", 9/16"

**Notes:**

1. **PAINTING:** At this time the metal components can be bead blasted and painted with a two part epoxy paint. We recommend the use of a lighter colored paint such as light gray. This eases visual inspection of welds in the unlikely event of a crack. If you are not set up with the correct equipment or a spray booth, you may find it best to have an auto body shop do the work for you. Before painting, clean with acetone. No primer is necessary; the epoxy paint normally sticks better directly to the metal.
2. **PLATING:** Do not have the landing gear or engine mount assembly chrome plated, as these can be significantly weakened by hydrogen embrittlement caused by the chrome plating process.
3. **END CAPS:** After painting, install the plastic end caps in the landing gear steps and ground handling wheel handles.

