Subject: Re: [c-a] nose draggers

Date: Mon, 27 Dec 1999 20:32:22 -0500

From: "Marc P B" <boommarc@earthlink.net>

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[The Canard Aviators's Mailing list]

Regarding scratches on the canopy.

Lemon fresh Pledge works wonders for filling/covering scratches. The polish formulation matches the index of refraction of the plexiglas and, therefore, makes the scratches disappear. I was concerned about the possibility of the oils contributing to stress-corrosion cracking of the plastic, but I have been assured by plexiglas experts that the composition of Pledge is not corrosive to plexiglas.

When drilling plexiglas, on the other hand, it is important to remove all the oils from your drill bit with alcohol and to use only water as a coolant. Heat from drilling will produce a tensile layer on the surface of the drilled hole and the presence of oils from the drill will enhance (stress-corrode) cracking of the surface. Cracks from drilled holes can propagate and wreck your day. It is particularly important that you observe the no oil rule when drilling a crack stopping hole at the end of a propagating crack, otherwise you just encourage it to run further.

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