

SUBJECT: Polishing of Wing Tip Nav Light Lenses
Aircraft: Eclipse 500 and Eclipse 550
Effectivity: All Aircraft
Applicability: All aircraft.

1. SUMMARY

This SIL provides guidance regarding polishing of the wing tip nav light lenses.

2. BACKGROUND

Eclipse Aerospace, Inc. (EAI) received enquiries regarding polishing of the wing tip nav light lenses. EAI consulted with the manufacturer of the wing tip nav light lenses regarding polishing. The manufacturer's response is that polishing of the lens is not recommended and will potentially compromise and remove the coating on the lens.

The lenses are made from polycarbonate plastic which is light weight and has excellent impact strength but does not have great abrasion resistance. Applying a hard coat to the lens helps prolong the life of the lens against scratching and dust abrasion. The lens will still exhibit degradation from rain erosion over time which can cause the lens to become cloudy; however, polishing of the lens will remove the coating and additional polishing can damage and/or deform the polycarbonate due to heat from the buffing process. The recommendation for these coated lenses is to put an erosion boot on the leading surface of the lens that will add additional protection from erosion but can be removed and replaced when needed.

3. ECLIPSE ACTION

EAI is issuing this SIL to advise all aircraft operators of this recommendation.

4. SUGGESTED OPERATOR ACTION

EAI recommends installing the Wing Tip Tank Boot part number ATR-004. These boots are available for installation at all EAI approved service centers.

5. EXPORT CONTROL

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