

De-icing and Anti-icing Systems

type certificates for inadvertent icing encounters, up to full-known icing certifications. Mooney aircraft were the first single-engine aircraft to receive known-ice certification.

The leading edges of the wings, horizontal stabilizers, and vertical stabilizer are outfitted with laser titanium panels in which there are laser-drilled holes. The prop is fitted with a slinger ring, and a spray bar is attached to the windshield, as illustrated in Figure 13-5. All emit a glycol-based fluid that is metered from a tank, through micro-filters to proportioning units, by an electric pump. For systems that are not certified for

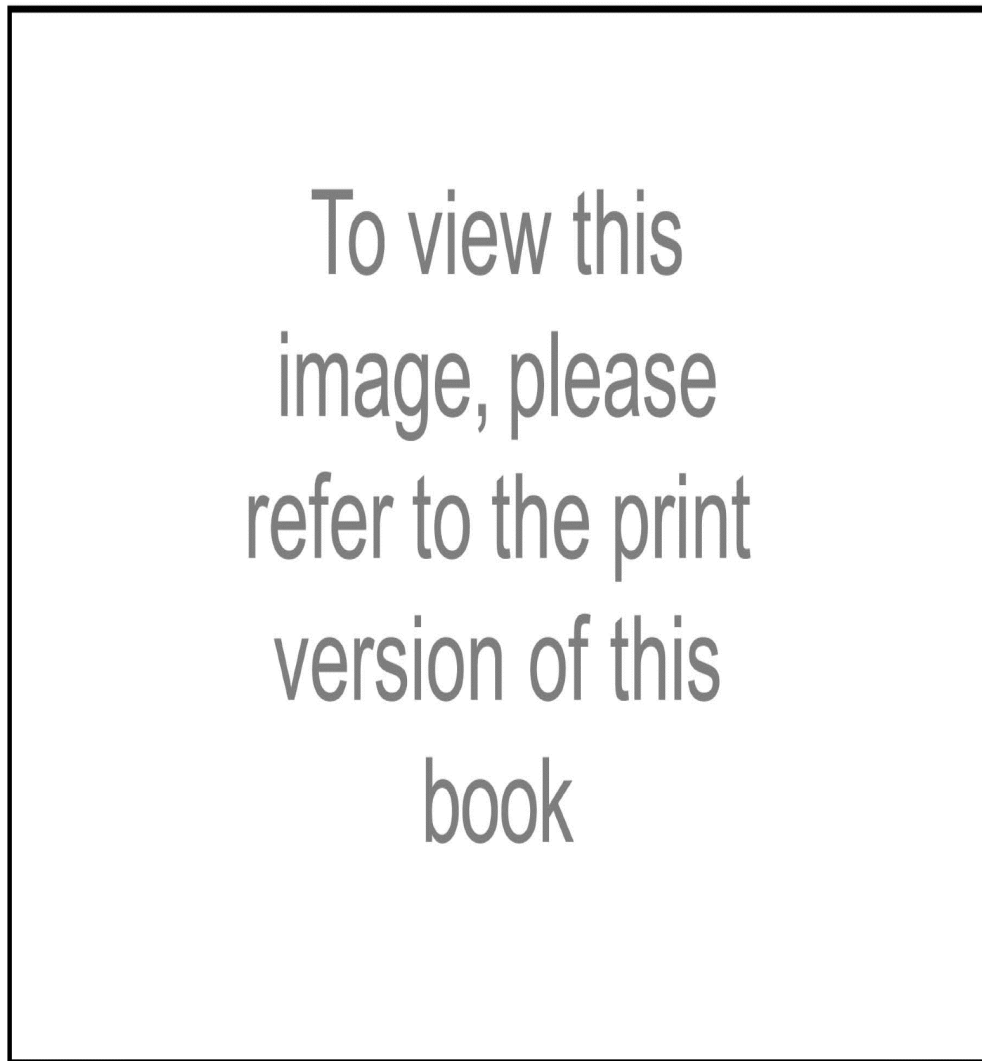


Fig. 13-5. *Flight into known icing certified TKS Ice Protection System for Mooney M20K, M20M, and M20R by Aerospace Systems and Technologies, Inc.*