



SERVICE No. 361 BULLETIN

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"FAA DOA EA-1 Approved"

August 17, 1972

Subject: Inspection of Elevator Hinge Bracket Reinforcement

Models Affected: PA-31 Navajo

Serial Numbers Affected: 31-700 to 31-708 incl., 31-710 to 31-715 incl., 31-717, 31-718, 31-722 to 31-725 incl., 31-727 to 31-738 incl., 31-740 to 31-744 incl., 31-746 to 31-749 incl., 31-751, 31-756 and 31-758.

Compliance Time: Within the next 100 hours of operation.

Purpose: A recent report received from the field described damage to the outboard hinge bracket reinforcement area of an elevator assembly on one of the above referenced aircraft. The damage amounted to a tool mark along the edge surface of the hinge bracket reinforcement.

Therefore, it will be necessary to inspect the elevators on the above referenced aircraft in the areas described above to insure that there are no tool marks in the elevator outboard hinge bracket area and to replace elevators should the inspection reveal tool mark damage -- see attached sketch for a general illustration.

Instructions:

1. Place elevators in "full down" position.
2. Stand directly aft of elevator and position mirror as shown for proper view of outboard hinge bracket reinforcement area.
3. Check for tool marks; a pictorial representation of a tool mark is contained on the attached sketch.
4. If no tool marks are observed, no further action is required. Make appropriate log book entry and return aircraft to service.
5. Should tool marks be observed as denoted on the attached sketch, replace affected elevator assembly (see Material Required, below). Make appropriate log book entry.

Material Required: One (1) each (per aircraft) Elevator Assembly, Piper Part No. 43757-18 (left hand) and/or Piper Part No. 43757-17 (right hand), as required per Instructions, above.

(over)

Availability of Parts:

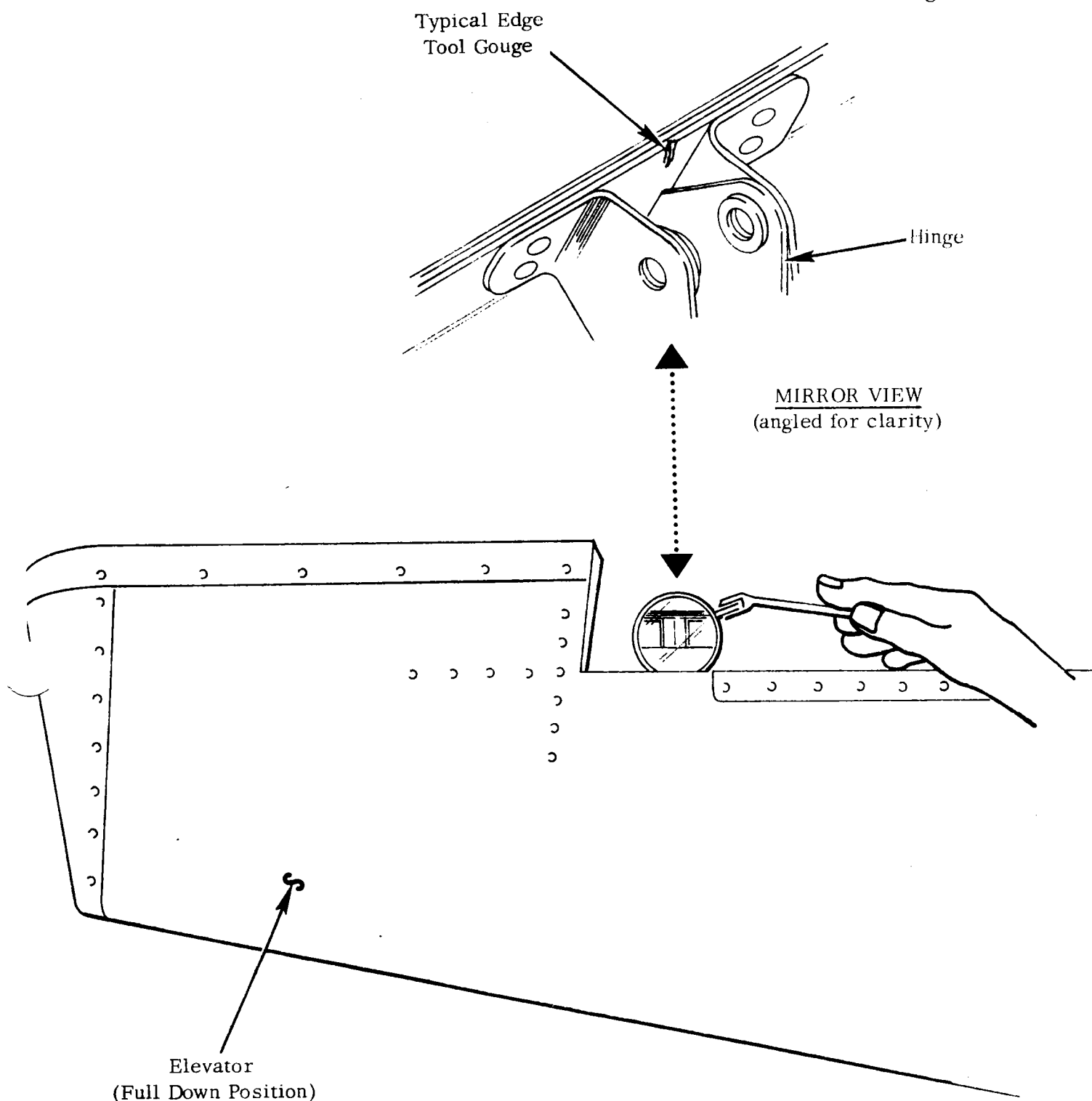
Your Piper Dealer.

Effectivity Date:

This Service Bulletin is effective August 28, 1972.

Summary:

Material for this modification is available free of charge through your Piper Dealer providing the compliance time provisions of this Service Bulletin are met and Piper Distributor and Dealer material and labor application procedures are adhered to. Two and one half hours (per Elevator Assembly) labor allowance is also provided, if elevator replacement is required.



INSTRUCTIONS

Stand directly aft of elevator and position mirror as shown for proper view of hinge area.

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