

ROYAL CANADIAN AIR FORCE**PILOT SEAT BRACKET REPAIR****EXPEDITOR 3****PURPOSE**

1 To outline a local repair of the forward right hand leg-to-seat attaching bracket Part 734-183297-9, thereby avoiding the necessity of installing a new seat whenever a bracket fails. Refer to Figure 1 for typical failure.

REPAIR SCHEME

2 To effect repairs proceed as follows:

(a) Using an existing bracket for pattern locally manufacture brackets from mild steel sheet .064" thickness, Spec MIL-S-7952-SAE1020, RCAF Ref. 30B/1561.

(b) Manufacture a reinforcement plate from 24ST aluminum alloy sheet, .064" thickness, Spec QQ-A-362, RCAF Ref. 30B/224; dimensions 1 1/2 x 2 1/4" and shaped to fit interior of bracket seat. Refer to Figure 2.

(c) Using a #30 drill and the original rivet holes as a guide, drill the brackets and the reinforcing plate and rivet into position using AN456-AD4-8 rivets.

(d) When replacing bolt attaching leg to bracket ensure bolt is not over-torqued. Binding of the bracket in the forked end of the leg during seat adjustment may contribute to premature failure.

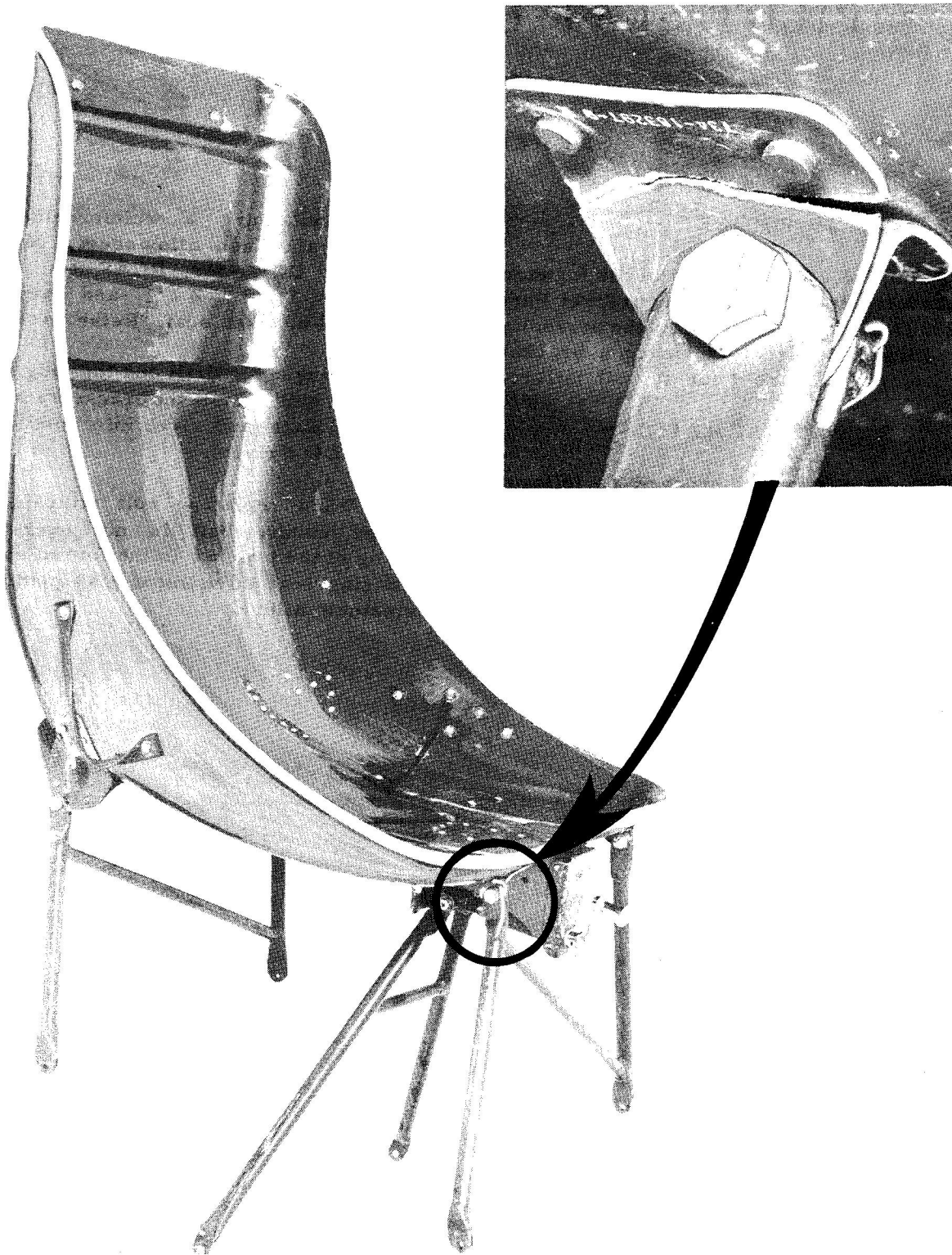


Figure 1

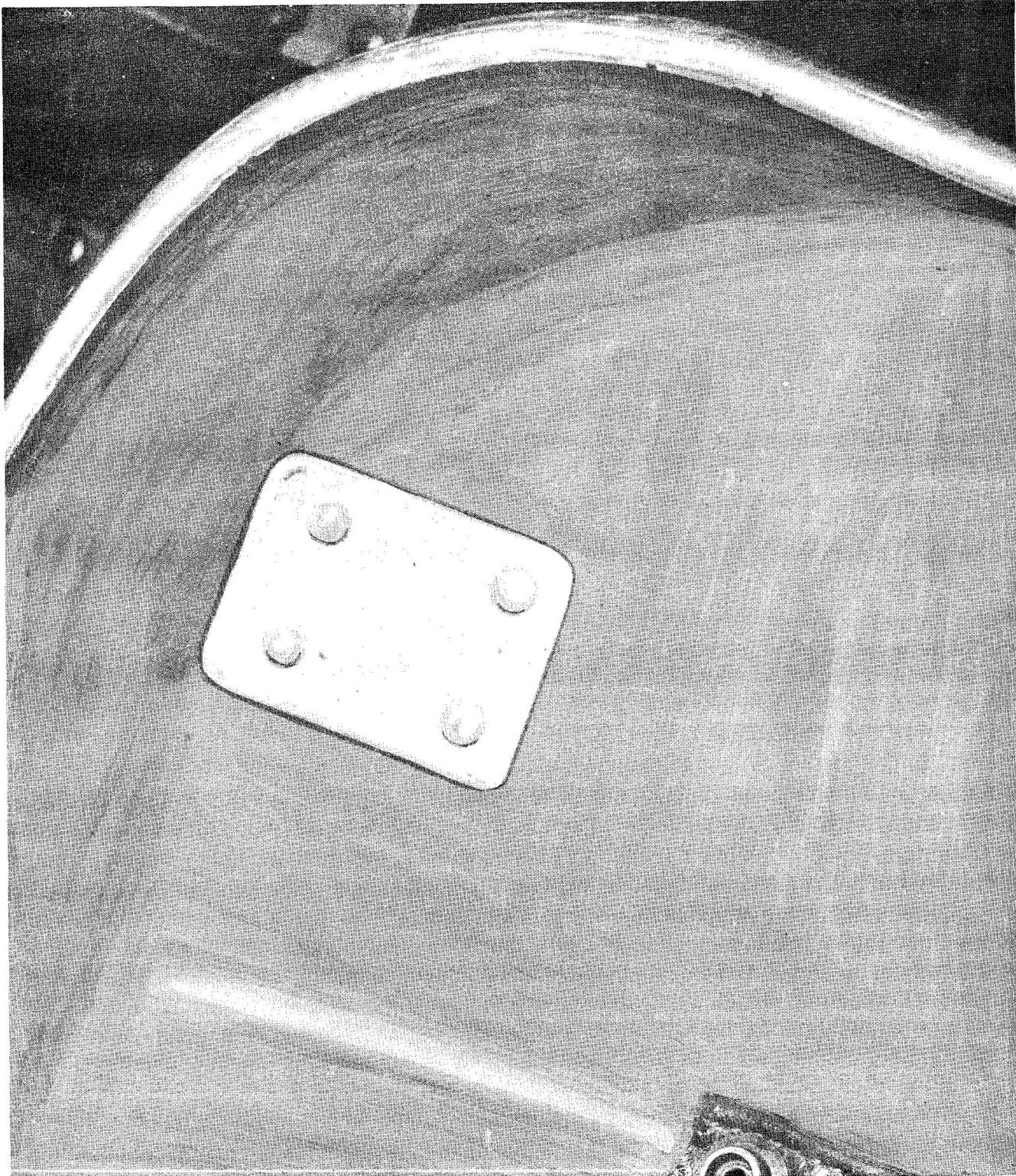


Figure 2

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

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