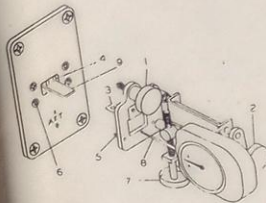


LIFT TRANSDUCER FORCE  
 APPLICATOR P/N 990  
 Safe Flight Instrument Corp.  
 White Plains, N.Y., U.S.A.



INSTRUCTIONS

DESCRIPTION - P/N 990 Force Applicator applies measured force (TIP GRAMS) to the Lift Transducer vane, simulating aerodynamic pressure in flight, for ground check and calibration of the lift instrumentation system. The unit consists of a POSITIONER and gram GAGE. Refer to instruction book for gram GAGE ranges available.

TO USE APPLICATOR

1. Select gram GAGE with proper range.
- NOTE: USE LOWEST RANGE POSSIBLE.
2. Insert GAGE shaft and alignment pin into POSITIONER sockets. Snap in place.
3. Turn screws (1) and (2) full CCW.
4. Orient POSITIONER with screw (1) toward wing leading edge.
5. Insert POSITIONER anchor tab (3) into opening forward of vane (7).
6. Hook anchor tab (3) into forward vane stop pins (4).
7. Keeping anchor tab (3) engaged, shift POSITIONER until cone points (5) enter recesses in screw heads (6).
8. Turn screw (1) CW until hook-clutch slips.

9. Turn screws (2) and (7) as required to bring GAGE pressure arm (8) to bear on surface of vane (9) within 1/32" of tip.
10. Apply pressure to AFT surface of vane (9) for negative (-) TIP GRAMS and to FWD surface for positive (+) TIP GRAMS.
11. Turn screw (7) to adjust pressure (TIP GRAMS) as required.

TO CHANGE GRAM GAGE

1. Leave POSITIONER attached to wing.
2. Turn screw (7) to relieve force on vane (9).
3. Turn screw (2) full CCW to retract GAGE.
4. Lift GAGE from socket.
5. Insert replacement GAGE.

TO REMOVE APPLICATOR

1. Turn screw (7) to relieve force on vane (9).
2. Turn screw (2) full CCW to retract GAGE.
3. Turn screw (1) full CCW; unhook tab (3).

CAUTION: WHEN ADJUSTING SCREWS (2) AND (7), MAKE SURE PRESSURE ARM (8) IS POSITIONED TO AVOID JAMMING AGAINST VANE (9) TIP END.

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