

ACCESSORY



AK172-211E
DECEMBER 6, 1983



Title INDICATOR, ECONOMY MIXTURE INSTALLATION. (EGT)

MODELS AFFECTED

172
F172
172Q

PARTS LIST:

SERIALS AFFECTED

17271035 & on
F17201750 & on
17275869 & ON

QUANTITY	PART NUMBER	NOMENCLATURE
4	AN515B6R10	Screw
4	AN936A6B	Washer
1	C668501-0204	Probe
1	C668501-0206	Lead
1	C668501-0211	Indicator (EGT)
4	MS35649-265	Nut
5	S2209-3	Tie
1		Installation Instructions

CHANGE IN WEIGHT AND BALANCE:

WEIGHT INCREASE	0.6 pounds	(NET CHANGE)
ARM	7.8 inches	
RESULTANT MOMENT	4.7 pound-inches	
INDEX	0.005	

1. DESCRIPTION OF INSTALLATION.

a. INSTALLATION OF THIS KIT CONSISTS OF:

- (1) Installing an indicator in the instrument panel.
- (2) Installing a sensing probe in the tailpipe.
- (3) Connecting the indicator and probe with a thermocouple lead.

2. INSTALLATION INSTRUCTIONS.

a. (Refer to figure 1.) Installation of sensing probe.

- (1) Remove cowling from aircraft.
- (2) Locate and drill hole (4) on aft side of tailpipe as shown, using .120 (#31) drill, ream to size using .128 reamer. A press fit of probe shoulder in hole is necessary.
- (3) Install probe (4) in hole and tighten clamp. Torque clamp screw to 30-35 in-lbs. Secure clamp screw with safety wire as required.

b. (Refer to figure 2.) Installation of Indicator.

- (1) Remove decorative cover (4) from instrument panel.
- (2) Locate and cut 2.25" diameter hole in decorative panel cover as shown.
- (3) Install indicator (2) in panel (3) with screws, nuts, and washers (1).
- (4) Reinstall decorative panel cover (4).

c. (Refer to figure 1.) Thermocouple Lead Installation.

- (1) Route thermocouple lead (2) as shown and clamp with ties (1) as required. Route through firewall with existing wire bundle.

NOTE

Do not cut or alter thermocouple lead.

- (2) Connect thermocouple lead to existing terminals on indicator (2, figure 2.)
- (3) Coil or fold excess length of lead inside cabin area and tie in convenient out of way location.
- (4) Start engine and check indicator for proper operation.
- (5) Reinstall engine cowling.

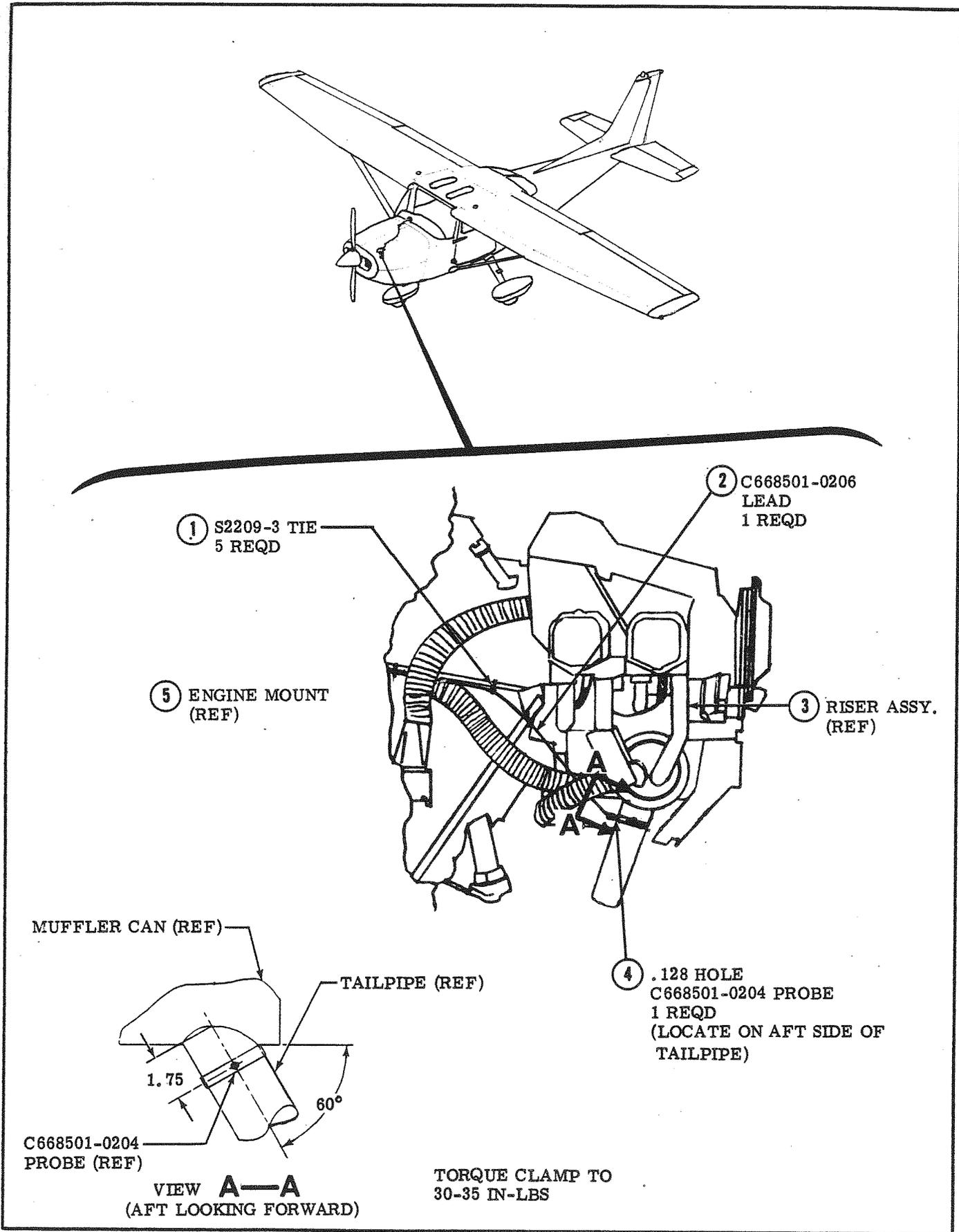


Figure 1. Probe & Thermocouple Lead Installation.

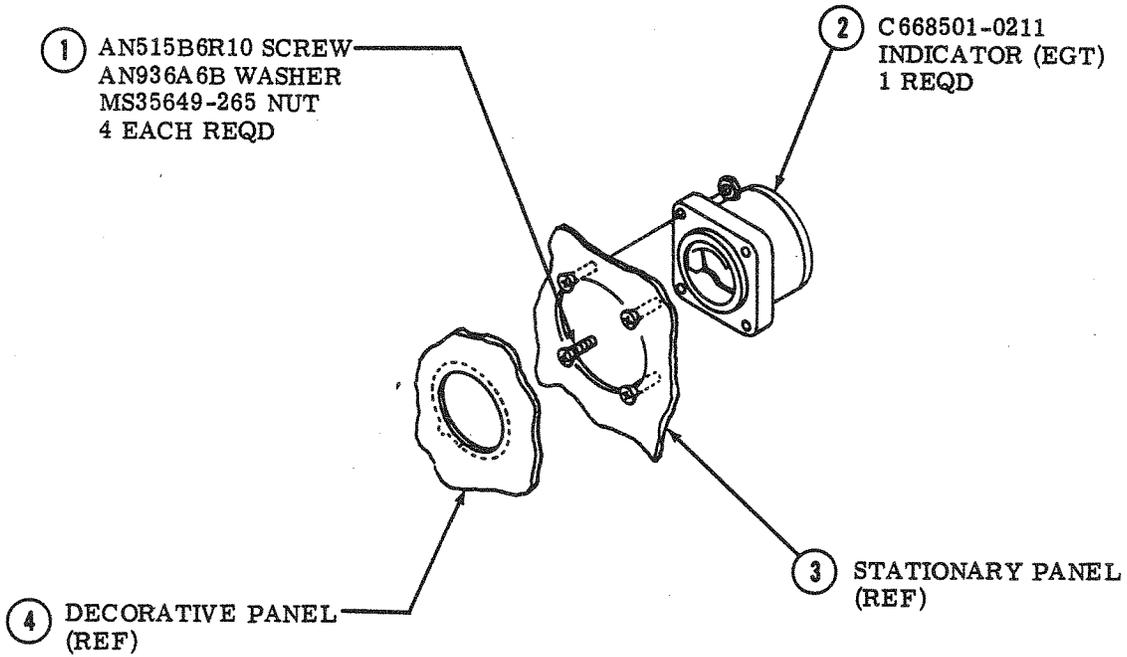
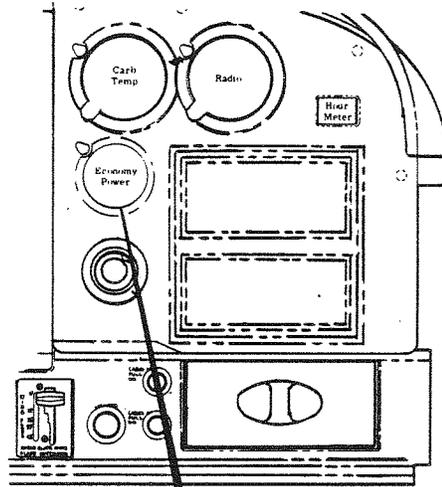


Figure 2. Indicator Installation.