

SERVICE BULLETIN 27

SUBJECT: INSTRUMENT PANEL TEMPLATE 3G1501

APPLICATION: ALL 3G1501 TEMPLATES SHIPPED BEFORE 2/17/87  
(TEMPLATE 400-00159-03 INCORPORATES REVISED DIMENSIONS)

DISCUSSION: The instrument layout on the full size instrument panel template (3G1501) was made with the dimensions too close together. To achieve such a close grouping of the pilot side instruments, it would be necessary to shave the the mounting flanges of the instruments. This practice is not recommended, as it could possibly void instrument warranties and increases the work necessary to complete the instrument panel assembly.

SOLUTION: Rather than using the instrument spacing shown on the template, we recommend a .20" minimum spacing (edge distance) between instrument cutouts. Additionally, we recommend that builders lay out the instrument hole spacing using dimensions taken from the mounting flanges of the instruments which will actually be installed.

NOTE: The outside dimensions for instrument mounting flanges and instrument panel cutouts for adjusting knobs (altimeter barometric setting, VOR tuning, G-meter, etc.) vary significantly from one manufacturer to another. To achieve a proper fit, it is necessary to "custom" fit each instrument to its appropriate hole.

On the templates provided, relocate the instrument holes on the left side (pilot side). Start by aligning all the holes on the right side closest to the radio stack. Then move left, relocating the instrument holes with a .20" minimum edge distance between them. Also, start with the top row and move down, relocating the holes .20" apart. The top left instrument is the most critical in terms of clearance on the back side. When we corrected our template in-house, the airspeed instrument at the top left position stayed at the same height and moved over .150" outboard. The vacuum gauge will also have to move outboard .150".

CAUTION: Because of the use of blueprint paper, which expands and contracts with temperature and moisture changes, dimensions can vary and template accuracy cannot be assured. Be sure to always use the dimensions called out, rather than scaling dimensions from the drawings and templates provided, unless specified otherwise.

  
**STODDARD-HAMILTON**  
AIRCRAFT, INCORPORATED

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