

S.I. NO. M20-42
DATE: 1-24-79

SERVICE INSTRUCTION

SUBJECT: OIL TEMPERATURE GAUGE REPLACEMENT

MODELS & S/N
AFFECTED:

M20J, Serial Nos. 24-0378 thru 24-0720-only if oil temp gauge begins at 175 degrees.

COMPLIANCE: At owners discretion

INTRODUCTION:

The aircraft listed above may have oil temperature gauges with the bottom of the green arc marked at 175 degrees. During cold weather operations the actual oil temperature may be lower than 175 degrees, resulting in the needle reading below the green arc. Gauge replacement as indicated below will provide a 150 degree bottom green marking for better indications throughout the lower range.

INSTRUCTIONS:

1. Remove glare shield
2. Remove four screws holding cluster unit to panel; move unit away from panel and remove glass face
3. Remove all nuts and washers on oil temp gauge. DO NOT disturb bottom light connections
4. Remove the first nuts and lockwashers on the IGN, SEND and center ground terminals from the oil pressure and fuel pressure gauges. Loosen the remaining nuts on these two instruments so they can be pushed slightly forward
5. Remove oil temp gauge
6. Install new gauge into cluster housing. Dial on new gauge must fit under dial of oil pressure gauge. Step washers must fit down into holes.
7. Align gauges so that dials are in a straight line. Install hardware per Figure 1. and torque nuts on IGN, SEND and GND terminals to 14 inch/ounces. Make sure the wire on the front gauge terminal does not obstruct the movement of the gauge.
8. Reinstall cluster in panel and reconnect wires
9. Revise the oil temperature green arc information on page 2-6 of the Pilot's operating handbook

PARTS REQUIRED

1 each Oil Temperature Gauge
P/N 6246-00179

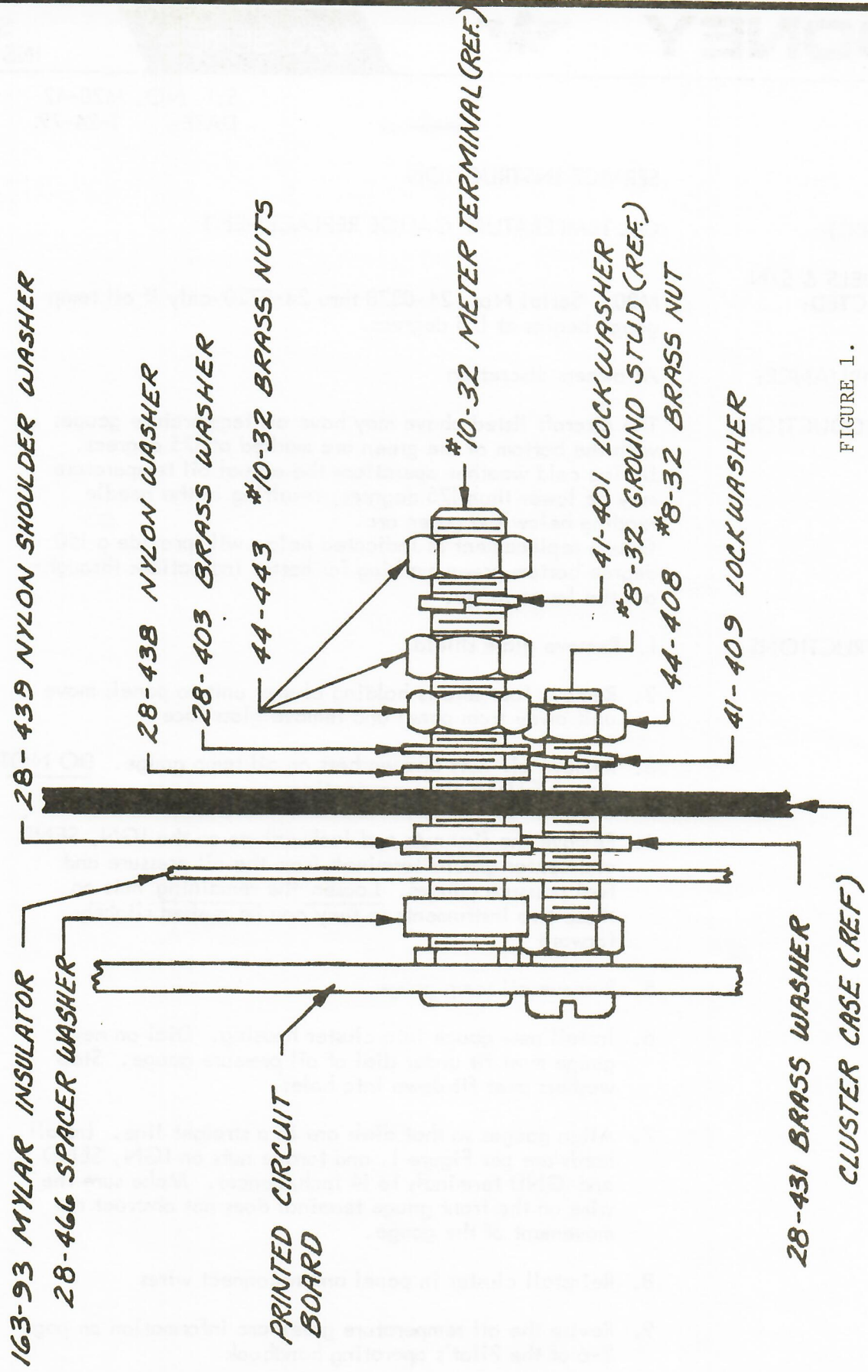


FIGURE 1.