

# SERVICE LETTER

No. 525

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

February 28, 1969

Subject: Addition of Lock Washers to Electrical Switch Installations

Models Affected: PA-23-250 (Six Place) Aztec, and PA-30 Twin Comanche

Serial Numbers Affected: PA-23-250 (six place) Aztec, serial nos. 27-3837, 27-3944 to 27-4030, 27-4032 to 27-4036, 27-4038 to 27-4040, 27-4042 to 27-4056 incl., 27-4058 to 27-4063 incl., 27-4067, 27-4069 to 27-4074 incl., 27-4076 to 27-4082, 27-4084, 27-4086 to 27-4087

PA-30 Twin Comanche, serial nos. 30-1748 and 30-1754

Compliance Time: Prior to but not later than the next 100 hours of operation

Purpose: To inspect and insure proper security of various aircraft electrical switch terminals by the addition of AN type lock washers. (See sketch attached to this letter for typical installation, etc.)

Instructions: Visually inspect the following switch installations to determine if lock washers (AN936-A6, Piper part number 407 133), have been installed under the head of each terminal screw.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Models</u>
32370-02	Switch - Master	PA-23-250 (6) - PA-30
32370-03	Switch - Rotating Beacon	PA-23-250 (6) - PA-30
32370-04	Switch - Nav. Lights	PA-23-250 (6) - PA-30
32370-05	Switch - Landing Light	PA-23-250 (6) - PA-30
32370-06	Switch - Taxi Light	PA-23-250 (6)
32370-07	Switch - Fuel Pump (Left)	PA-23-250 (6) - PA-30
32370-08	Switch - Fuel Pump (Right)	PA-23-250 (6) - PA-30
32370-09	Switch - Pitot Heat	PA-23-250 (6) - PA-30
32370-10	Switch - Windshield Heat	PA-23-250 (6) - PA-30
32370-11	Switch - Prop. De-icer	PA-23-250 (6)
32370-12	Switch - Surface De-icer	PA-23-250 (6)
32370-13	Switch - AutoFlite	PA-23-250 (6) - PA-30
32371-02	Switch - Magneto (Left)	PA-23-250 (6) - PA-30
32371-03	Switch - Magneto (Right)	PA-23-250 (6) - PA-30
487 852	Switch - Voltage Regulator	PA-23-250 (6) - PA-30
487 957	Switch - Heater	PA-23-250 (6) - PA-30

(over)

Instructions: (Continued)

It will also be necessary to inspect the circuit breakers and circuit breaker bus bars pertaining to the above switch installations to determine that lock washers (AN935-8, Piper part number 407 103) have been installed under the head of each terminal screw.

Material Required:

Part number 407 133 (AN936-A6) and/or part number 407 103 (AN935-8) lock washers, as required.

Material Allowance:

None

Labor Allowance:

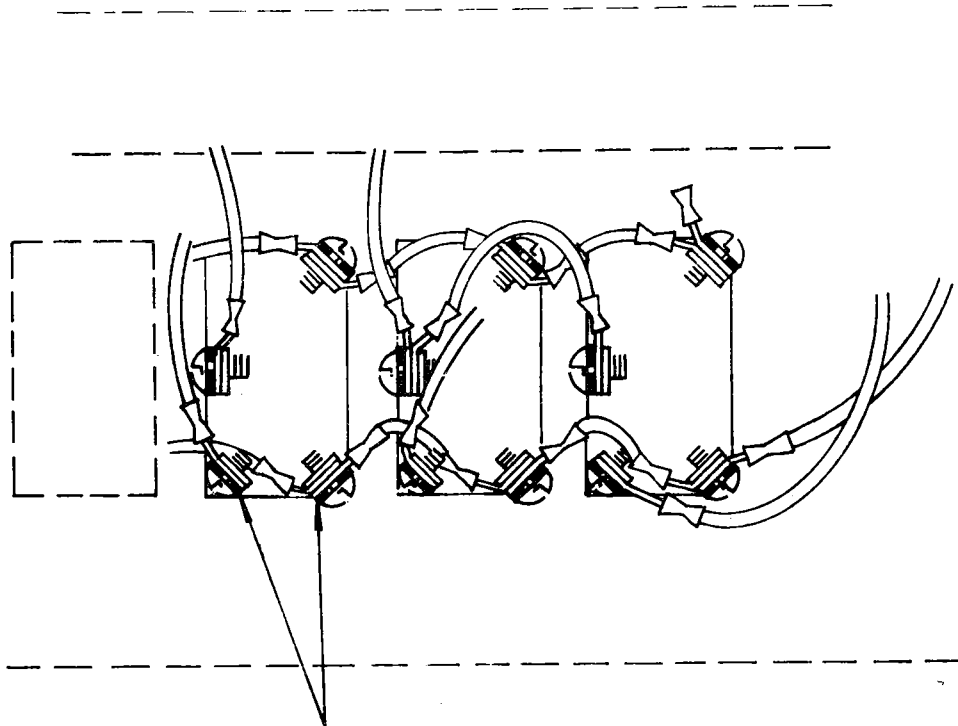
One (1) hour labor allowance for inspection. One (1) additional hour labor allowance for installing lock washers, if required. Comply with Warranty and Credit Claim procedures.

Labor Allowance Termination

Date:

August 31, 1969

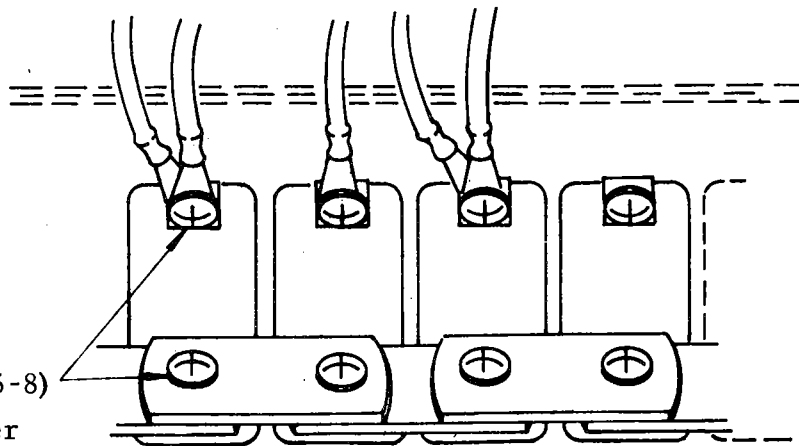
# Typical Switch Installation



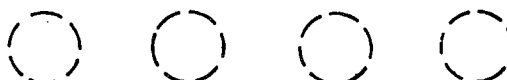
Lock Washer (AN936-A6) must be installed under screw head on each switch terminal.

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## Typical Circuit Breaker and Circuit Breaker Bus Bar Installation



Lock Washer - (AN935-8) must be installed under screw head at each circuit breaker terminal.



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