



American Aviation Corporation  
318 Bishop Road Cleveland, Ohio 44143

# SERVICE

# BULLETIN

DATE: January 7, 1969

SUBJECT: Grounding Strap Installation

MODELS AFFECTED: AA1-0001 through AA1-0032

TIME OF COMPLIANCE: IMMEDIATELY

Service Bulletin No. 106  
Engineering Aspects are FAA  
(DER) Approved

**INACTIVE**  
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Certain instances have been reported of evidence of high current passing through the electrical shielding on the wires 1PB2, 1PB3, 1PB4 (reference drawing 13-402009 in Appendix A of the Service Manual) resulting in damage to the insulation of these wires. The situation is aggravated by excessive cranking of the engine during very cold starting conditions.

Factory tests have duplicated the reported field conditions, and as a result of these tests, the following is to be accomplished immediately (within 2.0 hours of operation):

1. Inspect wires 1PB2, 1PB3, and 1PB4 and their shielding ground wires for evidence of insulation damage and replace any wires found damaged.

NOTE: Shielding on wires 1PB2, 1PB3, and 1PB4 is grounded at 3 points; at the instrument panel, at the alternator case, and at the voltage regulator. The grounding at these points is accomplished by crimping the shielding to a No. 20 wire which is then terminated under a convenient screw.

2. Install two Part No. 402010-3 ground straps between the engine and the engine mount. Attach one end of each strap to the engine under the accessory housing attaching bolt located directly below the lower left and right magneto attaching studs. Attach the other end of each strap to the lower left and right engine to engine mount attaching bolts, sandwiching the strap between the engine mount and the washer under the mount bolt nut.

NOTE: Carefully remove all paint from the engine and engine mount where the ground strap is to make contact.

Two Part No. 402010-3 ground straps are being mailed to each Dealer for each affected aircraft in the Dealer's territory with this Service Bulletin.

Aircraft AA1-0033 and up have two Part No. 402010-3 ground straps installed at the factory and are not affected by this bulletin.

AMERICAN AVIATION CORPORATION