SUBJECT: INSPECTION OF ENGINE GROUND WIRE

MODELS AFFECTED: All Mooney M-20 Series Aircraft thru:

- M-20 S/N 1200
- M-20A S/N 1700
- M-20B S/N 1923
- M-20C S/N 690008
- M-20D S/N 260
- M-20E S/N 690017
- M-20F S/N 690019
- M-20G S/N 690004

TIME OF COMPLIANCE: MANDATORY Compliance within the next 10 operating hours and each subsequent annual or 100 hour inspection - whichever comes first.

INTRODUCTION: Inspection of the engine ground wire is often a neglected item. An adequate engine to ground connection assures obtaining best operating efficiency of generator or alternator and starter.

INSTRUCTION: INSPECT ENGINE GROUND WIRE FOR CONDITION AND SECURITY OF ATTACHMENT.

The following are acceptable methods of attaching the engine ground wire to the R.H. footwell on the firewall:

1. Attaching ground wire directly to footwell with AN 3-4A bolt (1), AN 970-3 washers (2) and AN 365-1032 nut (1).

2. Attaching ground wire to 600324-9 right angle bracket with AN 3-4A bolt (1), AN 970-3 washers (2) and AN 365-1032 nut (1).

3. Attaching ground wire to 600324-13 plate (2) and K 1000-4 Kaynar plate nut with AN 4-5A bolt (1) and AN 970-4 washer (1) shown on Sheet 2 of 2. THIS METHOD IS RECOMMENDED TO BE INCORPORATED IN ALL INSTANCES WHERE A DOUBTFUL OR LOOSE GROUND WIRE-TO-FIREWALL ATTACHMENT IS ENCOUNTERED. (ORDER KIT 20-180-1).

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SERVICE BULLETIN KIT:

M20-180-1

AN 4-5A Bolt-----------------------(1)
AN 970-4 Washer------------------(1)
AN 470AD4- Rivets----------------(16)
AN 426AD3- Rivets----------------(2)
K1000-4 Kaynar Plate Nut----------(1)
600324-13 Plate------------------(2)

The above bulletin kit may be procured from your local Mooney distributor and service center. Direct factory orders will not be accepted.

<table>
<thead>
<tr>
<th>600324-13 Plate</th>
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<tr>
<td>(2 Parts Req'd.)</td>
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<tr>
<td>K1000-4 Kaynar Plate Nut</td>
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AN426AD3 Rivet  |
(Typ 2 Places)  |
AN470AD4 Rivet  |
(Typ. 16 Plcs)  |

CENTER AND INSTALL PLATE NUT AND 600324-13 PLATES ON EXISTING ATTACH HOLE ON R.H. FOOTWELL. ENLARGE EXISTING HOLE TO:

.250 DIA.

.254 DIA.

View Looking Outbd. on R.H. Footwell on Firewall