



(This Service Bulletin is FAA D.O. Authorization SW-1 Approved)

SUBJECT: Exhaust System Tail Pipe Hanger

MODELS AFFECTED: M20C, S/N 1852, 1940-3466, 670001, 670002, 670005-670106
 M20D, S/N 1, 101-260
 M20E, S/N 101-1308, 670001
 M20F, S/N 660001, 660004, 670001-670245, 670247-670257,
 670259-670342

TIME OF COMPLIANCE: At Owner's Discretion

INTRODUCTION: A more durable exhaust tail pipe hanger is available for the aircraft referenced above.

NOTE: Kit #1 is for all M20C and M20D aircraft with either Hanlon & Wilson or Mooney exhaust system.

Kit #2 is for all M20E and M20F aircraft with Hanlon & Wilson exhaust systems.

Kit #3 is for all M20E and M20F aircraft with Mooney exhaust systems.

- INSTRUCTIONS:
1. Remove the right hand side cowl.
 2. Remove the tail pipe support clamp.
 3. Remove the tail pipe support springs from the firewall.
 4. Remove the eye bolt from the firewall.
 5. Use existing hole in the firewall (see Figure #1).
 6. Install 630086 block on the firewall with one AN3-11A bolt, AN960-10 washer (2), and 914020-119 bushing as shown in Figure #2.
 7. Assemble 630041-3 (Kit #2), 630041-19 (Kit #3), or 630041-21 (Kit #1) clamp, two 630041-7 absorbers, 630041-5 swivel, 630041-9 and 630041-7 brackets per Figure #2.
 - 8.(a) For Kits #1 and #2, install the assembled parts to the 630086 block using AN3-16A bolt, AN960-10 washer (2), AN363-1032 nut, and 914020-2 bushing and to the tail pipe using one tail pipe clamp and hardware previously removed.
 - (b) For Kit #3 use AN3-5A bolt, AN365-1032 nut, and AN960-10 washer (2) with the 630041-19 clamp assy.
 9. Install right side cowl previously removed.

SERVICE BULLETIN KIT M20-144

PART NUMBER	NUMBER REQUIRED		
	KIT #1	KIT #2	KIT #3
630041-3 Clamp Assy.		1	
630041-19 Clamp Assy.			1
630041-21 Clamp Assy.	1		
630041-5 Swivel	1	1	1
630041-7 Absorber	1	1	1
630041-9 Bracket	1	1	1
630041-17 Bracket	1	1	1
630086 Block	1	1	1
AN3-11A Bolt	1	1	1
AN3-16A Bolt	1	1	1
AN3-5A Bolt			1
AN515-8R10 Screw	4	4	4
AN960-10 Washer	4	4	6
AN960-8 Washer	8	8	8
AN363-1032 Nut	1	1	2
AN363-832 Nut	4	4	4
914020-119 Bushing	1	1	1
914020-20 Bushing	1	1	1

These Service Bulletin Kits may be purchased from your local Mooney dealer or distributor. Direct factory orders will not be accepted.

FIGURE No. 2

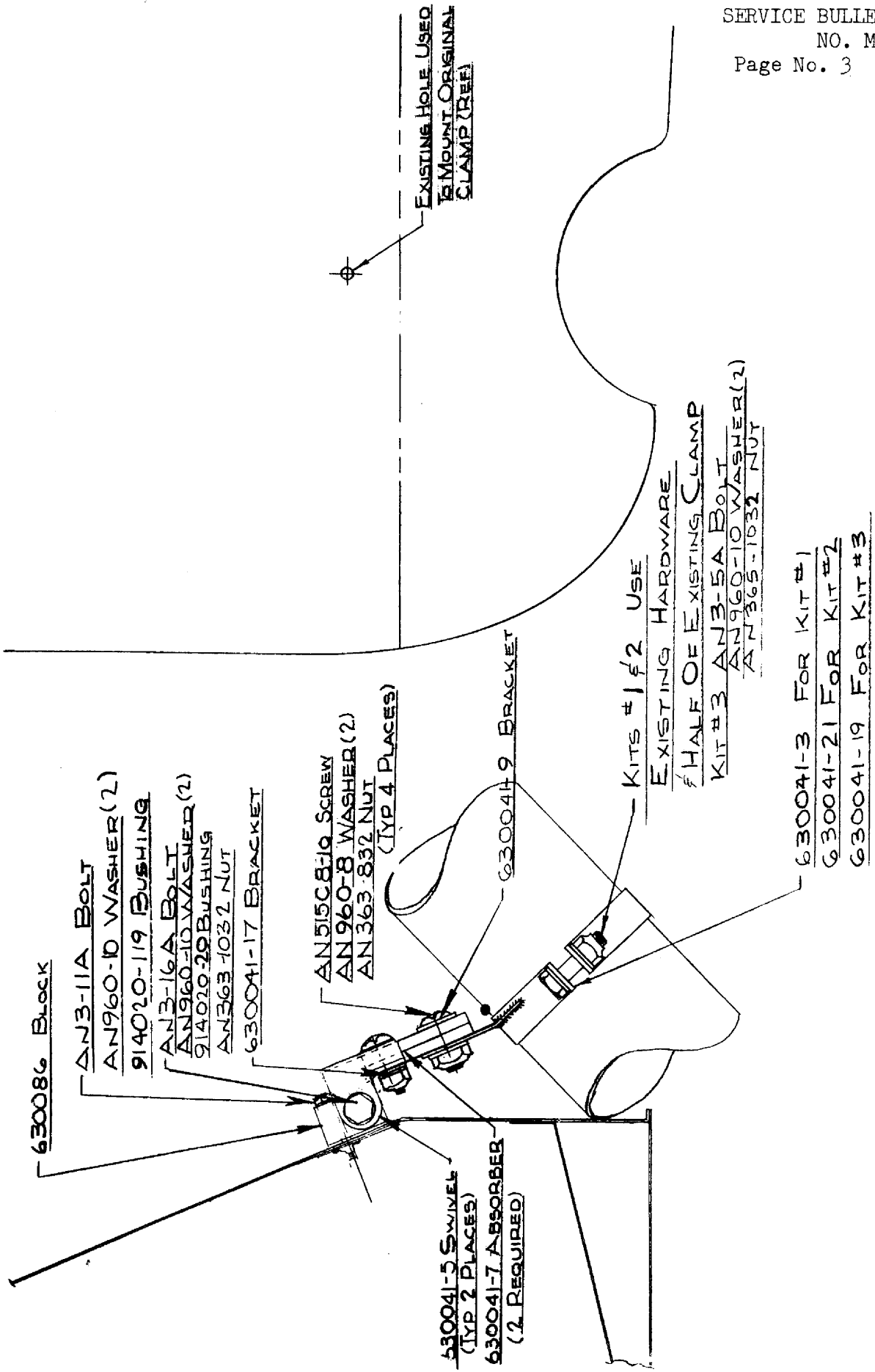


FIGURE No. 1