

**THIS BULLETIN IS FAA APPROVED FOR ENGINEERING DESIGN**

SERVICE BULLETIN M20-289A

Date: August 01, 2005

SUBJECT: AILERON CENTER LINK CLEARANCE

MODELS/ SN  
AFFECTED:

MOONEY M20B S/N 1701 and ON  
MOONEY M20C S/N 1852 and ON  
MOONEY M20D S/N 1 and ON (with Retractable Gear)  
MOONEY M20E S/N 101 and ON  
MOONEY M20F S/N 660003 and ON (with Electric Retractable Gear)  
MOONEY M20G S/N 680001 and ON (with Electric Retractable Gear)  
MOONEY M20J S/N 24-0001 and ON  
MOONEY M20K S/N 25-0001 and ON  
MOONEY M20L S/N 26-0001 and ON  
MOONEY M20M S/N 27-0002 through 27-0341  
MOONEY M20R S/N 29-0001 through 29-0376  
MOONEY M20S S/N 30-0001 and ON

TIME OF  
COMPLIANCE: AT NEXT SCHEDULED ANNUAL INSPECTION, BUT WITHIN NEXT 100 FLIGHT HOURS

INTRODUCTION: To prevent Left and Right Aileron Links from rubbing on Gear Retraction Bellcrank with gear extended.

INSTRUCTIONS: Read entire procedure before beginning work.

1. Turn master switch - OFF
2. Per instructions provided in Section 53 of applicable aircraft Service and Maintenance Manual, remove Belly Skin for access to Center Bellcrank Assembly.
3. Locate Center Bellcrank Assembly and remove attaching hardware securing Left and Right Aileron Links (ref. Figure M20-289-1).

**NOTE:****Ailerons will be unsupported when links are disconnected. Support ailerons to prevent their uncontrolled falling prior to removing attaching hardware at Center Bellcrank Assembly.**

4. Discard existing AN3-13 Bolt, 913029 Spacer, MS17825-003 Nut and MS24665-151 Cotter Pin.
5. Reassemble Left and Right Aileron Links to Center Bellcrank Assembly with hardware from kit M20-289-000. Follow order of hardware assembly as follows (ref. Figure M20-289-1):

AN3-13 Bolt (Install from back to front)

913029-003 Spacer (Install between aft lug on Center Bellcrank and Right Aileron Link)

913029 Spacer (Install between Right Aileron and Left Aileron Links)

913029-003 Spacer (Install between Left Aileron Link and forward lug on Center Bellcrank)

MS17825-003 Nut

MS24665-151 Cotter Pin

6. Verify smooth operation of aileron controls.
7. Re-install Belly Skin removed in step 2 above.
8. Remove supports from ailerons.
9. Complete logbook entry.
10. Return aircraft to service.

**WARRANTY:** For Mooney Aircraft under warranty, Mooney Airplane Company, Inc. will warrant labor (1 hour) and parts (ref. Kit below) required for the installation of subject spacer when done in accordance with procedures of this Service Bulletin.

**REFERENCE DATA:** MAC Service and Maintenance Manuals (applicable A/C) Chapters 27 and 53.

**PARTS LIST:** Mooney Airplane Company, Inc., Parts Kit: M20-289-000

Item	P/N	Description	Qty
1.	AN3-13	BOLT	1
2.	913029	SPACER (.090 LONG)	1
3.	913029-003	SPACER (.050 LONG)	2
4.	MS17825-003	NUT	1
5.	MS24665-151	COTTER PIN	1

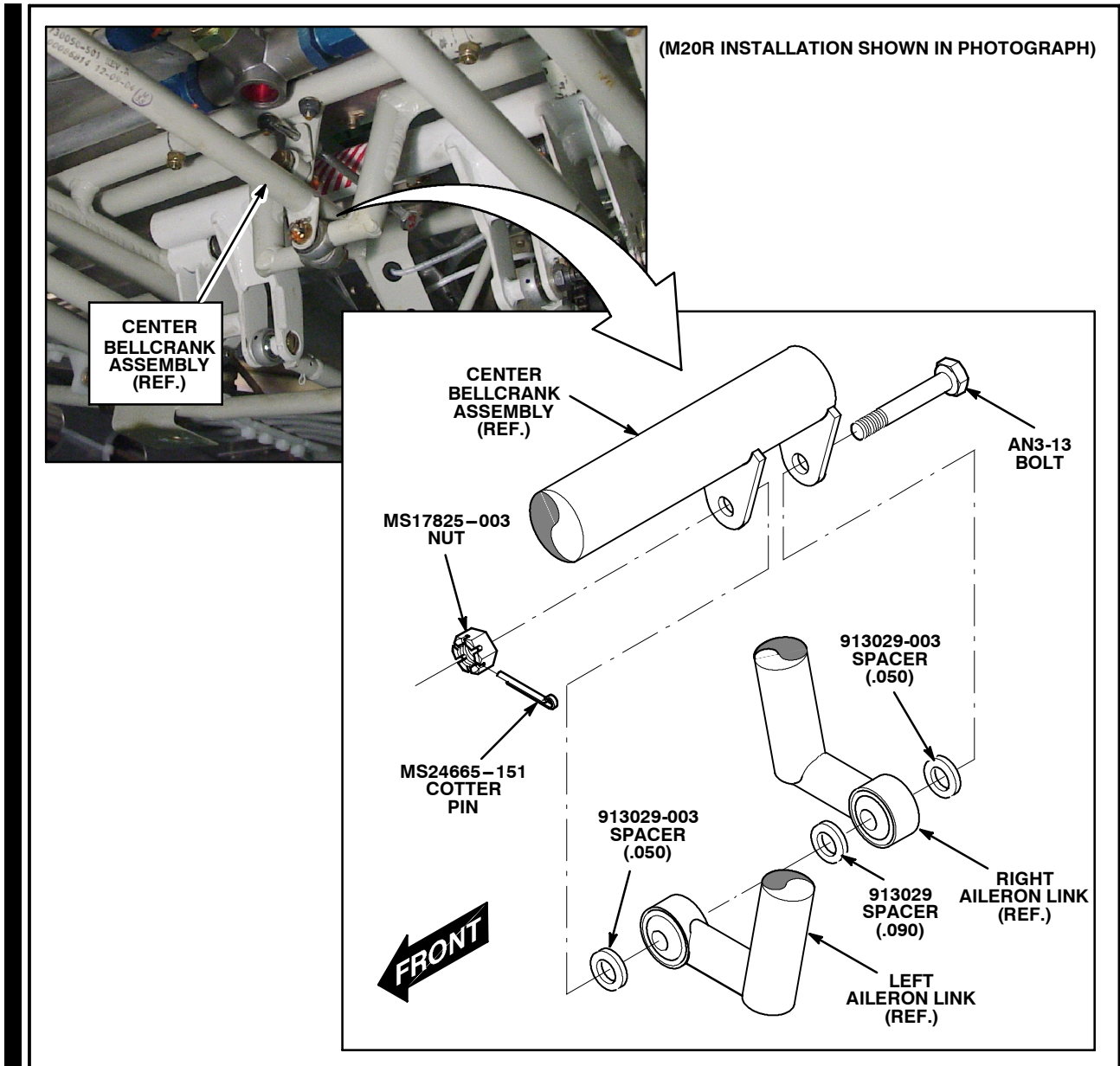


Figure SB M20-289-1