



**SUBJECT:** TOWING INFORMATION [ CHAPTER 9 - TOWING AND TAXIING ]

**MODELS/ SN AFFECTED:** ALL M20 SERIES AIRCRAFT

**TIME OF COMPLIANCE:** **AS REQUIRED WHEN TOWING AIRCRAFT**

**INTRODUCTION:** Mooney International Corporation wants to emphasize the importance and care while towing a Mooney aircraft in close quarters, in the hangar and on the ramp. The Mooney Aircraft Flight Manual and Mooney Service and Maintenance Manual recommends that the use of only a Mooney approved **hand tow bar** be used for moving all Mooney aircraft models. The tow bar attaches into the nose gear axle crossbar. A turn limit indicator and turn limit placards are visible on the nose gear assembly, proper care should be taken to stay within these specified limits. Towing by tractor or other powered equipment is NOT RECOMMENDED.

When no tow bar is available, or when assistance in moving the aircraft is required, push by hand:

- (1) on the wing leading edges, at a rib station (a rivet line is visible)
- (2) on the wing tips

Towing by tractor or other powered equipment is NOT RECOMMENDED. However, when at large airports, this is going to be the preferred method by FBO/Line personnel. The owner/pilot should advise and caution the tow vehicle personnel that the nose gear may be damaged if a turning radius exceeds the maximum recommended limits specified in the AFM [Section VIII - Handling, Service and Maintenance] during the tow activity. The approved turning radius is also visible by decals and pointers located on the front of the Nose Landing Gear leg assembly, see Figure SIM20-137-1. Mooney recommends when replacing the placards, use High Visible colors such as "White material with Red ink".

**-CAUTION-**

**Exercise care not to turn the nose wheel past its normal swivel angle of 11° left or 13° right of center. Exceeding the turn limits as shown on the turn indicator may cause structural damage. Refer to the Service and Maintenance Manual Chapter 32-50-00 for Steering Rigging and Turn Stop Adjustment.**

**-WARNING-**

**Maximum allowable damage to nose gear leg assembly is 1/32 inch dent. Contact Mooney Product Support with any damage to: support@mooney.com**

**WARRANTY:** N/A

**REFERENCE DATA:**

1. Applicable Mooney Aircraft Flight Manual
2. Applicable Mooney Service and Maintenance Manual

**PARTS LIST:** **Service Instruction Kit - Order parts individually**

<u>Item</u>	<u>P/N</u>	<u>Description</u>	<u>Qty</u>
1.	150110-B2003R	PLACARD, "DO NOT EXCEED TOW LIMITS"	1
2.	150110-B2022R	PLACARD, "TOWING LIMITS"	1
3.	010034-515	TOW BAR, FOLDABLE	1

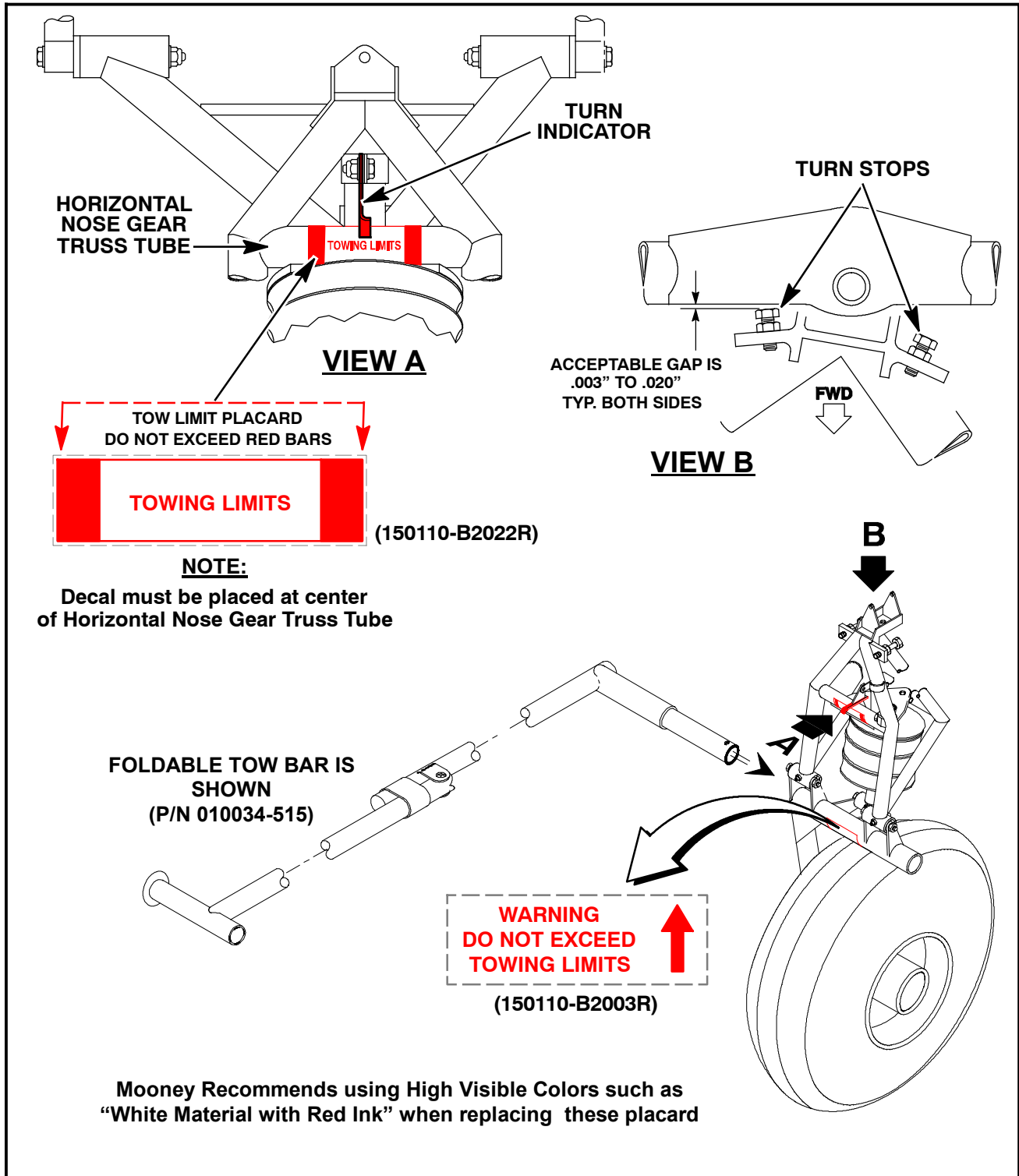


Figure SIM20-137-1 - NOSE TRUSS AND TOWING LIMITS



**MOONEY INTERNATIONAL CORPORATION**  
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SERVICE (BULLETIN) (INSTRUCTION) NO. \_\_\_\_\_ HAS BEEN COMPLIED  
WITH ON AIRCRAFT MODEL \_\_\_\_\_ SERIAL NUMBER \_\_\_\_\_

Tach. Time: \_\_\_\_\_ N-Number \_\_\_\_\_ (Reg. No.)  
Owner: \_\_\_\_\_ Date of Compliance: \_\_\_\_\_  
\_\_\_\_\_ Complied By: \_\_\_\_\_  
\_\_\_\_\_

Inspection Report: \_\_\_\_\_  
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Form 07-0001

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