

MOONEY AIRCRAFT, INC.

SERVICE LETTER 20-75

(This Service Letter is FAA Approved)

SERVICE BULLETIN M20-75

DATE: August 18, 1960

SUBJECT: Installation of Landing Gear Mud Shields

MODELS AFFECTED: M-20 and M-20A Serial Numbers 1002-1625

TIME OF COMPLIANCE: Optional

INTRODUCTION

All M-20A aircraft are equipped with shields attached to the main landing gears as standard equipment on airplanes subsequent to serial number 1625. The shields are installed as an added safety feature to prevent ice, snow or mud from possibly freezing the landing gear retracting mechanism or small stones from becoming lodged in the mechanism.

Installation of these shields is highly recommended for the M-20 and M-20A airplanes prior to serial number 1626. The parts for this installation are available from your Mooney Dealer or Distributor or from the Spare Parts Department at Mooney Aircraft.

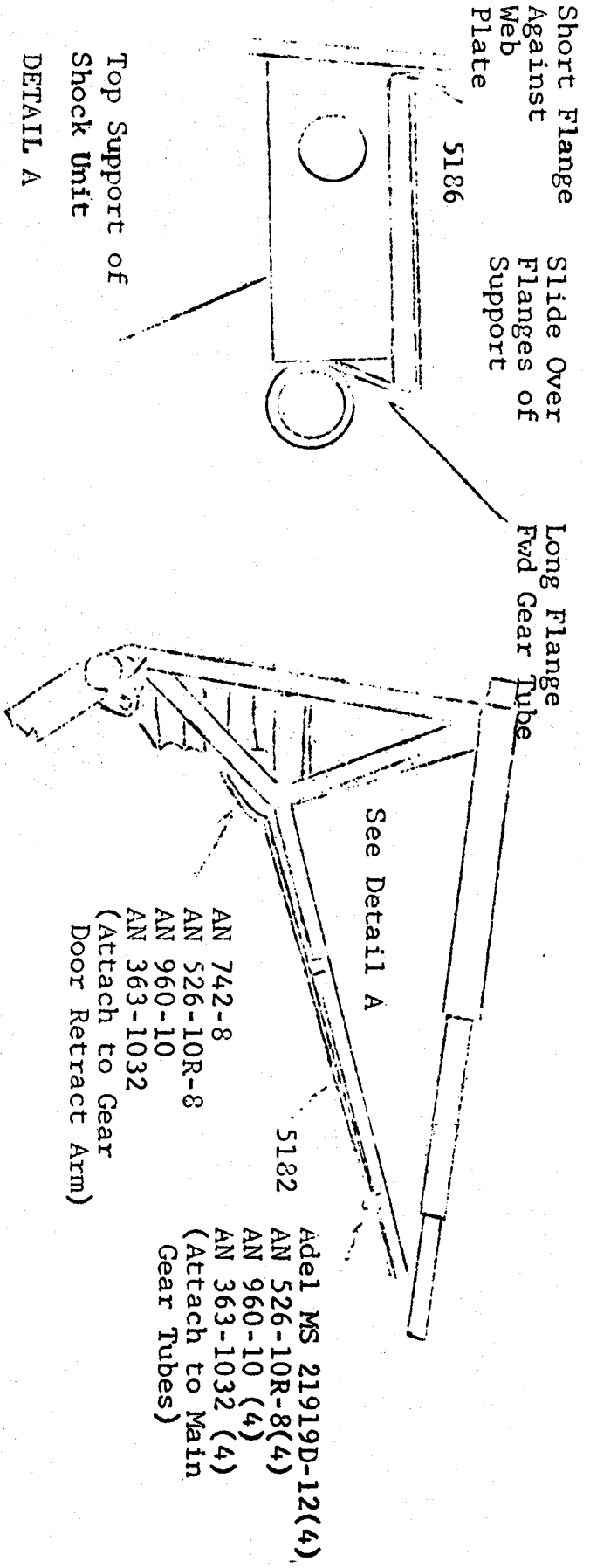
INSTRUCTIONS

1. The small shields, P/N 5186, are clipped to the channel plate supporting the top of the shock biscuit center post as shown in the enclosed figure.

2. The large shields, P/N 5182-1 and -2, are attached to the tubular structure of the main gear as shown in the enclosed figure. The clamps should be attached to the tubes before installation of the shield.

3. Install the shields with the screws through the clamps, 5182-1 on the left and 5182-2 on the right. The screws should be left very loose until all clamps are attached to the shield.

4. After all clamps are attached tighten the screws. The shield should then be in alignment with the gear; however, a retraction test is necessary to ascertain that the shield does not interfere with the gear retraction nor touch the wing skin or structure at any position.



LEFT GEAR SHOWN  
RIGHT GEAR OPP