



TO: Distributors, Dealers, Service Centers

FROM: Customer Service Department

SUBJECT: All M20B, M20C, M20E, M20F, M20G and M20D converted to retractable gear.

INTRODUCTION: In the past, due to several different types of retract links in use, there were different torque values for gear rigging which at times led to the wrong values being used for a particular aircraft.

As a result of compliance with the recent Airworthiness Directive 72-12-2, the retract links on all the above listed aircraft are of the same design and require the rigging torque values specified in Service Bulletin M20-155 which is as follows:

1. MANUAL GEAR.
 - a. Main Gear: 240 to 280 inch pounds.
 - b. Nose Gear: 100 to 130 inch pounds.
2. ELECTRIC GEAR.
 - a. Main Gear: 240 to 280 inch pounds.
 - b. Nose Gear: .060 inch deflection of the nose gear retraction tube bungees.

NOTE: The difference in left and right main gear torque should register within ± 25 inch pounds of each other.

- INSTRUCTIONS:**
1. Rigging of preloads on retraction system are to be taken on 10 inch nominal length torque wrench using rigging tools GSE030007 and GSE030008. The use of these tools is a must to insure proper preload torque values.
 2. Make the necessary changes in the appropriate section of your Service and Maintenance Manual to reflect these torque values.
 3. It is recommended that a placard showing rigging values, be applied directly to the retract link. These placards can be made using a Dymo tapewriter or equivalent.