

NOTE

The protractor on the face of the power wrench may be used as a guide for estimating the additional degree of turn for alignment. Do not exceed 780 foot-pounds torque aligning the lock.

m. Install lock (5), engage with nut splines and secure to trunnion with bolt (4). Torque bolt 50 to 75 inch-pounds. Lockwire (C155) bolt head to trunnion.

n. Install stabilizer bar (figure 5-27, sheet 1) and connect (8) to pitch horns (10), control tube (21) to scissor levers (25), and tubes (18) to damper levers (13) (paragraph 5-47). Remove grip positioning links when connecting pitch links to pitch twin. Install washer and nut. Torque nut 100 to 140 inch-pounds.

NOTE

If same hub and blade assembly and pitch links are being installed, and adjustment of pitch links is known to be satisfactory, omit step o. and proceed to step p.

o. Set main rotor minimum pitch as follows:

(1) Adjust each pitch link to 10.5 inches between bearing centers, with rod ends aligned and with exposed threads equal at both ends within 0.030 inch (figure 5-9).

(2) Place cyclic stick in centered position and collective control stick full down.

(3) Take reading by placing protractor chordwise on each blade grip. Add two readings together. Total of two readings should be 15 TO 17 degrees.

(4) Adjust both links equally and in same direction until above reading is obtained.

NOTE

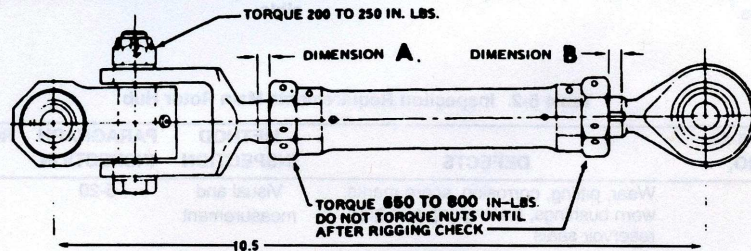
Pitch change links may require further adjustment during operational check. If rotor overspends in autorotation, shorten links equally. If rotor underspends, lengthen links equally. Normal autorotation rpm will be set at light gross weight. (TM 55-1520-242-MTF).

(5) Torque jamnuts on pitch change links, 650 to 800 inch-pounds. Lockwire (C155) upper jamnut to both barrel and clevis. Lockwire (C155) lower jamnut to barrel. Check hole in barrel to ensure minimum thread engagement.

p. Remove maintenance hoist from helicopter.

(1) Main rotor greased hub and blade installation, see lubrication requirements in paragraph 1-7.

q. Perform operational check (paragraph 5-9).



NOTES
 DIMENSION A DIMENSION B shall be equal within 0.030 inch.
 Set pitch links to 10.5 inches initially. Shorten pitch link of low blade to adjust blade track at low RPM.

Figure 5-9. Pitch Change Link Assembly.