

Right



Wrong



Caution: When using an adjustable wrench, make sure wrench jaws are tight in order to prevent damage to bolts and nuts.

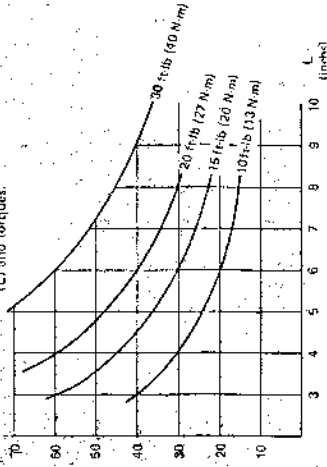
6.2 Nut and Bolt Tightening Guide

Nuts and bolts must be adequately tightened for strength and security, but not overtightened to the point of failure, or crushing or expanding tubes. The length of wrench, times the force applied at the end of the wrench, gives the torque applied measured in inch-pounds.

Typical Examples:

- 8mm or 5/16" thread: 200-200
- IN-BS, 9.5mm or 3/8": 250-280
- 1/2" Pedal Thread: 260-280
- 9/16" Pedal Thread: 450-500
- 6mm Brake Bolt: 150-170
- 5mm Brake Cable and Shoe: 120
- 7mm Crank Cotter Nut: 180-190
- Front Wheel Nut: 200-220
- Rear Wheel Nut: 250-280

Figure for the required force (W) is to be known in relation to the length of wrench (L) and torque.



To prevent nuts and bolts from coming loose, "Locktite" bond has been used wherever appropriate on your factory-built FOLDER. After you have tightened any nuts and bolts, for utmost safety, it is strongly recommended that you do the same.

6.3 Servicing Guide

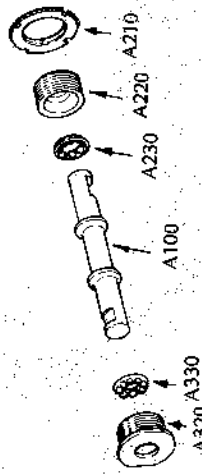
The following sections include detailed information needed for the disassembly, maintenance, adjustment, trouble shooting and repair of the DAHON Folder. Detailed sketches have been provided, while reference to the exploded view of the entire bicycle is available in section 8 of this manual.

Caution: Do not attempt to disassemble, adjust, or repair parts without first having adequate tools and mechanical background.

6.3.1 Bottom Bracket Crankshaft Assembly

A. Disassembly

To disassemble, use lock ring pliers to remove the right lock ring (A-210). Then remove the bearing race (A-220) with a special bearing race pliers, and finally take out the bearing ring (A-230). After these components have been removed, the bracket axle (A-100) can be removed from the right side.



To assemble, reverse the above order. Make sure that bearings are properly lubricated (use wheel bearing grease) and that the bearing race (A-220) has no side wobble but can rotate with little resistance.

B. Adjustment, Trouble Shooting and Maintenance

A poorly adjusted bearing race (A-220) can hinder the axle's spinning ability or cause it to wobble. Avoid excessive or uneven wear of axle assembly by first loosening outer lock ring (A-210), properly adjusting inner bearing race (A-220), and retightening lock ring while making sure not to change the setting of the bearing race.

Lubrication of these bearings is also very important as dirt, grime or worn bearing grease can cause damage to bearing races. Each time this assembly is dismantled, all parts should be thoroughly cleaned and dried and re-greased. This process should be done at least once every 6 months, or sooner if there is any grinding or tight movement after proper adjustment.

If excessive looseness or tightness exist after parts are lubricated and adjusted, one or more of the forementioned parts is damaged and should be replaced at once. Failure to replace a worn part will accelerate wear of other inner-working bottom bracket parts.

6.3.2 Brake System

The brakes are one of the most important parts of your bicycle. To be sure that the brakes work well when you really need them, perform all the adjustment steps in this section exactly as instructed.

Warning: If brakes do not work well after making the following adjustments, have brakes repaired or replaced at a bicycle service shop.

DAHON Folder uses the two types of caliper brakes — in the front brake is a side-pull caliper brake, on the rear is a center-pull caliper brake (Fig. 1)