FOLDERS by DAHON

User's Manual

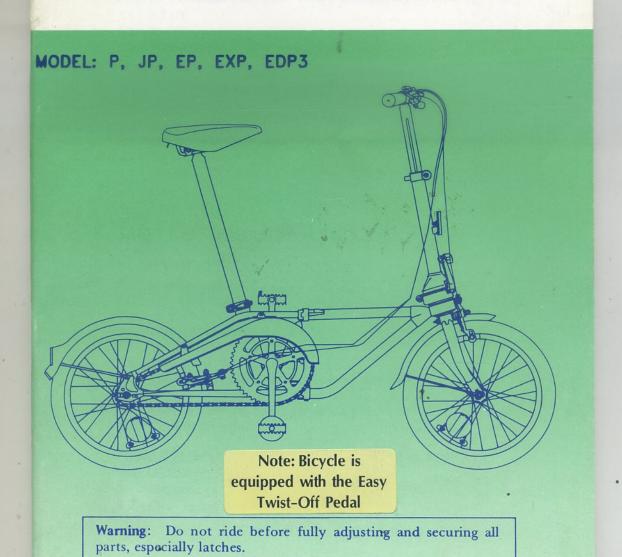


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7. GENERAL MAINTENANCE AND CLEANING FOR ALL FOLDERS by DAHON

1. INTRODUCTION

Congratulations, you have just acquired a fine product. Your Folder by DAHON comes to you fully assembled and is easily adjusted to perfectly fit your preferences. This bike is mechanically more complex and thus requires more careful use and maintenance than other bicycles. So that you may safely enjoy this state-of-the-art product, read and follow all of the instructions and helpful hints contained in this manual. Pay special attention to items denoted; (caution) and (warning).

Caution: To prevent component failure or damage.

Warning: To prevent injury to the rider or others.

This manual covers most DAHON Folding Bicycles. Some features described in this manual may not apply to your particular DAHON Folder, and other features may be optional.

2. RESPONSIBILITIES AND SECURITY

2.1 Owner's Responsibility

1. Follow the instructions in this manual and any other literature supplied with this bicycle.

The owner is responsible for performing specified maintenance service to keep this bicycle in safe operating condition.

2. The warranty card for your Folder by DAHON should be completed and returned to enjoy your Privileges.

Warning: Prior to riding, check equipment "Safety and Parts Inspection" (Sec. 5).

2.2 Protection Against Theft

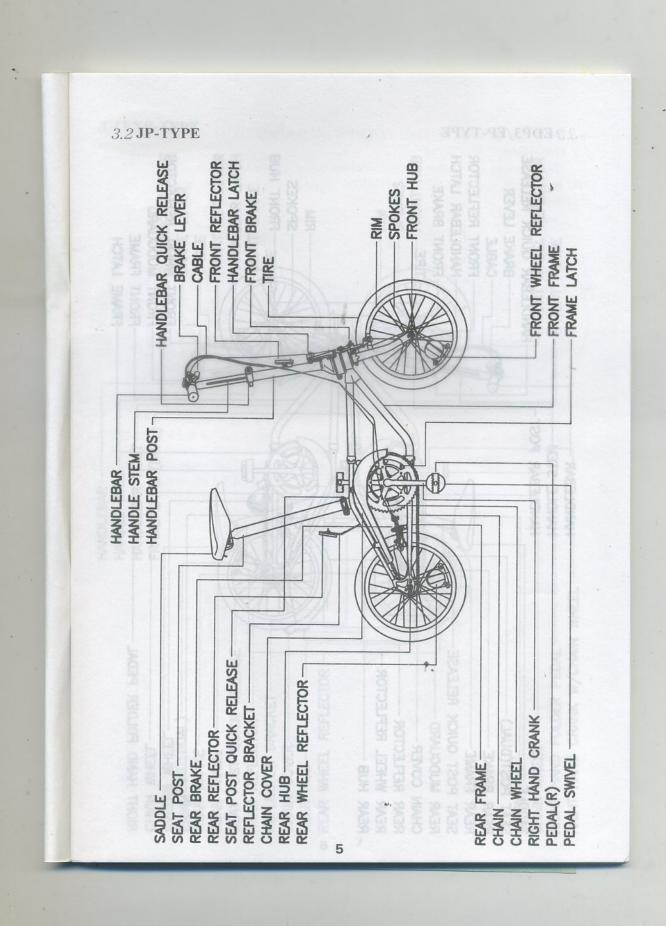
- 1. Record the serial number of your bicycle ______. It is located on bottom bracket (F250 M50)
- 2. Record name and location of store where purchased, and date of purhase:
- 3. Register your bicycle with your local law enforcement agency, and obtain license if required. License No.______Place registered:_____

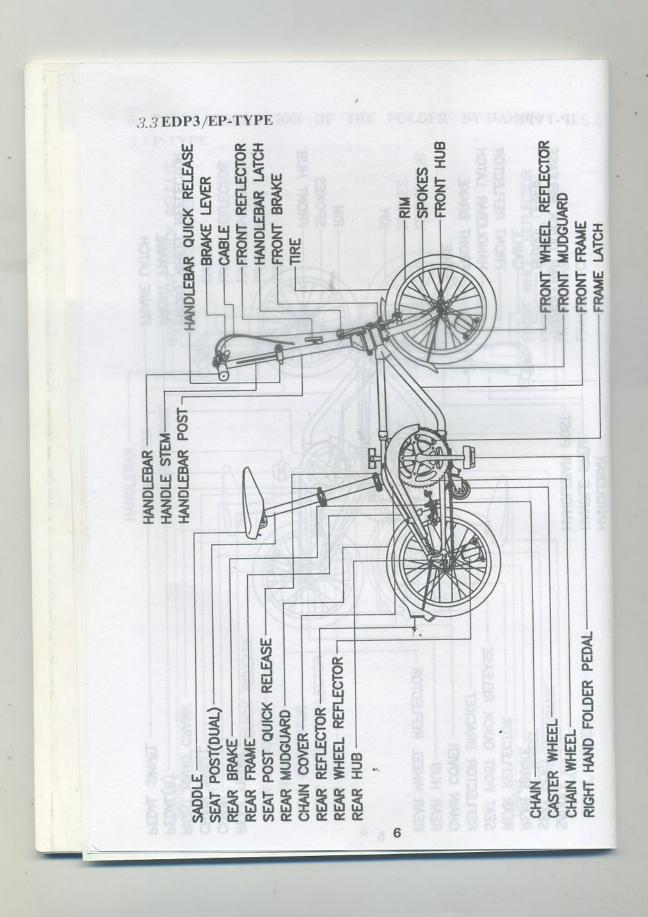
2.3 Lighting and Reflectors

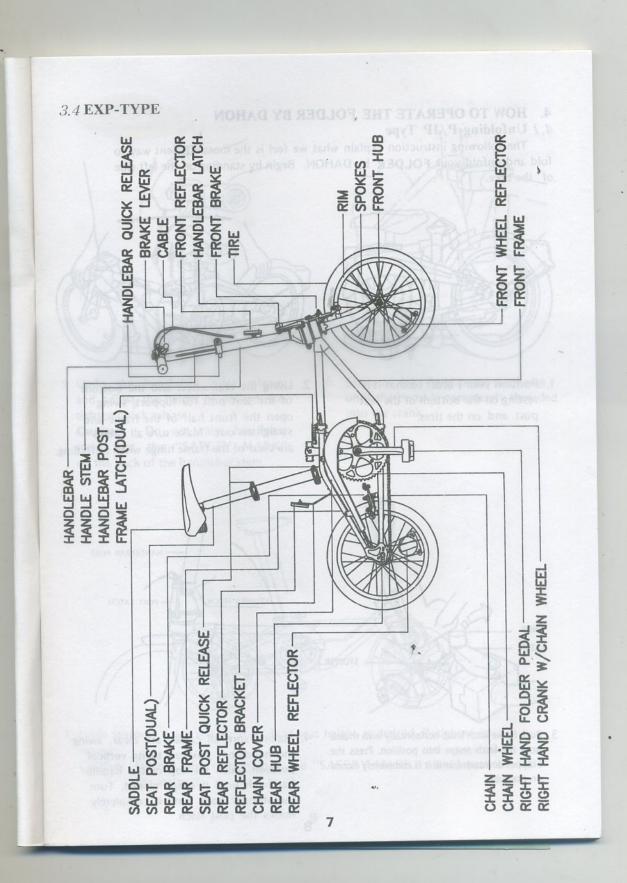
Almost all jurisdictions require use of pedal, wheel, front, and rear reflectors. An adequate electric head-lamp is usually required for riding after dark.

An electric tail-lamp, even if not required, is recommended for your safety and visibility. The use of light colored or reflective clothing is also strongly advised. A Dynamo Light Set can be purchased from your local DAHON dealer.

3. PARTS DESCRIPTION OF THE FOLDER BY DAHON 3.1 **P-TYPE** FRONT HUB HANDLEBAR QUICK RELEASE FRONT REFLECTOR HANDLEBAR LATCH FRONT WHEEL REFLECTOR SPOKES FRONT BRAKE BRAKE LEVER FRONT MUDGUARD FRONT FRAME CABLE FRAME LATCH HANDLEBAR POST HANDLE STEM-HANDLEBAR -SEAT POST QUICK RELEASE REAR WHEEL REFLECTOR RIGHT HAND CRANK REAR REFLECTOR REAR MUDGUARD CHAIN COVER-PEDAL SWIVEL REAR BRAKE CHAIN WHEEL REAR FRAME SEAT POST REAR HUB PEDAL(R) -SADDLE CHAIN



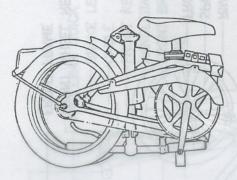




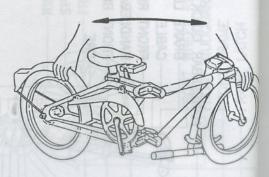
4. HOW TO OPERATE THE FOLDER BY DAHON

4.1 Unfolding-P/JP Type

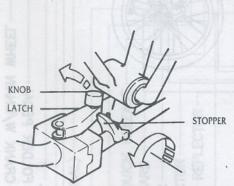
The following instruction explain what we feel is the most efficient way to fold and unfold your FOLDER by DAHON. Begin by standing on the left side of the bike.



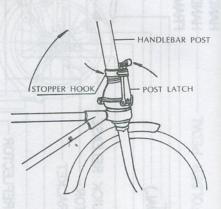
 Position your Folder so that it is resting on the bottom of the seat post and on the tires.



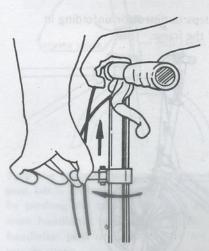
2. Using the rear wheel and the bottom of the seat post for support, swing open the front half of the frame and straighten out. Make sure all cables are clear of the frame hinge when unfolding



 Push frame latch knob horizontally with thumb until the latch snaps into position. Press the Stopper downward until it is completely closed on the tube.

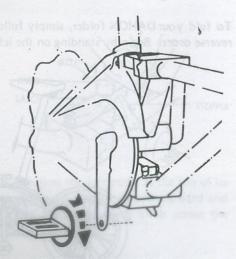


4. Making sure all cables are clear, swing the handlebar post up to its vertical position. Push the top of the handlebar latch until it snaps closed. Turn the stopper hook until it completely hooks the post latch.

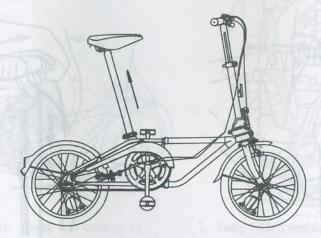


 Undo the handlebar quick release, and adjust the height as desired. Retighten quick release.

Caution: Do not raise handlebar stem past the "SAFETY MARK" on the back of the handlebar stem.



6. Screw in right hand pedal clockwise until the pedal is completely threaded into the crank.

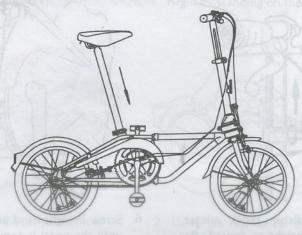


7. Undo seatpost quick release and adjust seat height as desired. Retighten quick release.

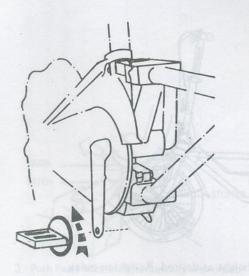
Caution: Do not raise seatpost past the "SAFETY" MARK" on the back of the seatpost.

4.2 Folding-P/JP Type

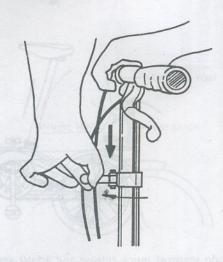
To fold your DAHON folder, simply follow the steps outlined for unfolding in reverse order. Begin by standing on the left side of the frame.



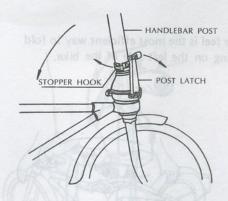
1. Undo seatpost quick release and lower seat. Retighten quick release.



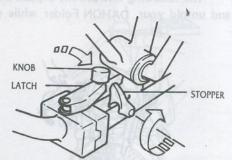
2. Unscrew right hand pedal.



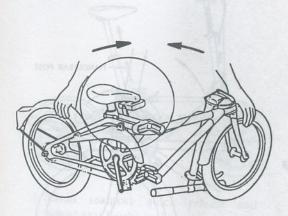
3. Undo handlebar quick release and lower handlebars. Retighten quick release.



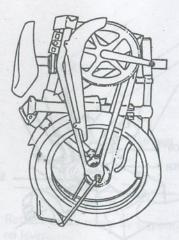
4. Turn the stopper hook away from the post latch. Unlock handlebar post latch by pushing the top of the latch away from handlebar post. Swing down handlebar post until handlebars are upside-down.



5. Position the left pedal at the top of its stroke to flip the stopper upward and pull the frame latch knob across the frame to open.



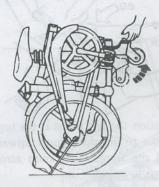
 Using the rear wheel and bottom of the seatpost for support, swing the front half of the frame back until the wheels are side by side.



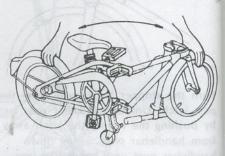
7. Fully folded position.

4.3 Unfolding-EDP3/EP Type

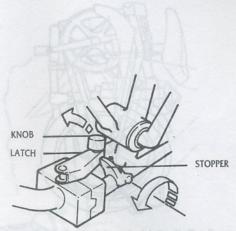
The following instructions explain what we feel is the most efficient way to fold and unfold your DAHON Folder while standing on the left side of the bike.



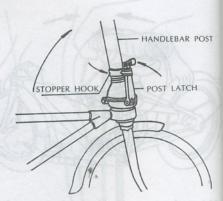
 Flip out the caster wheel, pull the metal lever by hand.



2. Using the rear wheel and the caste wheel for support, swing open the front half of the frame and straighter out. Make sure all cables are clear the frame hinge when unfolding.



 Push frame latch knob horizontally with thumb until the latch snaps into position. Press the Stopper downward until it is completely closed on the tube.

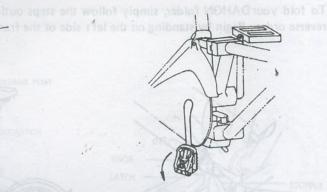


4. Making sure all cables are clear, swithe handlebar post up to its vertical position. Push the top of the handlebar latch until it snaps closed. Turn the stopper hook until it completely hooks the post latch.

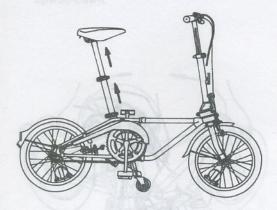


 Undo the handlebar quick release, and adjust the height as desired. Retighten quick release.

Caution: Do not raise handlebar stem past the "SAFETY MARK" on the back of the handlebar stem.

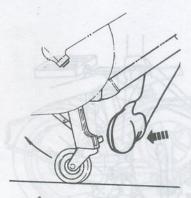


6. Swing the right hand pedal down with your hand.



7. Undo seatpost quick release and adjust seat height as desired.

Caution: Do not raise seatpost past the "SAFETY MARK" on the back of the seatpost.

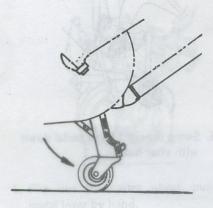


8. Retract caster wheel by stepping down on lever.

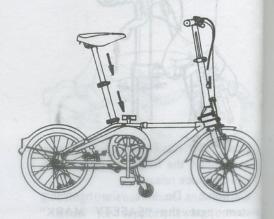
Caution: Failure to retract the caster wheel before riding can seriously damage it.

4.4 Folding-EDP3/EP Type

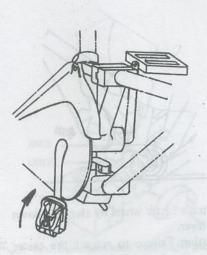
To fold your DAHON folder, simply follow the steps outlined for unfolding in reverse order. Begin by standing on the left side of the frame.



1. Flip out the caster wheel, pull the metal lever by hand.



2. Undo seatpost quick release and lower seat. Retighten quick release.



3. Fold up the right pedal.

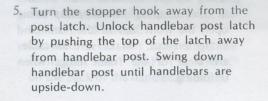


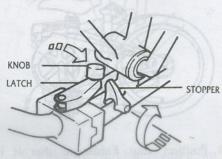
4. Undo handlebar quick release and lower handle bars, retighten quick release.

HANDLEBAR POST

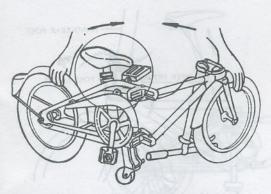
STOPPER HOOK

POST LATCH

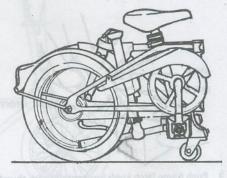




6. Position the left pedal at the top of its stroke to flip the stopper upward and pull the frame latch knob across the frame to open.



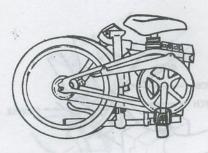
7. Using the rear wheel and the caster wheel for support, swing the front half of the frame back until the wheels are side by side.



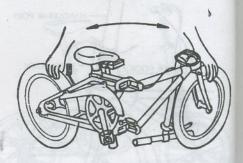
8. Fully folded position.

4.5 Unfolding-EXP Type

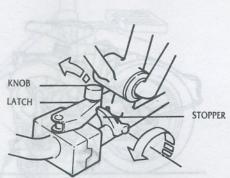
The following instruction explain what we feel is the most efficient way to fold and unfold your FOLDER by DAHON. Begin by standing on the left side of the bike.



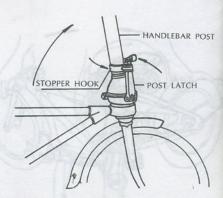
1. Position your Folder so that it is resting on the bottom of the seat post and on the tires.



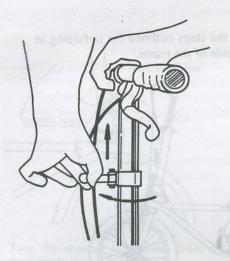
 Using the rear wheel and the bottom of the seatpost for support, swing open the front half of the frame and straighten out. Make sure all cables are clear of the frame hinge when unfolding.

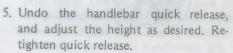


 Push frame latch knob horizontally with thumb until the latch snaps into position. Press the Stopper downward until it is completely closed on the tube.

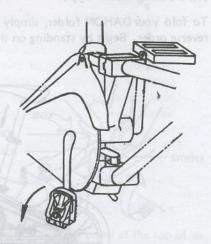


4. Making sure all cables are clear, swin the handlebar post up to its vertical position. Push the top of the handlebar latch until it snaps closed. Turn the stopper hook until it completely hooks the post latch.

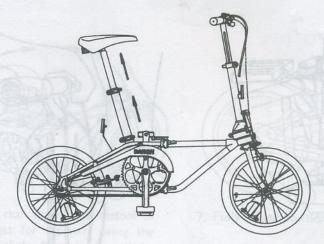




Caution: Do not raise handlebar stem past the "SAFETY MARK" on the back of the handlebar stem.



6. Swing the right hand pedal down with your hand.

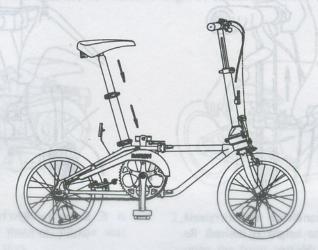


7. Undo seatpost quick release and adjust seat height as desired. Retighten quick release.

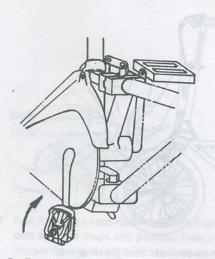
Caution: Do not raise seatpost past the "SAFETY MARK" on the back of the seatpost.

4.6 Folding-EXP Type

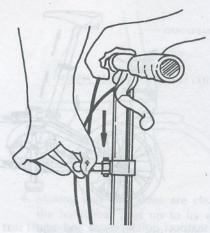
To fold your DAHON folder, simply follow the steps outlined for unfolding in reverse order. Begin by standing on the left side of the frame.



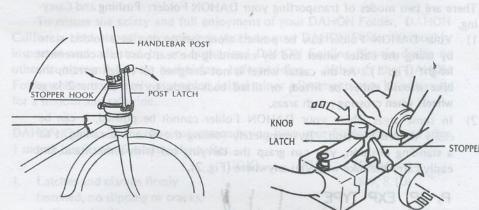
1. Undo seatpost quick release and lower seat. Retighten quick release.

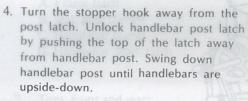


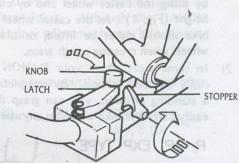
2. Fold up the right pedal.



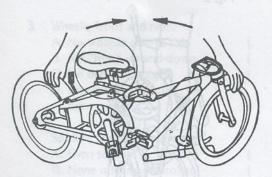
3. Undo handlebar quick release and lower handlebars. Retighten-quick release.



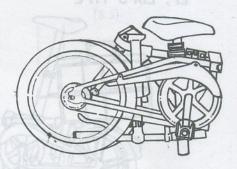




5. Position the left pedal at the top of its stroke to flip the stopper upward and pull the frame latch knob across the frame to open.



6. Using the rear wheel and bottom of the seatpost for support; swing the front half of the frame back until the wheels are side by side. compactly (s) dg. standing or leaning in all sorts of small convenient places. It



7. Fully folded position.

space measuring at least 10" x 18" x .28".

4.7 Transporting

There are two modes of transporting your DAHON Folder: Pushing and Carrying.

- 1) Your DAHON Folder can be pushed along beside you in a folded state by using the caster wheel and by extending the seat post to a convenient height (Fig. 1). As the caster wheel is not designed for rough terrain, the bike should either be lifted, or tilted backwards, to run on the 2 large wheels when crossing rough areas.
- 2) In some areas where your DAHON Folder cannot be pushed, it can be easily carried by hand. By completely folding the bike and raising it to a standing position, you can grasp the carrying bar with either hand and easily carry the bike with you anywhere (Fig. 2).

P, JP, EXP TYPE



EP, EDP3 TYPE



Fig. 2

Your DAHON Folder in its folded state is very portable and can be placed compactly lying, standing or leaning in all sorts of small convenient places. It is easily fitted under bus seats, subway seats, in car trunks, lockers, and any space measuring at least 10" x 18" x 28".

5. SAFETY AND PARTS INSPECTION

To ensure the safety and full enjoyment of your DAHON Folder. DAHON California. Inc. strongly recommends you have your DAHON Folder thoroughly inspected and adjusted by an Authorized DAHON Folding Bicycle dealer or other competent bicycle technician, before riding. Although the DAHON Folder comes completely assembled, initial minor adjustments may be necessary for a smooth and safe ride.

DAHON California, Inc. also recommends you have your Folder inspected after 1 month, and every 6 months thereafter.

		(OK)	(FIX)	(Ref. Sec.)
1.	Latches and clamps firmly			(8.9, 8.10)
	fastened, no slipping or cracks.			
	A. Frame latch	()	()	
	B. seat post clamps	()	()	
	C. Handlebar clamp	()	()	
	D. Handlebar post latch	()	()	
			Shidon's	
2.	Tires, front and rear:			(8.6)
	A. Inflation pressure (50 psi)	()	()	ad oran gament
	B. Valve straight	()	() 00	
	C. Adequate tread, no cuts	()	()	
	D. No uneven wear, bulges	()	(100)	
	E. Properly seated on rim	()	(T)	
3.	Wheels, front and rear:			(8.5)
	A. No wobble side-to-side	()	()	. Hightened brake
	B. No "hop" up-and-down	()	()	
	C. No dents or bulges	()	()	
	D. Freedom of rotation, no			I. No cracks or ben
	tight spots	()	()	
4.	Spokes, front and rear:			(8.5)
	A. Even tension	()	(*)	w 19 shiggils ovi
	B. None missing or broken	()	()	TWO STREETS OF EXC
	1/12. Thereby fastured at proper			
5.	Frame, fork and post:			(8.9, 8.12)
	A. No bent components	()	()	also i de la serio de
	B. No cracks	()	()	
		A Land		

	C. No gaps between components	CTION			
	D. Post movement firm,	Mon, D			
	smooth — no wobbling	To Just	1	/ \	
	E. Knob	M. SWALL	o spe		
	E. KIIOO	HA Quita	u baire	A (see) del	destailmend, adjuster
6.	Brakes, front and rear:				(8.3)
	A. Mounted properly, no loose			Stationers An	a smooth and safe r
	bolts or parts	()	()	
	B. Shoes grip firmly, no				
	slipping	()	()	
	C. Release action solid, equal			()	
	D. No excessive wear		1	()	
	E. No rubbing at any point	14	1	/	
	F. No broken or kinked cables		1	NO TO SI	
	G. Cables attached properly		1	()	
	G. Cables attached property	(/	()	
7.	Steering and handlebar:				(0.12)
	A. Smooth action of steering				(8.12)
	head bearing	,	1	1 1	
			/	()	
	B. Firm, not loose or binding	,	1		
	steering head bearing	1201)	(100) s	
	C. No play in handlebar post,		Man.	/ \	
	or handlebar)	(studen	
	D. Adjusted to proper height		17.7	eugtud .	
	and latched	-	1)	(,,)	
	E. Properly positioned brake				
	and gear controls	()	()	
	F. Tightened brake and gear				
	cables and mounts	()	()	
	G. Smooth telescope action	()	()	
	H. No cracks or bent members	()	()	
8.	Saddle and post:			SZHARE	(8.8)
	A. Properly adjusted)	()	
	B. No slipping or wobbling	201)	().	A. Even rendon M.
	C. No cracks or excessively				
	worn parts	()	()	
	D. Not excessively extended	()	()	
9.	Pedals, left and right:				
	A. Firmly tightened into crank	()	()	no concept statem.
	B. Bearings turn smoothly	()	()	
	willy referred structure from another con-	STREET, SQUARE		THE SHAPE	

10	Crank, chain wheel, and					(8.13, 8.14)
10.	bottom bracket bearings:					(0.13, 0.14)
		1	1	(1	
	B. No loose or wobbling parts,					
	pins secure	()	(he proper adjustment
	C. No bends or cracks	(1	()	
	D. Firm, but not binding,	,	,	THE STATE OF	1	
	bottom bracket bearings	1	1	1	1	
	E. No worn, broken or bent	1	/	1	/	
	teeth					
	rmanue The then thou land the	,	W w		w lates	
11	Hubs:					(8.4)
5000	A. Mounting nuts properly					same must be used
	tightened	1)	1	1	
	B. Cog straight; no broken,	00 5	akusis	obers	nuco	
	The state of the s	(1018	()	djusted, they will and
	C. Smooth spinning action	(1	(1	
	D. Locking nuts & sleeves	,	,	,	1	
	properly tightened	1	1	1	1	
	Appropries an arrange and a series and a ser	1000	own th	with	strains	
12.	Chain:					(8.14)
	A. Properly lubricated	()	()	he redicitors will be deep
	B. Attached securely, not too	ste a	nd re			
	loose or tight	()	10)	
	C. Not rubbing against frame or		d bra	king b	rtest	
	guard	()	()	
	DAHON strongly recommends in	die	wear	i dia	d shi	
13.	Mudguards:					(8.15)
	A. No cracks					
	B. No rubbing	()	()	
14.	Carrier:					
	A. No cracks	()	()	
	B. Securely fastened	()	91)	
						The brakes are on
	Reflectors:					(8.16)
	A. Clean	()	()	
	B. Tightly fastened at proper	I HAR	kg, sa	escuan	arkis	
	B. Tightly fastened at proper angles	()	()	

Warning: To avoid possible injury, all faulty points that can affect safety must be corrected before riding.

6. POINTS OF SPECIAL ATTENTION

Before each ride, special attention should be given to the following areas. If any one of these areas need adjustment, the bicycle should not be ridden until the proper adjustment is made.

6.1 Quick Releases

Make sure the seat post and handlebar quick releases are secure before riding. A properly adjusted quick release should allow the seat post and handlebar post to slide easily when opened. When closed, the seat post will support a rider up to 250 pounds, and will hold the handlebars securely.

To adjust, open the quick release lever and turn thumb nut clockwise to tighten its "grip," or counter-clockwise to loosen. Once the quick releases are adjusted, they will only need occasional adjustment and checking.

6.2 Frame Latch

Although the frame latch will not come unlocked during riding, it must be periodically adjusted to account for wear. To check the frame latch, close the latch. If it does not lock with TENSION, it must be adjusted. See Sec. 8.9 for adjustment procedure.

Warning: Always make sure the latch is locked before riding.

6.3 Handlebar Latch

The handlebar latch is much like the frame latch, it will not release while riding but must be periodically adjusted for wear. If the handlebar latch does not snap close with tension, it must be adjusted before riding. See 8.10 for adjustment procedures.

6.4 Brakes and Braking

The brakes are one of the most important parts of your DAHON Folder. Before your initial ride, you should familiarize yourself with the position of the brake lever(s). The right hand lever controls the fear brake while the left hand lever controls the front brake. For the most stopping power, use both brakes at the same time.

To be sure that your brakes will work well when you really need them, check them before every ride. To check the brakes squeeze each brake lever firmly. If either one touches the handlebar grip, the brake(s) need adjustment. See 8.3 for complete brake check list.

Warning: Never slam on the front brake as it may cause the rider to fall and result in possible injury. Also do not brake when standing on the pedals. Be extremely careful when braking on slippery or wet conditions.

6.5 Tire Inflation

Prior to riding the DAHON Folder, the tire pressure must be checked. The basic pressure required is molded onto the tire. However, a little more pressure may be required for a heavier person, while a little less may be needed or a person of small stature. If your tire pressure is significantly below the basic range or you feel that the tires do not support your weight well, it is best to use a hand pump to pump in additional air. Gas station pumps supply too much air too quickly and may rupture your tire tube. If a gas station pump must be used, however, add air into the tire in small spurts until the desired pressure is reached.

6.6 Getting the "Feel" of the Bike

Your Dahon Folder is a high performance bicycle designed for commuting and recreational use on paved roads. (Warning: Fast riding on unpaved areas could result in mechanical damage and bodily injury). Although your Dahon Folder is easy to ride for people of all ages and sizes, riders should be aware that the Dahon Folder is more maneuverable and responds faster than the typical large wheel bicycle and will require some initial familiarization. You can get the "feel" for the Dahon's steering, handling, and braking by testing the bicycle on a flat open area.

DAHON strongly recommends riders wear a hard shell helmet, brightly colored clothing and shoes when riding. At night, use lights and reflectors. In wet weather, allow more distance for stopping.

It is also recommended that you practice folding and unfolding your DAHON Folder so you can do it quickly and efficiently. After sufficient practice, you should be able to fold or unfold your DAHON Folder in 10–20 seconds.

6.7 Five and Three Speed Models: When to Shift

The purpose of a five speed model and the three speed internal hub model is to allow the rider to maintain consistent pressure and pace on the pedals despite changes in terrain.

When riding flat terrain on a five speed, choose one of the middle gears for easy pedaling with moderate pedal pressure. For the three speed, choose second gear.

When encountering hills on a five speed, a lower gear (bigger in size) should

be chosen. For the three speed, choose first gear.

It is best to shift gears before getting to the incline of the hill. If shifting is delayed, the extreme pressure on the pedals will make it difficult or even impossible to shift into a lower gear.

For a faster pace, choose a higher gear (smaller in size) on a five speed. For the three speed, choose third gear.

The key to proper shifting of either the five speed derailleur model, or the three speed internal hub model, is to find the most comfortable pedaling speed and effort to suit the rider in a specific terrain.

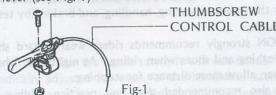
6.8 Shifting the Five Speed Derailleur Model

Shifting the DAHON five speed is not difficult. Once the rider has practiced for a short period of time, he or she will have the "feel" for the gears and will be able to anticipate gear changes.

To shift the derailleur, ease up on the pedal pressure, but keep the pedals and wheels in motion. Move the shifter until the desired gear is selected, pull the shifter back for low gears, push forward for high gears. Minor adjustments can be made with the shifter so that the chain runs quietly.

If the chain is rattling or making grinding noises, the gear change is not complete. You must finish the gear change by making minor adjustments with the shifter until the chain runs smoothly.

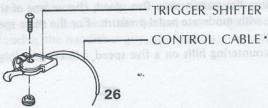
If the shift lever fails to stay in position, tighten the screw or thumbscrew at the center of the shift lever (see Fig. 1)



6.9 Shifting the Three Speed Internal Gear Hub

To shift the DAHON three speed, continue pedaling, but ease up on pedal pressure. Using the trigger shifter, select the desired gear. Begin pedaling in the new gear selection.

Warning: Never ride your bike with the derailleur or three speed hub improperly adjusted. Riding your bike when the gears "skip" may cause the rider to fall. Continued use of a misadjusted derailleur or three speed hub may also cause irreparable harm to the units.



6.10 Rules of the Road

There are 12 basic rules of cycling in the U.S. You should contact your local law enforcement officials for any additions to these rules.

Warning: Failure to obey these rules of the road could result in injury to the rider or to others.

- Obey state and local traffic regulations, signs, and signals.
 Check with your local police on bicycle licensing, inspection, and riding on sidewalks.
- Keep to the right except for left turns.
 Ride with traffic, not against it. Ride single file in a straight line. Ride as
 close as possible to the curb, but at a distance which still gives room for
 maneuvering.
- 3. Watch for car doors opening.

 Always be prepared to stop or turn quickly if necessary. Watch for and anticipate cars. When riding on or near the sidewalk, watch for cars and other bikes that pull into or out of driveways. Do not assume that you have been seen.
- Use hand signals for turns or stops.
 Advise motorists what you plan to do by giving proper signals 100 feet before turning or stopping.
- Be extremely careful at intersections.
 If traffic is heavy, walk your bicycle with pedestrian traffic. Look both ways when crossing streets and observe approaching cars.
- 6. Avoid: drain grates, soft road edges, gravel or sand, leaves (especially when wet), wet and raised manhole covers, pot holes, ruts, uneven paving and any other road surface hazards.
 - Avoid these hazards to prevent loss of control or damage to your wheels. Cross railroad tracks at right angles to prevent loss of control.
- 7. Use extreme caution at dusk and at night.

 Be thoroughly familiar with the controls on your bicycle. Ride only when necessary at night and avoid heavy traffic. Vision is quite limited at dusk and at night, so be very careful to avoid any road hazards. Make sure your bicycle is equipped with properly positioned and clean reflectors on pedals and side reflectors on wheels. The purchase and installation of an adequate head-light and tail-light is strongly recommended and required by law in most areas. Wear light-colored or reflective clothing. Ride slowly and ride only on streets familiar to you. Check local laws regarding riding at night. Do not let a coat or other clothing hang down and cover your rear reflector.
- 8. Use extra caution in wet weather. Ride slowly on damp surfaces as tires will slip easily. Apply brakes sooner than normal as a greater stopping distance is required, especially if your brake shoes are wet.

Warning: If the front brake is applied too strongly, the bike might flip forward.

9. Give pedestrians the right-of-way, make a sound loud enough to alert any pedestrians that you want to pass.

Do not ride too close to pedestrians. Don't park your bicycle where it will get in someone's way.

10. Don't

- Carry passengers
- Carry items or attach anything to your bicycle that might hinder your vision or control.
- Hold onto or attach your bicycle to any car, truck, or other vehicle in order for it to pull you along.
- Carry extra clothing where it can hang down and jam the wheel.
- Ride with both hands off the handlebars.
- Wear head phones.
- 11. Ride a safe bicycle and wear proper clothing.

Make sure your bicycle fits you and that all parts, especially the brakes, are adjusted and working properly. Make sure loose fitting clothing (especially your right pants leg) does not catch in moving bicycle parts.

12. Watch out for the other guy, ride defensively.

Watch the car or bicycle in front of you and be prepared to take defensive action. Don't follow a car or another bicycle too closely.

Be especially aware of traffic approaching from behind in case you must swerve to avoid something.

Warning: This bicycle has been designed for general transportation and recreational use. It has not been designed to withstand abuse associated with stunt riding and jumping or organized competitive events. The user is warned that he assumes risk for injuries, losses and damage from such uses.

7. GENERAL MAINTENANCE AND CLEANING, CARE FOR ALL FOLDERS by DAHON

7.1 Maintenance

In addition to the before-riding "Safety and Parts Inspection" a thorough inspection of all inner and outer working parts should be performed by a professional bicycle dealer every 6 months. Regularly scheduled inspections are recommended for the safe use of the Folder by DAHON.

7.2 Cleaning and Care

Because of the great deal of contact between you and your bike, your clothing and hands are likely to get soiled if the bike is coated with oil and dirt. To prevent this from happening, carefully clean the bike of dirt and oil deposits. The use of solvents and other cleaners will help dislodge dirt and oil. Use a soft rag and a toothbrush to thoroughly clean all parts of the bike. After you ride

through particularly dirty and dusty areas or a rainstorm, the chain should be given special attention. If you own a chain breaker tool, the chain can be removed entirely for cleaning. To keep your bicycle looking brand new and to keep dirt from adhering, it is recommended that you use a high quality car wax on your bicycle.

To keep your bike running smoothly, it is necessary to lubricate all the moving parts. Thoroughly clean the parts to be lubricated, and remove all foreign particles. Light oil of SAE 20 consistency can be used as a lubricant for most parts. Frequency of lubrication depends on the amount of use and weather encountered.

Warning: Do not use gasoline for cleaning. Avoid fumes and clean outdoors if possible.

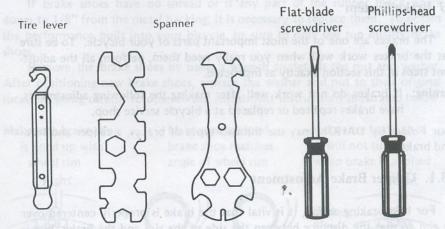
Caution: Do not allow any solvent or oil to get on the wheels or caster wheel; if you do, clean immediately.

8. ASSEMBLY, ADJUSTMENT AND TROUBLE SHOOTING

8.1 Tools

Your Folder is shipped completely assembled and with air in the tires. Your dealer should check each point in the safety list, but you will wish to have some tools for subsequent adjustment and safety checks (a minimum shown below).

For your convenience, we sell a tool set.



8.2 Nut and Bolt Tightening Guide

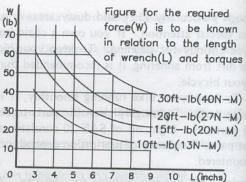
Nuts and bolts must be adequately tightened for strength and security, but not overtightened to the point of failure, or crushing or expanding tubes. The length of wrench, times the force applied at the end of the wrench, gives the torque applied measured in inch-pounds.

Typical Examples:

8mm or 5/16" thread: 200-220 IN-IBS. 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

5mm Brake Cable and Shoe: 120 7mm Crank Cotter Nut: 180-190 Front Wheel Nut: 200-220

Rear Wheel Nut: 250-280



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.

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

Warning: DAHON California strongly recommends you take your DAHON Folder to an Authorized DAHON dealer or other qualified bicycle service technician for all adjustments.

8.3 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.

Your Folder by DAHON may use the two types of brakes, a caliper and foreband brake.

8.3.1. Caliper Brake Adjustment

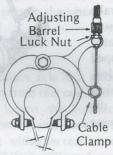
For best braking action, it is vital that the brake is properly centered over the rim so that the distance between the side of the rim and the brake shoe is 1/16 of an inch.

To center the brake, slightly loosen the mounting nut, and tap the return spring down on the side of the brake that is farther away from the rim. Retighten the mounting nut when brake is centered.

If mounting nut or bolt is stripped or bent, and cannot be tightened properly, it must be replaced immediately.

To adjust the caliper so that the brake shoes are 1/16 of an inch from the rim, loosen the adjusting barrel lock nut. Unscrew adjusting barrel counterclockwise until properly adjusted. Retighten locknut.

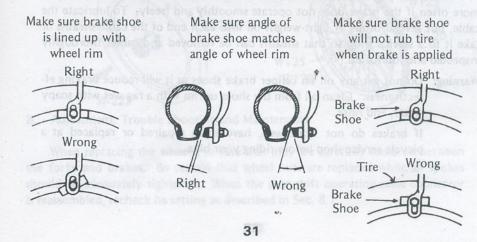
If there still is too much clearance between the brake shoes and the rim) the cable will have to be readjusted at the anchor bolt. Screw barrel adjuster all the way in and loosen the anchor bolt. (The anchor bolt is the bolt on the caliper that holds the brake inner wire). With your hand, squeeze the caliper together and at the same time, pull the slack out of the cable with a pair of pliers. Retighten anchor bolt. If it is still not close enough to the rim, readjust the barrel adjuster. Recheck tightness of anchor bolt.



8.3.2 Changing and Adjusting Brake Shoes

If brake shoes have no thread or if any part of the rubber block wears down to 1/8" from the metal backing, it is necessary to replace them. To obtain the performance built into your bicycle, be sure to only use top quality brake shoes.

Remove the brake shoes by using a wrench to detach the nut and washer. After positioning new brake shoes, replace the washer and nut to their original location, being careful to observe the adjustment instructions illustrated below.



8.3.3. Adjustment of Brake Levers

Brake and gear control levers must be fixed into a specific position for proper folding of Folder by DAHON. If they, are moved out of their proper position they will interfere with folding and unfolding. To adjust a lever, simply loosen the mounting nut and maneuver to the proper position. Always be certain that mounting nuts are tight — if levers can be budged with moderate force, they must be further tightened.

There is a metal anchor fastened to the end of the cable wire which fits inside the brake lever. You'll have to look up under brake lever to see the anchor. Make sure that each anchor is properly seated in its recess, and has not jumped out. If anchor is out of position, squeeze caliper arms in against wheel rim in order to slacken the cable wire and allow repositioning of anchor.



Firmly squeeze each brake lever and, if either one touches the handlebar grip, recheck cable adjustment.

8.3.4 Other Maintenance and Lubrication

It is important to often check the brake cables for broken strands. If the cable wire is rusted or the cable sheath (covering) is bent and can't be straightened without damaging the cable, it is necessary to replace the brake cable at once.

The brake pivots and cable should be lubricated once every 4 months, or more often if the brake does not operate smoothly and freely. To lubricate the cable, put several drops of light-weight oil into each end of the cable sheaths or take it to a service shop so that sheaths can be removed and cables thoroughly inspected and lubricated.

Warning: Do not get any oil on caliper brake shoes as it will reduce braking effectiveness. Clean oil from the shoes or rim with a rag wet with soapy water, and rinse.

If brakes do not work well, have them repaired or replaced at a bicycle service shop before riding your bike.

8.4 Hubs

Inner hub parts are a precise combination of delicate components. If there is any doubt concerning your hubs, take your bike to a professional dealer for servicing. For a 3-speed version, the rear 3-speed gear hub, however, may require some adjustments which can be performed by closely following the steps listes below.

8.5 Wheels (Including Spokes and Rims)

Disassembly: To remove the front wheel, turn the bicycle upside down, remove the outer nuts and safety washers on both sides of the axle, carefully spread the fork blades out, and remove the wheel.

8.5.1 To Remove The Rear Wheel

A. Disassembly

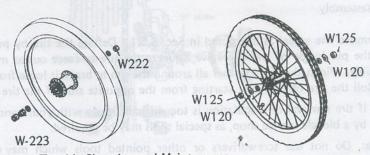
7.

For one speed models—Loosen axle lock nuts, push wheel forward in the frame drop outs. Remove chain from rear cog and withdraw rear wheel.

For three speed models loosen the indicator lock nut and completely unscrew adjusting barrel. Loosen axle lock nuts and push wheel forward. Remove the chain from the cog withdraw rear wheel.

For five speed models— Shift derailleur down to the bottom cog. Loosen derailleur hanger fixing bolt and axle nuts. Pull rear wheel and derailleur assembly away from frame.

Note: It may be necessary to remove one caliper brake shoe (see Sec. 8.3) before the tire will move out between the brake shoes.



B. Adjustment, Trouble Shooting and Maintenance

When replacing the wheels, be sure that they are carefully centered between the forks and brakes. Be certain that wheel nuts are replaced while all spokes should be adequately tightened. When the gear shift operating cable connector is reassembled, recheck its setting as described in Sec. 8.7.

Wheels should be regularly checked for "wobbling" from side to side, and "hop" being out of round or of unequal diameters. This misalignment can be detected best by turning the bicycle upside down, rotating the wheel while using our finger or a pencil placed next to the rim as a guide. Severe misalignment will cause the tire to intermittently rub against the fork, or the rim against the brake shoe.

Warning: Wheel misalignment will lead to grabbing or failure of braking power, and should be corrected at once.

8.5.2 Alignment or "Truing" wheels

To correct this problem, first check the rim to make sure it is not dented or twisted. If it is, take the wheel to a dealer for specialized repair or replacement.

Uneven spoke tension, or missing, bent or broken spokes, will also cause the wheel to be out of the true. Replace damaged and missing spokes, and with a spoke wrench or small adjustable wrench, turn the nipples of loose spokes clockwise to achieve even tension. Then, if the wheel is off center to the left, tighten the spokes on the right, and loosen the spokes on the left. "Hop" is removed by tightening spokes on both sides of the high area. Final spoke adjustments should be done in small increments.

After this adjustment has been completed, if the wheel remains out of alignment, your bicycle should be taken to a professional dealer for servicing.

Caution: Do not attempt to true the wheels if you are not familiar with truing techniques. Misadjustment of spoke tension may irreparably harm the wheels.

8.6 Tires and Tubes

A. Disassembly

Remove the wheel as instructed in Sec. 8.5.1. Deflate the tire by pushing in on the pin inside of the tire valve, squeeze the tire to force out as much air as possible. Pinch the tire together all around the rim to break it loose from the rim. Roll the tire off the rim, starting from the opposite side of the tire valve.

Note: If tire removal or installation is too difficult to do with your hands, have it done by a bicycle service shop, as special tools may be required.

Caution: Do not use screwdrivers or other pointed tools which may damage tire, tube or rim.

Before installing the tire, make certain that the rubber rim strip is not damaged and covers all spoke ends. File down any spoke ends projecting out from the spoke nipple. Check the inside of the tire for damage and any object

that might puncture the inner tube.

Then, inflate the tube lightly to help keep it in the tire and gradually push one side of the tire onto the rim, again starting from the side opposite the inflation valve. Pull the valve firmly through the valve hole in the rim, and install the other side of the tire starting at the inflation valve. If the valve does not project straight out of the rim hole after the tire is installed, slide the tire around the rim until it is properly positioned.Inflate the tire slightly and then release air to straighten out the inner tube. Then inflate tire as instructed in Sec. 6.5 of this manual

8.7 Gear Adjustments

If you are not familiar with five speed derailleurs or three speed internal gear hubs, DAHON California recommends you take your DAHON Folder to an Authorized DAHON dealer or qualified bicycle technician for adjustment and service.

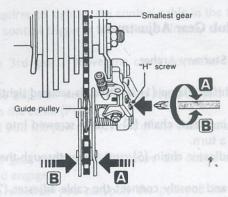
If you must adjust it yourself, carefully follow the instructions below.

8.7.1 Five Speed Derailleur Adjustment

If all five gears cannot be engaged smoothly, or if the chain goes past the top or bottom gear when shifting, the derailleur will have to be adjusted.

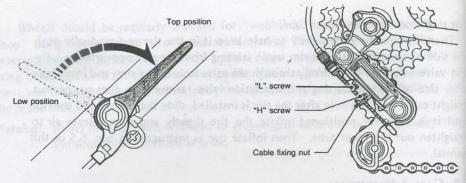
A. Stroke adjustment at H(top) side

Use the "H" screw to adjust so that the guide pulley moves to directly below the smallest gear.



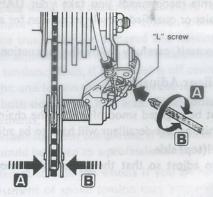
B. Cable attachment

Set the shifting lever to the top position, take up slackness in the cable, and tighten the cable fixing nut.



C. Stroke adjustment at L(low) side

Set the shifting lever to the low side, and use the "L" screw to adjust so that the chain doesn't fall, and so that there is no noise.



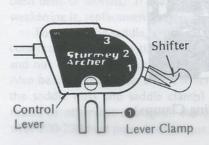
8.7.2 Three Speed Hub Gear Adjustment

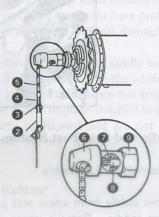
A. Gear Adjustment - Sturmey Archer

- 1. Check that the shifter clamp (1) if fitted, is secured tightly to the handlebar.
- 2. Ensure that the indicator chain (5) is fully screwed into the axle. Turn back a maximum of half a turn.
- 3. check that the indicator chain (5) runs freely through the indicator protector (6) if fitted.
- 4. Select third gear and loosely connect the cable adjuster (2) onto the indicator coupling (4).
- 5. Select second gear position on the gear control. Looking through the "window" in the right-hand axle nut (9), turn the cable adjuster (2) until the end of the indicator rod (8) is exactly level with the end of the axle (7).
 - 6. Tighten the locknut (3) against the adjuster (2).

Note: If attention to the above does not enable all 3 gears to be obtained, please contact your DAHON dealer or qualified bicycle technician for adjustment and service.

Warning: The hub must not be ridden out of adjustment as this may damage the internal parts, and cause the hub to malfunction.

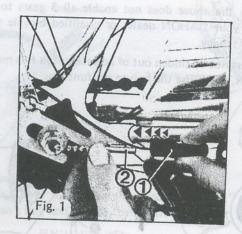




B. Adjusting - Sachs

Adjusting requires to tighten the control cable in the third gear so that each movement of the control trigger is transmitted directly to the hub.

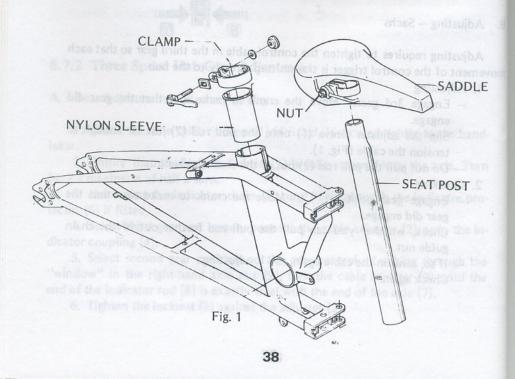
- 1. Adjusting
 - Engage 3rd gear. Move the crank to make sure that the gear did engage.
 - Slip the adjuster sleeve (1) onto the pull rod (2) just far enough to tension the cable (Fig. 1).
 - Do not pull the pull rod (2) out of the chain guide nut.
- 2. Checking
 - Engage gear position "1". Move the crank to make sure that the gear did engage.
 - Check, whether you can pull the pull rod further out of the chain guide nut.
 - If so, tension the cable again, see 1. adjusting.
 - Check again.



8.8 Saddle and Seat Post System (Excluding Clamps)

A. Disassembly and Assembly

Remove saddle from upper seat post, by loosening saddle nuts and tapping upwards on saddle. Remove upper seat post tubes by loosening quick-release clamp bolts. (See Fig. 1)



B. Adjustment, Trouble Shooting and Maintenance

Durable nylon sleeves (F300-M) have been placed between the sliding seat posts and their respective seat post clamps. In order to keep the seat posts aligned, these nylon sleeves have an extrusion which fits into the groove built into the seat post. If these sleeves become worn or cracked, they must be replaced.

If clamps are all properly adjusted and nylon sleeves in good condition, but the seat post fails to slide smoothly, one or more of the seat posts have probably been bent or dented. If the piece cannot be straightened without damaging or weakening it, replacement is necessary.

To adjust the saddle, simply loosen the saddle nut, adjust the saddle to your comfort, and retighten the nut. For your safety, make sure that the addle bolt and nut are not bent, rusted, excessively worn and that threads are not stripped. Also be certain that the braces which clamp the saddle in place (located between the saddle nuts and saddle clamp) are properly positioned and are not bent, rusted or otherwise damaged. Always be certain the bolt is properly tightened with 200-220 foot pounds of torque.

8.8.1 Seat Post and Handle Post Quick Release

Disassembly

Remove in order the adjusting nut (H334M51), clamp bolt (H332M51, H331M52) and the square washer (H333M51). (See Fig. 1).

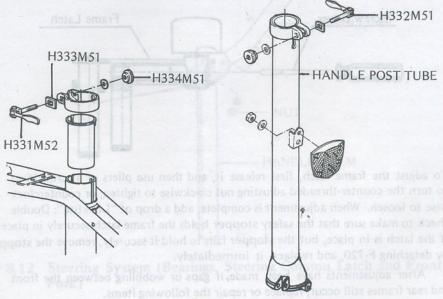


Fig. 1

After extended use, the inner working of the quick release clamp bolt may wear down to the point to where clamping action is limited. In such a case, it is necessary to replace the bolt, nut and washer. It may also be possible that the nylon sleeve inside of the tube may need replacement.

Warning: Always be certain that the clamps are secured and properly adjusted each time before riding your bike. (See Fig. 1)

8.9 Frame and Frame Latch

A. Disassembly

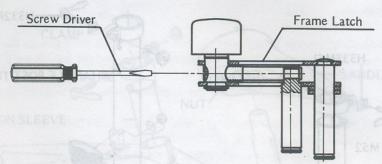
To disassemble the frame, first remove the various components attached to it, according to their various subsystems and disassembly instructions. Then, unlatch the frame latch assembly and turn the entire frame upside down. Remove the 2 C-clip retainers. Remove frame latch assembly by alternately tapping the 2 pins until the entire latch assembly is extracted downward.

To disassemble the frame latch, unscrew the rear pin and counter-threaded nut.

To separate the 2 halves of the frame, first remove the 2 nylon nuts (F620 M50), and then tap out the 2 pins (F610M50).

B. Adjustment, Trouble Shooting and Maintenance

The only component to adjust on the frame is the frame latch. When properly adjusted, the latch should not be able to pop open without first flipping the stopper (F710M53) upward. Moreover, the front and rear top lus should be flushed, with no gaps, and there should be no wobbling between the front and rear frames.



To adjust the frame latch, first release it, and then use pliers or a screwdriver to turn the counter-threaded adjusting nut clockwise to tighten, or counterclockwise to loosen. When adjustment is complete, add a drop of "Locktite". Double check to make sure that the safety stopper holds the frame latch securely in place. If the latch is in place, but the stopper fails to hold it securely, remove the stoppe by detaching F-720, and replace it immediately.

After adjustments have been made, if gaps or wobbling between the front and rear frames still occur, replace or repair the following items.

- A) Lug pins worn to a point where a tight fit no longer exists; bent.
- B) Nylon nuts or C-clips missing or loose.
- C). Counter-threaded adjusting nut bent, stripped or excessively worn.
- D) Safety-stopper (F710M53) loose or missing bolt and nut.
- E) Front/rear frames—out of alignment.

Warning: Never ride the DAHON Folder without first making certain that the frame is sturdy and latch functioning properly.

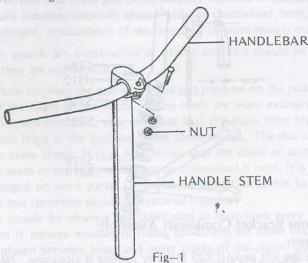
8.10 Adjusting the Handlebar Latch

Release the handlebar latch (H351) and let the handlebar rest in its folded position. Use hand to turn the adjustment screw (H352) clockwise to tighten, counterclockwise to loosen. The latch is properly adjusted when it closes with tension. After adjusting there should not be any looseness of the handlebar assembly.

8.11 Handlebar and Stem

Disassembly

Loosen the nut (H223M50) beneath the handlebar lug as shown in Fig. 1, until handlebar (H110M51) can be freely removed. The angular orientation of the handlebar is critical to proper folding of the bicycle. A scratch mark should be made before loosing the nut so as to return to the correct orientation.



8.12 Steering System (Bearings, Steering Column Latch and Front Fork)

A. Disassembly

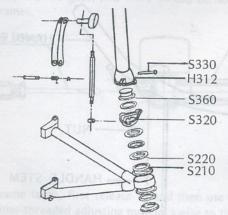
To remove the steering column, remove one of the 2 rings (S332M50) and tap the pin (S330P50) out from between the handle post (H312P50) base and steering coupler (S320M50). Unscrew the 2 lock nuts (S360P50), remove steering coupler, unscrew bearing adjusting nut (S220M50), remove the 2 ball bearings (S210M50) and unscrew front fork.

Note: When assembling, be sure that the bearing adjusting nut (\$220M50) is properly adjusted—not so loose that wobbling of the front fork exists, but not so tight that bearings are cramped and do not turn smoothly and freely.

B. Adjustment, Trouble Shooting and Maintenance

For adjustment, care and lubrication of the bearing head set (S-200), heed the same points mentioned concerning the bottom bracket bearing set.

If bearings are in good working condition and the brace is properly adjusted, there should be no movement in the steering column base when the handlebar brace is fastened. If play or gaps exist, check to make sure that the pin (S-330) is in its proper place, spring pin C-rings (S-332) are securely fastened, and lock nut (S-360) is tightened. If the problem continues, check and replace bent or worn parts, such as the base pin, steering coupler, steering column or front frame.



8.13 Bottom Bracket Crankshaft Assembly

A. Disassembly

Remove the left pedal (C320 M51) by turning it clockwise. Next, use lock ring pliers to remove the lock nut (A270M50), washer (A260M50) and bearing caps (A240M50) respectively.

8.13.1 Adjustment, Trouble Shooting and Maintance

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 throughly cleaned dried and regreased. This process should be done at least once every 6 months, or more 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 innerworking bottom bracket parts.

8.14 Chain and Chainwheel

Adjustment, Trouble Shooting and Maintenance

Check the chainwheel and free wheel to be sure that they are not bent. If one of the sprockets is bent, replace it or, if the deformation is not too severe, take it to a bicycle dealer to be straightened. If the chainwheel and cog are not in line. If problem persists, there is a possibility that the rear frame is out of alignment and your bicycle should be taken to a dealer for needed servicing.

If the derailleur is not aligned, adjust screw "H" for the small sprocket; screw "L" for the biggest sprocket. (see Sec. 8.7.1)

Always be certain that chain guards are securely fastened to the chainwheel. If the chain guard becomes unevenly spaced with the chainwheel, bent, cracked, or otherwise damaged, replacement of the damaged or worn item is mandatory.

Caution: Chain guards are constructed of plastic and care should be taken so that they are not damaged.

With the chain on, hold the rear wheel and put pressure on the pedals. Note the position of the chain on the teeth. If the teeth are worn excessively, or if the chain is worn and stretched, you will note that the chain rides high on the teeth, rather than lying in the bottom of the tooth spaces. The rear cog can be checked at the same time. If it is determined that the chain or sprockets are worn, or if any teeth or the body of the cog or chainwheel is bent, it is necessary to replace damaged or worn parts. If the above condition is due to excessive wear, the chain and sprockets should be replaced together.

The chain should be cleaned and lubricated at least once every 2 months and more often if adverse weather or riding conditions are often encountered. Oil should be placed between inner and outer plates of the chain. An efficient method of lubricating the chain is to remove it, clean it thoroughly, and lubricate it with SAE 20 oil.

8.15 Mudguards

A. Disassembly-front mudguard

Take off the nuts and washers on both sides of the axle, thus freeing the mudguard stay (M120M50). Unscrew the brake and mudguard mounting bolt extruding through the fork crown (S111M50) and remove the front brake and mudguard.

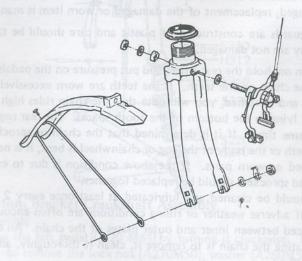
B. Disassembly-rear mudguard

Remove the rear wheel as described in Sec. 8.5.1. Then remove the two mounting bolts, thus releasing it from the rear frame.

C. Maintenance:

The mudguards are constructed of plastic, and special care should be take so as not to break or damage them. They have a fixed form — under no circumstance should this form be altered with pliers or other instruments!

Always be sure that mounting bolts are securely fastened. If the mudguard becomes cracked, chipped or broken, or if it rubs against the tire, replace it so as not to cause a hazard to the tire.



8.16 Reflectors and Lamps

A. Disassembly

Front, rear, pedal and wheel reflectors are easily removed by unscrewing their respective mounting bolts.

B. Adjustment and Maintenance

Be certain that mounting bolts are always properly tightened. Often clean your reflectors. If a reflector becomes cracked or otherwise damaged, replace it before riding your bicycle at night.

Although a head lamp may not be included with Folder by DAHON if you ride your bicycle at night, it is strongly recommended—if not required—that an adequate lamp be installed. So that the bicycle can be fully unfolded, this head-lamp must be easily removable. When attached, be certain that it provides ample lighting and is properly adjusted.

Caution: Never adjust reflectors with levers or pointed tools which may crack, scratch and otherwise damage the reflector or other parts of the bicycle.

8.17 Caster Wheel (Third Wheel)

A. Disassembly

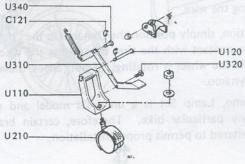
Unscrew the elbow assembly mounting bolt (U-320), and remove the 2 C-clip retainers (C121), and then tap out the 2 pins (U120 & U340). To remove the caster wheel bracket (U110) and the elbow assembly (U310), loosen the nut which mount it to the caster wheel bracket (U-110).

B. Trouble Shooting and Maintenance

The caster wheel is made of 3 separate components. Cracked, bent, broken or excessively worn components demand replacement. If bolt or screws do not tighten properly, or if the pin is bent or C-clip damaged, replace the necessary fasteners. Always use new mounting nut when replacing the caster wheel (U-210). Be careful not to overtighten it, thus stripping out the hole in the bracket (U-110) and causing replacement of this piece.

The elbow assembly will not function properly if it is bent. Try to straighten it out by hand. If this does not work, replace the assembly.

Caution: Failure to raise the caster wheel before riding, or forceful impact against the caster wheel assembly whether in its up or down position, may causes severe damage to the caster wheel assembly.



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8.18 OPTIONAL ACCESSORY INSTALLATION

Dynamo Installation

DAHON

INSTALLATION INSTRUCTIONS FOR DYNAMO, LAMP SET

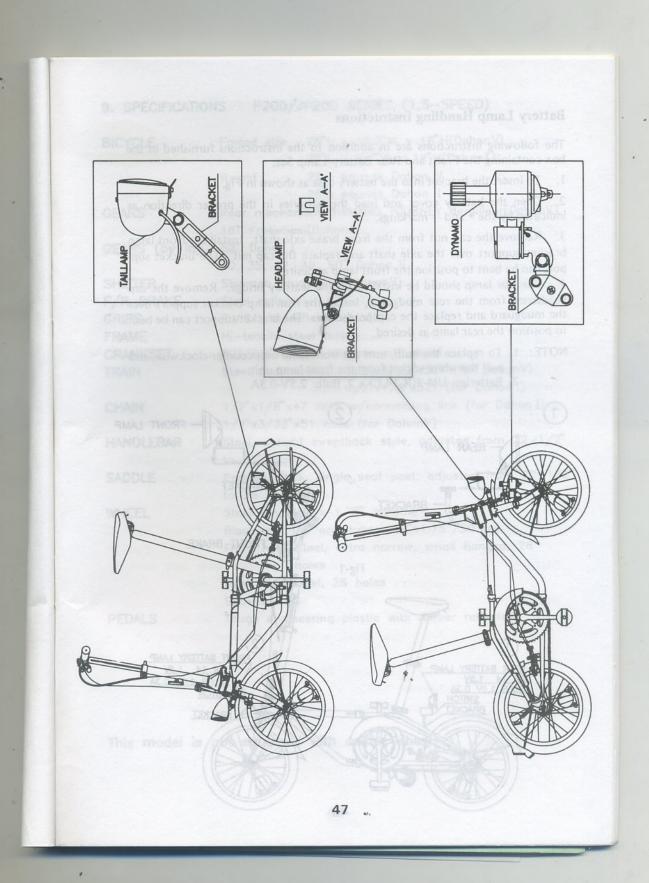
The following instructions are in addition to the instructions furnished in the box containing the Dynamo, Lamp Set.

- 1. Remove the cap nut from the front brake axle shaft. Install the head-lamp bracket support over the axle shaft and replace the cap nut. The bracket support can be bent to position the headlamp as desired. (See diagram)
- 2. The tail lamp should be installed on the left seatstay tube at the backstay end (L). The lamp bracket with the rear mudguard stay fixed together.
- 3. The Dynamo unit should be installed on the right fork leg. (See diagram)-
- 3a. The location of the Dynamo on the fork should be such that permits the rotating end of the Dynamo to turn against the approximate center of the tire sidewall when in "down" position. When in the "up" position, the rotating end of the Dynamo should not be in contact with the tire.
- 3b. The angle of the Dynamo should be fixed at a point permitting the rotating end of the Dynamo to turn smoothly on the same line of rotation as the tire.
- 4. After installation of the Head-lamp, Dynamo and Tail-Lamp, run the wires as follows:
- 4a. The Head-lamp wire should be connected directly to reach the Dynamo. NOTE: Remove excess wire, then attach to the Dynamo contact per the instructions included with the Dynamo.
- 4b. The Tail-lamp wire should be wrapped around the left seatstay tube, then led around the front frame upper tube to reach the Dynamo.

 NOTE: Be sure and leave enough slack at the frame hinges so the bike can be folded without pulling the wire.
- 5. To check operation, simply position the Dynamo in the "down" position so the rotating end is in contact with the tire, then rotate the wheel. Both lamps should be "on" while the wheel is rotating. If not, check the wiring and their attachment to the Dynamo.

NOTE: This Dynamo, Lamp Set is a universal model and not specifically manufactured for any particular bike. Therefore, certain brackets must be reversed, or slightly altered to permit proper installation.

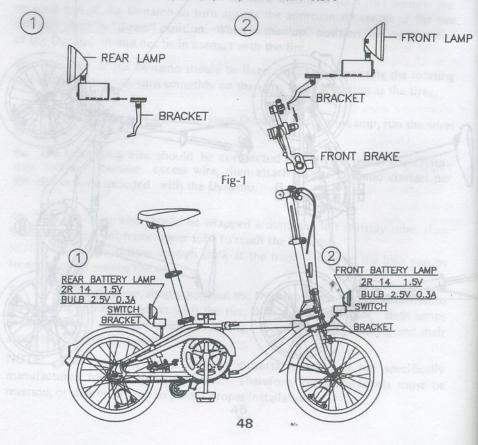
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Battery Lamp Handling Instructions

The following instructions are in addition to the instructions furnished in the box containing the Front and Rear Battery Lamp Set.

- 1. To insert the bracket into the battery case as shown in Fig. 1.
- 2. Open the battery cover and load the batteries in the proper direction as indicated by the + and markings.
- 3. Remove the cap nut from the front brake axle shaft. Install the front lamp bracket support over the axle shaft and replace the cap nut. The bracket support can be bent to position the front lamp as desired.
- 4. The rear lamp should be installed on the seatstay bridge. Remove the cap headscrew from the rear mudguard, Install the rear lamp bracket support over the mudguard and replace the cap headscrew. The bracket support can be bent to position the rear lamp as desired.
- NOTE: 1. To replace the bulb, turn the front lamp unit counter-clockwise, and pull the white socket from the front lamp unit.
 - 2. Batteries: UM-2(R-14,C) x 2, Bulb: 2.5V-0.3A



9. SPECIFICATIONS P200/JP200 SERIES (1,5-SPEED)

BICYCLE Folded size 28"L x 10.3"W x 18"H(DahonV)

28"L x 9.7"W x 18"H(Dahon I)

Weight 29.3 pounds Dahon V

28.0 pounds Dahon I

GEARS Rear mechanism SHIMANO TOURNEY derailleur(DahonV)

16T Freewheel(Dahon I)

GEARS (by in) 52" Dahon I

30, 35, 42, 49, 60" Dahon V

SHIFTER Shimano tourney(for DahonV)

F/R BRAKE Steel caliper state and the state of the state

GRIPS P.V.C with reflector-black

FRAME Hi-tensile steel tubing

CRANKSET 52T/6.5" crank, twist on-off pedal

TRAIN Steel chain wheel 1/2"x3/32"x52T (for DahonV)

1/2"x1/8"x52T (for Dahon I)

CHAIN 1/2"x1/8"x47 links w/connecting link (for Dahon I)

1/2"x3/32"x51 links (for DahonV)

HANDLEBAR Steel, upright sweptback style, adjusted from 32-1/2"

to 38" high

SADDLE Padded black, single seat post, adjusted from 22-1/2"

to 36" high

WHEEL Steel rim, 16" x 1.75" chrome

Black wall tire and tubes, 16"x1.75"/50 psi

Redr. hub: Steel, 28 holes Spokes: 140

Front hub: Steel, extra narrow, small flanged, 28

SADDLE Comtodoble, paddesloheng-block, dual seet post,

Rear hub: Steel, 28 holes

Spokes: 14G

PEDALS Tough engineering plastic with amber reflectors

This model is not equipped with caster wheel.

SPECIFICATIONS EP200 SERIES (1,3,5-SPEED)

BICYCLE Folded size 28"L x 10.3"W x 18"H(DahonV)

28"L x 9.7"W x 18"H(Dahon [&II)

Weight 29.1 pounds Dahon I

31.9 pounds Dahon II

31.7 pounds Dahon V

GEARS Rear mechanism SHIMANO TOURNEY derailleur(DahonV)

Sturmey Archer/Sachs−13T hub cog (DahonII)

16T Freewheel (Dahon I)

GEARS (by in) 52" Dahon I

48, 64, 85"/47, 64, 87" Dahon II

30, 35, 42, 49, 60" Dahon V

SHIFTER Shimano tourney (for DahonV)

Sturmey Archer/Sachs (for DahonII)

F/R BRAKE

Aluminum alloy caliper

GRIPS

Mushroom type—black

FRAME

Hi--tensile steel tubing

CRANKSET 52T/6.5" crank, one-piece with foldable R.H. pedal TRAIN Steel chain wheel 1/2"x3/32"x52T (for DahonV)

1/2"x1/8"x52T (for Dahon I&II)

CHAIN 1/2"x1/8"x47 links w/connecting link (for Dahon I)

1/2"x1/8"x47 links (for DahonⅡ) 1/2"x3/32"x51 links (for DahonV)

HANDLEBAR Steel, upright sweptback style, adjusted from 32-1/2"

to 38" high

SADDLE Comfortable, padded spring-black, dual seat post,

adjusted from 30-1/2" to 39-1/2" high

WHEEL Steel rim, 16"x1.75" chrome

Gum wall tire and tubes, 16"x1.75"/50 psi

Front hub: Steel, extra narrow, small flanged, 28

holes

Rear hub: Steel, 28 holes

Spokes: 14G

PEDALS Tough engineering plastic with amber reflectors

This model is equipped with caster wheel.

SPECIFICATIONS

EXP300 SERIES (3-SPEED)

BICYCLE

Folded size 28"L x 9.7"W x 18"H (DahonII)

28.8 pounds Dahon II

GEARS

Sturmey Archer/Sachs−13T hub cog (DahonII)

GEARS (by in)

48, 64, 85" /47, 64, 87" Dahon II

SHIFTER

Sturmey Archer/Sachs (for DahonII) Aluminum alloy caliper

F/R BRAKE

GRIPS FRAME MTB rubber type-black

CRANKSET

Hi-tensile steel tubing, dual latch, 2-tone Black/Aqua 52T/6.5" alloy crank, 3 pcs with foldable R.H pedal

TRAIN

Light alloy chain wheel, 1/2"x3/32"x52T (for DahonⅢ)

CHAIN

1/2"x1/8"x47 links silver (for DahonII)

HANDLEBAR

Aluminum alloy, upright sweptback style, adjusted from

32-1/2" to 38" high

SADDLE

MTB Gel type with Lycra top, dual seat post, adjusted

from 30-1/2" to 39-1/2" high

WHEEL

Aluminum alloy rim, 16"x1.75"

Skin wall mountain thread tire and tubes, 16"x1.75"/

70 psi

Front hub: Steel, extra narrow, small flanged, 28

holes

Rear hub: Sturmey Archer/Sachs-steel 3-speed hub,

28 holes (for DahonII)

Spokes: 14G ucp

PEDALS

Tough engineering plastic with amber reflectors

This model is not equipped with caster wheel.

SPECIFICATIONS

EDP3 SERIES (3-SPEED)

BICYCLE

Folded size 28"L x 9.7"W x 18"H (DahonII)

Weight

30.8 pounds Dahon II

GEARS

Sturmey Archer/Sachs−13T hub cog (DahonⅢ)

GEARS (by in)

48, 64, 85" /47, 64, 87" Dahon II Sturmey Archer/Sachs (for Dahon III)

SHIFTER F/R BRAKE

Aluminum alloy caliper MTB rubber type—black

GRIPS FRAME

CRANKSET

Hi-tensile steel tubing, ED/White w/royal blue decals 52T/6.5" crank(E.D.), one-piece with foldable R.H

521

TRAIN

Steel, chain wheel, 1/2"x1/8"x52T (E.D.)

1/2"x1/8"x47 links (for DahonII)

CHAIN HANDLEBAR

Aluminum alloy, upright sweptback style, adjusted from

32-1/2" to 38" high

SADDLE

Comfortable, padded spring-black, dual seat post,

adjusted from 30-1/2" to 39-1/2" high

WHEEL

Aluminum alloy rim, 16"x1.75"

Gum wall tire and tubes, 16"x1.75"/50 psi

Front hub: Stainless steel, extra narrow, small flanged

28 holes

Rear hub: Sturmey Archer/Sachs-steel 3-speed hub,

28 holes (for DahonII)

Spokes: 14G, Stainless steel

PEDALS

Tough engineering plastic with amber reflectors

This model is equipped with caster wheel.

Steel 28 holes?.

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S: STEERING SYSTEM T: TRANSMISSION SY W: WHEELS X: ETC PARTS	PART NO 17740M30 1810M50 1810M50 1830M50 1840M50 1840M50 1840M50 1840M50 1840M50 1841M50 1841M
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	PART NO H335M50 H351P50 H351P50 H352P52 H352P52 H352P52 H352P52 H352P52 H352P52 H352P52 H352P52 H352P53 H352P5
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ERIES LIST B: BRAKE SYSTEM C: CRANK SYSTEM F: FRAME	DESCRIPTION ONE PIECE AXLE BEARING RACE (R) EFARING RACE (L) EFARING CAPS BEARING CAPS BEARING CAPS BEARING RACE (L) LOCK NUT RONT BRAKE LEVER REAR BRAKE CABLE REAR BRAKE REAR BRAKE REAR BRAKE REAR BRAKE CABLE LOC PIN BUSHING LUG PIN BUSHING LANDLE STEM ASSY HANDLE ROST ASSY HANDLE FOST ASSY HANDLE FOST ASSY HANDLE POST ASSY HANDLE FOST ASSY HANDLE FOST BUSHING QUICK RELEASE SCREW (B) SQUARE WASHER ADJUSTING NUT
10 P200 SERIES PARTS LIST	PART NO A110M52D A220M50 A230M50 A240M50 A260M50 A260M50 A270M50 B112M50 B130P50 B130P50 B130M51 C330M51 C330M51 C330M51 C330M51 F247M52 F247M52 F200M51 F220M50 F620M50 F720M50 F720M50 F720M50 F720M50 F720M50 F720M50 F730M

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S. STEERING SYSTEM T: TRANSMISSION SYSTEM W: WHEELS X: ETC PARTS	DESCRIPTION 14T 5-SPEED GEARS WASHER RRONT WHEEL HUB ASS'Y WASHER NUT SPOKE (FRONT WHEEL) RINNER TURE (U.S.A. TYPE) TIRE RIM TAPES REAR WHEEL HUB (1SP) 5-SPEED HUB NUT REAR WHEEL HUB (1SP) SFOKE (REAR WHEEL) (1SP) STOPPER HOOK SCREW
S: STEERING SYSTEM T: TRANSMISSION SY W: WHEELS X: ETC PARTS	5.55 PART NO 2 W110M51 2 W110M51 2 W125M50 3 W125M50 1 W141M50 1 W170M50 1 W170M50 1 W170M50 1 W170M50 1 W230M10 3 W230M10 3 W230M10 1 H410951 1 H411950 1 H411950 1 1 H411950 1 1 H411950 1
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H: HANDLEBAR SYSTEM M: MUDGUARD P: SEAT POST SYSTEM R: REFLECTORS AND LAMP	DESCRIPTION SQUARE WASHER ADJUSTING NUT WASHER LATCH CHANNEL ADJUSTING SCREW ADJUSTING SCREW ADJUSTING SCREW ADJUSTING SCREW ADJUSTING SCREW ADJUSTING NUT REAR FRAME ASS'Y TOP PIN DOWN PIN SSRING WASHER RUBBER WASHER NYLON NUT SADDLE SSADDLE SSADDLE SSADDLE SSADDLE SSAT RECTOR FERR RELECTOR FERR RELECTOR FERR RELECTOR FERR RELECTOR FORK ASS'Y INSERT BEARING FORK ASS'Y INSERT BEARING FORK ASS'Y INSERT GERRING FORK ASS'Y INSERT GERRING FORK ASS'Y CAP HEADSCREW C
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T A: CRANK AXLE ASS'Y B: BRAKE SYSTEM C: CRANK SYSTEM F: FRAME	DESCRIPTION ONE PIECE AXLE BEARING RACE (R) BEARING RACE (R) BEARING CAPS BEARING CAPS BEARING CAPS BEARING RACE (L) UCK NUT FRONT BRAKE LEVER FRONT BRAKE LEVER FRONT BRAKE LEVER REAR BRAKE REAR BRAKE FRONT BRAKE CABLE FRONT BRAKE CABLE FRONT BRAKE LAFT FRONT BRAKE LAFT REAR BRAKE CABLE FRONT BRAKE LAFT REAR BRAKE CABLE FRONT BRAKE CABLE FRONT BRAKE REAR BRAKE LATCH ASS'Y BEARING CAP HEAD SCREW CURVED WASIFFER HANDLE GRIP HANDLE STEM ASS'Y BOLT NUT HANDLE STEM ASS'Y ROLT NUT HANDLE STEM ASS'Y ROLT RELEASE SCREW (8)
JP200 SERIES PARTS LIST	PART NO A110M52D A210M50 A220M50 A240M50 A240M50 A250M50 A260M50 A260M50 A260M50 B112M50 B110M51 F610M51 F610M

	EP E
STEERING SYSTEM TRANSMISSION SYSTEM : WHEELS ETC PARTS	DESCRIPTION 3-SPEED CONTROL CABLE INDICATOR COUPLING COUPLING COUPLING COUPLING PROTECTOR GEAR LEVEL GEAR CABLE RARK DERAILLEUR 14T 5-SPEED GEARS COVER 14T 5-SPEED GEARS COVER 14T 5-SPEED GEARS COVER 14T 5-SPEED GEARS CASTER WHEEL AUS ASSY PONT WHEEL HUB ASSY NUT RING NUT RING NUT RING RING RING RING RING RING RING RING
S: STEERING SYSTEM T: TRANSMISSION SY W: WHEELS X: ETC PARTS	PART NO 1720M31 1720M3
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H: HANDLEBAR SYSTEM M: MUDGUARD P: SEAT POST SYSTEM R: REFLECTOR AND LAMP	DESCRIPTION HANDLE POST BUSHING OUICK RELEASE SCREW A QUICK RELEASE SCREW A QUICK RELEASE SCREW B AQUICK RELEASE SCREW B SQUARE WASHER NOTAL CHANNEL ADJUSTING NUT TOP PIN DOWN PIN SPRING FRONT MUDGUARD STAY POP RIVET REAT MUDGUARD LOGO SPRING REAT MUDGUARD LOGO SPRING FRONT MUDGUARD LOGO SPRING REAT MUDGUARD LOGO SPRING FRONT MUDGUARD UPER MUDGUARD UPER MUDGUARD SADDIE TOP SEAT POST MUDDLE SEAT POST MUDDLE SEAT POST MUPER BUSHING SADDIE FOR KOWN PLUG CRAN WHELE (SSP) CHAIN WHEEL (13SP) CHAIN (13SP) CHAIN (13SP) CHAIN (15SP)
	PART NO H330M50 H332M51 H3332M51 H3332M51 H3332M51 H3332M51 H3332M51 H3332M51 H3332M50 H352P52 H353P52
HES A: CRANK AXLE ASS'Y B: BRAKE SYSTEM C: CRANK SYSTEM F: FRAME	DESCRIPTION ONE PIECE AXLE BARRING RACE (R) BEARING CAPE CHAIN WHELL WASHER (RH) CHAIN WHELL WASHER (RH) BEARING CAPE CAPE FRONT BRAKE LEVER REAR BRAKE LEVER REAR BRAKE LEVER REAR BRAKE LEVER REAR BRAKE CABLE CRANK RIN THUMB BOLT THUMB BOLT THUMB BOLT THUMB BOLT THUMB CAPE REAR BRAKE CABLE CRANK RIN N'LON NUT N'LON WASHER CRANK RIN N'LON NUT PEDAL (B) 1/2" PEDAL (B) 1/2
EP200 SERIES PART LIST	PART NO A110M52 A210M50 A220M50 A220M50 A220M50 A220M50 A220M50 A220M50 A220M50 B130E50 B130E5

	EDP3.
S: STEERING SYSTEM T: TRANSMISSION SYSTEM W: WHEELS X: ETC PARTS	DESCRIPTION TRICGER GEAR CONTROL LEVER 3-SPEED CONTROL CABLE INDICATOR COUPLING INDICATOR COUPLING INDICATOR COUPLING CASTER WHEEL ASS'Y INN C RING ELBOW SCREW MASHER NUT SPOKE (ROMT WHEEL) RINN (ALLOY) INNER TUBE (U.S.A. TYPE) TIRE (GUM WALL) RIM (ALLOY) RIM TAFES REAR WHEEL (13SP) SPOKE (REAR WHEEL) (3SP) LEFT NUT RIGHT NUT KICKSTAND ASS'Y CAP HEADSCREW STOPPER HOOK SCREW
S: STEERING SYSTEM T: TRANSMISSION SY W: WHEELS X: ETC PARTS	PART NO 7710M30 77710M30 77710M30 77720M31 7720M31 7720M31 7720M31 7720M31 7720M31 7720M30 772
⊗⊢>×	E 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
H: HANDLEBAR SYSTEM M: MUDGUARD P: SEAT POST SYSTEM R: REFLECTOR AND LAMP	DESCRIPTION ADJUSTING NUT WASHER LATCH CHANNEL ADJUSTING NUT TOP PIN DOWN PIN SPRING FRONT MUDGUARD STAY POP RIVET FRONT MUDGUARD STAY POP RIVET FRONT MUDGUARD STAY POP RIVET FRONT MUDGUARD SUPPORT FLAT HEADSCREW WASHER RUBBER WASHER RUBBER WASHER NYLON NUT FRAR MUDGUARD LOGO SPRING SPRING MASHER TOP SEAT POST MIDDLE SELT POST MIDDLE SEAT POST CROWN WASHER TOOK NUT C RING FOR WASHER CHAIN WHEEL (3SP) C RING FOR WASHER CHAIN WHEEL (3SP) C RING C RING C RING FOR WASHER CHAIN WHEEL (3SP) C RING C R
	PART NO H334M53 H335M505 H335M505 H352P505 H352P505 H353P505 H354P515 H354P51 H354P515 H354P51 H354P5
(LE ASS'Y STEM STEM	ED 2 - 2
RIES A: CRANK AXLE ASS'Y T B: BRAKE SYSTEM C: CRANK SYSTEM F: FRAME	DESCRIPTION ONE PIECE AXLE BEARING RACE (R) BEARING RACE (R) BEARING CAPS BEARING CAPS BEARING CAPS BEARING RACE (L) WASHER (LH) LOCK NUT FRONT BRAKE LEVER REAR BRAKE LEVER REAR BRAKE LEVER REAR BRAKE CABLE REAR REARE CAP (R) 172" PEDAL (I) 172" PEDAL (I) 172" PEDAL (B) 122" PEDAL (B) 123" PE
EDP300 SERIES PARTS LIST	PART NO A110M52D A220M50N A220M50N A240M50N A240M50N A240M50N A260M50N A260M50N B110P5D B130E51 B210E50 B130E51 B220M30 B220M30 B220M30 B220M30 B220M30 B220M30 B220M30 B220M30 B220M30 B220M31 B220M30 B220M30 B220M30 B220M30 B220M30 B220M30 B220M30 B220M31 B220M30 F20M31 F20M50 F100M51 F20M50 F100M51 F

S: STEERING SYSTEM T: TRANSMISSION SYSTEM	W: WHEELS X: ETC PARTS	35 PART NO DESCRIPTION 2 1740M30 INDICATOR COUPLING PROTECTOR	W110M51 FRONT WHEL HUB ASS'Y	100			2	W150M50 INNEK IUBE (U.S.A. 17PE)		I W210M30 REAR WHEEL HUB (3SP)			-	00	HAMINSI STOPPER HOOR		in and and and and and and and and and an	THE STATE OF THE S	The state of the s	THE DESCRIPTION OF THE PARTY OF	The second secon		Harrist Marie Mari	Date of the state	The second of th	on sale of the sal	ts North Sel	particular for the second seco	iri mili mili mili mili mili mili mili m	s like an		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	His section of the se	一 一 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	ha sic	7	
H: HANDLEBAR SYSTEM M: MUDGUARD	P; SEAT POT SYSTEM R; REFLECTORS AND LAMP	PART NO DESCRIPTION 33 H332M51 OLUICK RELEASE SCREW B		H334M53 ADJUSTING NUT 3	H335M50 WASHER 3			H353P52 ADJUSTING NUT	ARI Sec		M260M50 WASHER 3		M270M50 NYI,ON NUT	h	P210M52E TOP SEAT POST 1	3						0					S332M50 C KING			1M			511T30 CHAIN	T601M53 13T FREE WHEEL		141	
RIES A: CRANK AXLE ASS'Y B: BRAKE SYSTEM	C: CRANK SYSTEM F:FRAME	DESCRIPTION 3S PART PREARING 2 H332	CAPS	2	WASHER (LM) 1 H335		LIC TO THE PERSON IN THE PERSO	LOCK NUT 2 H353P52	I EVER	10	ls ns	REAR BRAKE LEVER 1 M261	REAR BRAKE CABLE 1 M270	FOLDER PEDAL (R) (9/16") 1 P1210	PEDAL (L) (9/16") 1 P210/	-	CRANK (R) W/CHAIN WHEEL 1 P312	FRONT FRAME ASS'Y 1 P3301	BEARING CAPS 2 R100	To Tel	LOWER CLAMP BAND 1 R220	NG NG	LUG PIN 2 STUUPSU	2	70	y	CAP HEADSCREW 1 5332/	- 0	7		16	AR	P 2	ASS'V		NG	-
EXP300 SERIES PARTS LIST		PART NO A220M50	A240M50	A250Q30	A260Q30	A270Q30	A280Q30	A290Q30	B120T30	B130E51	B210T30	B220T30	B230M32	C200Q30	C310Q30	C340Q30	C350Q30	F100P53	F152M51	F200M51	F233M51D	F300M51	F610M51	F620M51	F630M50	F710M53	F720M50	1730M30	FOUNDA	F842Q30	F871M50	H110T51	H120030	HOOMETS.	H300P51D	H320M50	H331M52

33.

Limited Warranty (FOR THE U.S.A & CANADA)

COVERAGE:

DAHON California, Inc. (herein after called DHC1) warrants the front and rear bicycle frames and front fork to be free from defects in material and workmanship under normal use of the (P Type) bicycle for a period of (two) 2 year from the date of purchase.

Other original parts are warranted against defects in material and work-manship for (three) 3 months from the original date of purchase.

ORIGINAL PARTS EXCLUDED FROM THIS WARRANTY

This warranty does not cover tires, tubes, cables, caster wheel assembly and plastic mud and chain guards.

EXTENT OF COVERAGE:

During the warranty period, if any original component to which this warranty applies is determined by DHCl to be defective in material or workmanship, DHCl will provide a replacement part free of charge. (installation labor and transportation costs are the responsibility of the owner)

TO MAKE A WARRANTY CLAIM:

Take your bicycle along with proof of date of purchase back to the dealer who sold the bicycle. Upon inspection, if the dealer determines the defect to be covered under the warranty, and is verified by DHCl, DHCl will provide a replacement part in accordance with this warranty.

If the Bicycle was Purchased From a Dealer Without Service Facilities: Contact DAHON California, Inc. for assistance.

Your letter must include a photocopy of the proof of date of purchase. Please give a complete description of the component failure, and the date and conditions in which it occurred.

RETURNS:

If for any reason it is necessary to ship your bicycle, or any of its parts to DHCl, you must first contact DHCl and receive a Return Authorization Number (RMA). Bicycles or parts shipped without a RMA number will be refused by DHCl.

Under no condition is DHCl responsible for damages loss and/or shipping charges.

Unauthorized shipments will be returned to the sender freight collect.

EXCLUSIONS LIMITATIONS AND OTHER RIGHTS:

This warranty does not cover tires, tubes, and plastic mud and chain guards. Nor does it cover any defect or failure caused by accident, misuse, abuse, neglect, normal wear and tear or alterations of any type, including, but not exclusive of, improper servicing or alteration for stunt riding, dirt riding or any similar activities.

DHCl's only responsibility, if any, to terms contained in this warranty is the replacement of defective parts as indicated above. Under no conditions shall the cost of fulfilling these terms exceed the original purchase price of the bicycle. Nor does DHCl take any responsibility for any consequential or incidential damages including, but not limited to, damages to property or damages for personal injuries.

This warranty is in lieu of all other warranties, whether written, spoken or implied. There are no promises, terms or conditions other than those contained herein.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

9.

