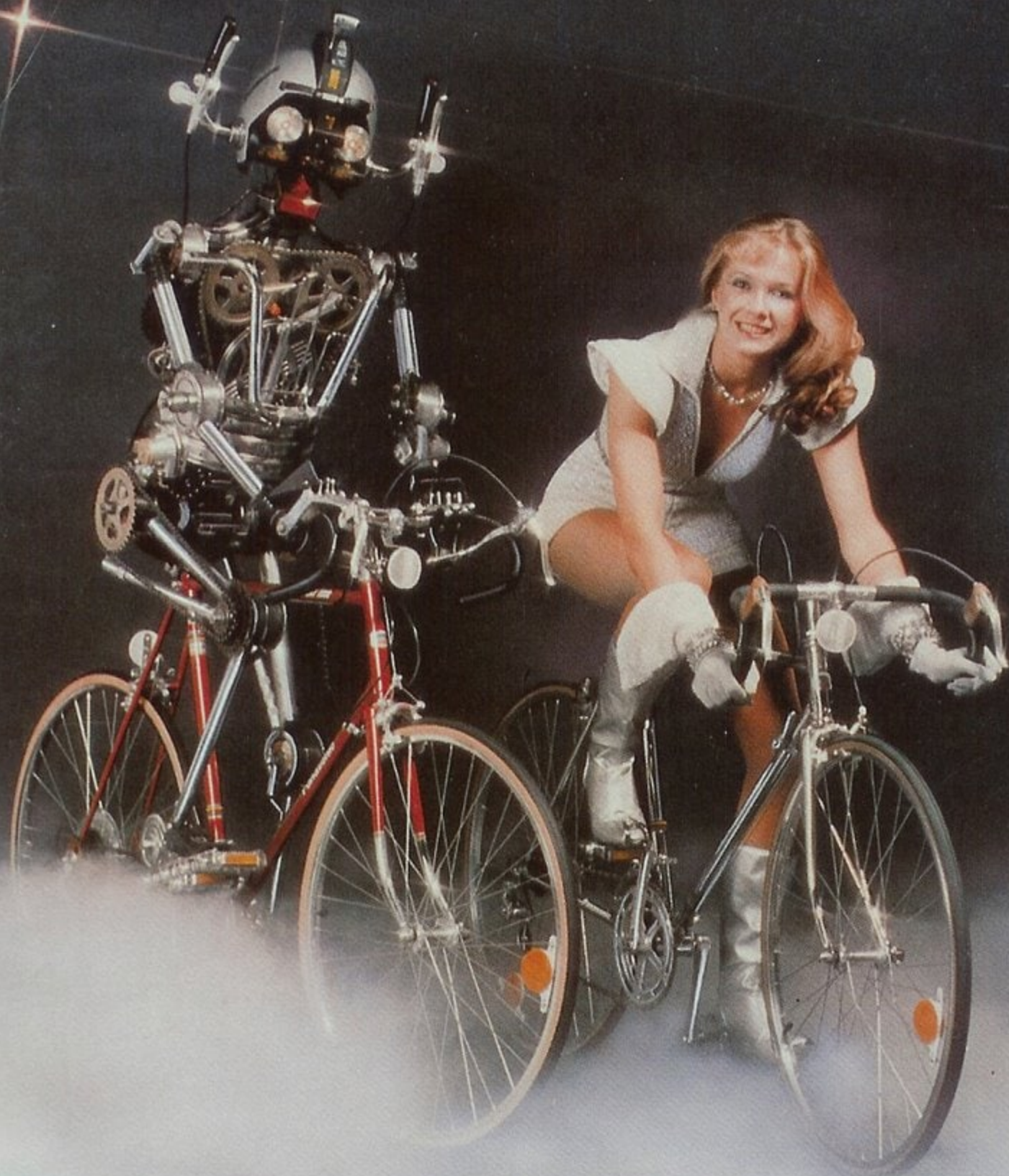


Panasonic Bicycles



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Panasonic Sales Co.,
("PSC"), P.O. box. 2036,
Ceramic Annex, Carolina
Puerto Rico 00630

Panasonic[®]
just slightly ahead of our time



Professional 7000

Top-of-the-line 12-speed professional weighs only 22 lbs. Frame is hand-brazed, double-buttressed #4130 chrome molybdenum equipped with top quality components. Main components are Shimano "Dura-Ace EX"



Deluxe-4000

The machine for the semi-professional road racer. A hand made frame of double-budded #4130 chrome molybdenum equipped with Shimano 600EX components.



Deluxe 3000

For the person who needs extra performance of the 12-speed touring bike, double-butted #4130 chrome molybdenum main frame matched to alloy components.



Deluxe 2000

Outstanding 12-speed performer with precision engineered components. Alloy rims and light weight alloy components.



Sport 1000-Men's

Attractive 12-speed bicycle for men. Equipped with alloy cotterless crank arms with steel gear and alloy center-pull brakes.



Sport 1000-Women's

Fascinating 12-speed bicycle for women. Frame is staggered-style of # 1020 high-tensile steel with chrome tips.



Track Bike

Ideal as a training track bicycle. Can be used for road as well as track use by an interchangeable cog. Tires are 27" x 1 $\frac{1}{4}$ " x 1" Panasonic Racing Extra 100 PSI.



Sport-Deluxe-Men's

Lightweight 12-speed bicycle offers wide choice of frame sizes. Alloy crank and hub matched to a high-tensile # 1020 butted tubing frame.



Sport Deluxe-Women's

Easy-to-handle, 12-speed lightweight bicycle with quality features. Alloy crank and hub matched to Mixtie-style # 1020 high-tensile butted tubing frame.



Sport-Men's

Exciting light weight 10-speed bicycle for men. Equipped with alloy center-pull brakes and steel cotterless crank. Also avail. in 17.5" frame size.



Sport-Women's

Enjoyable light weight 10-speed bicycle for women. Frame is staggered-style # 1020 high-tensile steel tubing.



Panasonic Villager III-Men's

Durable 10-speed bicycle is ideal for the novice. This bicycle is equipped with F.F. and P.P.S. systems.



Tourist 10-Men's and Women's

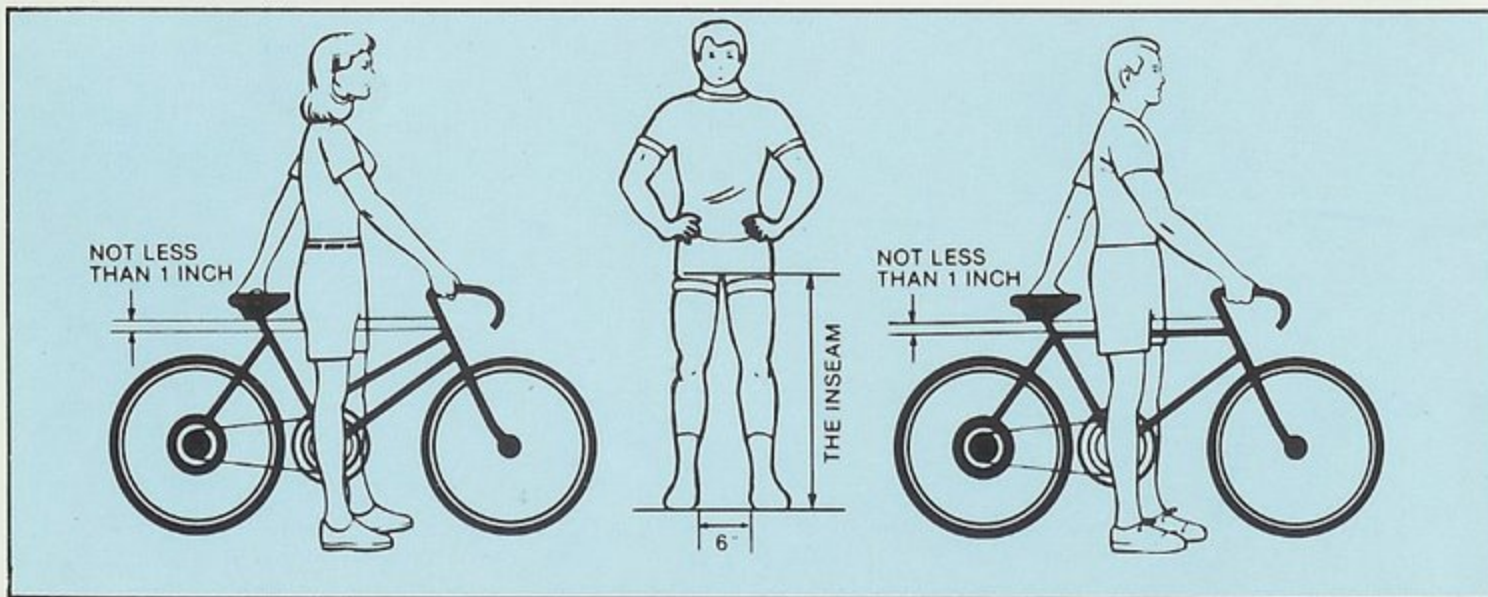
Easy-to handle 10-speed machine for the mature cyclist. This bicycle is equipped with F.F. system. Also available in ladies' frames.



Tourist 5-Men's and Women's

Dependable 5-speed runabout built for comfort. This bicycle is equipped with F.F. system. Also available in ladies' frames.

Proper Bicycle Fit



Proper fit is an important factor in assuring bicycle safety and handling. Panasonic bicycles come in a variety of frame sizes, to ensure that there's one just right for you. Frame size is determined by choosing the largest frame which can be straddled with at least one inch of clearance above the top tube, keeping both feet on the ground, as illustrated, right. Women can use the men's style frame to determine the approximate size of the corresponding ladies' model, as illustrated, left.

PROPER PANASONIC BICYCLE FOR VARIOUS INSEAMS

FRAME SIZE	17.5"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"
THE MINIMUM INSEAM OF RIDER	28"	29.5"	30.5"	31.5"	32.5"	33.5"	34.5"	35.5"	36.5"	37.5"	38.5"

Tires and Tubes

Size	Size ETRTO	Type	Label	PSI.	Weight (gr.)	Outer Dia. (mm)	Section Width(mm)	Rim Designation
Panaracer	P-230	Tubular	Red		230	676	22.7	Tubular Rim
Panaracer	P-270	Tubular	Yellow		270	676	22.7	Tubular Rim
Panaracer	P-300	Tubular	Blue		300	676	22.7	Tubular Rim
27 x 1 $\frac{1}{4}$ x 1	25-630	Racing Extra	White	100	270	680	22.0	K-2
700 x 25C	25-622	Racing Extra	White	100	270	672	22.0	ETRTO
700 x 28C	28-622	Racing Extra	White	90	280	682	27.0	ETRTO
27 x 1 $\frac{1}{8}$	28-630	Racing Extra	Orange	90	300	690	26.0	K-2
27 x 1 $\frac{1}{8}$	28-630	Open Side	Green	90	330	690	26.0	K-2
27 x 1 $\frac{1}{4}$	32-630	Open Side	Green	85	350	693	30.0	K-2, S-6
27 x 1 $\frac{1}{4}$	32-630	High Pressure	Yellow	85	490	693	30.0	K-2, S-6
27 x 1 $\frac{1}{8}$		Tube, American Valve	Black		100			
27 x 1 $\frac{1}{8}$		Tube, French Valve	Black		100			
27 x 1 $\frac{1}{4}$ x 1		Tube, American Valve	Green		100			
27 x 1 $\frac{1}{4}$ x 1		Tube, French Valve	Green		100			

Specifications

Model Number	Professional 7000 PR-321 PR-323 PR-325	Deluxe 4000 DR-322 DR-324 DR-326	Deluxe 3000 PD-322 PD-324 PD-326	Deluxe 2000 DX-320 DX-328 DX-322 DX-324 DX-326	Sport Deluxe SDX-321 SDXL-319 SDX-323 SDXL-322 SDX-325 SDX-327	Sport-1000 S-319 S-327 S-321 SL-319 S-323 S-325	Villager III V-319 VL-319 V-321 VL-322 V-323 V-325	Sport PS-317 PS-325 PS-319 PSL-319 PS-321 PSL-322 PS-323
Frame Size (inches)	PR-321...21" PR-323...23" PR-325...25" Angle 73°30' x 73°	DR-322...22" DR-324...24" DR-326...26" Angle 73° x 73°	PD-322...22" PD-324...24" PD-326...26" Angle 73° x 73°	DX-320...20" DX-322...22" DX-324...24" Angle 73° x 73° 74° x 74° (26°)	SDX-321...21" SDXL-319...19" SDX-323...23" SDXL-322...22" SDX-325...25" SDX-327...27" Angle 73° x 73° 74° x 74° (25°)	S-319...19" SL-319...19" S-321...21" S-323...23" S-325...25" S-327...27" Angle 73° x 73°	V-319...19" VL-319...19" V-321...21" VL-322...22" V-323...23" V-325...25" Angle 72° x 72° 73° x 73° (25°)	PS-317...17.5" PS-325...22" PS-319...19" PSL-319...19" PS-321...21" PSL-322...22" PS-323...23" Angle 72° x 72° 73° x 73° 72° x 71° (17.5°)
Frame	Chrome molybdenum Tange Champion set, double butted, Shimano short fork ends	Chrome molybdenum 4130 double butted throughout, with black pin stripe	Chrome molybdenum 4130 double-butted main tubes with pin stripe	High-tensile 1020 butted tubing with pin stripe fully lugged	High-tensile 1020 butted tubing with pin stripe at head and seat lug	High-tensile 1020 tubing	High-tensile 1020 tubing	High-tensile 1020 tubing
Fork	Chrome molybdenum Tange Champion, forged Shimano fork ends	Chrome molybdenum 4130 with chrome tips	High-tensile 1020 chrome tips	High-tensile 1020 chrome tips	High-tensile 1020 with chrome tips	High-tensile 1020 with chrome tips	High-tensile 1020 fully painted	High-tensile 1020 fully painted
Handlebar	Medalion alloy, Drop style	Light alloy, Maes	Light alloy, Maes	Light alloy, Maes	Light alloy, Maes	Steel randonneur	Steel randonneur	Steel randonneur
Stem	Medalion alloy	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt
Saddle	KASHIMAX SUPER-PRO with alloy seat post	Black leather top with alloy seat post	Black leather top with alloy seat post	Black leather top with alloy seat post	Black vinyl leatherette	Black vinyl leatherette	Black vinyl leatherette	Black vinyl leatherette
Crankset	42/52T, Dura-Ace EX, forged alloy cotterless	40/52T Shimano 600EX forged alloy, cotterless	40/52T forged interchangeable alloy cotterless	42/52T forged alloy, interchangeable gear, cotterless	40/52T forged alloy cotterless	40/52T steel gear with alloy cotterless crank arms	39/52T steel with F.F. system, cotterless	40/52T steel cotterless crank arms
Freewheel	13/23T 6-speed	14/26T Shimano 600EX 6-speed	14/34T Cassette free, 6-speed	13/23T Cassette free, 6-speed	14/28T Cassette free, 6-speed	14/28T Cassette free 6-speed	14/28T with F.F. system, 5-speed	14/28T Cassette free 5-speed
Chain	1/2" x 3/32" x 106 links, HKK Blue sky	1/2" x 3/32" x 110 links, UG gold finish	1/2" x 3/32" x 114 links, UG gold finish	1/2" x 3/32" x 108 links, Uniglide gold finish	1/2" x 3/32" x 112 links, Uniglide	1/2" x 3/32" x 114 links, Uniglide	1/2" x 3/32" x 114 links, Uniglide	1/2" x 3/32" 114 links Uniglide
Hubs	Front...Small flange Dura-Ace W/QR Rear...Dura Ace	Light alloy, small flange with quick release Shimano 600EX	Light alloy, Front...Small flange with quick release, Rear...Cassette freehub with quick release	Light alloy small flange with quick release, Rear...Cassette freehub with quick release	Light alloy, Front...Small flange with quick release, Rear...Cassette freehub with quick release	Front...Alloy, small flange with quick release Rear...Steel freehub	Front...Steel small flange Rear...Steel small flange	Front...Steel small flange Rear...Steel freehub
Rear Derailleur	Dura-Ace EX	Shimano 600EX	Shimano ALTUS-LT	Shimano ALTUS-LT	Shimano ALTUS-ST	Shimano RS	Shimano Positron II	Shimano RS
Front Derailleur	Dura-Ace EX	Shimano 600EX	Shimano ALTUS-LT	Shimano ALTUS-LT	Shimano ALTUS-ST	Shimano FE	Shimano FE	Shimano FE
Shifting Levers	Dura-Ace EX, down tube mounted	Shimano 600EX, down tube mounted	Shimano Altus-LT, down tube mounted	Shimano self-centering, down tube mounted	Shimano self-centering, stem mounted	Shimano self-centering, stem mounted	Stem mounted with P.P.S. shifting lever	Shimano self-centering stem mounted
Brakes	Dura-Ace EX alloy side-pull, short reach with quick release levers and hooded levers	Shimano 600EX, alloy side-pull with quick release levers and hooded levers	Dia-Compe 500G, alloy side-pull with hooded levers and quick release levers	Dia-Compe 500 alloy side-pull with quick release levers and hooded levers	Dia-Compe alloy center-pull with hooded levers, safety levers and quick release levers	Dia-Compe alloy center-pull with hooded levers, safety levers and quick release lever	Dia-Compe alloy center-pull with hooded levers and safety levers	Dia-Compe alloy center-pull with hooded levers and safety levers
Rims	Tubular, alloy	27" x 1 1/4" narrow rim, alloy	27" x 1 1/4" narrow rim, alloy	27" x 1 1/4" narrow rim, alloy	27" x 1 1/4"	27" x 1 1/4"	27" x 1 1/4"	27" x 1 1/4"
Tires	Panaracer-300	27" x 1 1/4" x 1" Panasonic racing extra 100PSI	27" x 1 1/4" x 1" Panasonic racing extra 100PSI	27" x 1 1/8" Panasonic open-side 90PSI	27" x 1 1/4" Panasonic gumwall crack proof 85PSI	27" x 1 1/4" Panasonic gumwall crack proof 85PSI	27" x 1 1/4" Panasonic gumwall crack proof 85PSI	27" x 1 1/4" Panasonic gumwall crack proof 75PSI
Spokes	Swaged stainless, 14-15G	14G stainless	14G U-C-P finished	14G U-C-P finished	14G U-C-P finished	14G U-C-P finished	14G U-C-P finished	14G U-C-P finished
Pedals	Pro-Ace, light alloy with reflector	Top Run rat-trap with reflector	Top-Run rat-trap with reflector	50 Rat-trap with reflector	MKS-II rat-trap reflector	RT-E rat-trap with reflector	RT-E rat-trap with reflector	RT-E rat-trap with reflector
Accessories	Front, rear and side reflectors/Spoke protector/Toe clips and straps/Cloth handlebar tape/Chrome plated fork ends/Allen key wrench	Front, rear and side reflectors/Cloth handlebar tape/spoke protector/Toe clips and straps/Allen key wrench/Chainguard/Bottle carrier/Bottle with Panasonic name	Front, rear and side reflectors/Cloth handlebar tape/Spoke protector/Toe clips and straps/Allen key wrench/Chainguard/Bottle carrier/Bottle with Panasonic name	Front, rear and side reflectors/Plastic spoke protector/Cloth handlebar tape/Mini toe clip/Allen key wrench	Front, rear and side reflectors/Plastic spoke protector/Cloth handlebar tape	Front, rear and side reflectors/Spoke protector/Alloy kickstand/Chainguard	Front, rear and side reflectors/Spoke protector/Alloy kickstand/Inner and outer chainguard	Front, rear and side reflectors/Spoke protector/Alloy kickstand/chainguard
Color	Royal silver	Royal silver	Golden brown	Wine red/Midnight black/Chrome (20" Midnight black only) (28"...Not available in chrome)	Sapphire blue/Wine red/Astro silver (22", 27" ... Not available in Astro silver)	Cobalt blue/Royal red/Quick silver (Men's 19"...Cobalt blue only)	Cobalt blue/Royal red (Men's 19"...Not available in Royal red)	Racing blue/Flamingo
Weight (approx.)	22 lbs (21")	24 lbs (22")	25 lbs (22")	25 lbs (22")	29 lbs (21")	31 lbs (21")	33 lbs (21")	33 lbs (21")

	Tourist-10 T-311 TL-319 T-313 TL-312 T-315	Tourist-5 T-351 TL-359 T-353 TL-352 T-355	Track Bike TK-22 TK-24
g- 2" 5")	T-311...21" TL-319...19" T-313...23" TL-312...22" T-315...25" Angle 73° x 73°	T-351...21" TL-359...19" T-353...23" TL-352...22" T-355...25" Angle 73° x 73°	TK-22...22" TK-24...24" Angle 73° x 73°
ing	High-tensile 1020 tubing	High-tensile 1020 tubing	High-tensile 1020 butted tubing with pin stripe fully lugged, pressed track end
y	High-tensile 1020 fully painted	High-tensile 1020 fully painted	High-tensile 1020 fully painted
	Steel North Road	Steel North Road	Light alloy
	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt	Alloy stem with allen key head bolt
e	Black vinyl leatherette mattress	Black vinyl leatherette mattress	Black leather top with alloy seat post
s	39/52T steel, with F.F. system, steel cotterless crank arms	46T steel, with F.F. system, steel cotterless crank arms	48T forged alloy cotterless
	14/28T with F.F. system 5-speed	14/28T with F.F. system	16T freewheel and 15T fixed sprocket
	1/2" x 3/32" x 114 links, Uniglide	1/2" x 3/32" 110 links, Uniglide	1/2" x 1/8" x 98 links
	Steel	Steel	Alloy semi large flange
	Shimano 400 with saver	Shimano 400 with saver	
	Shimano FE		
ng,	Stem mounted	Stem mounted	
er- rs	Dia-Compe alloy side-pull	Dia-Compe alloy side-pull	Dia-Compe 500 alloy side-pull with hooded levers and quick release levers
	27 x 1 1/4"	27" x 1 1/4"	27" x 1 1/4" alloy
	27" x 1 1/4" Panasonic gumwall crack proof 75PSI	27" x 1 1/4" Panasonic gumwall crack proof 75PSI	27" x 1 1/4" x 1" Panasonic racing extra 100PSI
	14G U-C-P finished	14G U-C-P finished	14G U-C-P finished
	RM 3 full rubber with reflector	RM-3 full rubber with reflector	50 rat-trap with reflector
	Front, rear and side reflectors/Inner and outer chainguard/Spoke protector/Mudguard with pin stripes	Front, rear and side reflectors/Spoke protector/ Painted mudguard with pin stripes/Inner and outer chainguard	Front, rear and side reflectors/Chain case
red	Antique gold	Forest green	Midnight black
	34 lbs (21")	34 lbs (21")	22 lbs (22")

Colors



Royal silver



Golden brown



Midnight black



Wine red



Chrome



Sapphire blue



Astro silver



Cobalt blue



Royal red



Quick silver



Racing blue



Flaming red



Antique gold



Forest green

Dynamo Lighting Set

MD-8SSB	MD-8BK	MD-8SC	NL-508

LIMITED WARRANTY

Panasonic BICYCLE

PANASONIC COMPANY, "P.W.I." "PHI" or "PSC" will repair and exchange parts for this bicycle free of charge in the U.S.A. or Puerto Rico in the event of a manufacturing defect, as follows:

Parts

New parts in exchange for defective parts for one (1) year after original purchase.

Fork and Frame

New fork and frame for the life of the bicycle.

Exception: Fork and Frame (Only for Motocross Bicycle), New fork and Frame for three (3) years after original purchase.

Labor — Thirty Day Check-Up

Repair of defects in material, workmanship or assembly for thirty (30) days after original purchase.

Service

Labor and parts can be obtained during the thirty (30) day labor warranty period by bringing your bicycle to the Panasonic bicycle dealer from whom the bicycle was purchased.

Parts Exchange

After the thirty (30) day labor warranty period is over, any defective part can be exchanged under the parts warranty by bringing it to any Panasonic bicycle dealer. Labor for removal and installation is available at your expense.

A purchase receipt or other proof of date of original consumer purchase will be required before warranty performance is rendered.

This warranty covers normal consumer use and does not cover failure which results from alteration, accident, misuse, abuse, neglect, improper assembly, maintenance, or commercial use.

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

If a problem with this Panasonic bicycle develops during the warranty period, first contact your Panasonic dealer. If the problem is not handled to your satisfaction, then write to the Panasonic Consumer Affairs Division at the company address.