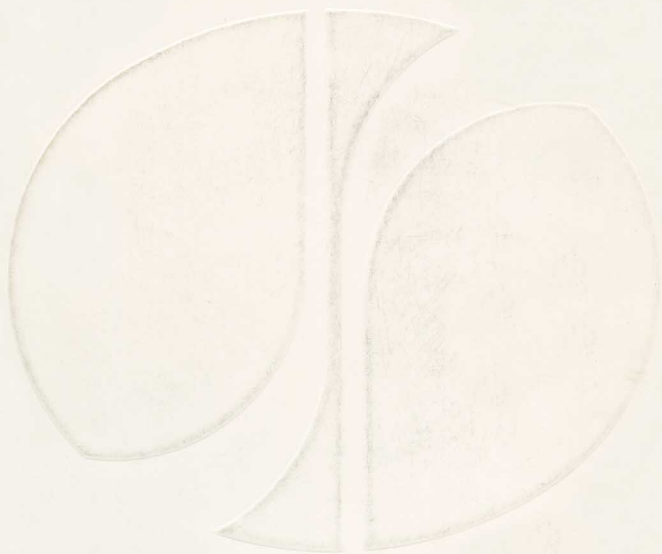


SHIMANO BICYCLE PARTS



SHIMANO

Contents

<i>Shimano Road Ensemble</i>	<i>P.2</i>
<i>Shimano Track Ensemble</i>	<i>P.4</i>
<i>Shimano Touring Ensemble</i>	<i>P.6</i>
<i>Deraillleur</i>	<i>P.8</i>
<i>Front Chain Wheel</i>	<i>P.13</i>
<i>Free Wheel & Sprocket</i>	<i>P.16</i>
<i>Shifting Lever</i>	<i>P.18</i>
<i>Hub</i>	<i>P.22</i>
<i>Caliper Brake & Brake Lever</i>	<i>P.26</i>
<i>Fork Ends</i>	<i>P.30</i>
<i>Spoke Protector</i>	<i>P.31</i>
<i>Head Parts</i>	<i>P.32</i>
<i>Accessories</i>	<i>P.33</i>
<i>Tool</i>	<i>P.34</i>
<i>Chain Line</i>	<i>P.35</i>
<i>Gear Tables</i>	<i>P.36</i>



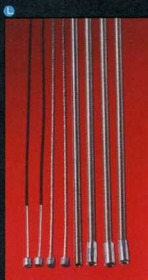
CREATING

Shimano, with a history of 50 years as a respected manufacturer of bicycle parts, ranks worldwide as one of the largest in this field. This fact is, of course, an important factor... both to Shimano and to our customers. Every facet of our products reflects the quality and service that has helped Shimano to consistently grow. But bigness isn't everything, and of course doesn't necessarily assure the quality and service which our customers have come to expect from Shimano. We think that our technology has played a very important role in our progress. Last, and certainly not least, is the painstaking care we put into the development and production of our products. It's really almost a love affair between us and our product. Because, you see, Shimano has a long-standing passion for bicycles that can really perform. We get just as excited about each new breakthrough... even the seemingly insignificant ones... as do our riding friends throughout the world. The products introduced in this catalogue are our finest... and therefore the best that money can buy... each designed and produced with tender loving care. They're made for bicycle lovers by bicycle lovers.

By  **SHIMANO**

- ④ Shifting Lever "BAREND CONTROL" P.18
- ④ Shifting Lever "DURA-ACE"P.19
- ④ Hub "DURA-ACE"P.22
- ④ Fork Ends "SHIMANO-SF"P.30
- ④ Rear Derailleur "CRANE"P.8
- ④ Multiple Free WheelP.16
- ④ Front Chain Wheel "DURA-ACE" ...P.13



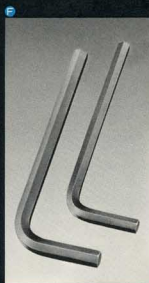


① Front Derailleur "TITLIST"	P.12
① Caliper Brake "DURA-ACE"	P.26
① Brake Lever "DURA-ACE"	P.27
② Head Parts "DURA-ACE"	P.32
③ Outer Casing & Inner Cable	P.33
④ Accessories	P.33
⑤ Tool/Boss Type Multiple Freewheel	
Removal Tool.....	P.34
⑥ Tool/Hexagon Wrench Key	P.34
⑦ Tool/Cotterless Crank Extractor	P.34
⑧ Tool/Chainwheel Screw Peg	
Spanner	P.34



④ Hub "DURA-ACE"	P.23
④ Fork Ends "SHIMANO-TF"	P.30
④ Sprocket.....	P.17
④ Front Chain Wheel "DURA-ACE" ...	P.14
④ Head Parts.....	P.32
④ Tool/Hexagon Wrench key	P.34
④ Tool/Cotterless Crank Extractor	P.34
④ Tool/Chainwheel Screw Peg	P.34
④ Spanner	P.34

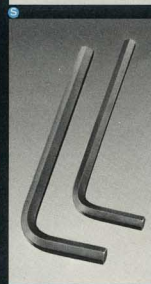
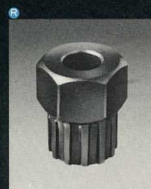
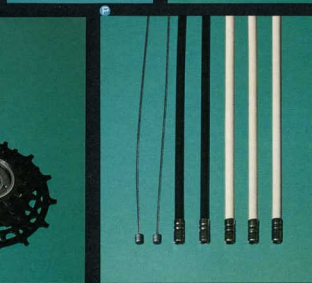
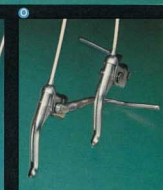






4	Shifting Lever "FINGER-TIP"	P.20
5	Shifting Lever "SUPER SHIFTER"	P.21
6	Spoke Protector	P.31
7	Hub (Quick Release Type)	P.24
8	Hub (Wing Nut)	P.25
9	Fork Ends "SHIMANO-LF"	P.30
10	Rear Derailleur "TITLIST"	P.10
11	Rear Derailleur "CRANE-GS"	P.9
12	Rear Derailleur "TITLIST-GS"	P.11





- Front Derailleur "TITLIST"P.12
- Front Chain Wheel "TITLIST"P.15
- Multiple Free WheelP.17
- Caliper Brake "TOURNEY"P.28
- Brake Lever (Hooded Lever)P.29
- Brake Lever (Extension Lever)P.29
- Outer Casing & Inner CableP.33
- AccessoriesP.33
- Tool/Boss Type Multiple Freewheel Removal ToolP.34
- Tool/Hexagon Wrench KeyP.34
- Tool/Cotterless Crank ExtractorP.34
- Tool/Chainwheel Screw Peg SpannerP.34

REAR DERAILLEUR

Model D-501

CRANE

SPECIFICATIONS

Capacity: 28 teeth

Weight: 7.9 oz (225 g)

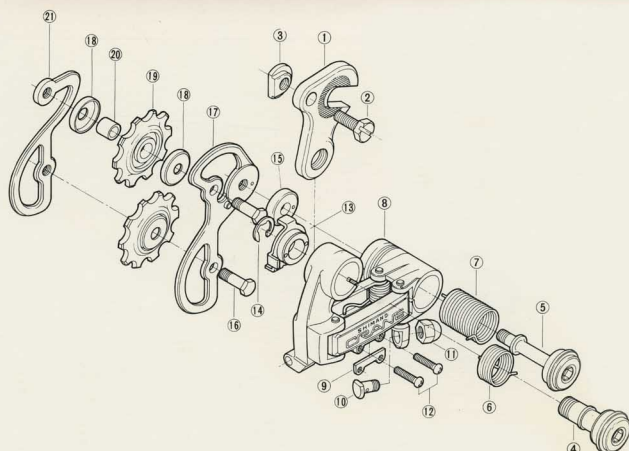
Material: Light Alloy

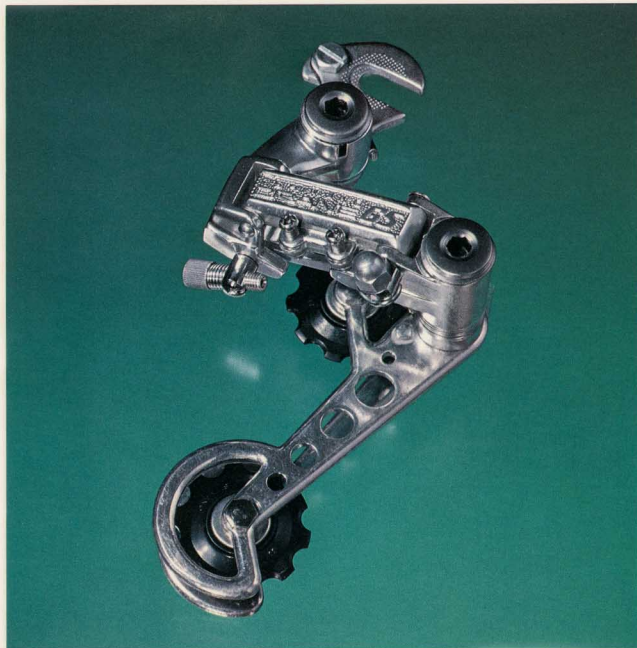
Type: Servo Pantograph Mechanism

With Adapter: Model D-500

PARTS LIST

Adapter	527 2400
①	
Adapter Screw (M5 x 12)	000 1104
②	
Adapter Nut	511 3500-1
③	
Adapter Mounting Bolt	527 0200
④	
Plate Mounting Bolt	527 1300
⑤	
B-Tension Spring	528 1100
⑥	
P-Tension Spring	527 1400
⑦	
Mechanism Assembly	527 9001
⑧	
Adjusting Plate	527 0700
⑨	
Cable Fixing Bolt	521 1500-1
⑩	
Cable Fixing Nut	527 0900
⑪	
Adjusting Screw	527 0800
⑫	
Adapter Bushing	528 9002
⑬	
Stop Ring	528 1200
⑭	
Plate Bushing	527 1500
⑮	
Pulley Bolt	511 2600-1
⑯	
Inner Cage Plate	527 1600
⑰	
Pulley Cap	511 2700-1
⑱	
Pulley	527 1800
⑲	
Pulley Bushing	511 2900
⑳	
Outer Cage Plate	527 1900
㉑	





REAR DERAILLEUR

Model D-510

CRANE GS

SPECIFICATIONS

Capacity: 34 teeth

Weight: 9.5 oz (270 g)

Material: Light Alloy

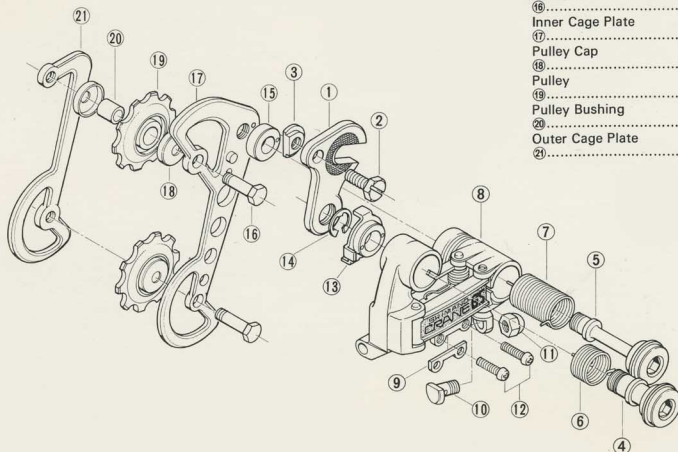
Type: Servo Panta Mechanism (Long Cage Plate)

Without Adapter: Model D-511

PARTS LIST

Adapter

①.....	527 2400
Adapter Screw	
②.....	000 1104
Adapter Nut	
③.....	511 3500-1
Adapter Mounting Bolt	
④.....	527 0200
Plate Mouning Bolt	
⑤.....	527 1300
B-Tension Spring	
⑥.....	528 1100
P-Tension Spring	
⑦.....	528 0700
Mechanism Assembly	
⑧.....	527 9002
Adjusting Plate	
⑨.....	527 0700
Cable Fixing Bolt	
⑩.....	521 1500-1
Cable Fixing Nut	
⑪.....	527 0900
Adjusting Screw	
⑫.....	527 0800
Adapter Bushing Assembly	
⑬.....	528 9002
Stop Ring	
⑭.....	528 1200
Plate Bushing	
⑮.....	527 1500
Pulley Bolt	
⑯.....	511 2600-1
Inner Cage Plate	
⑰.....	528 0801
Pulley Cap	
⑱.....	511 2600-
Pulley	
⑲.....	528 0801
Pulley Bushing	
⑳.....	511 2700-1
Outer Cage Plate	
㉑.....	522 1402



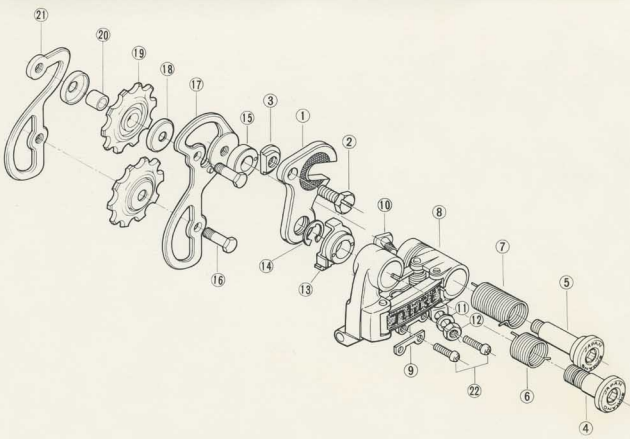
REAR DERAILLEUR
Model D-600

Titlist

SPECIFICATIONS
 Capacity: 28 teeth
 Weight: 9.9 oz (280 g)
 Material: Light Alloy (Body), Steel (Cage Plate)
 Type: Servo Panta Mechanism
 Without Adapter: *Model D-601*

PARTS LIST

Adapter	
①.....	527 2401
Adapter Screw (M5 x 12)	
②.....	000 1104
Adapter Nut	
③.....	511 3500-1
Adapter Mounting Bolt	
④.....	528 0200
Plate Mounting Bolt	
⑤.....	528 0600
B-Tension Spring	
⑥.....	528 1100
P-Tension Spring	
⑦.....	527 1400
Mechanism Assembly	
⑧.....	528 9003
Adjusting Plate	
⑨.....	527 0700
Cable Fixing Bolt	
⑩.....	521 1500
Cable Fixing Washer	
⑪.....	511 1600
Cable Fixing Nut	
⑫.....	525 1800
Adapter Bushing Assembly	
⑬.....	528 9002
Stop Ring	
⑭.....	528 1200
Plate Bushing	
⑮.....	527 1500
Pulley Bolt	
⑯.....	511 2600-1
Inner Cage Plate	
⑰.....	527 1601
Pulley Cap	
⑱.....	511 2700-1
Pulley	
⑲.....	521 3100
Pulley Bushing	
⑳.....	511 2900
Outer Cage Plate	
㉑.....	527 1901
Adjusting Screw	
㉒.....	527 0800





REAR DERAILLEUR

Model D-610

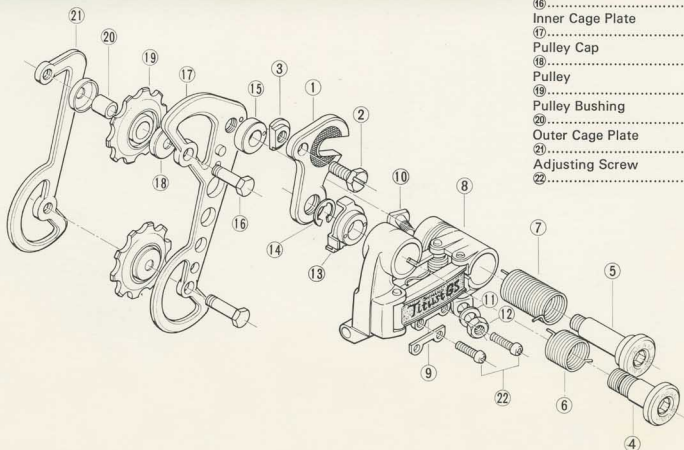
Titlist GS

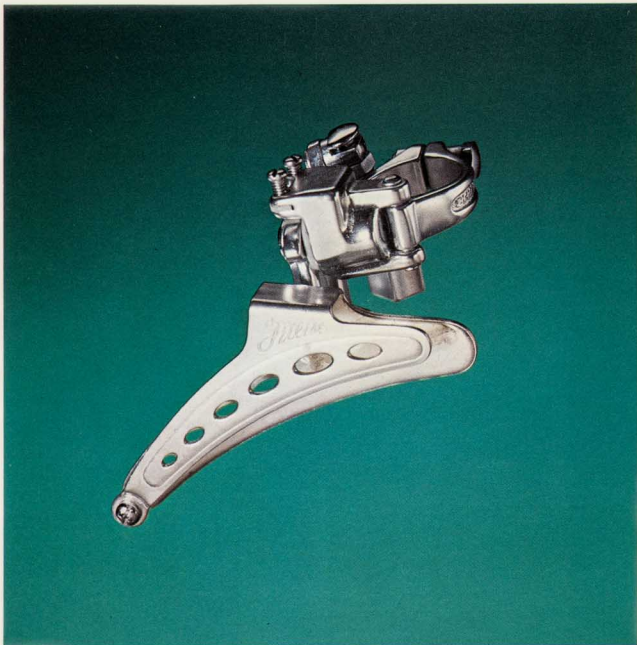
SPECIFICATIONS

Capacity: 34 teeth
Weight: 10.9 oz (310 g)
Material: Light Alloy (Body), Steel (Cage Plate)
Type: Servo Panta Mechanism
Without Adapter: Model D-611

PARTS LIST

Adapter	
①.....	527 2401
Adapter Screw (M5 x 12)	
②.....	000 1104
Adapter Nut	
③.....	511 3500-1
Adapter Mounting Bolt	
④.....	528 0200
Plate Mounting Bolt	
⑤.....	528 0600
B-Tension Spring	
⑥.....	528 1100
P-Tension Spring	
⑦.....	528 0700
Mechanism Assembly	
⑧.....	528 9001
Adjusting Plate	
⑨.....	527 0700
Cable Fixing Bolt	
⑩.....	521 1500
Cable Fixing Washer	
⑪.....	511 1600
Cable Fixing Nut	
⑫.....	525 1800
Adapter Bushing Assembly	
⑬.....	528 9002
Stop Ring	
⑭.....	528 1200
Plate Bushing	
⑮.....	527 1500
Pulley Bolt	
⑯.....	511 2600-1
Inner Cage Plate	
⑰.....	525 0520
Pulley Cap	
⑱.....	511 2700-1
Pulley	
⑲.....	521 3100
Pulley Bushing	
⑳.....	511 2900
Outer Cage Plate	
㉑.....	522 1410
Adjusting Screw	
㉒.....	527 0800





FRONT DERAILLEUR

Model E-304

Titlist

SPECIFICATIONS

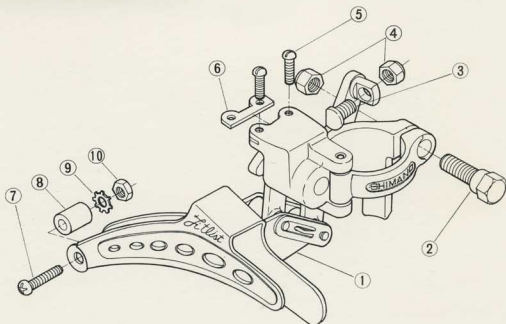
Weight: 4.9 oz (140 g)

Material: Light Alloy (Body), Steel (Chain Guide)

Type: Lower Inlet Type

PARTS LIST

Mechanism Assem. Lower Inlet Type (1-1/8")	
①.....	584 9001
Clamp Bolt	
②.....	584 0700
Cable Fixing Bolt	
③.....	521 1501
Cable Fixing Nut	
④.....	525 1801
Adjusting Bolt (M4 x 12)	
⑤.....	584 1300
Adjusting Plate	
⑥.....	584 1400
Bolt (M4 x 16)	
⑦.....	000 1002
Bushing	
⑧.....	584 1100
Toothed Lock Washer	
⑨.....	521 1800
Nut (M4)	
⑩.....	581 2001

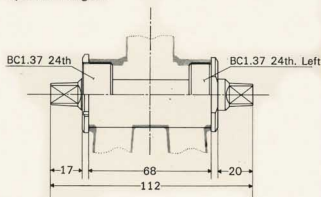


FRONT CHAIN WHEEL

DURA-ACE

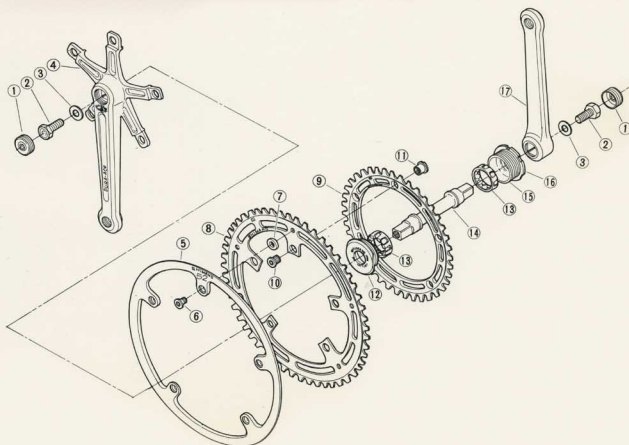
SPECIFICATIONS

Material: Light Alloy
Type: Cotterless
Chain Ring: 1/2" x 3/32" Chain (2m/m)
Teeth: Inner Chain Ring 39~48 teeth
Outer Chain Ring 48~55 teeth
Crank Lengths: 6-1/2"(165m/m),
6-3/4"(170m/m)
Crank Screw: 9/16" x 20t.
Cup Screw: 1.37" x 24t.
Spindle Length:



PARTS LIST

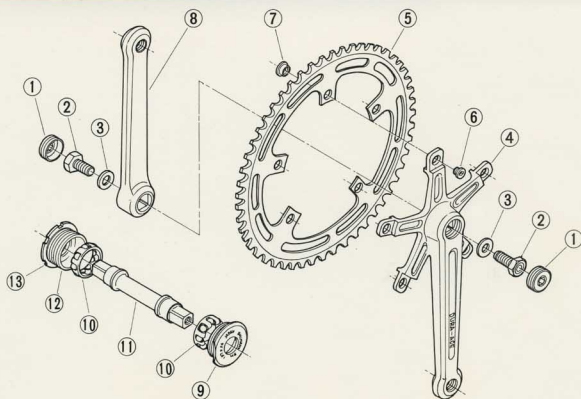
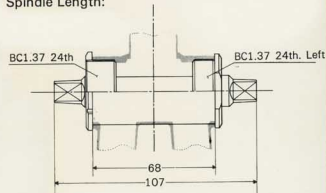
Crank Arm Cap	
①.....	134 0200
Fixing Bolt	
②.....	134 0300
Fixing Washer	
③.....	134 0400
Right Crank Arm 165m/m (6-1/2") W	
④.....	132 0101
Right Crank Arm 170m/m (6-3/4") W	
⑤.....	132 0103
Chain Guard	
⑥.....	132 0200
Guard Fixing Bolt	
⑦.....	132 0300
Guard Fixing Spacer	
⑧.....	132 0400
Chain Wheel 52 teeth	
⑨.....	132 5200
Chain Wheel 39 teeth	
⑩.....	132 3900
Chain Wheel Fixing Bolt	
⑪.....	132 0500
Chain Wheel Fixing Nut	
⑫.....	132 0600
R.H. Fixed Cup (1.37 x 24)	
⑬.....	137 0200
Steel Ball Retainer	
⑭.....	137 9001
Bottom Bracket Spindle 112 mm W	
⑮.....	137 0100
L.H. Adjustable Cup (1.37 x 24)	
⑯.....	137 0400
Lock Ring	
⑰.....	137 0500
Left Crank Arm 165 mm (6-1/2")	
⑱.....	134 0101
Left Crank Arm 170 mm (6-3/4")	
⑲.....	134 0103

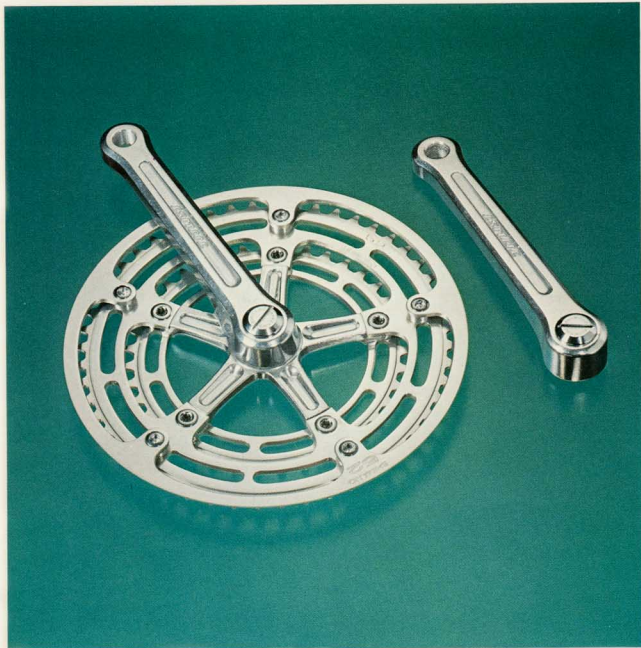


FRONT CHAIN WHEEL **DURA-ACE**

SPECIFICATION

Material: Light Alloy
Type: Cotterless
Chain Ring: 1/2" x 1/8" Chain
Teeth: 44~55 teeth
Crank Length: 165mm, 170mm
Crank Screw: 9/16" x 20t.
Cup Screw: 1.37" x 24t.
Spindle Length:



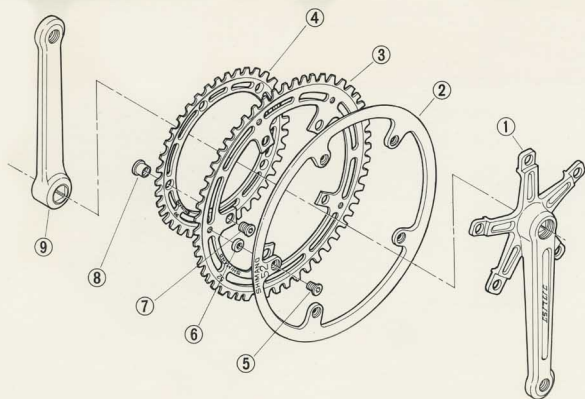


FRONT CHAIN WHEEL

Titlist

SPECIFICATIONS

Material: Light Alloy
 Type: Cotterless
 Chain Ring: 1/2" x 3/32" Chain (2m/m)
 Teeth: Inner Chain Ring 39~48teeth
 Outer Chain Ring 48~55teeth
 Crank Lengths: 6-1/2" (165m/m)
 Crank Screw: 9/16" x 20t.
 Cup Screw: 1.37" x 24t.



MULTIPLE FREE WHEELS

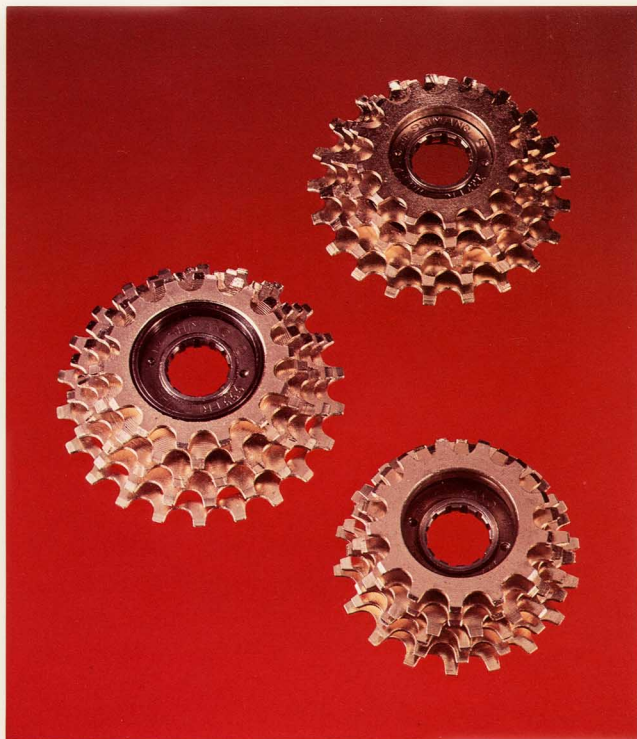
SPECIFICATIONS

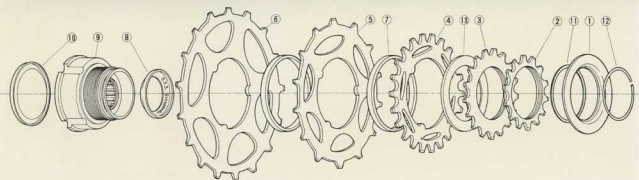
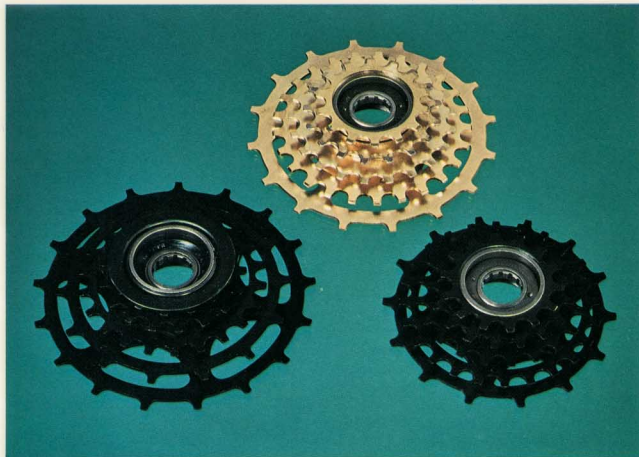
Standard Sprocket: 1/2" x 3/32" Chain (2m/m)

Thread: 1.37" x 24 T.P.I.

Standard Sprocket Combination:

5-speed	13, 15, 17, 19, 21T
	14, 16, 18, 20, 22T
	15, 17, 19, 21, 24T
6-speed	13, 14, 15, 16, 17, 18T
	13, 15, 17, 19, 21, 23T





SPROCKET

**Model FR-912/FR-913/FR-914
/FR-915/FR-916**

SPECIFICATIONS

Standard Sprocket: 1/2" x 1/8" Chain (2.5m/m)

Thread: 1.37" x 24 T.P.I.

Material: Chromium Molybdenum Steel

Teeth:

Model	Teeth
FR-912	12T.
FR-913	13T.
FR-914	14T.
FR-915	15T.
FR-916	16T.



MULTIPLE FREE WHEELS

SPECIFICATIONS

Standard Sprocket: 1/2" x 3/32" Chain (2 m/m)

Thread: 1.37" x 24 T.P.I.

Standard Sprocket Combination

5-Speed	15, 17, 19, 21, 24T.
	14, 17, 20, 24, 28T.
	14, 17, 22, 27, 32T.
	14, 17, 21, 26A, 32AT.
	14, 17, 21, 26A, 32AT. (LT)
	14, 17, 22, 28, 34T.
	14, 17, 22, 28A, 34AT.
	14, 17, 22, 28A, 34AT. (LT) ※

(LT) : with Seal and Top Protector

A : Alternate Teeth Sprocket

※PARTS LIST and EXPLODED VIEW show specification asterisked.

PARTS LIST

Top Protector	
①... Proprector	121 5100-2
Sprocket Wheel 14T	
②.....	121 1402
Sprocket Wheel 17T	
③.....	121 1729
Sprocket Wheel 22T	
④.....	123 2201
Sprocket Wheel 28T (Alternate)	
⑤.....	123 2802
Sprocket Wheel 34T (Alternate)	
⑥.....	123 3402
Sprocket Wheel Spacer	
⑦.....	121 4810
Seal Cap A	
⑧.....	121 5010
Outer Assembly	
⑨.....	121 9052
Seal Cap B	
⑩.....	121 5030
Shim	
⑪.....	121 5200
Snap Ring	
⑫.....	121 5300
Spacer	
⑬.....	121 4880

SHIFTING LEVERS

Model L-600

"FINGER-TIP" BAREND CONTROL

SPECIFICATIONS

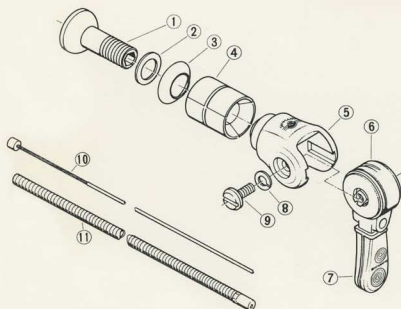
Weight: 2.8 oz (80g)

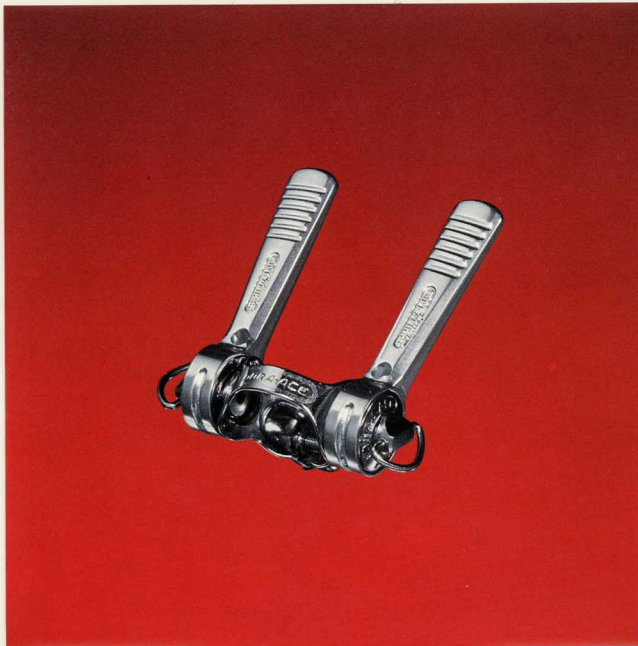
Material: Light Alloy

Use: 10-speed

PARTS LIST

Anchor Bolt	
①.....	628 0600
Plastic Washer	
②.....	622 1000
Tapered Washer	
③.....	628 1300
Segment Assembly with Spring	
④.....	628 9001
Body	
⑤.....	628 9002
Lever Assembly with Lever Cap	
⑥.....	628 9003
Lever Cap	
⑦.....	628 0990
Spring Washer	
⑧.....	622 2600
Lever Fixing Bolt	
⑨.....	628 0100
Front Inner Cable	
⑩.....	
Rear Inner Cable	
⑪.....	
Lever End Outer Casing	
⑫.....	
Front Derailleur Outer Casing	
⑬.....	
Rear Derailleur Outer Casing	
⑭.....	





SHIFTING LEVER

Model L-284

DURA-ACE

SPECIFICATIONS

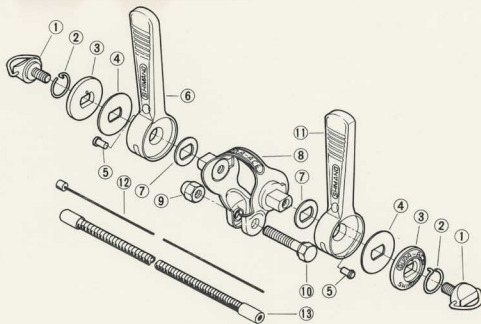
Weight: 2.65 oz (75g)

Material: Light Alloy

Use: 10-speed

PARTS LIST

Wing Screw	
①.....	681 9001
Clutch Spring	
②.....	681 1300
Cap	
③.....	681 0300
Spring Washer	
④.....	681 0400
Stopper	
⑤.....	681 1000
L.H. Lever	
⑥.....	681 0600
Washer A	
⑦.....	681 0700
Clamp (1-1/8")	
⑧.....	681 9002
Clamp Nut	
⑨.....	681 1200
Clamp Bolt	
⑩.....	681 1100
R.H. Lever	
⑪.....	681 0500
Front Inner Cable	
⑫.....	
Rear Inner Cable	
⑬.....	
Front Outer Casing	
⑭.....	
Rear Outer Casing	
⑮.....	



SHIFTING LEVERS

Model L-264/L-268/L-266/L-263/

L-267/L-265

FINGER-TIP

SPECIFICATIONS

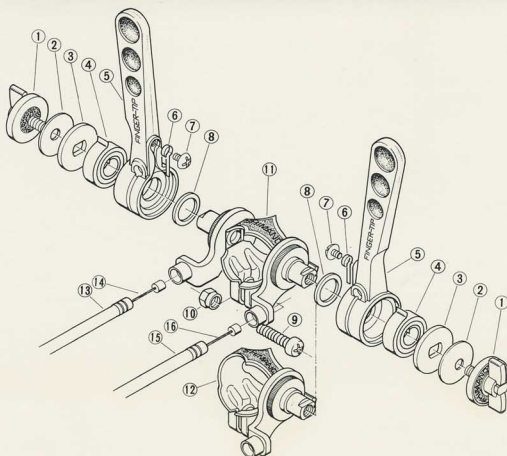
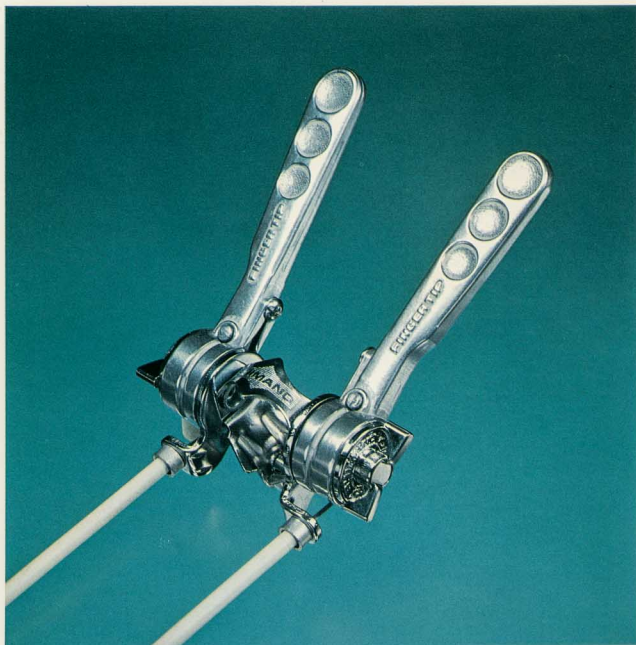
Material: Light Alloy

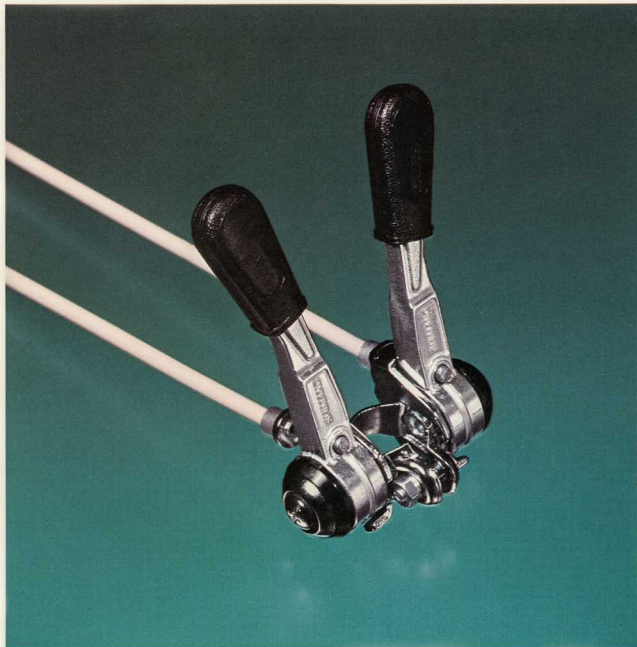
Type:

Model	Lever Clamp Diameter	Use
L-264	1-1/8"	10-Speed
L-268	0.833"	10-Speed
L-266	7/8 "	10-Speed
L-263	1-1/8"	5-Speed
L-267	0.833"	5-Speed
L-265	7/8 "	5-Speed

PARTS LIST

Wing Bolt Assembly	
①.....	627 9001
Coned Disc Spring	
②.....	627 0700
Non-Turn Washer	
③.....	627 0600
Spiral Spring	
④.....	627 0500
Lever	
⑤.....	627 0100
Leaf Spring	
⑥.....	627 1100
Screw	
⑦.....	627 1000
Washer	
⑧.....	627 0400
Clamp Bolt (M4.5 x 24)	
⑨.....	622 0100
Clamp Nut (M4.5)	
⑩.....	622 0200
Clamp For 10-Speed (1")	
⑪.....	627 9002
Clamp For 10-Speed (1-1/8")	
⑫.....	627 9003
Clamp For 5-Speed (1")	
⑬.....	627 9004
Clamp For 5-Speed (1-1/8")	
⑭.....	627 9005
Front Outer Casing	
⑮.....	
Front Inner Cable	
⑯.....	
Rear Outer Casing	
⑰.....	
Rear Inner Cable	
⑱.....	





SHIFTING LEVERS

Model L-254/L-258/L-256/L-253/
L-257/L-255

SUPER SHIFTER

SPECIFICATIONS

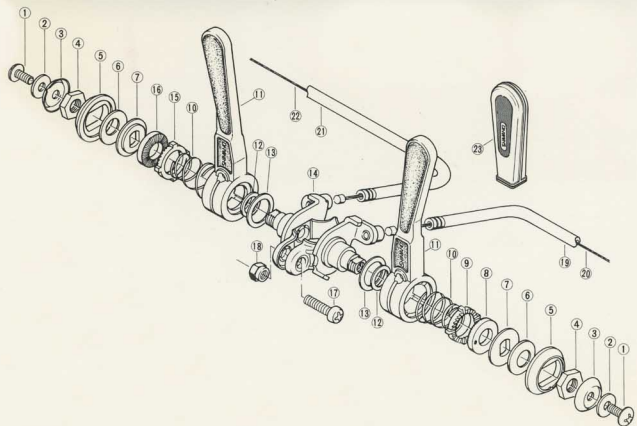
Material: Light Alloy

Type:

Model	Lever Clamp Diameter	Use
L-254	1-1/8"	10-Speed
L-258	0.833"	10-Speed
L-256	7/8"	10-Speed
L-253	1-1/8"	5-Speed
L-257	0.833"	5-Speed
L-255	7/8"	5-Speed

PARTS LIST

Lever Bolt (M4.5 x 10)	625 1400
Rubber Washer	627 1400
Cap	625 0400-1
Lock Nut	521 2500
Washer B	625 1500
Coned Disc Spring	641 1100
Non-Turn Washer	625 0200-1
R.H. Ratchet B with O-Mark	625 0901
R.H. Ratchet A with O-Mark	625 0801
Spring	625 1000
Lever	625 0100
Washer S	625 1100
Washer L	625 1200
Clamp for 10-Speed (0.833")	625 9002
Clamp for 10-Speed (7/8")	625 9004
L.H. Ratchet A	625 0802
L.H. Ratchet B	625 0902
Clamp Bolt (M4.5 x 18)	612 1700
Clamp Nut (M4.5)	622 0200
Rear Outer Casing	
Rear Inner Cable	
Front Outer Casing	
Front Inner Cable	
Lever Cap	626 1900



FRONT & REAR HUBS

Model H-731 (Front)/H-831 (Rear): Large Flange Hub

Model HS-731 (Front)/HS-831 (Rear): Small Flange Hub

DURA-ACE

SPECIFICATIONS/Large Flange Hub

Weight: Front 9.2oz (260g), Rear 12.7oz (360g)

Material: Light Alloy

Type: Large Flange, Small Flange, Quick Release

Thread: 1.37" x 24 T.P.I.

Over Lock Nut Dimensions:

Front 3.94" (100mm), Rear 4.72" (120mm)

Spoke Holes: 36 x 36H.

SPECIFICATIONS/Small Flange Hub

Weight: Front 7.8oz (220g), Rear 10.2oz (290g)

Material: Light Alloy

Type: Small Flange, Quick Release

Thread: 1.37" x 24 T.P.I.

Over Lock Nut Dimension:

Front 3.94" (100mm), Rear 4.72" (120mm)

Spoke Holes: 36 x 36H.

PARTS LIST/Front

Nut for Mounting Stud

①.....233 9001

Volute Spring

②.....233 2100

Mounting Stud

③.....233 0800

Cum Lever

④.....233 0400

Body Cum Lever

⑤.....233 0300

Bushing

⑥.....233 0700

Coned Disc Spring

⑦.....233 0500

Cap Nut

⑧.....233 0600

Dust Cap

⑨.....233 1400

Steel Balls 3/16"

⑩.....000 0125

Locking Nut

⑪.....233 1700

Key Washer

⑫.....233 1600

Cone

⑬.....233 1500

Axle (M9 x 108 mm)

⑭.....233 1800

Oil Cap

⑮.....233 1200

Complete Quick Release

Unit

⑯.....233 9002

Complete Axle Unit

⑰.....233 9003

PARTS LIST/Rear

Nut for Mounting Stud

①.....233 9001

Volute Spring

②.....233 2100

Mounting Stud

③.....243 0800

Cum Lever

④.....233 0400

Body Cum Lever

⑤.....233 0300

Bushing

⑥.....233 0700

Coned Disc Spring

⑦.....233 0500

Cap Nut

⑧.....233 0600

Dust Cap

⑨.....243 1400

Steel Balls 1/4"

⑩.....000 0135

Locking Nut

⑪.....243 0700

Key Washer

⑫.....243 1600

Cone

⑬.....243 1500

Axle (M10 x 130 mm)

⑭.....243 2000

Lock Nut

⑮.....243 1800

Spacer

⑯.....243 1900

Oil Cap

⑰.....233 1200

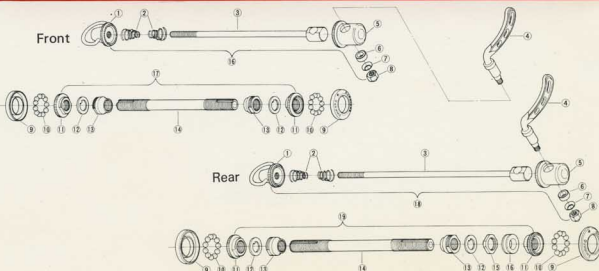
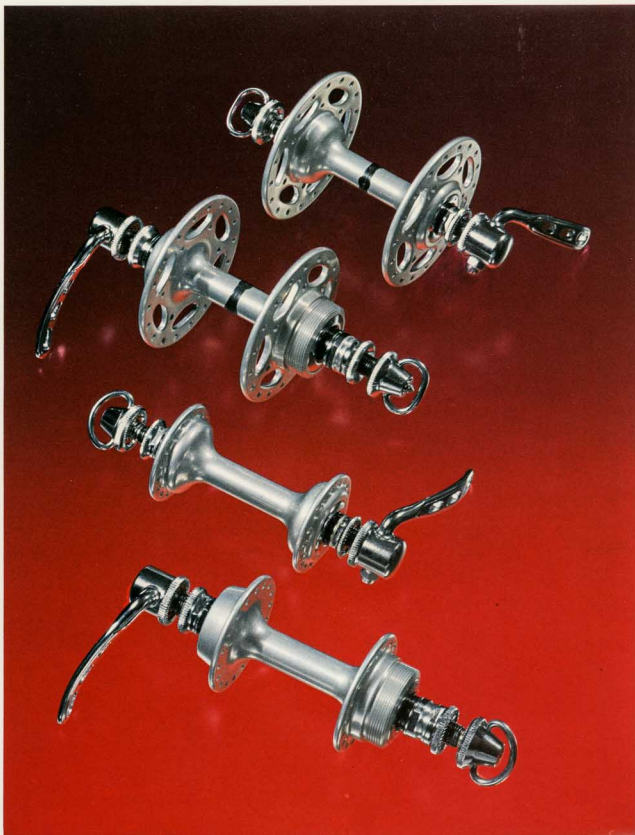
Complete Quick Release

Unit

⑱.....243 9002

Complete Axle Unit

⑲.....243 9004





FRONT & REAR HUB

Model H-741 (Front), H-841 (Rear): Large Flange Hub/

Model -HS741 (Front), HS-841 (Rear): Small Flange Hub

DURA-ACE

SPECIFICATIONS

Weight: Large Flange Hub, Front 8.5 oz (240g), Rear 10.2 oz (290g)

Small Flange Hub, Front 7.1 oz (200g), Rear 8.8 oz (250g)

Material: Light Alloy

Type: Large Flange, Small Flange, Solid Axle

Thread: 1.37" x 24 T.P.I.

Over Lock Nut Dimensions:

Front 3.94" (100mm), Rear 4.33" (110mm)

Spoke Holes: 36 x 36H.

FRONT & REAR HUBS

Model H-710 (Front) /H-810 (Rear)

SPECIFICATIONS

Weight: Front 9.5oz (270g), Rear 12.7oz (360g)

Material: Light Alloy

Type: Large Flange, Quick Release

Thread: 1 3/4" x 24 T.P.I.

Over Lock Nut Dimension: Front 3.78"(96mm), Rear 4.88"(124mm)

Spoke Holes: 36 x 36H.

PARTS LIST/Front Hub

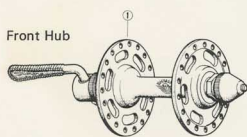
Complete Front Hub (36H)	231 811101
①.....	231 811101
Complete Axle Unit	231 9003
②.....	231 9003
Axle	231 0300
③.....	231 0300
Steel Balls 3/16"	000 0121
④.....	000 0121
Dust Cap	231 1300
⑤.....	231 1300
Cone	231 0400
⑥.....	231 0400
Key Washer	231 1500
⑦.....	231 1500
Locking Nut	210 0820
⑧.....	210 0820
Complete Quick Release Unit	231 9001
⑨.....	231 9001
Mounting Stud	231 0900
⑩.....	231 0900
Volute Spring	231 1100
⑪.....	231 1100
Nut for Mounting Stud	231 1000-1
⑫.....	231 1000-1
Cum Lever	231 0600-1
⑬.....	231 0600-1
Body Cum Lever	231 0500-1
⑭.....	231 0500-1
Spring Washer	231 0700
⑮.....	231 0700
Cap Nut	231 0800
⑯.....	231 0800

PARTS LIST/Rear Hub

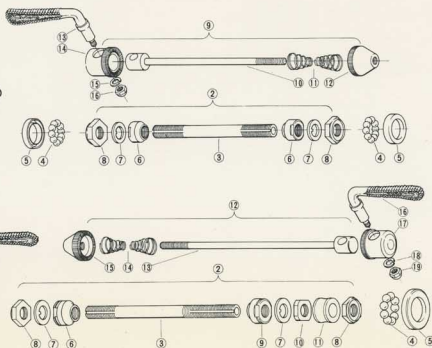
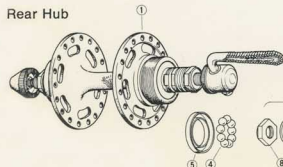
Complete Rear Hub (36H)	241 61101
①.....	241 61101
Complete Axle Unit	241 9003
②.....	241 9003
Axle	241 0300-1
③.....	241 0300-1
Steel Balls 1/4"	000 0131
④.....	000 0131
Dust Cap	241 0600
⑤.....	241 0600
L.H. Cone (0.59")	220 0820-2
⑥.....	220 0820-2
Key Washer	241 0700-1
⑦.....	241 0700-1
Locking Nut	220 0501
⑧.....	220 0501
R.H. Cone (0.51")	220 0800-2
⑨.....	220 0800-2
Lock Nut	200 0400-1
⑩.....	200 0400-1
Spacer (0.47")	241 0800
⑪.....	241 0800
Complete Quick Release Unit	241 9001
⑫.....	241 9001
Mounting Stud	241 0400
⑬.....	241 0400
Volute Spring	231 1100
⑭.....	231 1100
Nut for Mounting Stud	231 1000-1
⑮.....	231 1000-1
Cum Lever	231 0600-1
⑯.....	231 0600-1
Body Cum Lever	231 0500-1
⑰.....	231 0500-1
Spring Washer	231 0700
⑱.....	231 0700
Cap Nut	231 0800
⑲.....	231 0800



Front Hub



Rear Hub





FRONT & REAR HUBS

Model H-720 (Front)/H-820 (Rear)

SPECIFICATIONS

Weight: Front 8.2oz (230g), Rear 12.3oz (350g)

Material: Light Alloy

Type: Large Flange Solid Axle Type with Wing Nut

Thread: 1.37" x 24 T.P.I.

Over Lock Nut Dimension:

Front 3.78" (96m/m), Rear 4.88" (124m/m)

Spoke Holes: 36 x 36H.

PARTS LIST/Front Hub

Complete Front Hub W/Wing Nut 36H 5/16" x 5.52" (140m/m)

①.....232 82202

Complete Axle Unit 5/16" x 5.52" (140m/m)

②.....232 9005

Axle 5/16" x 5.52" (140m/m)

③.....210 0320

Steel Balls 3/16"

④.....000 0121

Dust Cap

⑤.....210 0902

Cone

⑥.....210 0400-1

Lock Nut

⑦.....210 0810

Front Wing Nut

⑧.....210 9002

PARTS LIST/Rear Hub

Complete Rear Hub W/Wing Nut

36H 3/8" x 7.09" (180m/m)

①.....242 64302

Complete Axle Unit 3/8" x 7.09" (180m/m)

②.....242 9005

Axle 3/8" x 7.09" (180m/m)

③.....220 0330

Steel Balls 1/4"

④.....000 0131

Dust Cap

⑤.....220 0702

Cone

⑥.....220 0820-1

Lock Nut A

⑦.....200 0401

Spacer A 0.45" (11.5m/m)

⑧.....220 0420-1

Spacer B 1/16" (1.5m/m)

⑨.....220 0400-1

Lock Nut B 1/8"

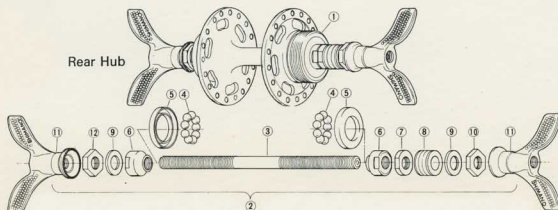
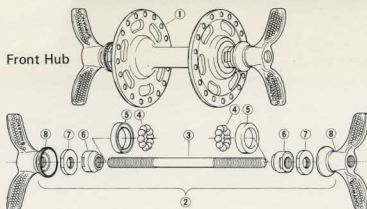
⑩.....321 3800

Rear Wing Nut

⑪.....220 9002

Lock Nut C 3/16"

⑫.....220 0510-1



CALIPER BRAKE

Model B-210

DURA-ACE

SPECIFICATIONS

Weight: Front 7.1 oz (200g), Rear 7.1 oz (200g)

Material: Light Alloy

Type: Side Pull with Quick Release

PARTS LIST

Lock Nut for Pivot Bolt

① 855 0900

Washer (M6)

② 855 1000

R-Washer

③ 855 2700

Pivot Bolt

④ 855 0300

Arm Return Spring

⑤ 855 2800

Arm Washer

⑥ 855 0500

Brake Arm "Y" Shape

⑦ 855 0100

Brake Arm "C" Shape

⑧ 855 0200

Washer

⑨ 855 0600

Lock Nut (M6)

⑩ 855 0700

Cap Nut (M6)

⑪ 855 0800

Outer Adjust Bolt

⑫ 855 2400

Outer Adjust Nut

⑬ 855 2500

Inner Fixing Pin

⑭ 855 1900

Wire Fixing Bolt

⑮ 855 2000

Cap Nut (M5)

⑯ 855 2100

Link Pin

⑰ 855 1600

Quick Lever

⑱ 855 2300

Link

⑲ 855 2200

Washer (M5)

⑳ 855 1700

Nut (M5)

㉑ 855 1800

Shoe Holder Fixing Nut

㉒ 855 1100

Tyre Guide

㉓ 855 1500

Brake Shoe Assembly

㉔ 855 9001

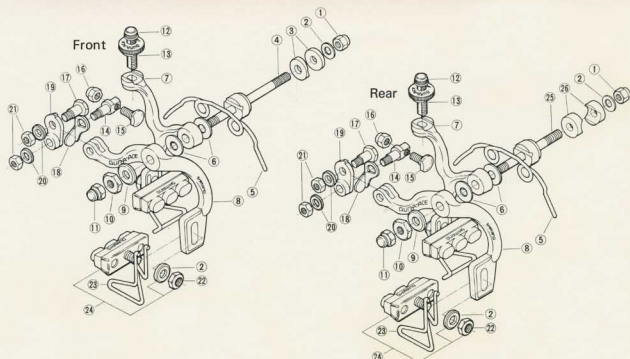
(REAR)

Pivot Bolt

㉕ 855 0400

R-Washer

㉖ 855 2600





BRAKE LEVER

Model M-140

DURA-ACE

SPECIFICATIONS

Weight: 5.2 oz (150g)/1 Pair

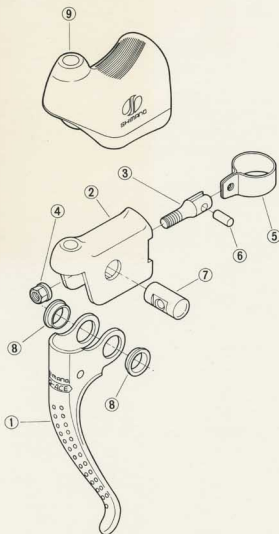
Material: Light Alloy

Type: Hooded Lever

Lever Clamp Diameter: 23.8φ

PARTS LIST

Lever	
①.....	843 9001
Lever Bracket	
②.....	843 0100
Pull Up Bolt	
③.....	843 0700
Pull Up Nut	
④.....	843 0900
Clamp	
⑤.....	843 0600
Joint Pin	
⑥.....	843 0800
Lever Shaft	
⑦.....	843 0500
Bushing	
⑧.....	843 0400
Rubber Cover	
⑨.....	843 1000



CALIPER BRAKE Model B-110/B-120

Tourney

SPECIFICATIONS

Weight: Model B-110, Front 6.0 oz (170 g)

Rear 6.3 oz (180 g)

/Model B-120, Front 6.5 oz (185 g)

Rear 6.2 oz (175 g)

Material: Light Alloy

Type: Caliper Brake Center Pull

Type	Model	A~A'	B	Use
CC-65	B-110	47m/m(1-7/8")~65m/m(2-1/2")	59m/m(2-5/16")	27"
CC-75	B-120	57m/m(2-1/4")~75m/m(3")	65m/m(2-1/2")	26"

PARTS LIST

Front Cable Hanger Complete with Quick Release Unit

①..... 831 9004

Front Cable Hanger Complete

①..... 831 9005

Cable Anchor Bolt

②..... 831 5300

Cable Carrier

③..... 831 5200

Cable Anchor Washer

④..... 831 5400

Cable Anchor Nut

⑤..... 831 0700

Cable Carrier Complete

⑥..... 831 9010

Lock Nut for Center Bolt

⑦..... 831 3700

Toothed lock Washer

⑧..... 811 6100

Washer

⑨..... 831 0600

Concave Washer for Front Brake

⑩..... 811 6000

Square Concave Washer for Front Brake

⑪..... 831 3300

Lock Nut for Pivot Bolt

⑫..... 831 0700

Arm Bridge with Center Bolt

(63m/m) 2-1/2"

⑬..... 831 9001

Arm Bridge with Center Bolt

(71m/m) 2-3/4"

⑭..... 831 9002

L.H. Arm Return Spring

⑮..... 831 2101

R.H. Arm Return Spring

⑯..... 831 2100

Flanged Thrust Washer

⑰..... 831 0500

Inner Brake Arm CC-75 Type

⑱..... 831 0201

Inner Brake Arm CC-65 Type

⑲..... 831 0211

Outer Brake Arm CC-75 Type

⑳..... 831 0200

Outer Brake Arm CC-65 Type

㉑..... 831 0210

Bushing

㉒..... 831 0400

Pivot Bolt

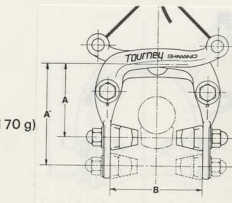
㉓..... 831 0300

Center Cable (90m/m) 3-1/2"

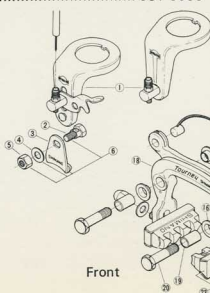
㉔..... 831 5100

Cap Nut for Brake Shoe

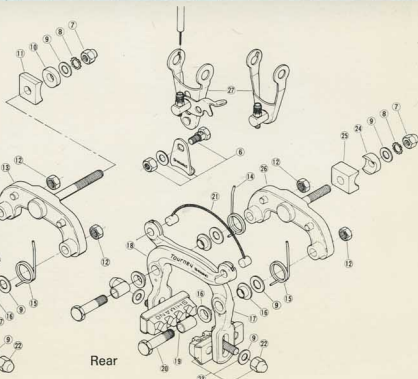
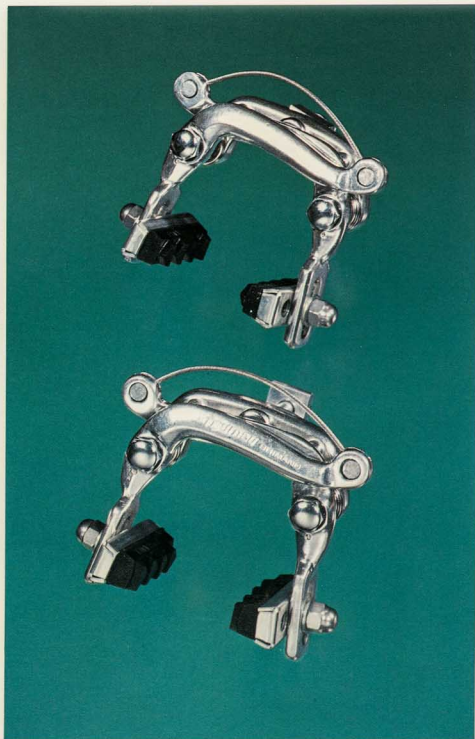
㉕..... 831 4300



Brake Shoe Assembly
㉖..... 831 9009
(REAR)
R-Washer
㉗..... 811 6010
Square Concave Washer for Rear
Brake
㉘..... 831 3400
Arm Bridge with Center Bolt
(42m/m) 1-5/8"
㉙..... 831 9003
Rear Cable Hanger Complete with
Quick Release Unit (23m/m) 7/8"
㉚..... 831 9006
Rear Cable Hanger Complete with
Quick Release Unit (27m/m) 1-1/16"
㉛..... 831 9007
Rear Cable Hanger Complete
(27m/m) 1-1/16"
㉜..... 831 9008



Front



Rear



BRAKE LEVER

Model M-110/M120

HOODED LEVER

SPECIFICATIONS

Weight: 7.1 oz (200g)/1 Pair

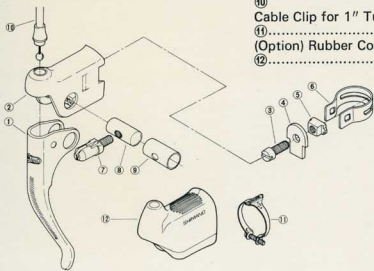
Material: Light Alloy

Type :

Model	Lever Clamp Diameter
M-110	22.2 φ
M-120	23.8 φ

PARTS LIST

Lever	841 0600
Lever Bracket	841 0100



Pull up Bolt	841 0500
Pull up Plate	841 0200
Pull up Nut	841 0400
Clamp 7/8" (22.2 m/m)	841 0300
Clamp 15/16" (23.8 m/m)	841 0301
Cable Anchor Pin	841 1000
Stud for Pull up Bolt	841 0900
Sleeve	841 0700
Front Cable Assembly	
Rear Cable Assembly	
Cable Clip for 1" Tube	831 9011
(Option) Rubber Cover	841 1100



BRAKE LEVER

Model M-210/M-220

DUAL EXTENSION LEVER

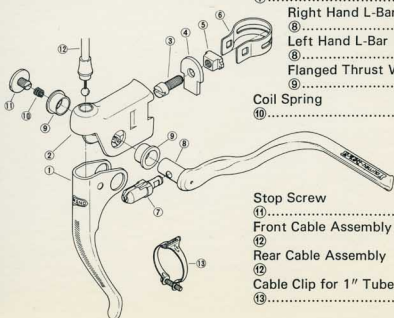
SPECIFICATIONS

Weight: 11.3 oz (320g)/1 Pair

Material: Light Alloy

Type :

Model	Lever Clamp Diameter
M-210	22.2 φ
M-220	23.8 φ



Pull up Bolt	841 0500
Pull up Plate	841 0200
Pull up Nut	841 0400
Clamp 7/8" (22.2 m/m)	841 0300
Clamp 15/16" (23.8 m/m)	841 0301
Cable Anchor Pin	841 1000
Right Hand L-Bar	842 0901
Left Hand L-Bar	842 0902
Flanged Thrust Washer	842 0700
Coil Spring	842 1100
Stop Screw	842 1200
Front Cable Assembly	
Rear Cable Assembly	
Cable Clip for 1" Tube	831 9011



FORK ENDS

Model N-101

SHIMANO-SF

SPECIFICATIONS

Material: Steel

Type: With Adjusting Bolt



PARTS LIST

R.H. Front Fork End	
①.....	710 0100
L.H. Front Fork End	
②.....	710 0200
R.H. Rear End	
③.....	710 0300
L.H. Rear End	
④.....	710 0400
Adjusting Bolt	
⑤.....	710 0500
Adjusting Spring	
⑥.....	710 0600
Nut	
⑦.....	710 0700
Adjusting Bolt, Nut and Spring	
⑧.....	710 9001



FORK ENDS

Model N-103

SHIMANO-TF

SPECIFICATIONS

Material: Steel

Type: Track Type



FORK ENDS

Model N-102

SHIMANO-LF

SPECIFICATIONS

Material: Steel

Type: Without Adjusting Bolt



PARTS LIST

R.H. Front Fork End	
①.....	710 0101
L.H. Front Fork End	
②.....	710 0201
R.H. Rear End	
③.....	710 0301
L.H. Rear End	
④.....	710 0401



P-100



P-310



P-320



P-410



P-420

SPOKE PROTECTOR
Model P-100/P-310/P-320/
P-410/P-420

SPECIFICATIONS

Model	Diameter	Use
P-100	4-1/2" (110 m/m)	24 teeth
P-310	7-1/2" (190 m/m)	28 teeth
P-320	5" (123 m/m)	
P-410	8-1/2" (215 m/m)	34 teeth
P-420	5-1/2" (145 m/m)	



HEAD PARTS

Model K-901

DURA-ACE

SPECIFICATIONS

Material: Chromium Bearing Steel

Type: Road Type

PARTS LIST

Lock Nut

①.....721 0100

Lock Washer

②.....721 0200

Top Bearing Cup

③.....721 0300

Top Bearing Cone

④.....721 0400

Bottom Bearing Cup

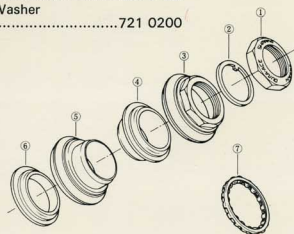
⑤.....721 0500

Crown Cone

⑥.....721 0600

Ball Retainer

⑦.....721 0700



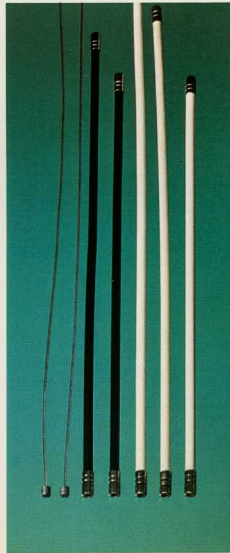
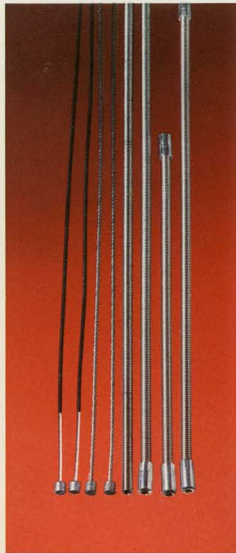
HEAD PARTS

Model K-902

SPECIFICATIONS

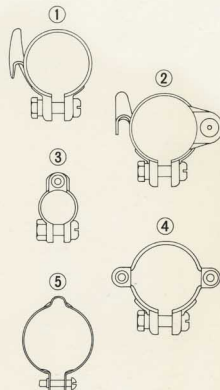
Material: Chromium Bearing Steel

Type: Track Type



CABLE PARTS

- Model K-511**
CABLE GUIDE (1-1/8")W②
- Model K-521**
CABLE STOP (5/8")③
- Model K-522**
CABLE STOP (1/2")③
- Model K-523**
CABLE STOP (1-1/8") S.③
- Model K-541**
OUTER BAND (1")⑤
- Model K-524**
CABLE STOP (1-1/8")W④



CABLE PARTS

- Model K-512**
CABLE GUIDE (1")S.①
- Model K-511**
CABLE GUIDE (1-1/8")W.②
- Model K-514**
CABLE GUIDE (1")S.①
- Model K-513**
CABLE GUIDE (1")W.②
- Model K-521**
CABLE STOP (5/8")③
- Model K-522**
CABLE STOP (1/2")③

- Model K-523**
CABLE STOP (1-1/8")S.③
- Model K-524**
CABLE STOP (1-1/8")W.④
- Model K-541**
OUTER BAND (1")⑤

OUTER CASING & INNER CABLE

STAINLESS OUTER CASING with BOTH CAP

Model	Length
W-601	170 m/m
W-602	280 m/m

STAINLESS OUTER CASING with A CAP

Model	Length
W-621	600 m/m
W-622	630 m/m
W-623	670 m/m

OUTER CASING with BOTH CAP

Model	Length
W-501	180 m/m
W-502	250 m/m
W-503	280 m/m
W-504	360 m/m
W-505	530 m/m
W-506	1,030 m/m
W-507	1,360 m/m
W-508	1,550 m/m

COATED INNER CABLE (1.2 m/mφ)

Model	Length
W-121	1,800 m/m
W-122	1,850 m/m
W-123	1,900 m/m
W-124	1,320 m/m
W-125	1,360 m/m
W-126	1,400 m/m

INNER CABLE (1.5 m/mφ)

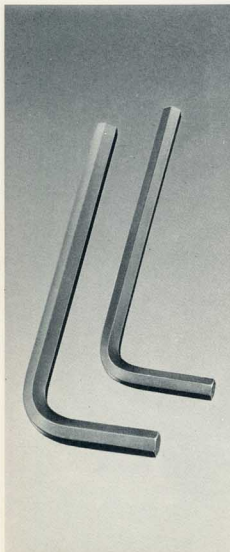
Model	Length
W-641	1,180 m/m
W-642	670 m/m

INNER CABLE (1.2 m/mφ)

Model	Length
W-101	670 m/m
W-102	750 m/m
W-103	1,030 m/m
W-104	1,180 m/m
W-105	1,360 m/m
W-106	1,550 m/m
W-107	1,650 m/m

INNER CABLE (1.5 m/mφ)

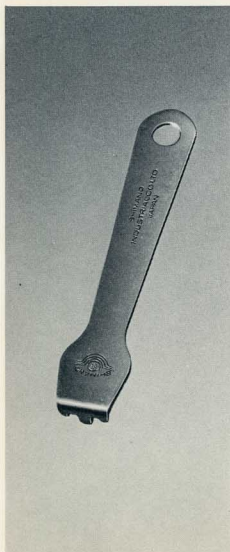
Model	Length
W-201	670 m/m
W-202	750 m/m
W-203	1,030 m/m
W-204	1,180 m/m
W-205	1,360 m/m
W-206	1,550 m/m
W-207	1,650 m/m



HEXAGON WRENCH KEY

Model X-101 (5m/m)

Model X-102 (6m/m)



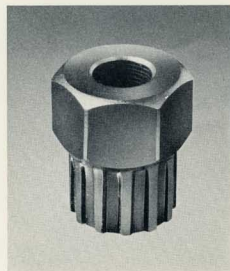
CHAIN WHEEL SCREW
PEG SPANNER

Model X-702



COTTERLESS CLANK
EXTRACTOR

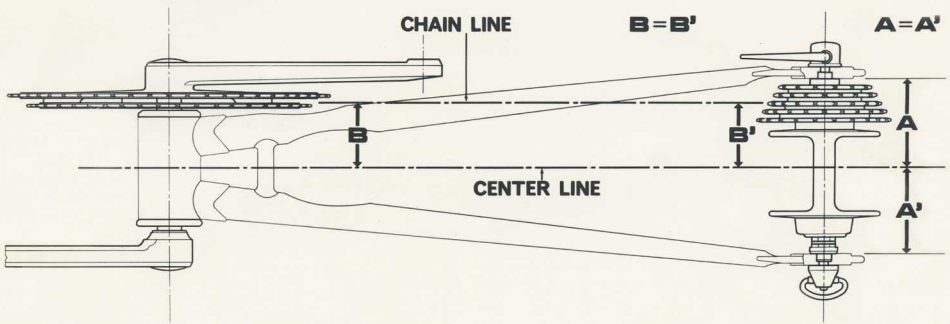
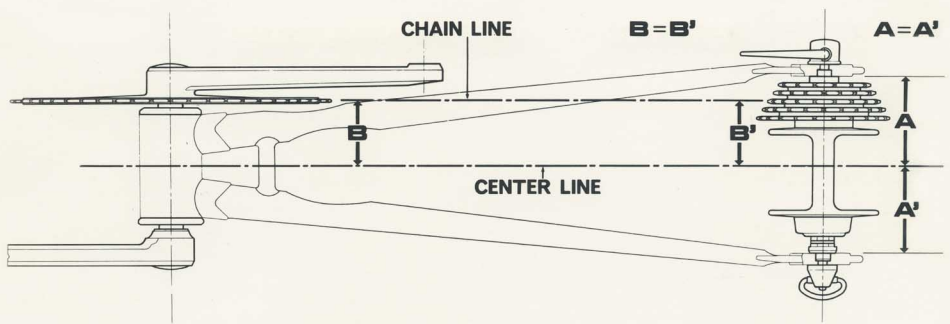
Model X-701



BOSS TYPE MULTIPLE
FREEWHEEL REMOVAL
TOOL

Model X-401

CHAIN LINE



GEAR TABLE

Blue Figures; with 27" Bicycle Wheel, Black Figures; with 26" Bicycle Wheel.

		Chainwheel													
		54T	52T	50T	49T	48T	47T	46T	45T	44T	42T	40T	39T	38T	36T
Rear Gear	13T	112.2 108.0	108.0 104.0	103.8 100.0	101.8 98.0	99.7 96.0	97.6 94.0	95.5 92.0	93.5 90.0	91.4 88.0	87.2 84.0	83.1 80.0	81.0 78.0	78.9 76.0	74.8 72.0
	14T	104.1 100.3	100.3 96.6	96.4 92.3	94.5 91.0	92.6 89.1	90.6 87.3	88.7 85.4	86.8 83.6	84.9 81.7	81.0 78.0	77.1 74.3	75.2 72.4	73.3 70.6	69.4 66.6
	15T	97.2 93.6	93.6 90.1	90.0 86.7	88.2 84.9	86.4 83.2	84.6 81.5	82.8 79.7	81.0 78.0	79.2 76.3	75.6 72.8	72.0 69.3	70.2 67.6	68.4 65.9	64.8 62.4
	16T	91.1 87.8	87.8 84.5	84.4 81.3	82.7 79.6	81.0 78.0	79.3 76.4	77.6 74.8	75.9 73.1	74.2 71.5	70.9 68.2	67.5 65.0	65.8 63.4	64.1 61.8	60.8 58.5
	17T	85.8 82.6	82.6 79.5	79.4 76.5	77.8 74.9	76.2 73.4	74.6 71.9	73.1 70.4	71.5 68.8	69.9 67.3	66.7 64.2	63.5 61.2	61.9 59.6	60.4 58.1	57.2 55.1
	18T	81.0 78.0	78.0 75.1	75.0 72.2	73.5 70.8	72.0 69.3	70.5 67.9	69.0 66.4	67.5 65.0	66.0 63.6	63.0 60.7	60.0 57.8	58.5 56.3	57.0 54.9	54.0 52.0
	19T	76.7 73.9	73.9 71.2	71.1 68.4	69.6 67.1	68.2 65.7	66.8 64.3	65.4 62.9	63.9 61.6	62.5 60.2	59.7 57.5	56.8 54.7	55.4 53.4	54.0 52.0	51.2 49.3
	20T	72.9 70.2	70.2 67.6	67.5 65.0	66.2 63.7	64.8 62.4	63.4 61.1	62.1 59.8	60.8 58.5	59.4 57.2	56.7 54.6	54.0 52.0	52.6 50.7	51.3 49.4	48.6 46.8
	21T	69.4 66.8	66.8 64.4	64.3 61.9	63.0 60.7	61.7 59.4	60.4 58.2	59.1 57.0	57.9 55.7	56.6 54.5	54.0 52.0	51.4 49.5	50.1 48.3	48.9 47.0	46.3 44.6
	22T	66.3 63.8	63.8 61.5	61.4 59.1	60.1 57.9	58.9 56.7	57.7 55.5	56.5 54.4	55.2 53.2	54.0 52.0	51.5 49.6	49.1 47.3	47.9 45.8	46.6 44.9	44.2 42.5
	23T	63.4 61.0	61.0 58.8	58.7 56.5	57.5 55.4	56.3 54.3	55.2 53.1	54.0 52.0	52.8 50.9	51.7 49.7	49.3 47.5	47.0 45.2	45.8 44.1	44.6 43.0	42.3 40.7
	24T	60.8 58.5	58.5 56.3	56.2 54.2	55.1 53.1	54.0 52.0	52.9 50.9	51.8 49.8	50.6 48.8	49.5 47.7	47.2 45.5	45.0 43.3	43.9 42.2	42.8 41.2	40.5 39.0
	25T	58.3 56.2	56.2 54.1	54.0 52.0	52.9 51.0	51.8 49.9	50.8 48.9	49.7 47.8	48.6 46.8	47.5 45.8	45.4 43.7	43.2 41.6	42.1 40.6	41.0 39.5	38.9 37.4
	26T	56.1 54.0	54.0 52.0	51.9 50.0	50.9 49.0	49.8 48.0	48.8 47.0	47.8 46.0	46.7 45.0	45.7 44.0	43.6 42.0	41.5 40.0	40.5 39.0	39.5 38.0	37.4 36.0
	27T	54.0 52.0	52.0 50.1	50.0 48.1	49.0 47.2	48.0 46.2	47.0 45.3	46.0 44.3	4.50 43.3	44.0 42.4	42.0 40.4	40.0 38.5	39.0 37.6	38.0 36.6	36.0 34.7
	28T	52.1 50.1	50.1 48.3	48.2 46.4	47.2 45.5	46.3 44.6	45.3 43.6	44.4 42.7	43.4 41.8	42.4 40.9	40.5 39.0	38.6 37.1	37.6 36.2	36.6 35.3	34.7 33.4
	30T	48.6 46.8	46.8 45.1	45.0 43.3	44.1 42.5	43.2 41.6	42.3 40.7	41.4 39.8	40.5 39.0	39.6 38.1	37.8 36.4	36.0 34.7	35.1 33.8	34.2 32.9	32.4 31.2
	32T	45.6 43.9	43.9 42.2	42.2 40.6	41.3 39.8	40.5 39.0	39.7 38.2	38.8 37.4	38.0 36.6	37.1 35.8	35.4 34.1	33.8 32.5	32.9 31.7	32.1 30.9	30.4 29.2
	34T	42.9 41.3	41.3 39.8	39.7 38.2	38.9 37.4	38.1 36.7	37.3 35.9	36.5 35.2	35.7 34.4	34.9 33.6	33.4 32.1	31.8 30.6	31.0 29.8	30.2 29.1	28.6 27.5



SHIMANO

SHIMANO AMERICAN CORPORATION

1133 Avenue of the Americas, New York,
N.Y. 10036 U.S.A. Tel. 212-586-2350

SHIMANO (EUROPA) GmbH.

4, Düsseldorf, Hüttenstrasse 5,
West Germany, Tel. 12541 & 12542

SHIMANO INDUSTRIAL CO., LTD.

3-77, Oimatsucho, Sakai, Osaka, Japan
Tel. 0722-45-0333

