

BREVETTI INTERNAZIONALI



Distributed By:

HANS JOHNSEN COMPANY

8901 CHANCELLOR ROW

DALLAS, TEXAS 75247

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4000/F CAMPAGNOLO SUPER RECORD ROAD GROUP

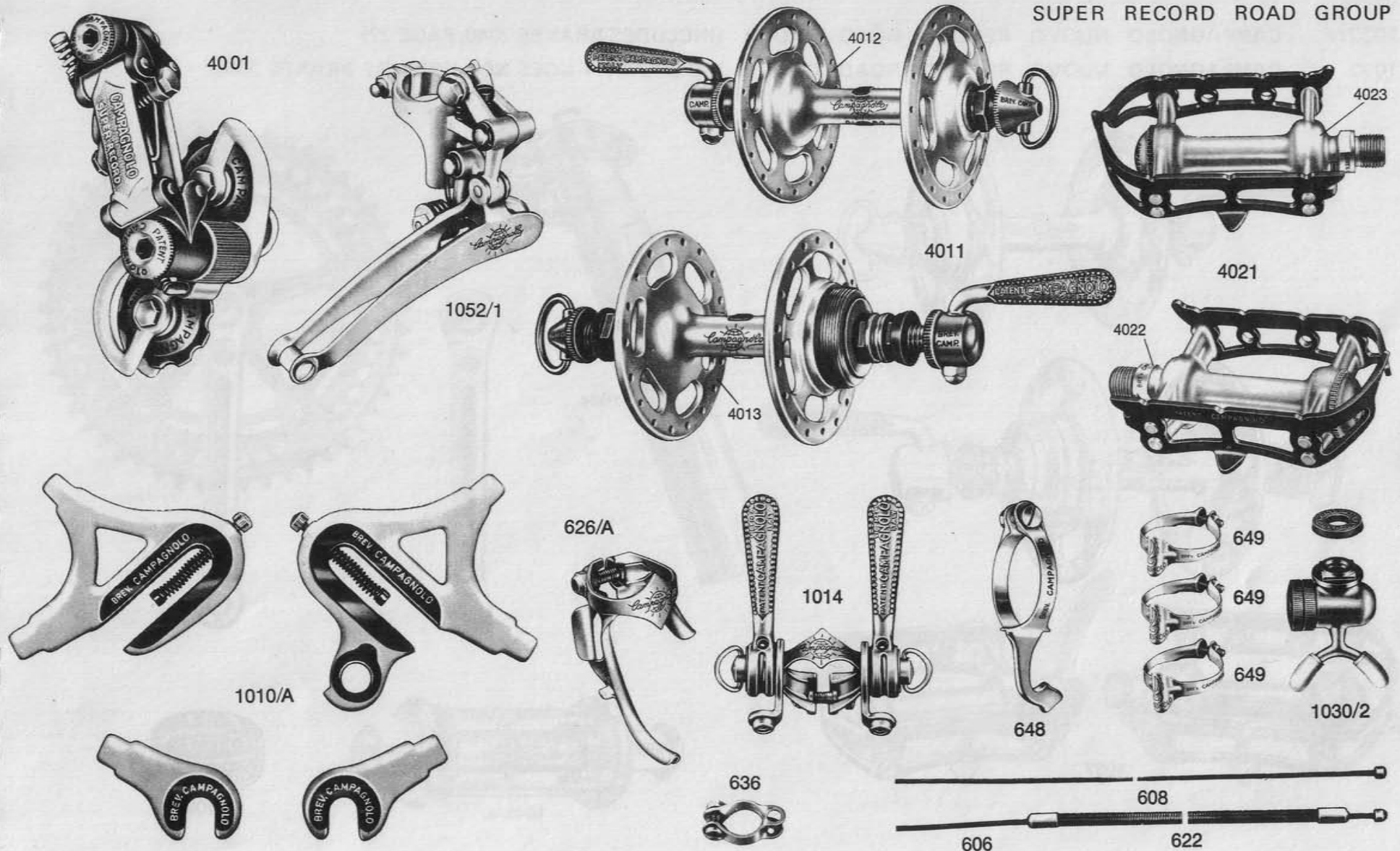


- 606 Rear derailleur cable (118 cm.)
- 608 Front derailleur cable (72 cm.) (New cable has been lengthened 2 cm.)
- 622 Rear derailleur stainless steel cable casing (21 cm.)
- 626/A Dual derailleur cable guide

- 636 Rear derailleur cable stop
- 648 Peg-Type pump holder
- 649 Brake cable clip (pkg. of 3)
- 1010/A Road fork ends w/o eyelets - set of 4 (SR)
- 1014 Record dual derailleurs controls
- 1030/2 Adapter for Italian Silco Impero Pump w/squared boss

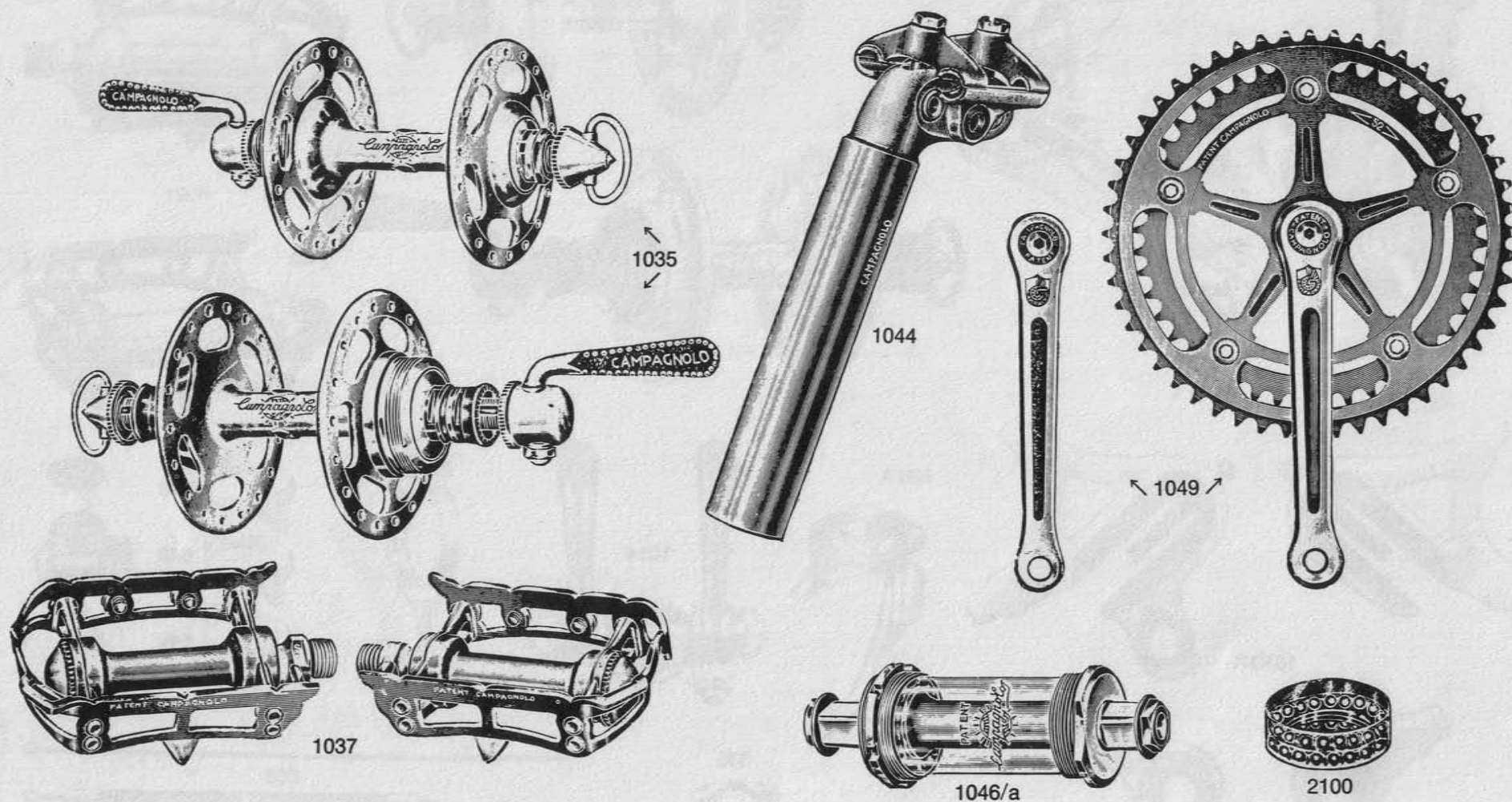
- 1049/A Super Record crankset w/o BB (Specs: Crank length—165 to 180 mm; Teeth—42 to 57)
- 1052/1 Front derailleur (R, RL, SR)

SUPER RECORD ROAD GROUP



- | | | | | | |
|------|---|------|--|------|--|
| 4001 | Super Record rear derailleur w/o hanger | 4013 | Rear large-flange road hub (SR) | 4041 | Super Record road headset (Specs: Eng., Fr., or Ital. thread) |
| 4011 | Pair large-flange Super Record road hubs (Specs: Holes—24 to 40; Threads—Eng., Fr., or Ital.) | 4021 | Pair road pedals (SR) | 4051 | Fluted wide-cradle Super Record seatpin (Specs: Length—147 mm only; Diameters—25.0 to 27.4 mm) |
| 4012 | Front large-flange road hub (SR) | 4022 | R.H. road pedal (SR) | 4061 | Super Record brake set complete |
| | | 4023 | L.H. road pedal (SR) | | |
| | | 4030 | Road crankset w/BB (SR) | | |
| | | 4031 | Super Record road bottom bracket set (Specs: Pages 31, 33) | | |

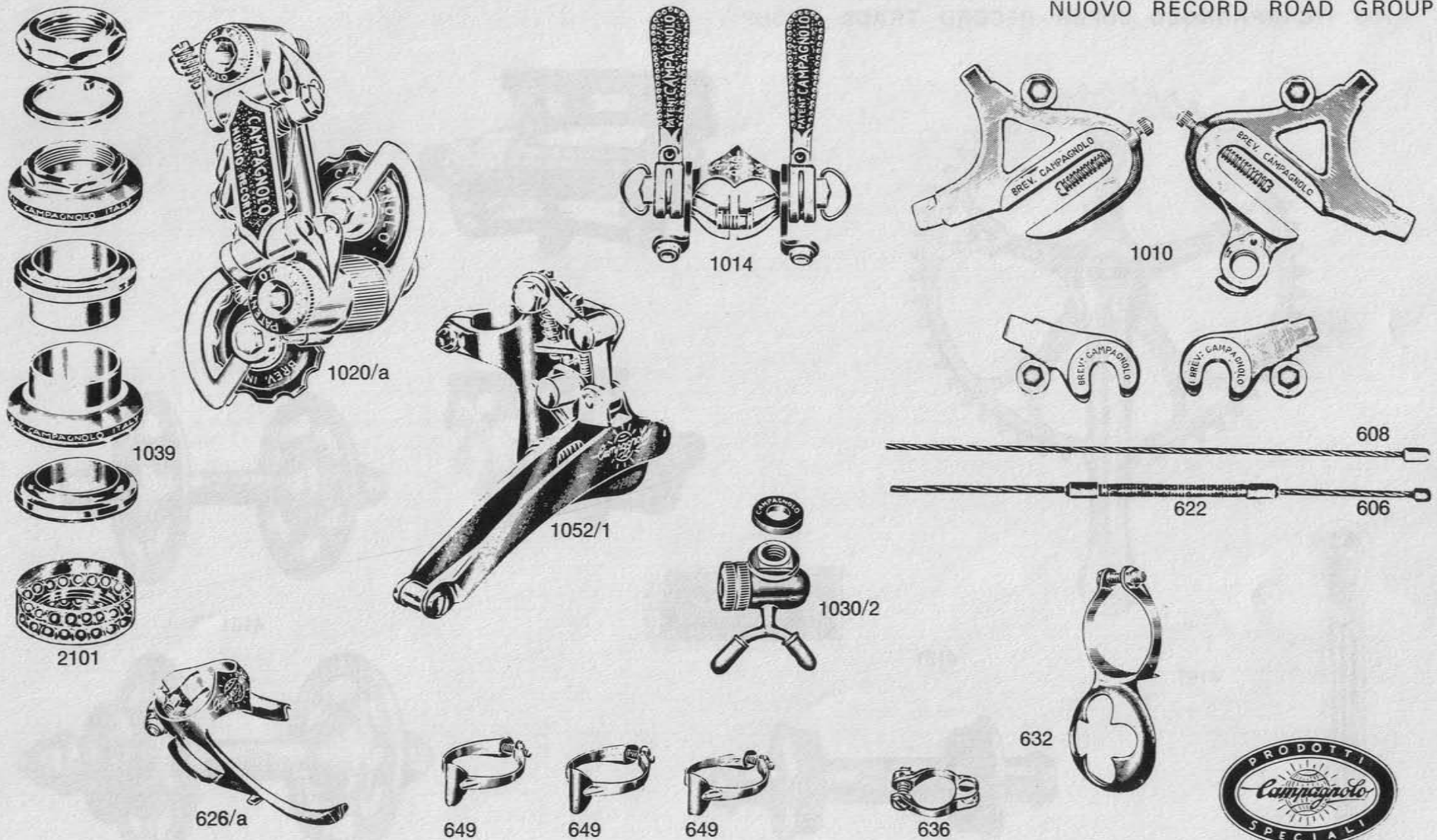
- 1032/F CAMPAGNOLO NUOVO RECORD ROAD GROUP (INCLUDES BRAKES 2040, PAGE 37)
 1032 CAMPAGNOLO NUOVO RECORD ROAD GROUP (AS SHOWN – DOES NOT INCLUDE BRAKES 2040)



- 606 Down tube gear cable (118 cm)
 608 Down tube front changer cable (72 cm)
 622 Rear stainless steel outer cable (21 cm)
 626/a Twin gear cables clip
 632 Seat tube pump clip
 636 Rear derailleur cable stop

- 649 Brake cable clips
 1010 Record fork ends set
 1014 Twin down tube control levers
 1020/a Nuovo Record gear (without hanger)
 1030/2 Special pump adaptor (thread $\varnothing 9 \times 1,25$ - Any of the pump adaptors shown on page 44 can be supplied instead)

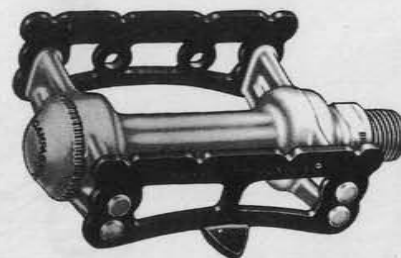
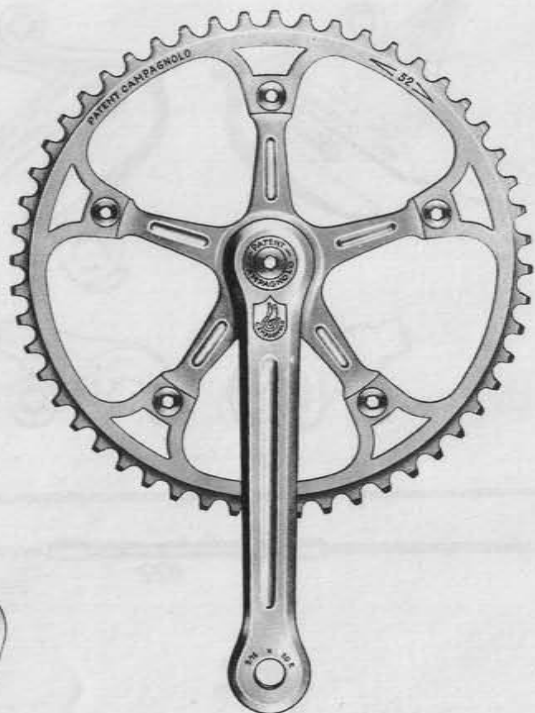
NUOVO RECORD ROAD GROUP



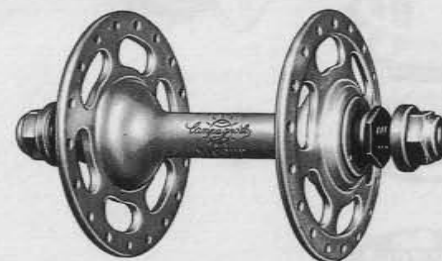
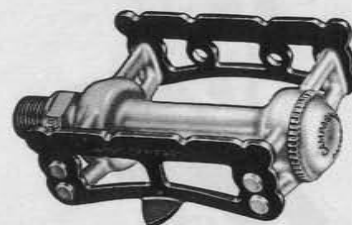
- 1035 Pair of Record large flange quick release hubs (Specs: Holes—24 to 40; Thread—Eng., Fr. or Ital.)
- 1037 Pair of Record road pedals
- 1039 Record road head set (Specify Eng., Fr. or Ital. Thread)
- 1044 Seat pin (please specify diameter and length as shown on pages 39 and 40. If requested, seat pin 1045 for narrow cradle saddles can be supplied.)

- 1046/a Nuovo Record bottom bracket set (see pages 32, 33 for specs)
- 1048 Road crankset w/BB (NR)
- 1049 Road chainwheel set (please specify number of chainring teeth and crank length—see page 27)
- 1052/1 Record front changer
- 2100 Special ballraces for bottom bracket set
- 2101 Special ballraces for head set

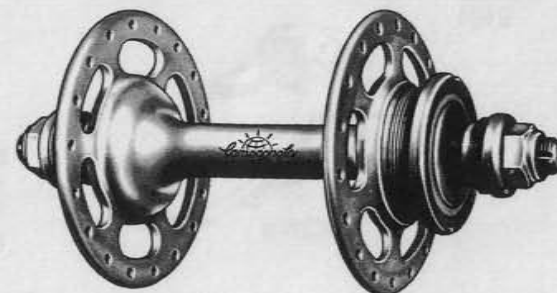
4100 CAMPAGNOLO SUPER RECORD TRACK GROUP



4121



4101



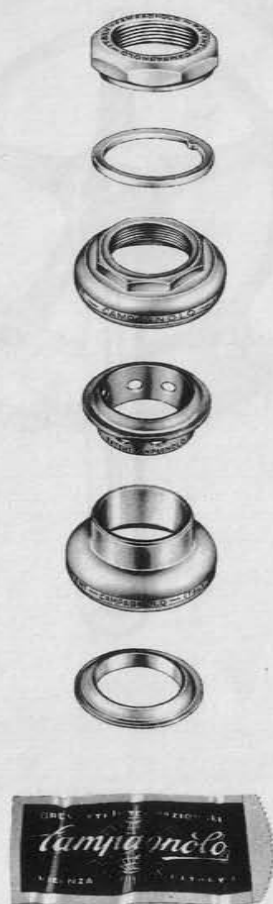
4151

4131



- 1053 Track fork ends (set of 4)
- 4051 Fluted wide-cradle seat pin (SR)—147 mm only;
diameters 25.0 to 27.4 mm)
- 4101 Pair large-flange Super Record track hubs (Specs:
Holes—24 to 40; Threads—Eng., Fr., or Ital.)

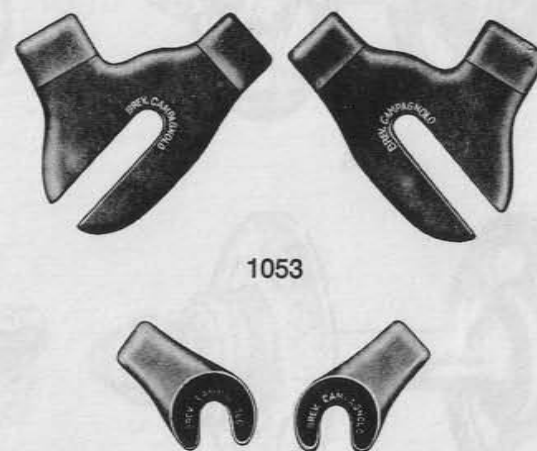
- 4102 Front large-flange track hub (SR)
- 4103 Rear Large-flange track hub (SR)
- 4121 Pair track pedals (SR)
- 4122 R.H. track pedal (SR)
- 4123 L.H. track pedal (SR)
- 4130 Track crankset w/BB (SR)



4141



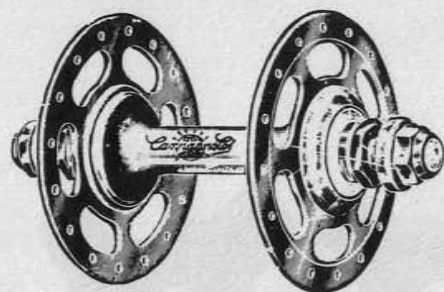
4051



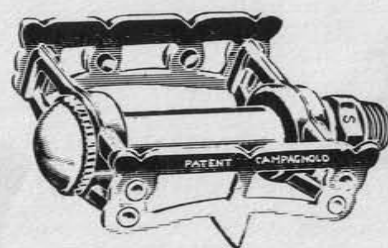
1053

- 4131 Track bottom bracket set (SR)
(See specs pages 31, 33)
- 4141 Super Record track headset (Specs - Eng.,
Fr., or Ital. thread)
- 4151 Super Record track crankset w/o bottom
bracket - to fit 1/2" x 1/8" (3 mm) chain
(Specs: Crank length—165 to 180 mm;
Teeth size—44 to 70)

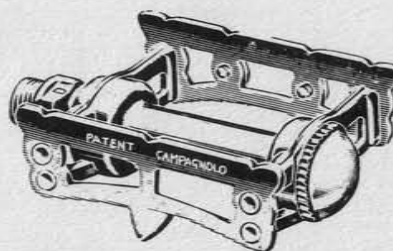
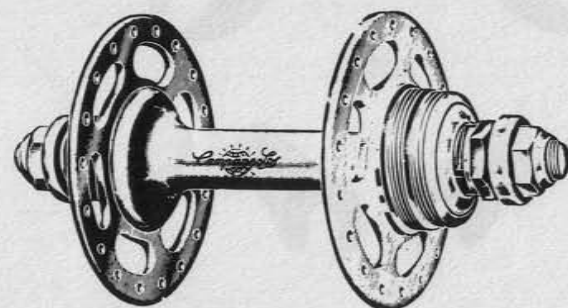
1033 CAMPAGNOLO RECORD TRACK GROUP



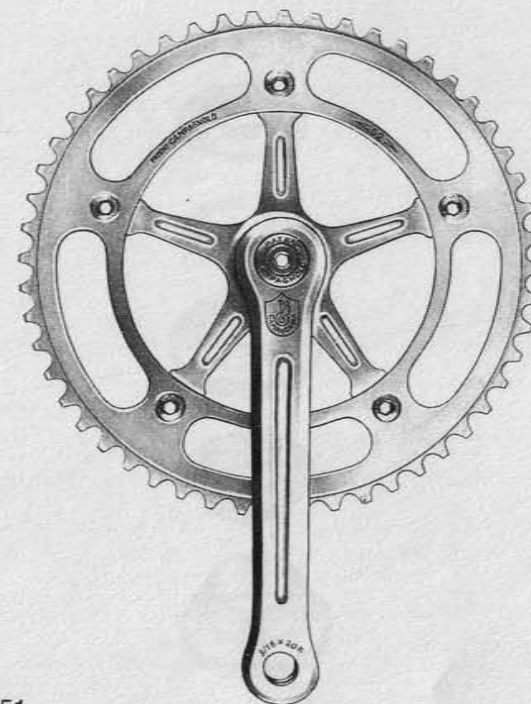
1036



1038



1051



- 1036 Pair of Record track hubs (Specs: Holes—24 to 40; Threads—Eng., Fr., or Ital.)
- 1038 Pair of Record track pedals
- 1040 Record track head set (Specs: Eng., Fr., or Ital. Threads)



1044 Seat pin for wide cradle saddles (please specify diameter and length as shown on pages 39 and 40. If requested, seat pin 1045 for narrow cradle saddles can be supplied.)

1046 Record bottom bracket set (Specs: See page 33)

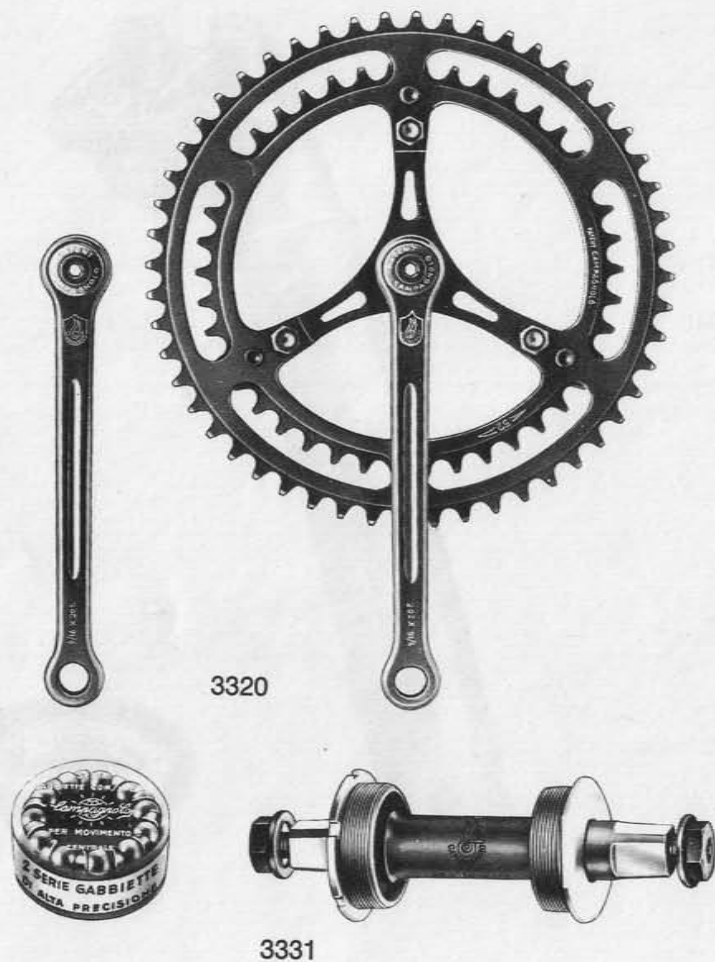
1050 Track crankset w/BB (R)

1051 Track chainwheel set (chainring for chain 1/2" x 1/8" - Available also for chains 1" x 1/8" or 1" x 3/16" - Please specify number of chainring teeth and crank length - see page 27)

1053 Track fork ends (set of 4)

2100 Special ballraces for bottom bracket set

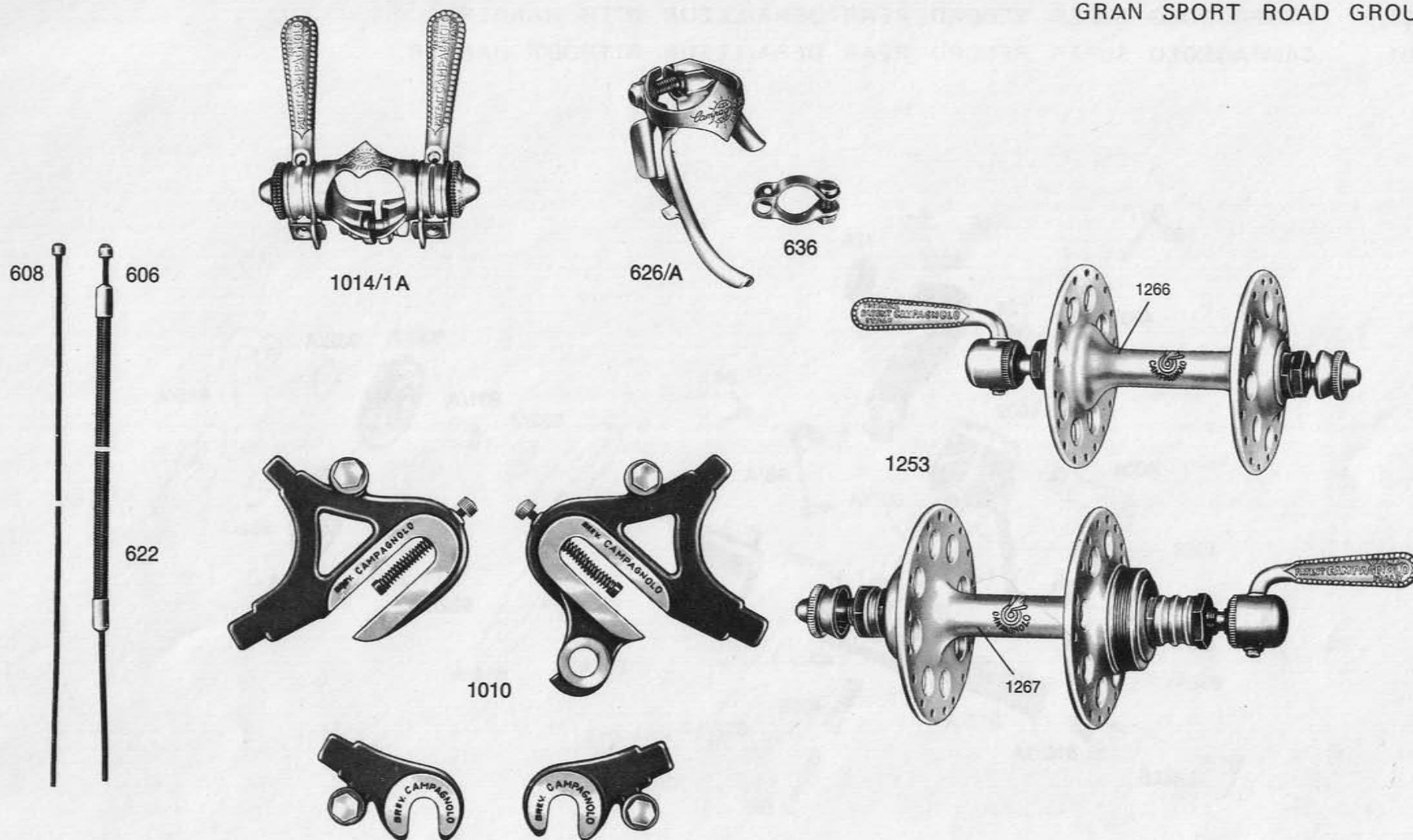
2102 Special ballraces for head set



606 Rear derailleur cable (118 cm)
608 Front derailleur cable (72 cm) (New Cable is 2 cm longer)

622 Rear derailleur stainless steel cable casing (21 cm)
626/A Dual derailleur cable guide
636 Cable stop C/S

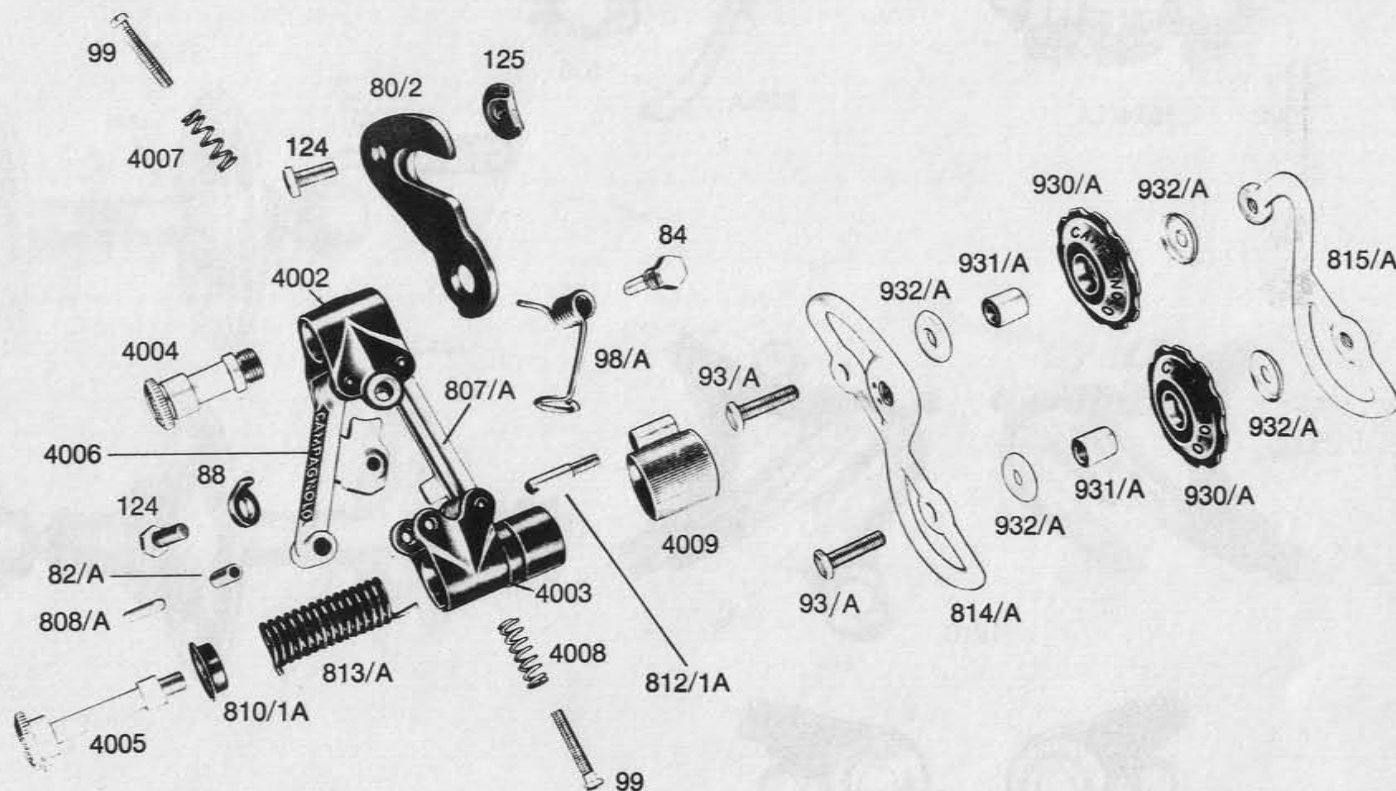
GRAN SPORT ROAD GROUP



- 1010 Road fork ends - set of 4 (R, NGS)
- 1014/1A Dual control (V, NGS)
- 1040/A Sport road head set (Specs: Eng., Fr., or Ital. Thread)
- 1253 Pair large-flange road hubs (NT) (Specs: Holes—36; Thread—Eng. or Ital.)

- 2050 Valentino front derailleur (1052/1 may also be used)
- 3320 Sport road crankset w/o BB (Record BB will fit)(Specs: Page 30)
- 3330 Sport road crankset w/BB
- 3331 Sport bottom bracket set (Specs on pages 30, 33)
- 3500 Nuovo Gran Sport rear derailleur w/o hanger

4001/1 CAMPAGNOLO SUPER RECORD REAR DERAILLEUR WITH HANGER
 4001 CAMPAGNOLO SUPER RECORD REAR DERAILLEUR WITHOUT HANGER



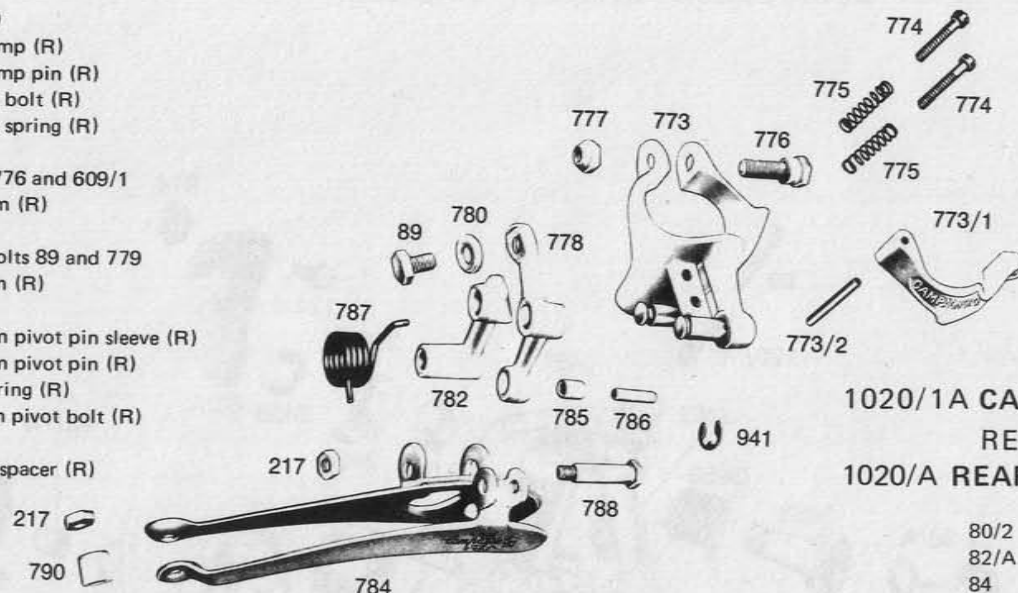
80/2 Rear derailleur hanger (SR, NR, NGS)
 82/A Derailleur arm pivot pin sleeve (SR, NR, RL, NGS)
 84 Return spring fixing bolt (SR, NR, NGS)
 88 Cable clamp washer for 89
 93/A Roller axle bolt (SR, NR)
 98/A Derailleur return spring (SR, NR, RL)
 99 Derailleur adjusting screw (SR, NR, RL, NGS)
 124 Bolt
 125 Rear derailleur hanger nut (SR, NR, RL)

807/A Inner rear derailleur arm (SR, NR, RL)
 808/A Rear derailleur arm pivot pin (SR, NR, RL, NGS)
 813/A Rear derailleur tension spring (SR, NR, RL, NGS)
 814/A Outer cage plate (SR, NR)
 815/A Inner cage plate (SR, NR)
 930/A Derailleur roller (NR)
 931/A Roller bushing (NR)
 932/A Roller bushing cover (NR)

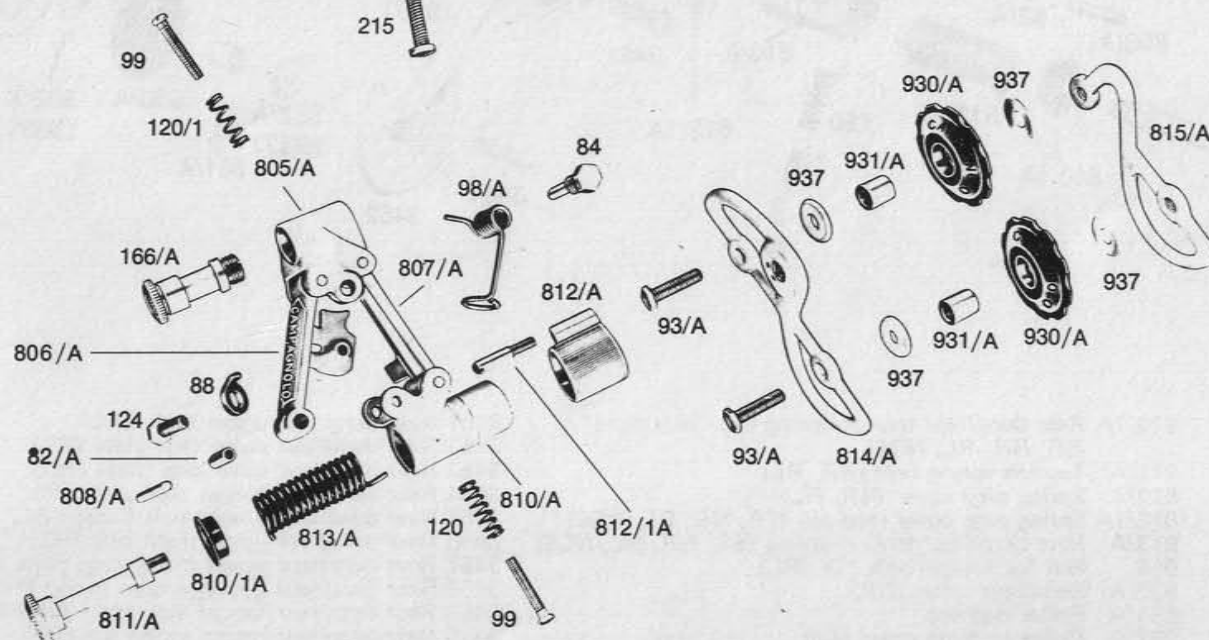
937 "New" Roller bushing cover
 4002 Rear derailleur upper body (SR)
 4003 Rear derailleur tension spring cover (SR)
 4004 Rear derailleur upper body pivot bolt (SR)
 4005 Rear derailleur tension spring bolt (SR)
 4006 Rear derailleur outer arm (SR)
 4007 Rear derailleur outer adjustment spring (SR)
 4008 Rear derailleur lower adjustment spring (SR)
 4009 Rear derailleur tension spring cage cover (SR)

- 89 Zinc-Plated bolt—int/w 776, 779
- 215 Cage end bolt for Spacer 790 (NR-Int/w 791)
- 217 Nut (general use)
- 773 Front derailleur body (R)
- 773/1 Front derailleur body clamp (R)
- 773/2 Front derailleur body clamp pin (R)
- 774 Front derailleur adjusting bolt (R)
- 775 Front derailleur adjusting spring (R)
- 776 Clip Fixing bolt
- 777 Clip fixing nut for Bolts 776 and 609/1
- 778 Front derailleur upper arm (R)
- 779 Cable clamp bolt
- 780 Cable clamp washer for bolts 89 and 779
- 782 Front derailleur lower arm (R)
- 784 Front derailleur cage (R)
- 785 Front derailleur upper arm pivot pin sleeve (R)
- 786 Front derailleur upper arm pivot pin (R)
- 787 Front derailleur return spring (R)
- 788 Front derailleur lower arm pivot bolt (R)
- 789 Nut to fit bolt 788 (R)
- 790 Front derailleur cage rear spacer (R)
- 941 Front derailleur pivot arm C-clip (NR)

1052/1 CAMPAGNOLO RECORD FRONT DERAILLEUR

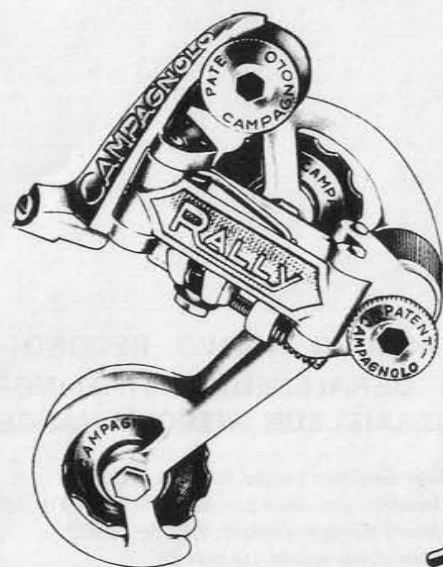


1020/1A CAMPAGNOLO NUOVO RECORD REAR DERAILLEUR WITH HANGER 1020/A REAR DERAILLEUR WITHOUT HANGER

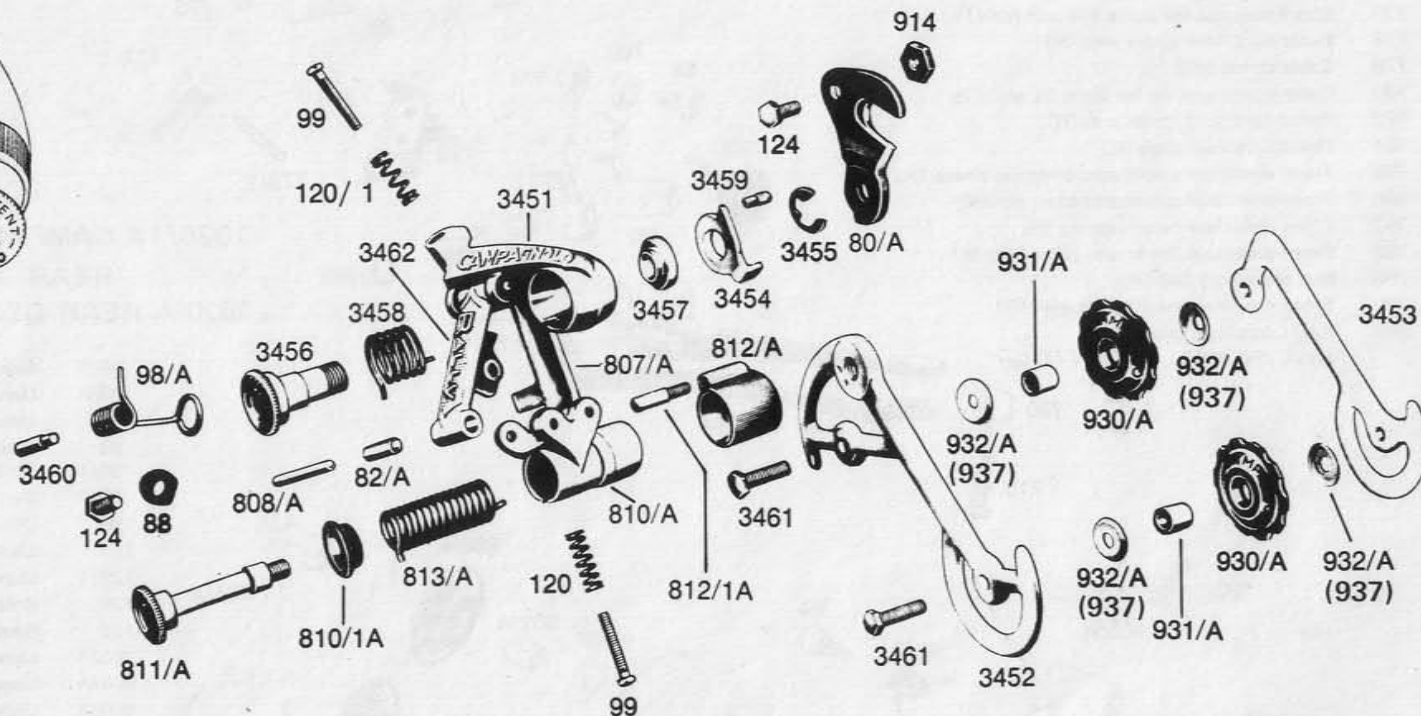


- 80/2 Rear derailleur hanger (SR, NR, NGS)
- 82/A Derailleur arm pivot pin sleeve (SR, NR, RL, NGS)
- 84 Return spring fixing bolt (SR, NR, NGS)
- 88 Cable clamp washer for bolt 89
- 93/A Roller axle bolt (SR, NR)
- 98/A Derailleur return spring (SR, NR, RL)
- 99 Derailleur adjusting screw (SR, NR, RL, NGS)
- 120 Lower tension spring for screw 99 (NR, RL, NGS)
- 120/1 Upper tension spring for screw 99 (NR, RL, NGS)
- 124 Bolt
- 125 Rear derailleur hanger nut
- 166/A Upper pivot bolt (NR)
- 805/A Upper body for rear derailleur (NR)
- 806/A Outer rear derailleur arm (NR)
- 807/A Inner rear derailleur arm (SR, NR, RL)
- 808/A Rear derailleur arm pivot pin (SR, NR, RL, NGS)
- 810/A Rear derailleur tension spring cage (NR, RL)
- 810/1A Rear derailleur tension spring cage face plate (SR, NR, RL, NGS)
- 811/A Tension spring bolt (NR, RL)
- 812/A Spring cage cover (NR, RL)
- 812/1A Spring cage cover stop pin (SR, NR, RL, NGS)
- 813/A Rear derailleur tension spring (SR, NR, RL, NGS)
- 814/A Outer cage plate (SR, NR)
- 815/A Inner cage plate (SR, NR)
- 930/A Derailleur roller (SR, NR)
- 931/A Roller bushing (SR, NR)
- 932/A Roller bushing cover (NGS, VO, "Old Style" NR replaced by cover 937)
- 937 "New" Roller bushing cover (SR, NR, RL)

3450/1 CAMPAGNOLO RALLY REAR DERAILLEUR WITH HANGER
 3450 CAMPAGNOLO RALLY REAR DERAILLEUR WITHOUT HANGER



3450

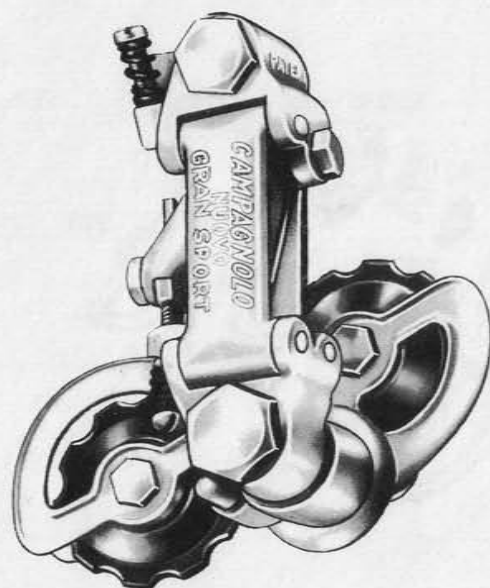


- 80/A Rear derailleur hanger (RL, VO, V)
- 82/A Derailleur arm pivot pin sleeve (SR, NR, RL, NGS)
- 88 Cable clamp washer for 89
- 99 Derailleur adjusting screw (SR, NR, RL, NGS)
- 98/A Derailleur return spring (SR, NR, RL)
- 120 Lower tension spring for 99 (NR, RL, NGS)
- 120/1 Upper tension spring for 99 (NR, RL, NGS)
- 124 Bolt
- 807/A Inner rear derailleur arm (SR, NR, RL)
- 808/A Rear derailleur arm pivot pin (SR, NR, RL, NGS)
- 810/A Rear derailleur tension spring cage (NR, RL)

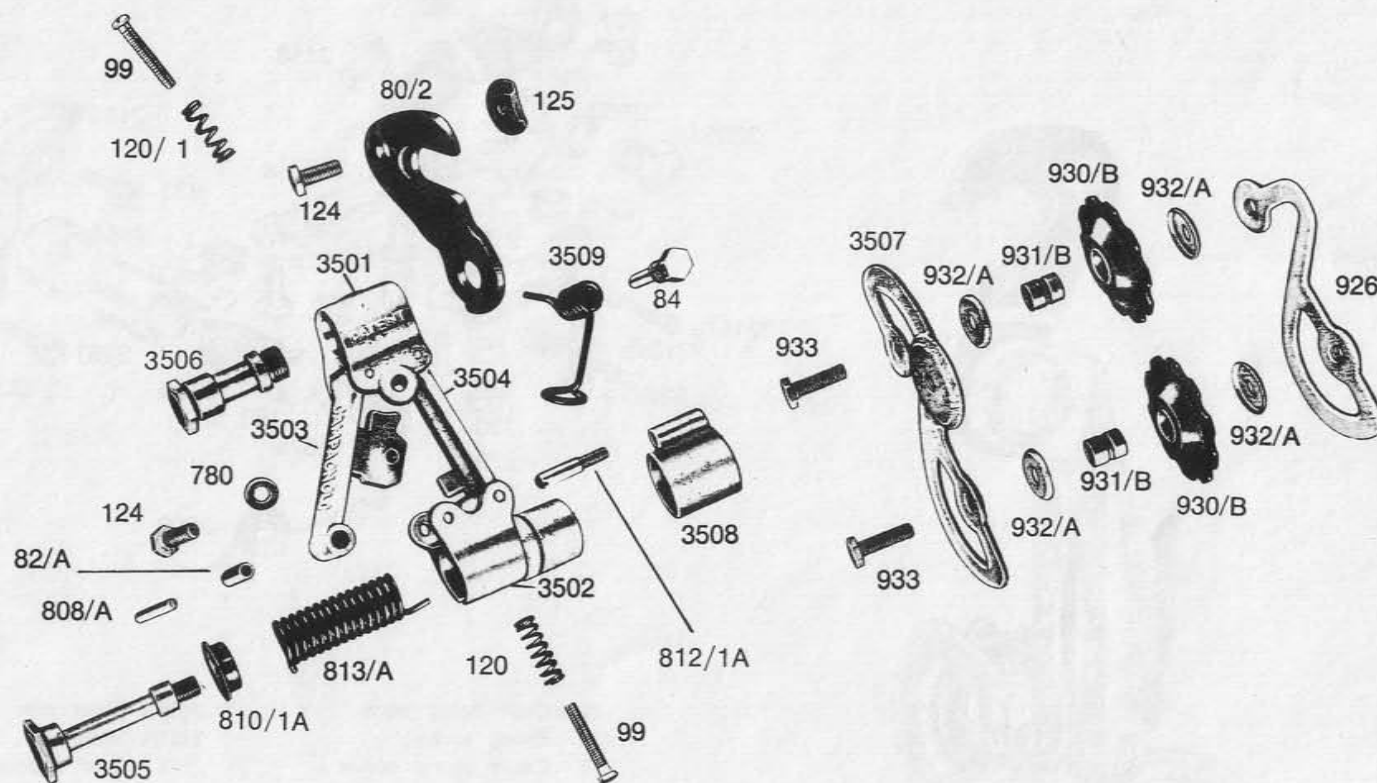
- 810/1A Rear derailleur tension spring cage face plate (SR, NR, RL, NGS)
- 811/A Tension spring bolt (NR, RL)
- 812/A Spring cage cover (NR, RL)
- 812/1A Spring cage cover stop pin (SR, NR, RL, NGS)
- 813/A Rear derailleur tension spring (SR, NR, RL, NGS)
- 914 Nut for hanger bolt 124 (RL)
- 930/A Derailleur roller (NR)
- 931/A Roller bushing
- 932/A Roller bushing cover (All)
- 937 "New" Roller bushing cover (SR, NR, RL)

- 3451 Rear derailleur upper body (RL)
- 3452 Rear derailleur outer cage plate (RL)
- 3453 Rear derailleur inner cage plate (RL)
- 3454 Rear derailleur hanger stop plate (RL)
- 3455 Rear derailleur hanger bolt C clip (RL)
- 3456 Rear derailleur upper pivot bolt (RL)
- 3457 Rear derailleur upper spring cage plate (RL)
- 3458 Rear derailleur upper tension spring (RL)
- 3459 Rear derailleur hanger stop plate pin (RL)
- 3460 Rear derailleur return spring pin (RL)
- 3461 Rear derailleur roller axle bolt (RL)
- 3462 Rear derailleur outer arm (RL)

3500/1 CAMPAGNOLO NUOVO GRAN SPORT REAR DERAILLEUR WITH HANGER
 3500 CAMPAGNOLO NUOVO GRAN SPORT REAR DERAILLEUR WITHOUT HANGER



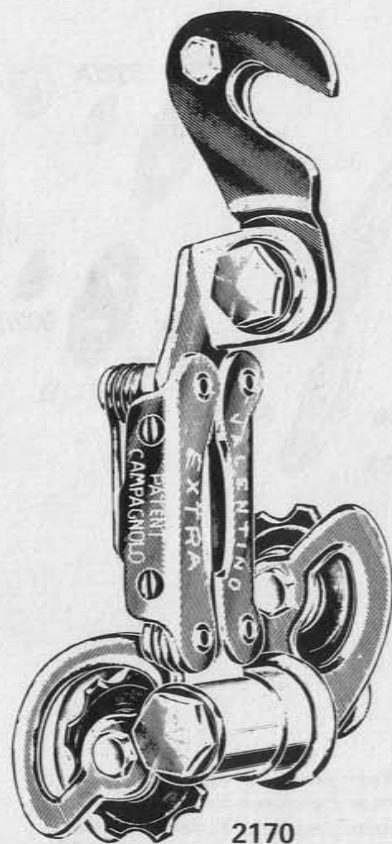
3500



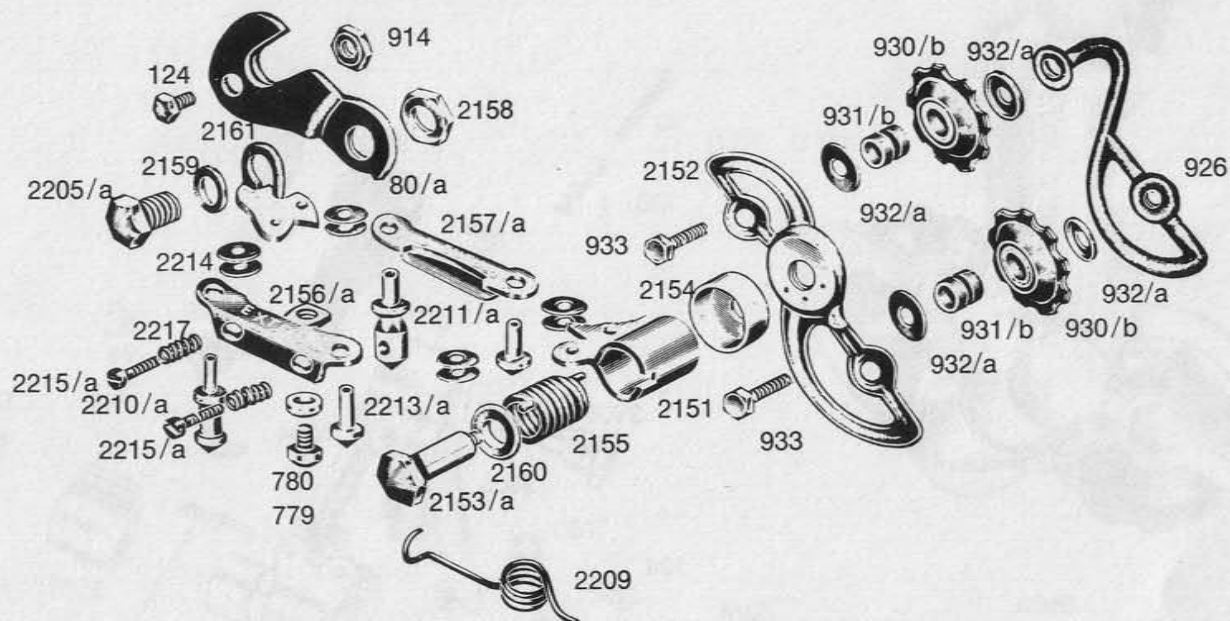
80/2 Rear derailleur hanger (SR, NR, NGS)
 82/A Derailleur arm pivot pin sleeve (SR, NR, RL, NGS)
 84 Return spring fixing bolt (SR, NR, NGS)
 99 Derailleur adjusting screw (SR, NR, RL, NGS)
 120 Lower tension spring for 99 (NR, RL, NGS)
 120/1 Upper tension spring for 99 (NR, RL, NGS)
 124 Bolt
 125 Rear derailleur hanger nut (SR, NR, NGS)

780 Cable clamp washer
 808/A Rear derailleur arm pivot pin (SR, NR, RL, NGS)
 810/1A Rear derailleur tension spring bushing (NR, RL)
 812/1A Spring cage cover stop pin (NR, RL)
 813/A Tension spring
 926 Inner cage plate (NGS, VO)
 930/B Derailleur roller (NGS, VO)
 931/B Roller bushing (NGS, VO)
 932/A Roller bushing cover (All)
 933 Roller axle bolt (NGS, VO)

3501 Rear derailleur upper body (NGS)
 3502 Rear derailleur lower body (NGS)
 3503 Rear derailleur outer arm (NGS)
 3504 Rear derailleur inner arm (NGS)
 3505 Rear derailleur tension spring bolt (NGS)
 3506 Rear derailleur upper body pivot bolt (NGS)
 3507 Rear derailleur outer cage plate (NGS)
 3508 Rear derailleur spring cage cover (NGS)
 3509 Rear derailleur return spring (NGS)



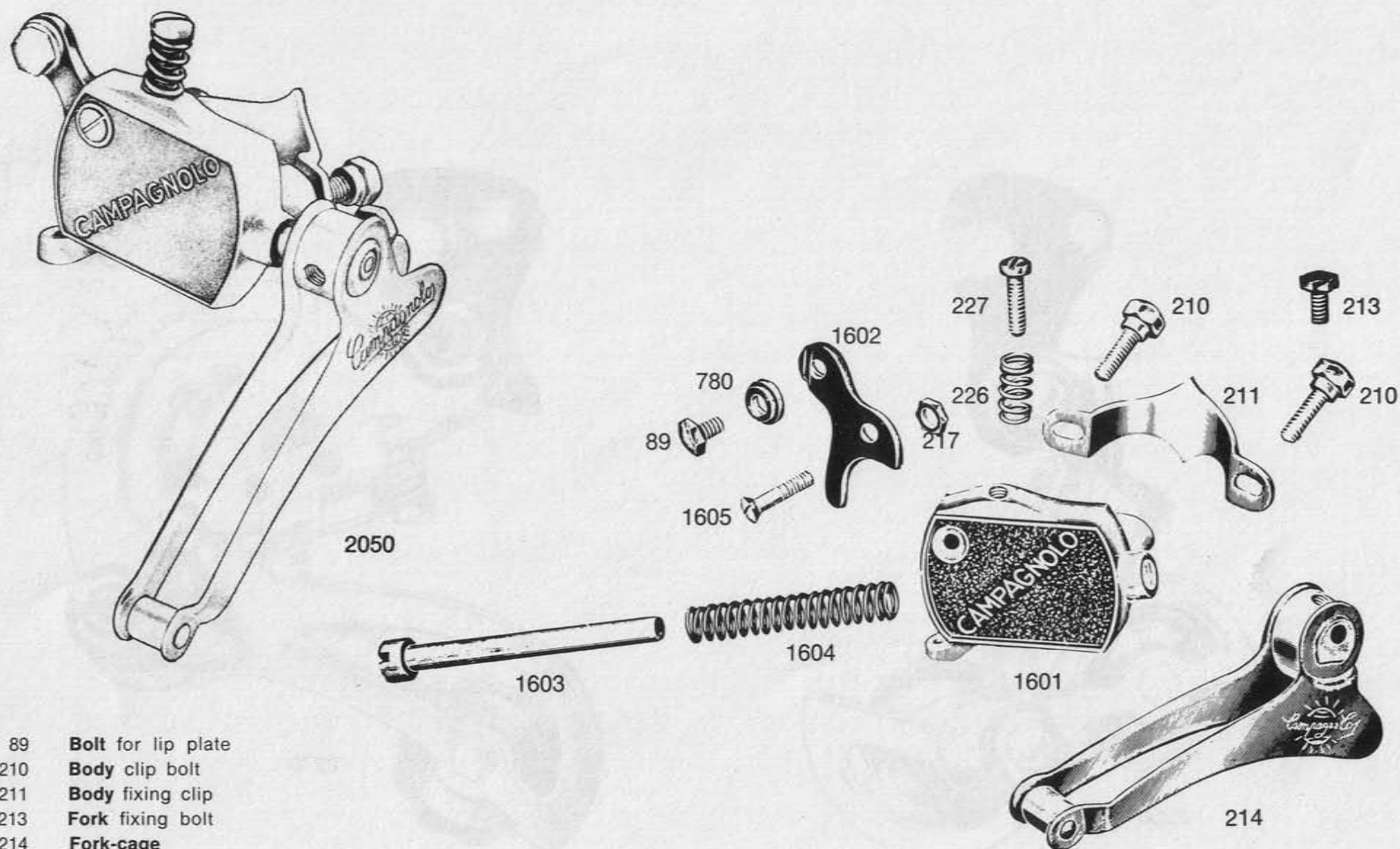
2170



- | | | | |
|--------|---------------------------|--------|-------------------------|
| 80/a | Gear fixing plate | 2156/a | Outer arm |
| 124 | Fixing screw | 2157/a | Inner arm |
| 779 | Cable clamp screw | 2158 | Gear counter fixing nut |
| 780 | Cable clamp screw washer | 2159 | Gear hanger bolt |
| 914 | Nut for fixing plate bolt | 2160 | Spring cage cover |
| 926 | Inner cage plate | 2161 | Rear body |
| 930/b | Rollers | 2205/a | Fixing pivot bolt |
| 931/b | Roller bushes | 2209 | Gear return spring |
| 932/a | Roller dust cover | 2210/a | Return spring spindle |
| 933 | Roller bolt | 2211/a | Spindle |
| 2151 | Spring cage | 2213/a | Arm rivets |
| 2152 | Outer cage plate | 2214 | Spring washer |
| 2153/a | Spring cage bolt | 2215/a | Adjusting bolt |
| 2154 | Cover | 2217 | Adjusting screw spring |
| 2155 | Gear tension spring | | |

2050

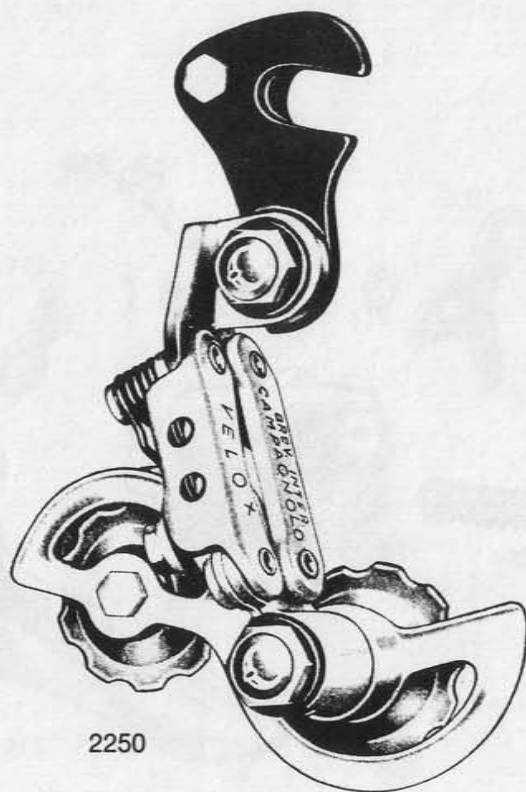
CAMPAGNOLO VALENTINO FRONT DERAILLEUR



- 89 Bolt for lip plate
- 210 Body clip bolt
- 211 Body fixing clip
- 213 Fork fixing bolt
- 214 Fork-cage
- 217 Nut for spacing screw bolt
- 226 Adjusting bolt spring
- 227 Adjusting lever screw
- 780 Cable clamp screw washer
- 1601 Front changer body
- 1602 Control fork
- 1603 Spindle
- 1604 Return spring
- 1605 Bolt

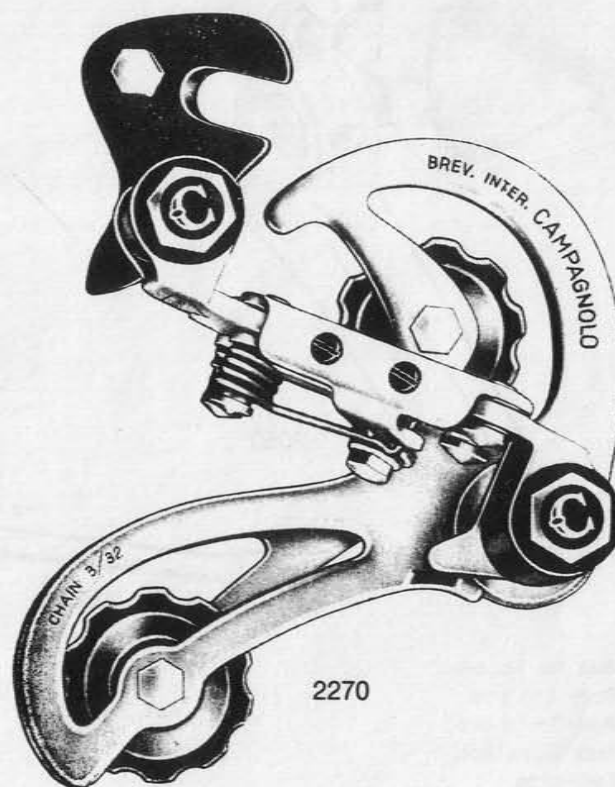
2250

CAMPAGNOLO VELOX
REAR DERAILLEUR

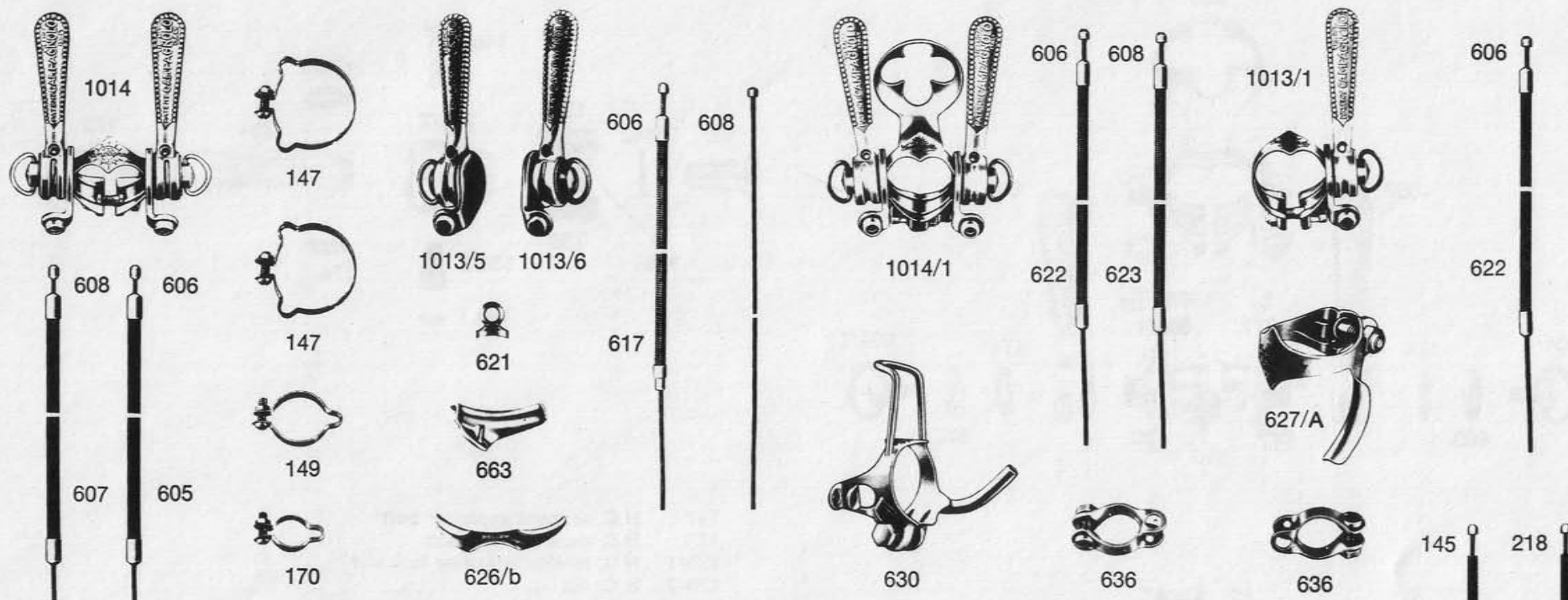


2270

CAMPAGNOLO GRAN TURISMO
REAR DERAILLEUR

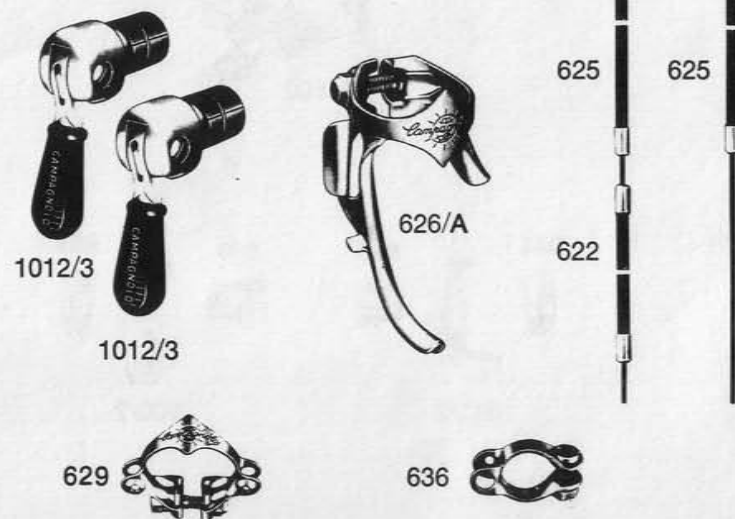


CAMPAGNOLO DERAILLEUR CONTROLS

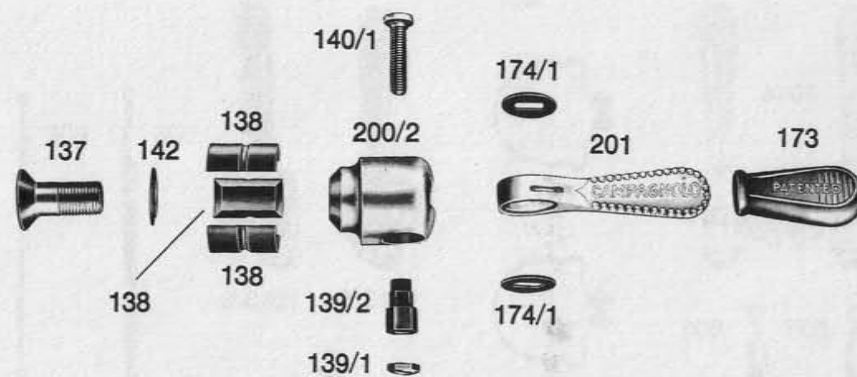
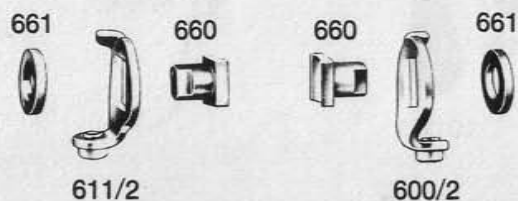
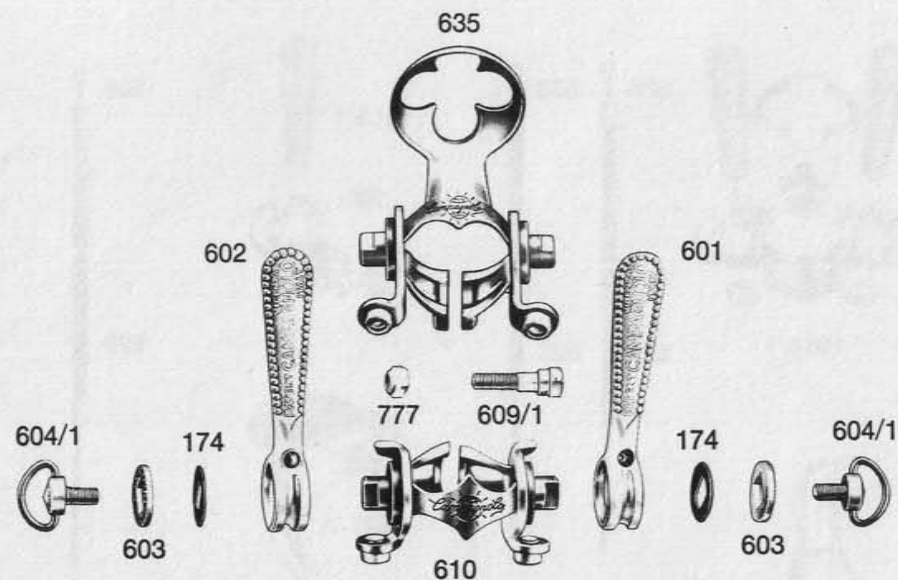


- 145 H.C. rear derailleur cable - 197 cm
- 218 H.C. front derailleur cable - 150 cm
- 606 Rear derailleur cable - 118 cm
- 608 Front derailleur cable - 72 cm (new cable 2 cm longer)
- 617 Stainless steel rear derailleur cable casing to fit 621 - 21 cm (R)
- 621 Braze-On rear derailleur cable stop
- 622 Rear derailleur stainless steel cable casing - 21 cm
- 623 Front derailleur stainless steel cable casing - 15.5 cm
- 625 Stainless steel cable casing to 629 for H.C. - 75 cm

- 626/A Dual derailleur cable guide
- 626/B Braze-On front derailleur cable guide
- 627/A R.H. cable guide (S/T)
- 629 Dual D/T cable stop for H.C.
- 630 Clamp with tunnel, stop and pump holder D/T
- 636 Rear derailleur cable stop C/S
- 663 Braze-On rear derailleur cable guide
- 1012/3 Handlebar control
- 1013/1 R.H. control (R)
- 1013/5 L.H. braze-on control (R)
- 1013/6 R.H. braze-on control (R)
- 1014 Dual control (R)
- 1014/1 Dual control w/pump clip (R)

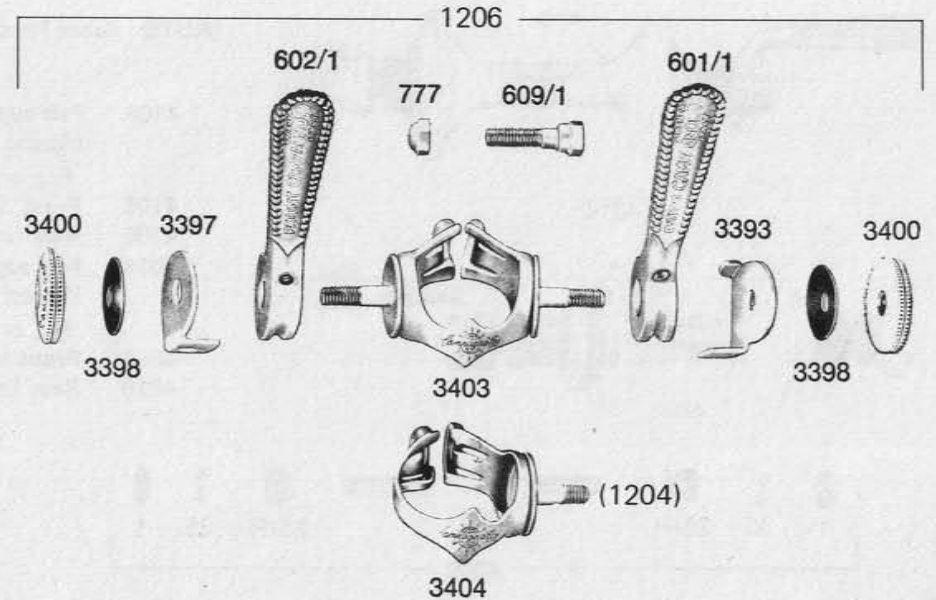
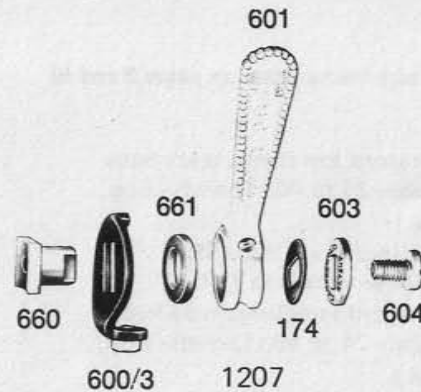
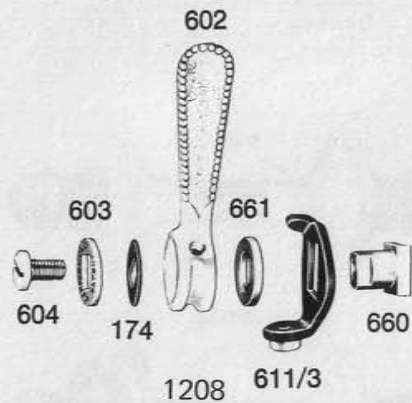


CAMPAGNOLO RECORD CONTROL LEVER PARTS

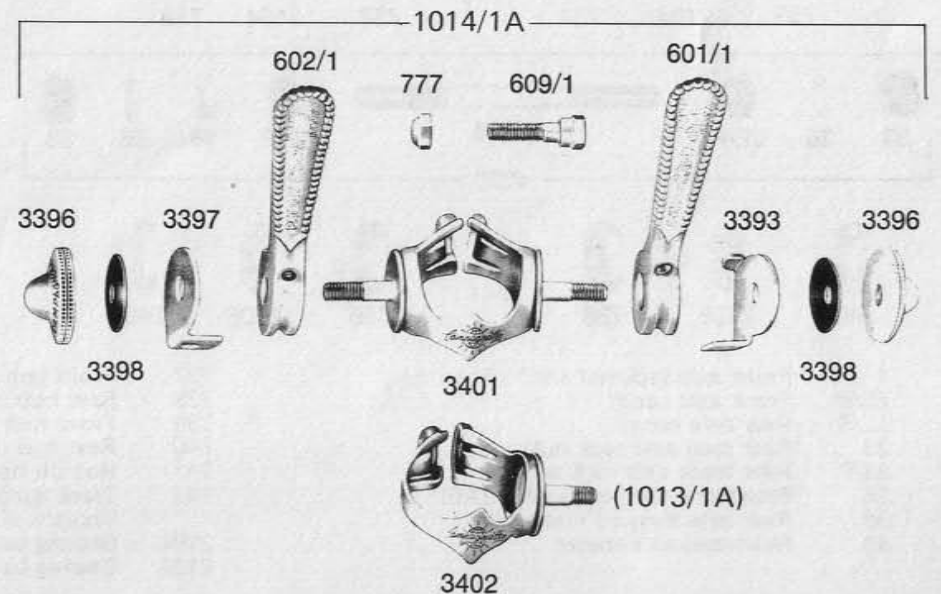


- 137 H.C. segment expander bolt
- 138 H.C. expander segment
- 139/1 H.C. tension adjusting lock nut
- 139/2 H.C. nut
- 140/1 H.C. bolt
- 142 H.C. segment holding spring
- 173 Plastic lever cover H.C.
- 174 Control lever friction washer (D/T)
- 174/1 H.C. friction washer
- 200/2 H.C. body
- 201 H.C. lever
- 600 R.H. control - clamp only (R)
- 600/2 R.H. control stop plate for 660 (R)
- 601 R.H. control - lever only (R, Braze-on)
- 602 L.H. control - lever only (R, Braze-on)
- 603 Friction washer cover plate (D/T control)
- 604/1 Friction adjusting wingnut
- 609 Control clamp bolt and nut (609/1 and 777)
- 609/1 Clamp bolt
- 610 Dual control clamp only (R)
- 611/2 L.H. control lever stop plate for 660 (R)
- 635 Dual control clamp only w/pump holder (R)
- 660 Braze-On control boss
- 661 Control boss collar for 660
- 777 Clip fixing nut for bolts 776 and 609/1

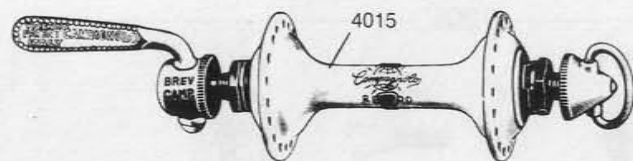
CAMPAGNOLO SPORT CONTROL LEVER PARTS



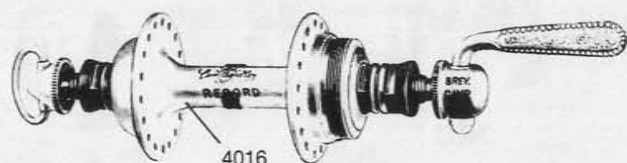
- 174 Control lever friction washer (D/T)
- 600/3 R.H. control stop plate for 660 (VO)
- 601 R.H. control - lever only (R, braze-on)
- 601/1 R.H. control - lever only (VO, V, SE, NGS)
- 602 L.H. control - lever only (R, braze-on)
- 602/1 L.H. control - lever only (VO, V, SE, NGS)
- 603 Friction washer cover plate (D/T control)
- 604 Friction adjusting screw (VO)
- 609 Control clamp bolt and nut (609/1 and 777)
- 609/1 Clamp bolt
- 611/3 L.H. control stop plate for 660 (VO)
- 660 Braze-On control boss
- 661 Control boss collar for 660
- 777 Clip fixing nut for bolts 776 and 609/1
- 1013/1A R.H. control complete (V)
- 1014/1A Dual control complete (V, NGS)
- 1204 R.H. control complete (VO)
- 1206 Dual control complete (VO)
- 1207 R.H. braze-on control (VO)
- 1208 L.H. braze-on control (VO)
- 3393 R.H. control stop plate (New VO)
- 3396 Control tension adjusting nut (NGS)
- 3397 L.H. control stop plate (New VO)
- 3398 Control friction washer (New VO, NGS)
- 3400 Control tension adjusting nut (New VO)
- 3401 Dual control clamp only (NGS)
- 3402 R.H. control clamp only (NGS)
- 3403 Dual control clamp only (New VO)
- 3404 R.H. control clamp only (New VO)



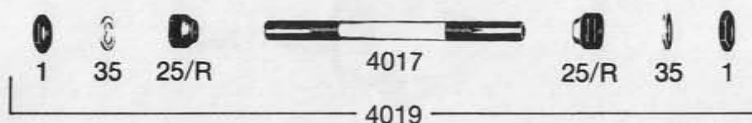
CAMPAGNOLO SUPER RECORD HUBS AND PARTS



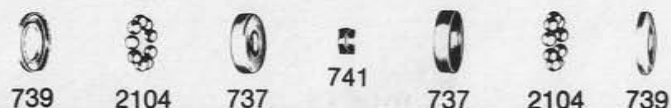
4014



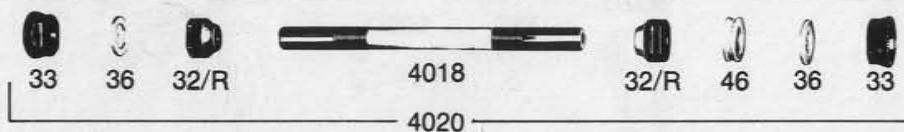
4016



4017



4018



4019



4020

- 1 Front axle lock nut (All)
- 25/R Front axle cone
- 32/R Rear axle cone
- 33 Rear road axle lock nut
- 33/P Rear track axle lock nut
- 35 Front axle tongued washer (All)
- 36 Rear axle tongued washer (All)
- 46 Rear road axle spacer

(NOTE: Super Record high-flange hubs on pages 3 and 6)

- 4104 Pair super record low-flange track hubs (Specs: Holes—24 to 40; Threads—Eng., Fr., or Ital.)

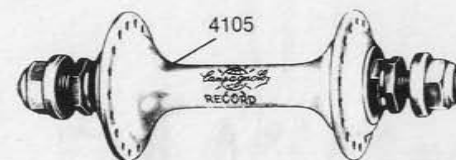
- 4105 Front low-flange track hub (SR)

- 4106 Rear low-flange track hub (SR)

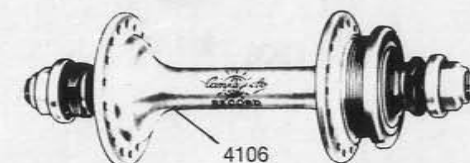
- 4014 Pair super record low-flange road hubs (Specs: Holes—24 to 40; Threads—Eng., Fr., or Ital.)

- 4015 Front low-flange road hub (SR)

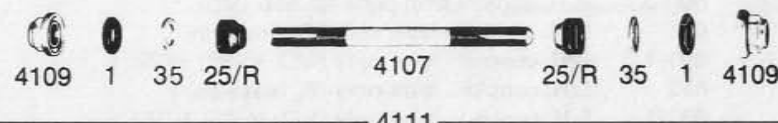
- 4016 Rear low-flange road hub (SR)



4105



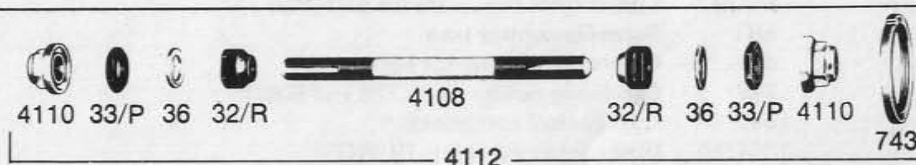
4106



4107



4108



4109



4110

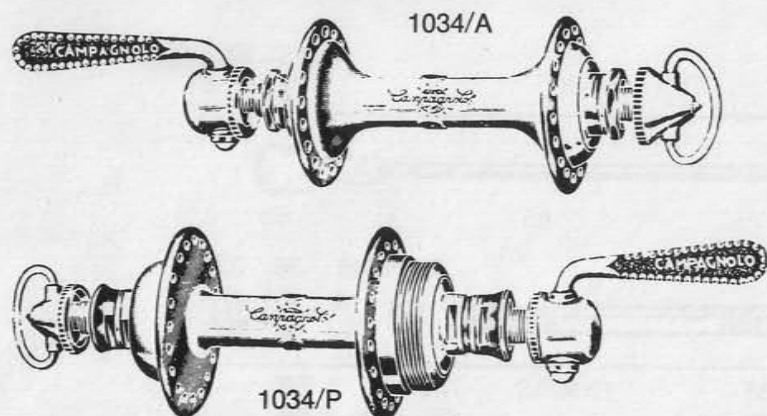


4111

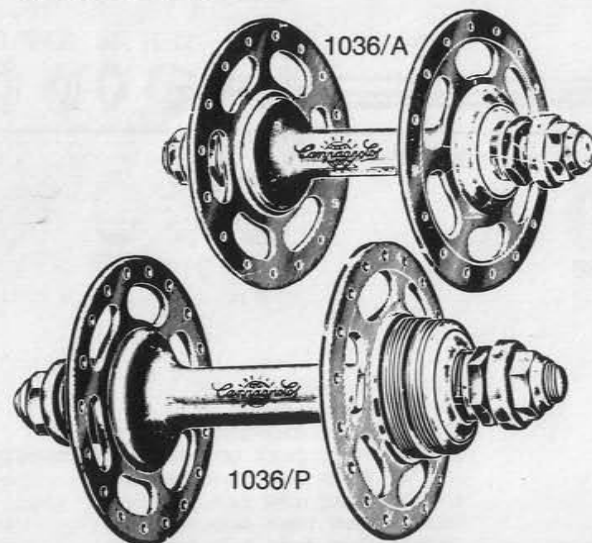
- 4017 Front road axle only (SR)
- 4018 Rear road axle only (SR)
- 4019 Front road axle complete (SR)
- 4020 Rear road axle complete (SR)
- 4107 Front track axle only (SR)
- 4108 Rear track axle only (SR)
- 4109 Front track axle nut (SR)
- 4110 Rear track axle nut (SR)
- 4111 Front track axle complete (SR)
- 4112 Rear track axle complete (SR)

- 737 Front hub inserted race (All-SR, R)
- 738 Rear hub inserted race (All-SR, R)
- 739 Front hub dust cover (All-SR, R)
- 740 Rear hub dust cover (All-SR, R)
- 741 Hub oil hole cap (SS-Front and Rear)
- 743 Track sprocket lock ring (Specs: Threads—Eng., Fr., or Ital.)
- 2104 Bearing balls for front hubs (R, SR)
- 2106 Bearing balls for rear hubs (All)

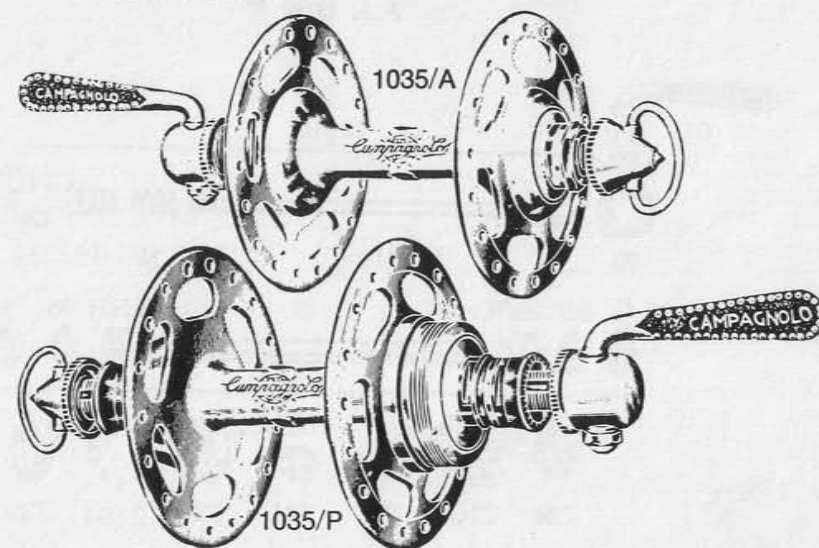
1034 **RECORD SMALL FLANGE CAMPAGNOLO**
QUICK RELEASE ROAD HUBS



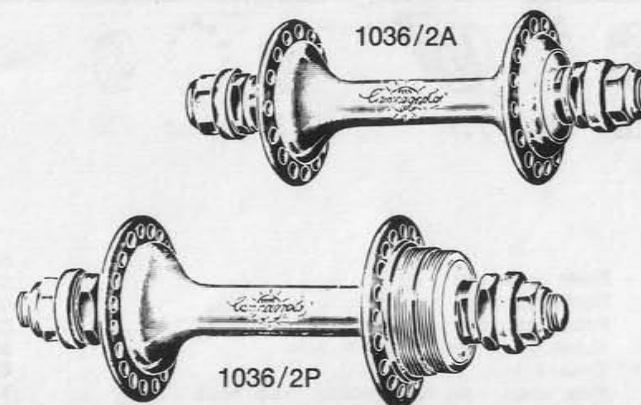
1036 **RECORD LARGE FLANGE SOLID SPINDLE**
TRACK HUBS



1035 **RECORD LARGE FLANGE CAMPAGNOLO**
QUICK RELEASE ROAD HUBS



1036/2 **RECORD SMALL FLANGE SOLID SPINDLE**
TRACK HUBS



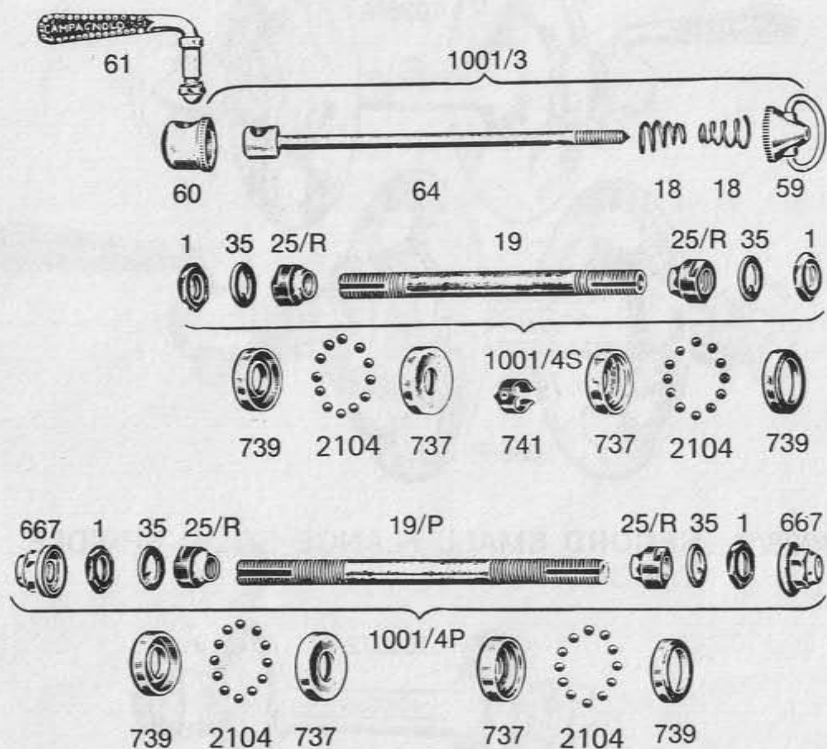
WHEN ORDERING PLEASE SPECIFY: { THREAD (\varnothing 35 \times 24 F. OR \varnothing 34,7 \times 1 OR \varnothing 1.370 \times 24 F.)
NUMBER OF HOLES (24 - 28 - 32 - 36 - 40)

HUBS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED
WITH \varnothing 1.370 \times 24 F. AND WITH 36 HOLES

SIX-SPROCKET HUBS ALSO AVAILABLE

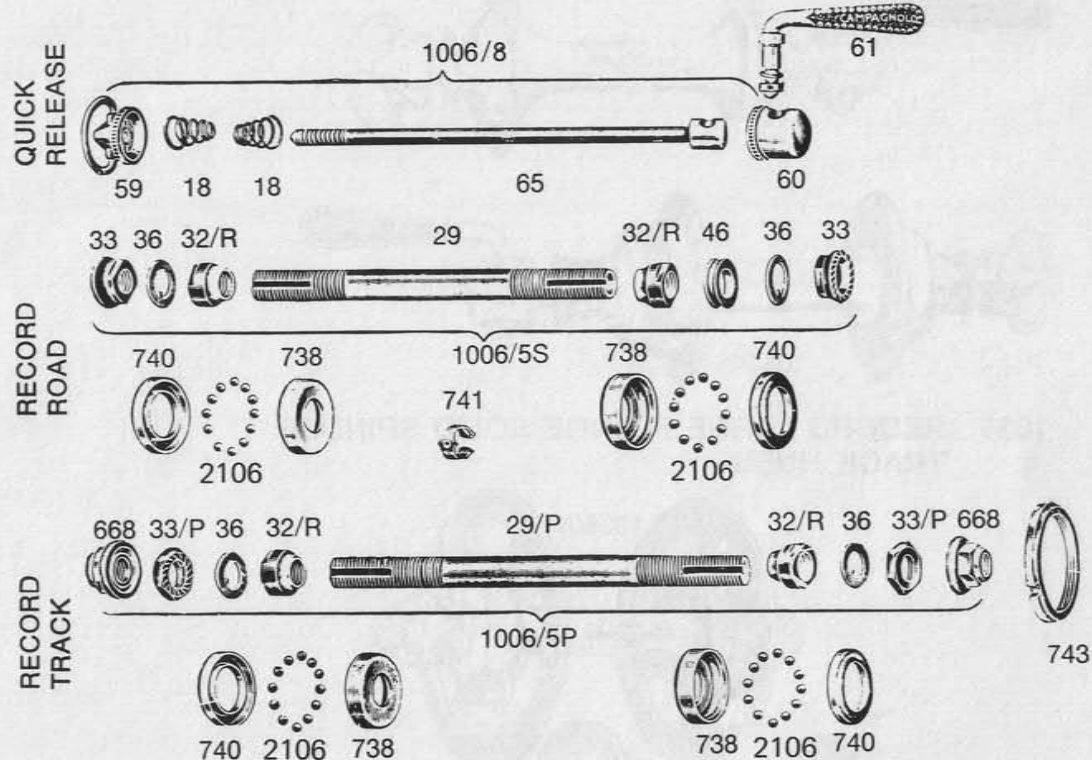
CAMPAGNOLO RECORD HUB PARTS

FRONT



- 1 Front lock nut
- 18 Conical spring
- 19 Front road axle for Record road hubs
- 19/P Front track solid spindle axle
- 25/R Record front cone
- 29 Rear road axle for Record road hubs
- 29/P Rear track solid spindle
- 32/R Record rear cone
- 33 Rear lock nut for Record road hubs
- 33/P Rear lock nut for Record track hubs
- 35 Front spindle washer
- 36 Rear spindle washer

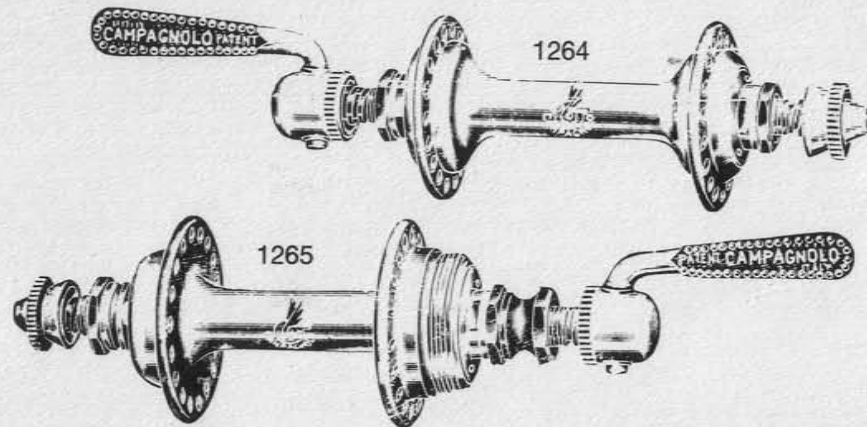
REAR



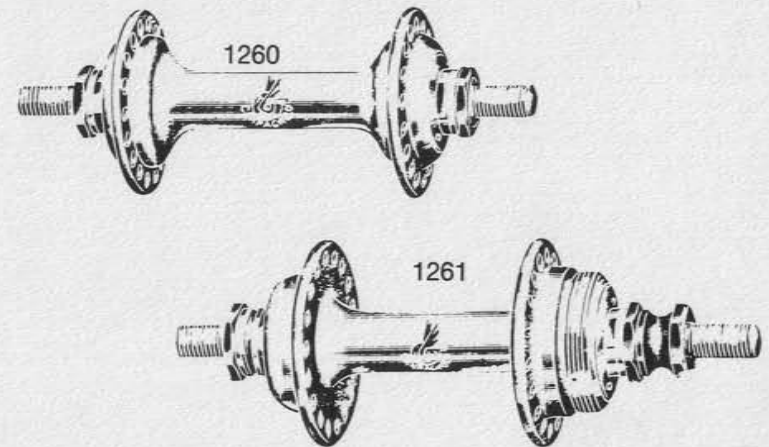
- 46 Rear spacing collar
- 59 Quick release conical adjuster
- 60 Quick release lever housing
- 61 Complete quick release lever
- 61/1 Quick release lever washer (SR, NR)
- 61/2 Quick release lever nut (SR, NR)
- 64 Quick release front skewer
- 65 Quick release rear skewer
- 667 Track front nut
- 668 Track rear nut
- 737 Front Record ball cup
- 738 Rear Record ball cup
- 739 Front dust cover

- 740 Rear dust cover
- 741 Spring clip
- 743 Track lock ring
- 1001/3 Front quick release skewer complete
- 1001/4P Front track axle complete
- 1001/4S Front road axle complete
- 1006/5P Rear track axle complete
- 1006/5S Rear road axle complete
- 1006/5S Rear road axle complete for 6-speed (must specify)
- 1006/8 Rear quick release skewer complete
- 2104 Bearing balls for front hubs (R, SR)
- 2106 Bearing balls for all rear hubs

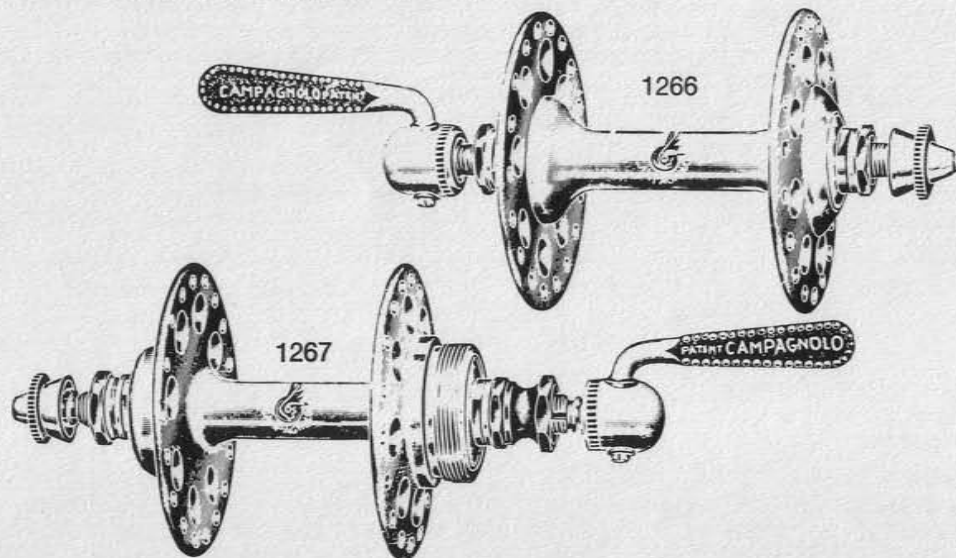
1251 **NUOVO TIPO SMALL FLANGE CAMPAGNOLO**
QUICK RELEASE HUBS



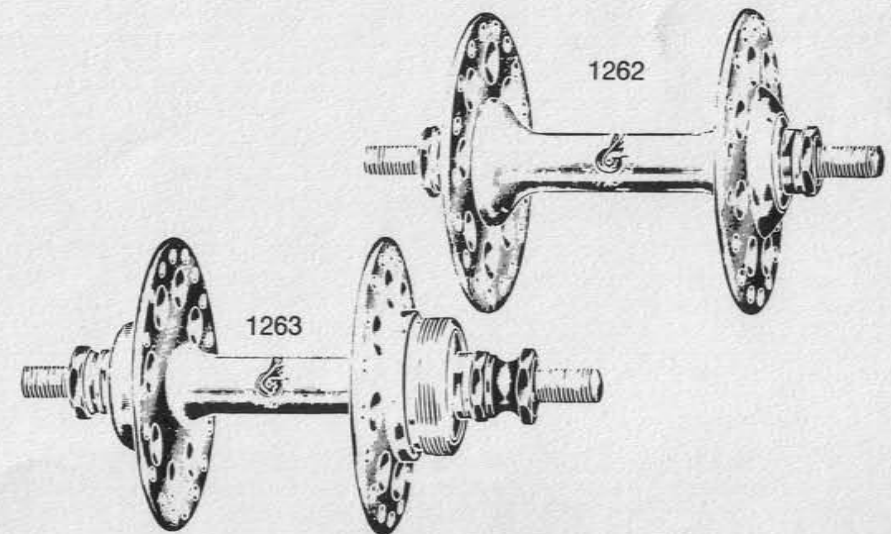
1250 **NUOVO TIPO SMALL FLANGE CAMPAGNOLO**
SOLID SPINDLE HUBS



1253 **NUOVO TIPO LARGE FLANGE CAMPAGNOLO**
QUICK RELEASE HUBS



1252 **NUOVO TIPO LARGE FLANGE CAMPAGNOLO**
SOLID SPINDLE HUBS

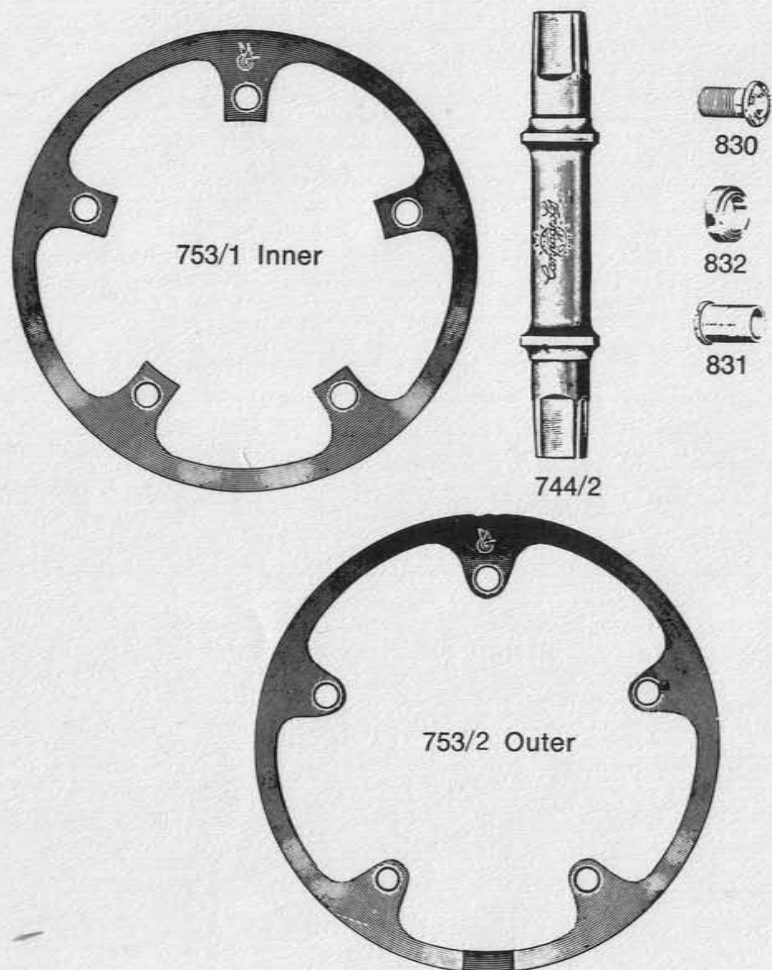


WHEN ORDERING PLEASE SPECIFY: } THREAD (\varnothing 35 \times 24 F. OR \varnothing 34.7 \times 1 OR \varnothing 1.370 \times 24 F.)
NUMBER OF HOLES (24 - 28 - 32 - 36 - 40)

HUBS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED
WITH \varnothing 1.370 \times 24 F. AND WITH 36 HOLES

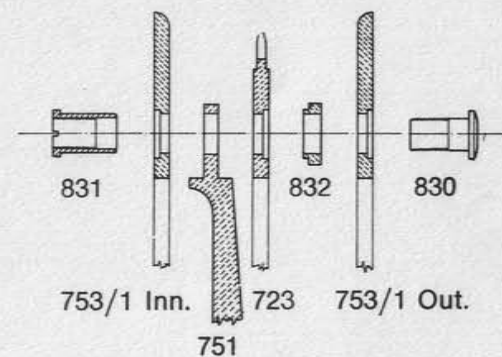
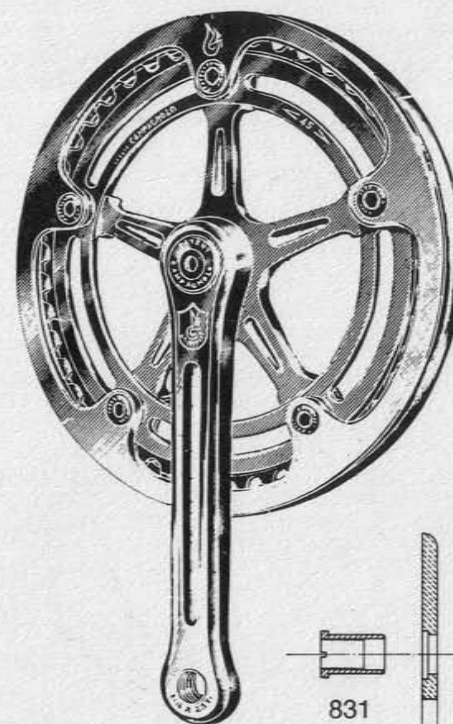
**CAMPAGNOLO ROAD SPECIAL CHAINWHEEL
SPARE PARTS**

SPARE PARTS



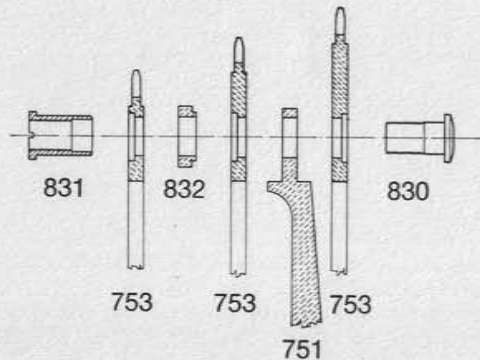
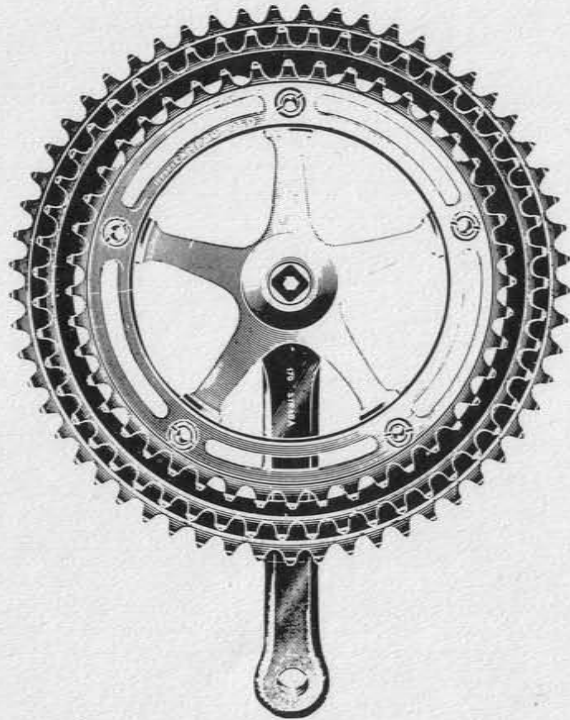
- 744/2 **Cyclocross cotterless spindle** (Specs on page 33)
- 751 **Road R.H. crank w/cover** 756 (R)
- 753 **Road chainring for 1/2" x 3/32" (2 mm) chain -**
42 to 57 teeth (R)
- 753/1 **Cyclocross inner flange**
- 753/2 **Cyclocross outer flange**
- 830 **Triple chainring fixing bolt**
- 831 **Nut for bolt 830**
- 832 **Triple chainring spacer**

**CAMPAGNOLO CYCLOCROSS RIGHT HAND CRANK
WITH PROTECTIVE FLANGES**



CAMPAGNOLO TRIPLE CRANKSET CONVERSIONS

STANDARD TRIPLE CONVERSION



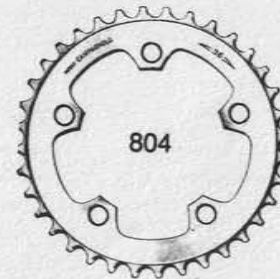
752



756



753



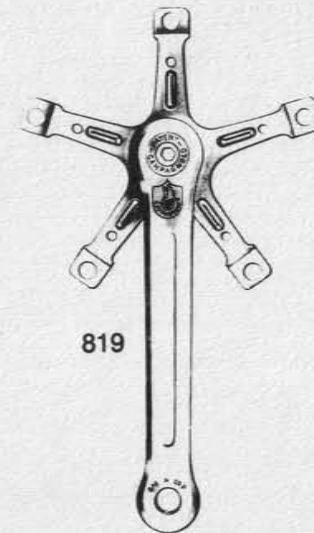
804



744/1

- 744/1 Triple cotterless spindle - see specs page 33
- 751 Road R.H. crank w/cover 756 (R)
- 752 Road L.H. crank w/cover 756 (R)
(Use 170 mm for 1049/5 ONLY)
- 753 Road chainring for 1/2" x 3/32" (2 mm)
chain - 42 to 57 teeth (R)
- 754 Road chainwheel fastening screw
- 755 Road chainwheel fastening nut
- 756 Crank cover plate (All)

SPECIAL TRIPLE CONVERSION



819

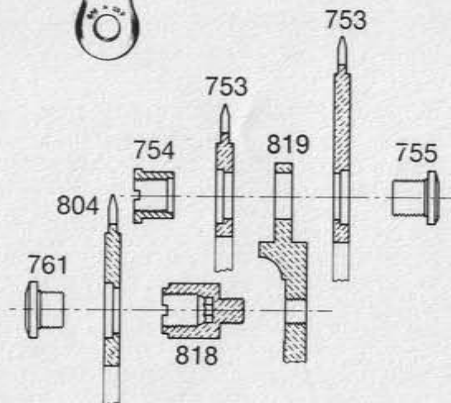


754

755

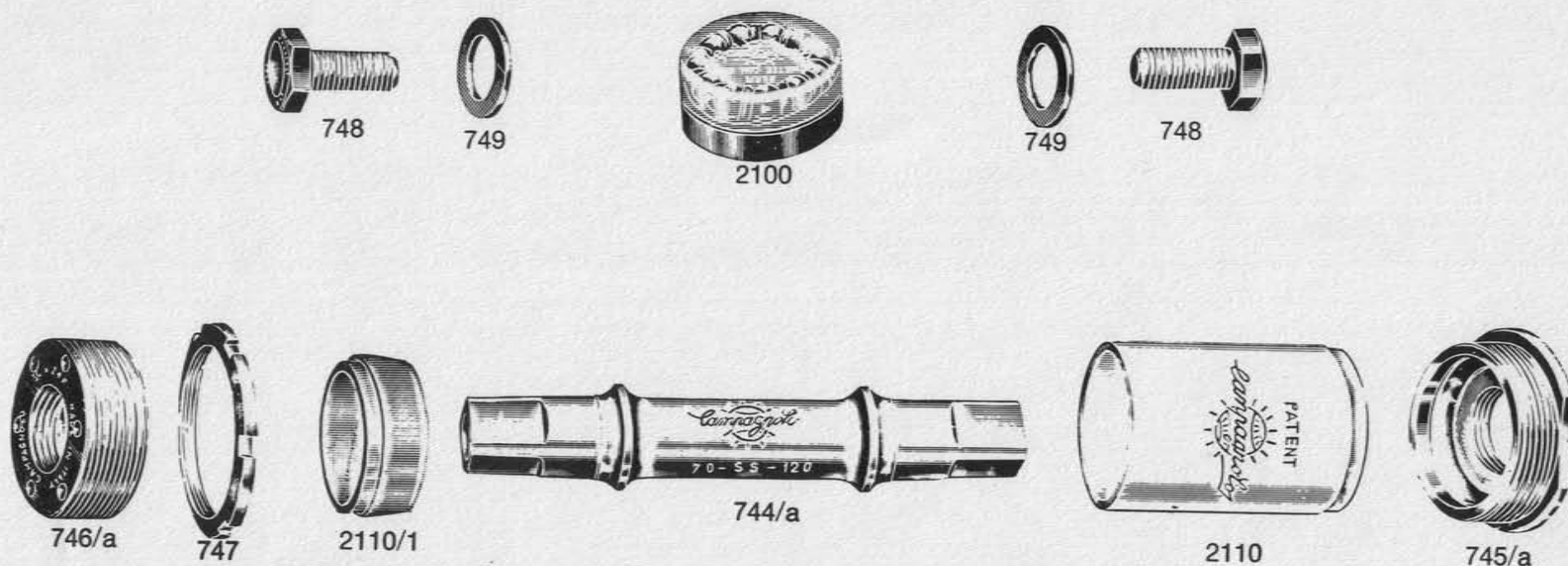
818

761



- 761 Track chainwheel fastening screw
- 804 36-Tooth chainring for special triple conversion
- 818 Chainwheel spacer (to fit 804 to 819)
- 819 R.H. crank (to fit 36-tooth chainring 804)
(Available in 170 mm ONLY)
- 830 Triple chainring fixing bolt
- 831 Nut for bolt 830
- 832 Triple chainring spacer

1046/A CAMPAGNOLO NUOVO RECORD BOTTOM BRACKET SET PARTS



1046/a AND 744/a AVAILABLE IN 68-SS-120 AND 70-SS-120 **ONLY** (OTHER SPECS ON PAGE 33)

CUPS WITH A 0,5 mm. INCREASED THREAD AVAILABLE

Details of the bracket serial number (ex. 68-SS-120)

- the number (68) indicates the width
- (SS) indicate road
- the number (120) indicates the suggested width of the rear hub for a perfect chain line (see pages 51-53)

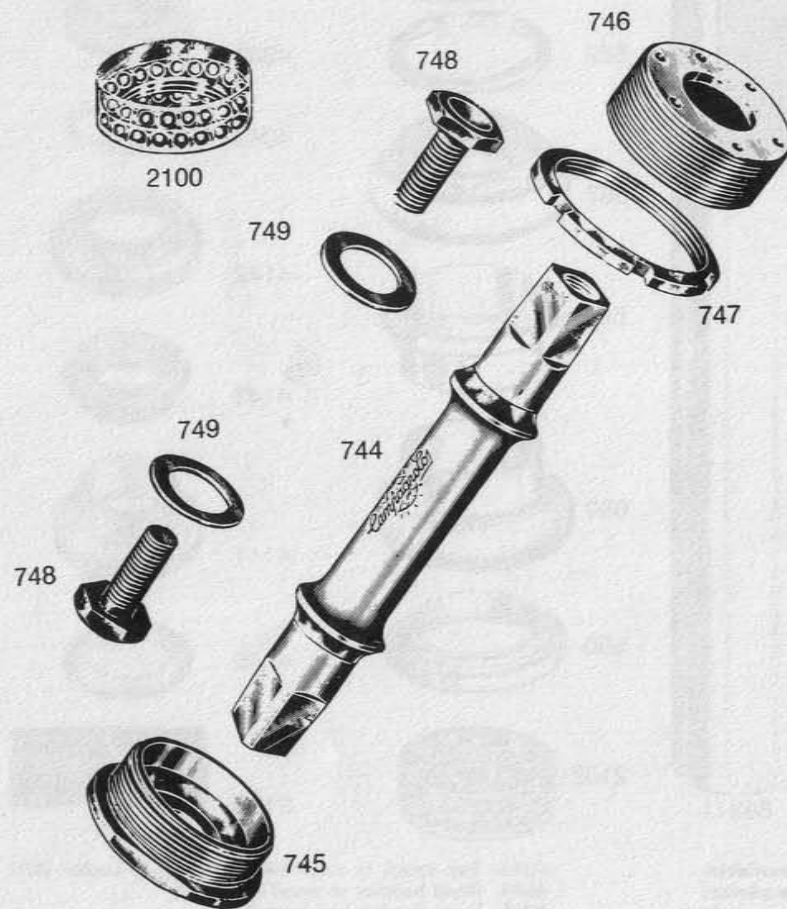
BRACKET SETS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED AS FOLLOWS:

- 68-SS-120 axle
- cups thread \varnothing 1.370" X 24 F.

- 744/a **Cutterless** road spindle
- 745/a **Fixed** cup*
- 746/a **Adjustable** cup
- 747 **Lockring** 3,5 mm. standard size
(available also in 4 and 4,5 mm.)
- 748 **Fixing** screw
- 749 **Fixing** washer
- 2100 **Bottom** bracket special ball races
- 2110 **Record** sleeve
- 2110/1 **Cone** for Record sleeve

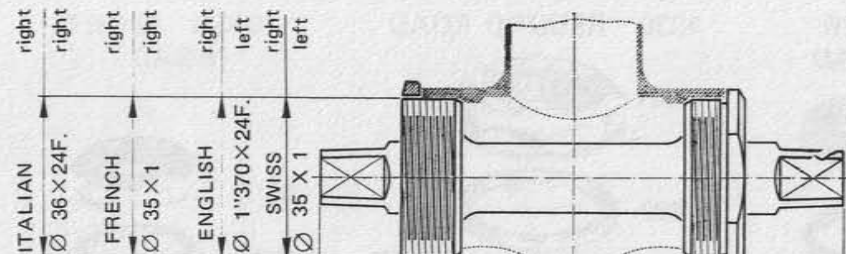
* Swiss cup available on special order only

1046 CAMPAGNOLO BOTTOM BRACKET SET SPECIFICATIONS



- 744 Coterless road spindle
- 745 Fixed cup *
- 746 Adjustable cup
- 747 Lockring 3,5 mm. standard size
(available also in 4 and 4,5 mm.)
- 748 Fixing screw
- 749 Fixing washer
- 2100 Bottom bracket special ball races

* Swiss cup available on special order only



THREAD TYPE		SPINDLE SPECIFICATIONS				BOTTOM BRACKET WIDTH		SPINDLE LENGTH	
SUPER RECORD AND RECORD TRACK	65-P-110	16	3,5	65	3,5	16		mm.	104
	68-P-110	14,5	3,5	68	3,5	15,5		»	105
	68-P-120	17	3,5	68	3,5	17		»	109
	70-P-120	16	3,5	70	3,5	16		»	109
RECORD ROAD	68-SS-120	17	3,5	68	3,5	20		mm.	112
	70-SS-120	17	3,5	70	3,5	19		»	113
	74-SS-120	17	3,5	74	3,5	19		»	117
TRIPLE	68-SS-120 x 3	17	3,5	68	3,5	25		mm.	117
	70-SS-120 x 3	17	3,5	70	3,5	24		»	118
CYCLOCROSS	68-C-120	17	3,5	68	3,5	23,5		mm.	115,5
	70-C-120	16	3,5	70	3,5	22,5		»	115,5
SPORT ROAD	68-SS-120	17	3,5	68	3,5	20		mm.	112
	70-SS-120	17	3,5	70	3,5	19		»	113

CUPS WITH A 0,5 mm. INCREASED THREAD AVAILABLE

Details of the bracket serial number (ex.: 65-P-110)

- The number (65) indicates the bracket width
- (P) indicates track
- (SS) indicate road
- The number (110) indicates the suggested width of the rear hub for a perfect chain line (see pages 51-53)

BRACKET SETS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED AS FOLLOWS:

- Spindle — 68-SS-120 (or 68-P-120, 68-C-120)
- Thread — 1.370 x 24 F.

CAMPAGNOLO HEADSETS

4041 SUPER RECORD ROAD



- 681 Lockring nut
- 682 Locking washer
- 683 Screwed race
- 684 Top head race (0.5 mm larger gauge available)
- 685 Bottom head race (0.5 mm. larger gauge available)
- 686 Crown race (smaller diameter available)
- 687 Track screwed race
- 687/a Sport screwed race
- 688 Top head race (0.5 mm larger gauge available)

1039 RECORD ROAD



2101

1040/a SPORT ROAD



2102

- 688/a Top head race (S) (0.5 mm larger gauge available)
- 689 Bottom head race (0.5 mm larger gauge available)
- 689/a Bottom head race (S) (0.5 mm larger gauge available)
- 690 Crown race (smaller diameter available)
- 690/a Crown race (S) (smaller diameter available)
- 693/1 Steerer
- 2101 Bearing set for road headset
- 2102 Bearing set for track headset
- 4042 Top (track or road) headset locknut (SR)

1040 RECORD TRACK



2102

- 4043 Top (track or road) headset tongued-washer (SR)
- 4044 Road headset screwed race (SR)
- 4045 Road headset top race (SR)
- 4046 Road headset bottom race (SR)
- 4047 Road headset crown race (SR)
- 4142 Track headset screwed race (SR)
- 4143 Track headset top race (SR)
- 4144 Track headset bottom race (SR)
- 4145 Track headset crown race (SR)

4141 SUPER RECORD TRACK



2102

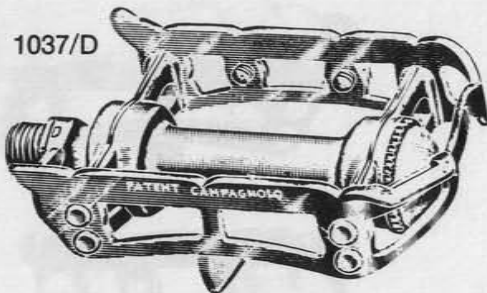
HEADSETS ORDERED WITHOUT SPECIFICATION WILL BE SUPPLIED WITH \varnothing 1" x 24 T.P.I. THREAD

HEADSETS WITH \varnothing 25 x 1 AND \varnothing 25.4 x 24 F. THREADS AVAILABLE

CAMPAGNOLO HEADSETS ARE SUPPLIED COMPLETE WITH SPECIAL BALL RACES (\varnothing 3/16" FOR ROAD AND \varnothing 5/32" FOR TRACK)

STEERER AVAILABLE WITH THREAD \varnothing 25.4 x 24 F. AND WITH LENGTHS 160-180-200-220-250-270 mm.

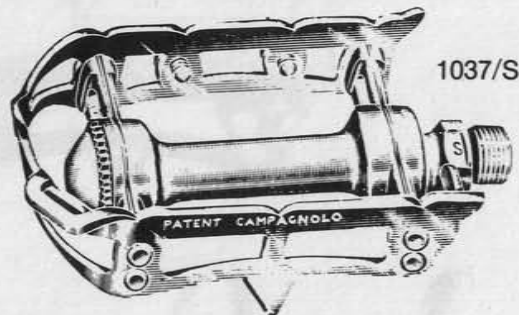
1037 ROAD TYPE



1037/D

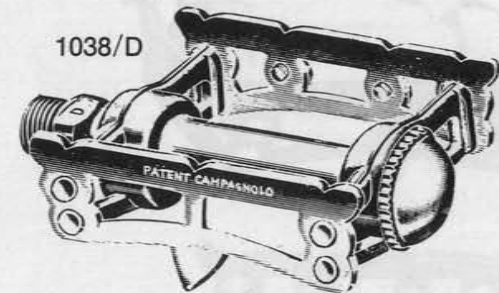
1037/D Road right hand pedal

1037/S Road left hand pedal



1037/S

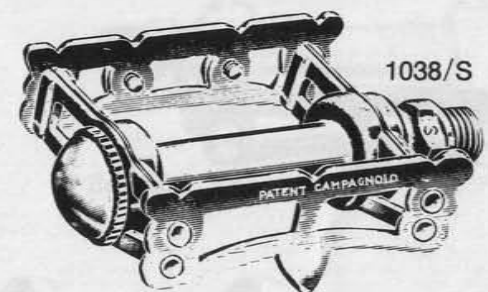
1038 TRACK TYPE



1038/D

1038/D Track right hand pedal

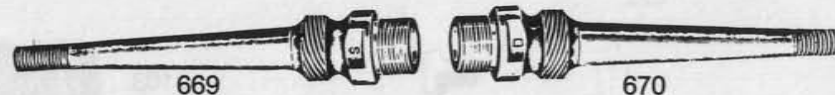
1038/S Track left hand pedal



1038/S

SPARE PARTS

- * 669 Left hand pedal axle
- * 670 Right hand pedal axle
- 672 Inserted race
- 673 Pedal axle washer
- 674 Pedal axle cone
- 675 Pedal axle lock nut
- 676 Toe clip bolt
- 677 Toe clip washer
- 678 Inner dust cap
- 679 Pedal dust cap
- 2103 Pedal special ball races



669

670



672



673



674



675



676



677



678



679

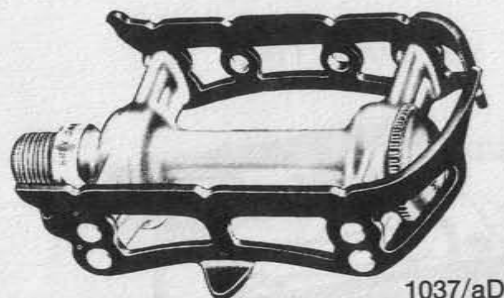


2103

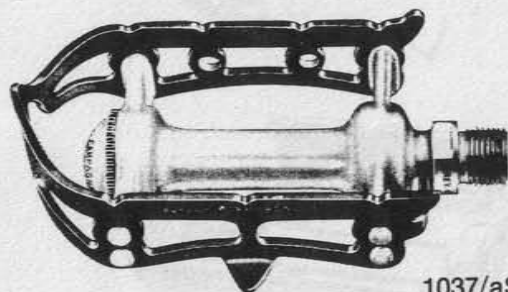
*UNLESS OTHERWISE REQUESTED, PEDALS WILL BE SUPPLIED WITH \varnothing 9/16" X 20F. SPINDLE
PEDALS WITH \varnothing 14 X 1.25 (FRENCH) THREAD SPINDLES AVAILABLE

CAMPAGNOLO RECORD EXTRA LIGHT PEDALS

1037/a Road type



1037/aD



1037/aS

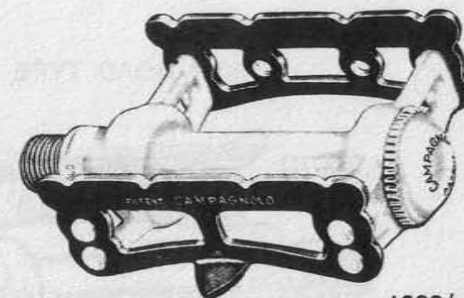
1037/aD Extra light road right hand pedal

1037/aS Extra light road left hand pedal

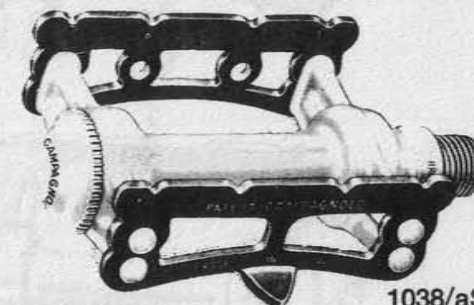
1038/aD Extra light track right hand pedal

1038/aS Extra light track left hand pedal

1038/a Track type



1038/aD



1038/aS



SUPER RECORD PEDAL PARTS



672



672



674



673



675



678



679/A

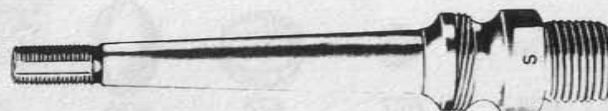


677



89

2103



4025

4024

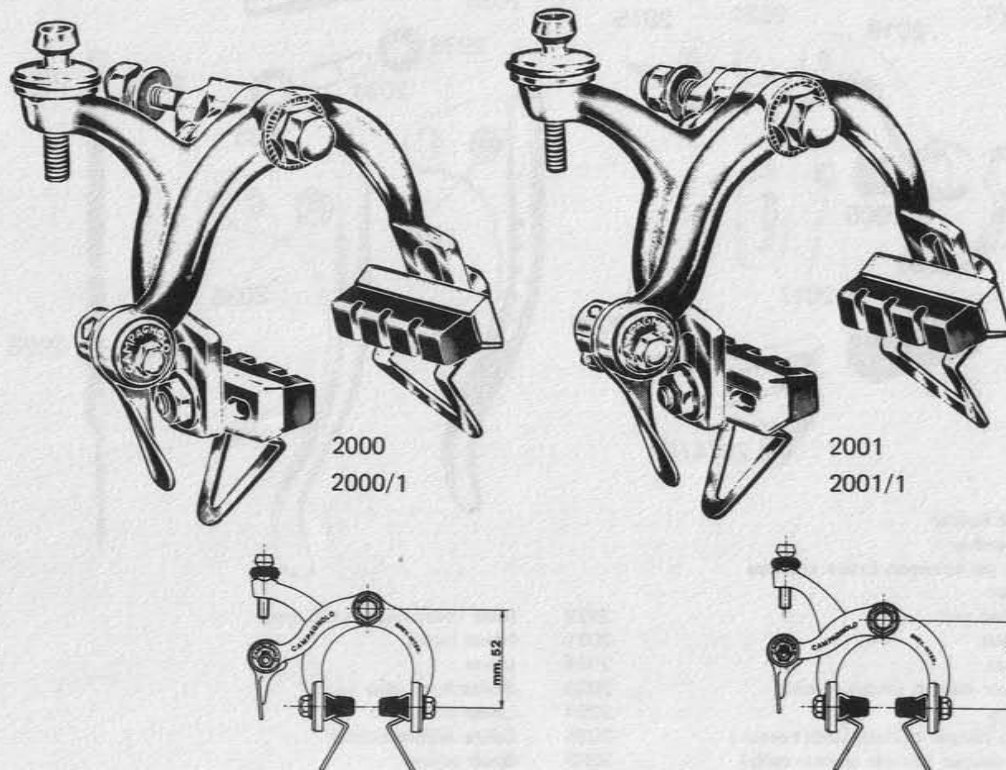


- 89 Toe clip bolt
- 672 Inserted pedal race (All)
- 673 Pedal axle tongued washer (All)
- 674 Pedal axle cone (All)

- 675 Pedal axle lock nut (All)
- 677 Washer for 676, 124, 89
- 678 Inner dust cap (All Pedals)
- 679/A Pedal dust cap (SR, SL)

- 2103 Pedal bearings
- 4024 R.H. titanium pedal shaft (SR)
- 4025 L.H. titanium pedal shaft (SR)

- 2040 CAMPAGNOLO BRAKES AND CONTROL LEVERS
 2040/1 CAMPAGNOLO SHORT-REACH BRAKES AND CONTROL LEVERS
 4061 CAMPAGNOLO SUPER RECORD BRAKES AND CONTROL LEVERS
 4061/1 CAMPAGNOLO SUPER RECORD SHORT-REACH BRAKES AND CONTROL LEVERS



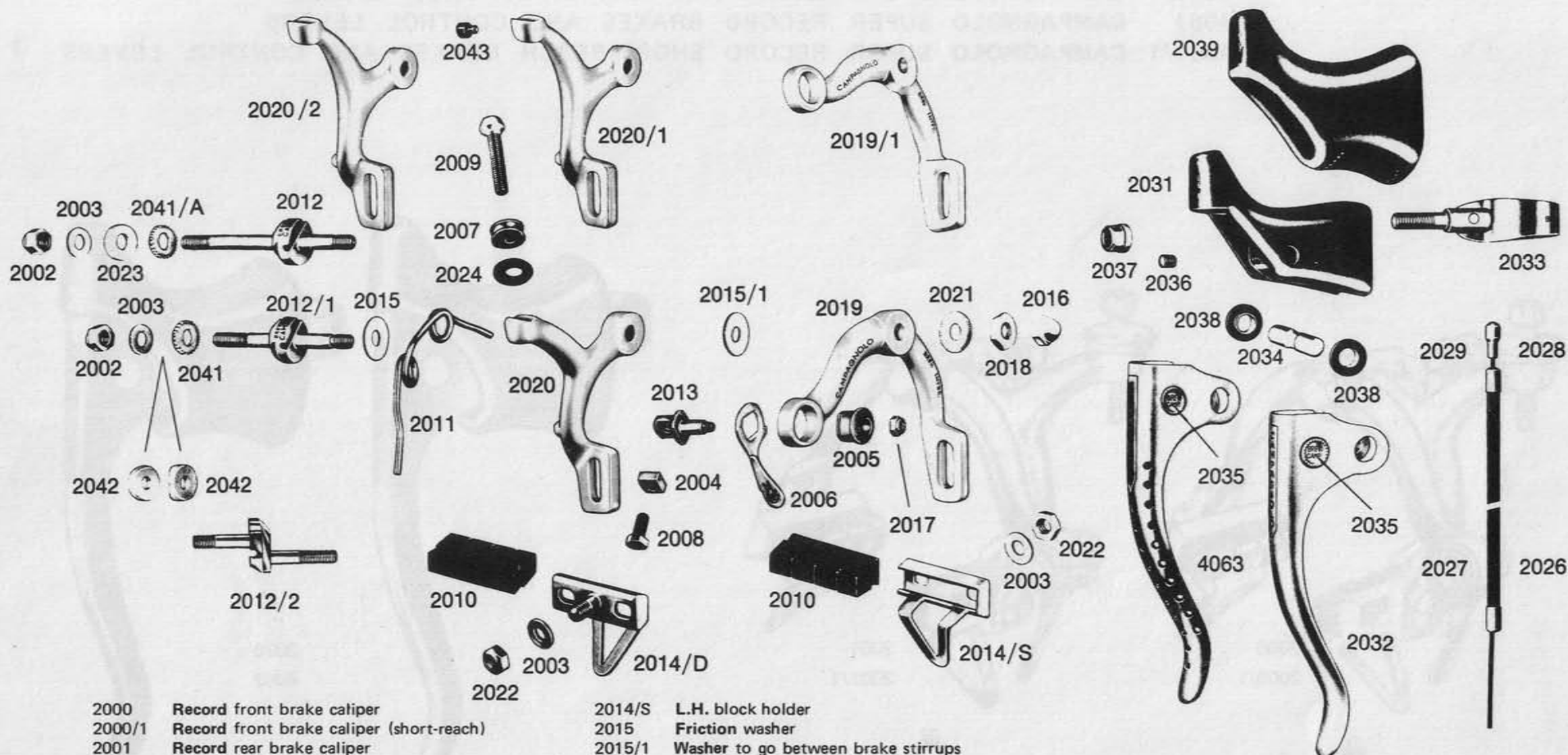
2000 Front caliper
 2000/1 Front caliper (short-reach)

2001 Rear caliper
 2001/1 Rear caliper (short-reach)

2030 Brake quick release lever
 4062 Super Record "drilled" lever (see page 38)

IF REQUESTED, OUTER CASINGS AND CABLES ARE FURNISHED, INCREASED BY 6 cm (SEE NORMAL MEASURES ON PAGE 38)

CAMPAGNOLO RECORD BRAKES AND CONTROL SYSTEM SPARE PARTS



2000 Record front brake caliper
 2000/1 Record front brake caliper (short-reach)
 2001 Record rear brake caliper
 2001/1 Record rear brake caliper (short-reach)
 2002 Center bolt fixing nut
 2003 Washer
 2004 Clamp bolt washer
 2005 Cam
 2006 Quick release cam lever
 2007 Adjusting nut
 2008 Cable clamp bolt
 2009 Adjusting screw
 2010 Brake block
 2011 Tension spring
 2012 Front brake center bolt
 2012/1 Rear brake center bolt
 2012/2 Rear brake center bolt (6mm offset)
 2013 Cable clamp
 2014/D R.H. block holder

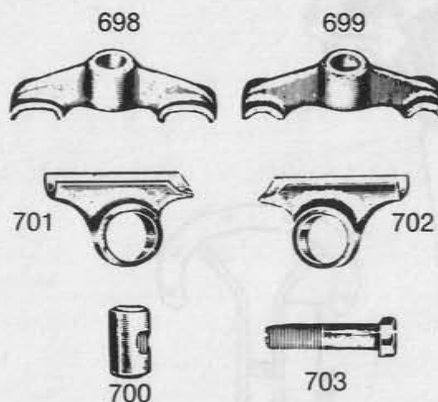
2014/S L.H. block holder
 2015 Friction washer
 2015/1 Washer to go between brake stirrups
 2016 Domed nut
 2017 Cam locking nut
 2018 Locking nut
 2019 R.H. stirrup
 2019/1 R.H. caliper stirrup (short-reach)
 2020 L.H. stirrup
 2020/1 L.H. front caliper stirrup (short-reach)
 2020/2 L.H. rear caliper stirrup (short-reach)
 2021 Serrated washer
 2022 Brake shoe nut
 2023 Concave washer (front caliper)
 2024 Adjusting rubber
 2025 Special brake spanner (see page 49 tools)
 2026 Front brake outer cable (56 cm)
 2027 Rear brake outer cable (114 cm)
 2028 Front inner cable (68 cm)

2029 Rear inner cable (126 cm)
 2031 Lever hood
 2032 Lever
 2033 Brake lever clip
 2034 Lever pivot pin
 2035 Cable nipple holder
 2036 Grub screw
 2037 Clamp nut
 2038 Lever bush
 2039 Rubber lever hood
 2041 Toothed washer
 2041/A Front toothed washer for mounting caliper
 2042 Concave washer for mounting rear caliper
 2043 Rubber stop for short-reach caliper
 4063 Super Record "drilled" lever

CAMPAGNOLO SEAT PINS AND PARTS

1044 FOR WIDE CRADLE SADDLES WITH SHORT ADJUSTMENT

SPARE PARTS

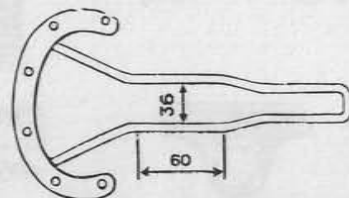


- 698 Front bracket
- 699 Rear bracket
- 700 Bolt nut
- 701 Left hand side support
- 702 Right hand side support
- 703 Fixing and adjusting bolt

WHEN ORDERING PLEASE SPECIFY:

— PIN DIAMETER AS PER ONE OF THE GIVEN SIZES: 25 - 25.8 - 26 - 26.2 - 26.4 - 26.6 - 26.8 - 27 - 27.2 - 27.4.

— LENGTH OF THE PIN - STANDARD (180 mm) - SHORT (130 mm)

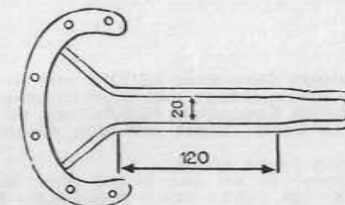


1045 FOR NARROW CRADLE SADDLES WITH LONG ADJUSTMENT

SPARE PARTS

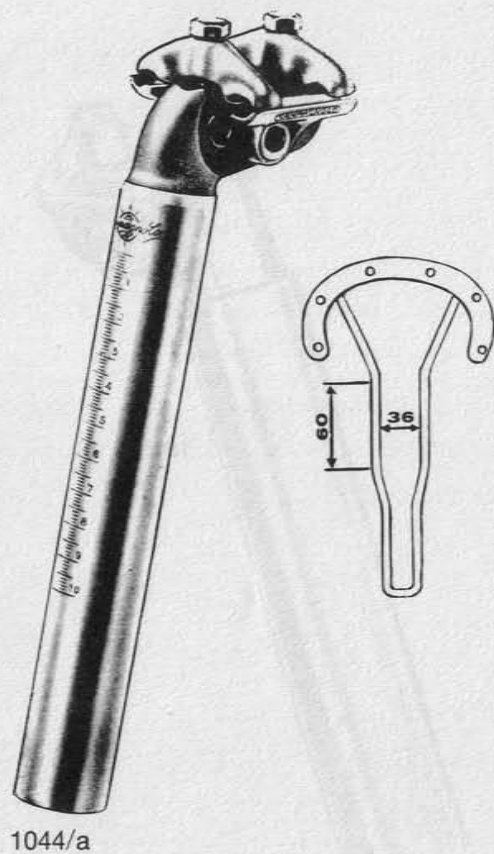


- 700 Bolt nut
- 703 Fixing and adjusting bolt
- 765 Front and rear clamp
- 766 Right and left hand support



CAMPAGNOLO SEAT PINS AND PARTS

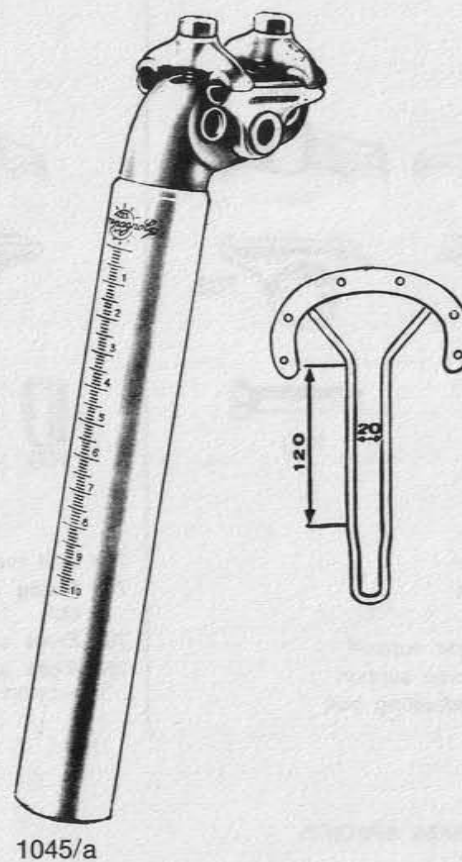
SUPERLIGHT **CAMPAGNOLO** RECORD SEAT PIN
FOR WIDE CRADLE SADDLES



1044/a Superlight Campagnolo RECORD seat pin for wide cradle saddles with short adjustment
1045/a Superlight Campagnolo RECORD seat pin for narrow cradle saddles with long adjustment

When ordering please specify:
— pin diameter as per one of the given sizes: 25 - 25,8 - 26 - 26,2 - 26,4 - 26,6 - 26,8 - 27 - 27,2 - 27,4
— length of the pin: standard (130 mm) - long (180 mm)

SUPERLIGHT **CAMPAGNOLO** RECORD SEAT PIN
FOR NARROW CRADLE SADDLES



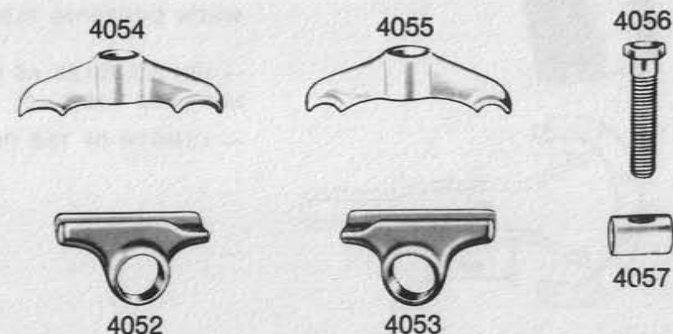
4052 L.H. seat support for 4051 (SR)
4053 R.H. seat support for 4051 (SR)
4054 Rear bracket for 4051 (SR)
4055 Front bracket for 4051 (SR)
4056 Fixing and adjusting bolt for 4051 (SR)
4057 Nut for 4056 (SR)

NOTE: 4051 available in 147mm length only.

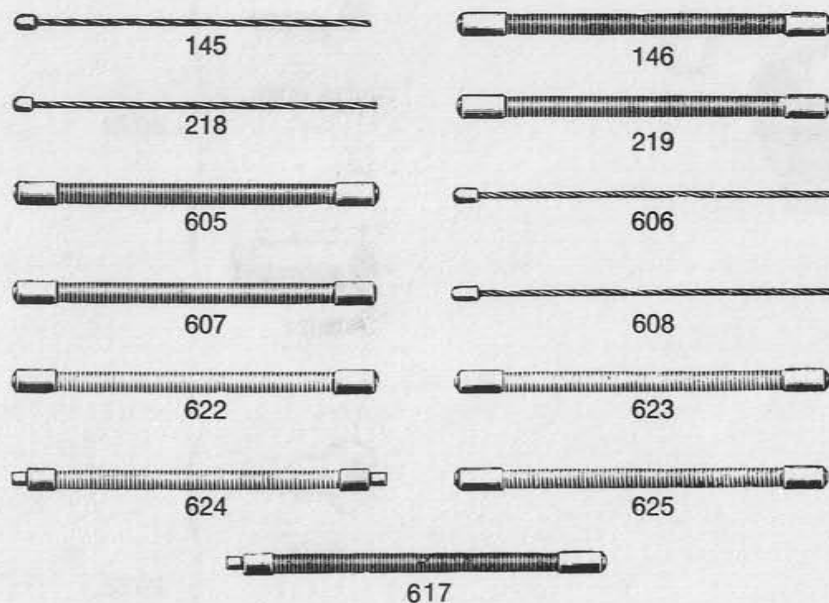
CAMPAGNOLO SUPER RECORD SEAT PIN
(AVAILABLE IN WIDE CRADLE ONLY)



SUPER RECORD SEAT PIN PARTS

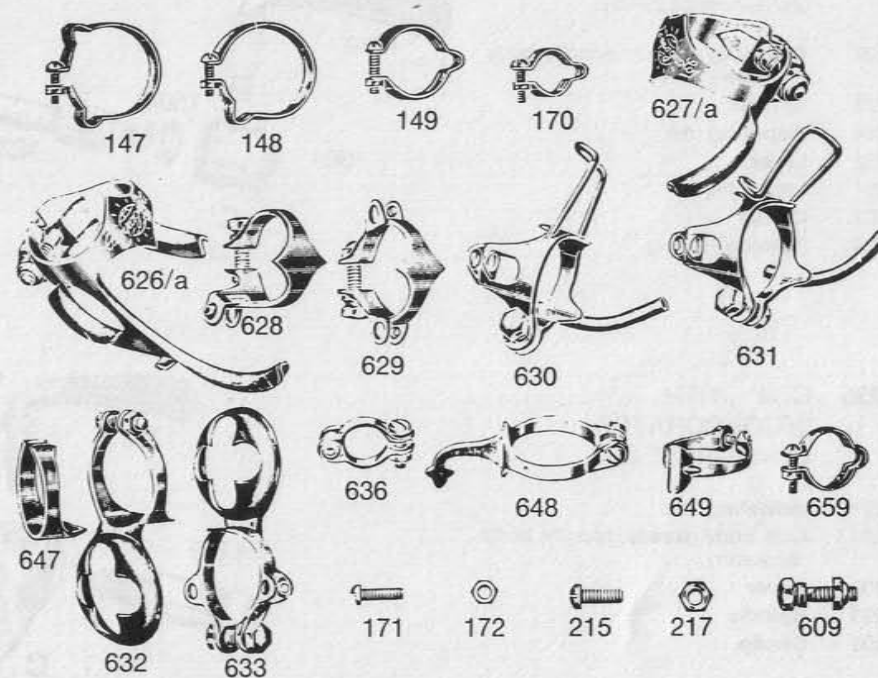


CAMPAGNOLO OUTER AND INNER CABLES



- 145 Rear derailleur cable to handlebar control (197 cm.)
 146 Rear derailleur outer casing to handlebar control (185 cm.)
 218 Front changer cable to handlebar control (150 cm.)
 219 Front changer outer casing to handlebar control (140 cm.)
 605 Gear outer casing (105 cm.)
 606 Gear cable to frame control (118 cm.)
 607 Down tube front outer casing (59 cm.)
 608 Front changer cable to frame control (70 cm.)
 617 Stainless cable casing to fit 621 (21 cm)
 619 Outer casing ferrule
 620 Spindled ferrule
 622 Rear derailleur steel outer casing (21 cm.)
 623 Front changer steel outer casing (15.5 cm.)
 624 Chainstay outer casing (10 cm.)
 625 Steel outer casing from handlebar control to 629 (75 cm)
 652 Safety cable
 711 Gear vipla outer casing (23 cm.)
 2045 Brake cable casing end-protector

CAMPAGNOLO CLIPS

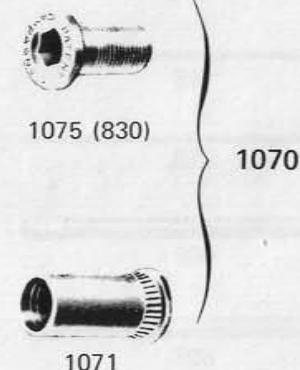


- 147 Twin outer cable clip (28 mm. Ø)
 148 Outer cable clip (28 mm. Ø)
 149 Outer cable clip (22 mm. Ø)
 170 Outer cable clip (13 mm. Ø)
 171 Clip bolt
 172 Nut for bolt 171
 215 Cage spanner bolt
 217 Cage spacer bolt nut
 609 Clip bolt and nut
 626/a Double stop clip for down tube controls
 627/a Down tube tunnel R/H for gear
 628 Front changer clip
 629 Double stop cable clip for handlebar control
 630 Clip-on-tunnel and stop with pump holder D/T
 631 Clip-on-tunnel and stop with pump holder
 632 Pump holder
 633 Clip with pump holder for 10-speed handlebar stops
 636 Stop clip on chainstay for rear derailleur
 647 Adaptor shim when fitting 632 to down tube
 648 Pump peg holder
 649 Brake cable clip
 659 Outer cable clip (15 mm. Ø)

CAMPAGNOLO SPECIAL BINDER BOLTS

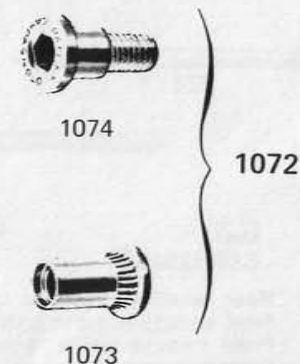
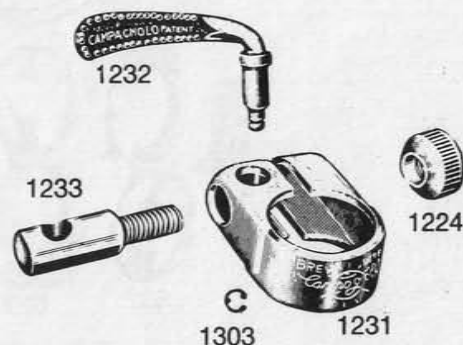
1220 CLIP WITH QUICK-RELEASE

- 1222 Clip body (please specify body diameter)
- 1223 Spindle
- 1224 Adjusting nut
- 1232 Lever
- 1301 Lever block
- 1303 Circlip
- 1304 Tension spring



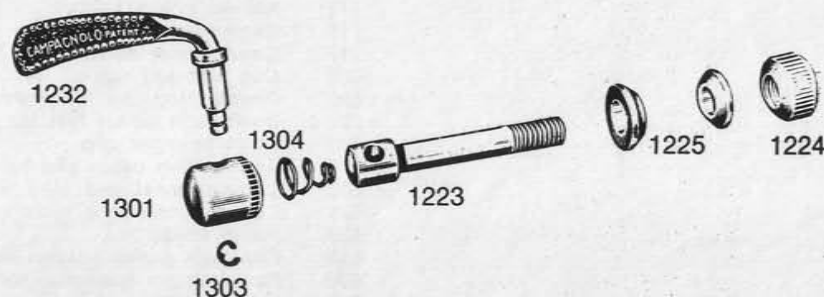
1230 CLIP WITH INCORPORATED QUICK-RELEASE

- 1224 Adjusting nut
- 1231 Clip body (please specify body diameter)
- 1232 Lever
- 1233 Spindle
- 1303 Circlip



1240 SPECIAL QUICK-RELEASE BOLT

- 1223 Spindle
- 1224 Adjusting nut
- 1225 Spacing washers
- 1232 Lever
- 1301 Lever block
- 1303 Circlip
- 1304 Tension spring

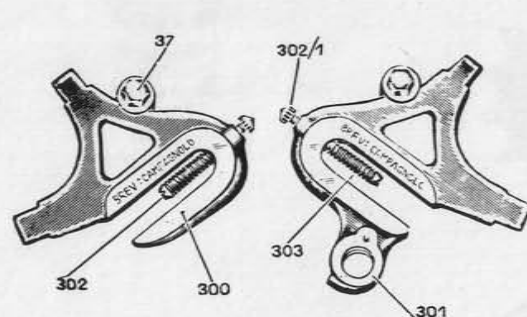


- 830 Bolt for fixing seat pin to frame (\varnothing 10)
- 1070 Bolt and nut for fixing seat pin to frame (\varnothing 10)
- 1071 Nut for fixing seat pin to frame (\varnothing 10)
- 1072 Bolt and nut for fixing seat pin to frame (\varnothing 8)
- 1073 Nut for fixing seat pin to frame (\varnothing 8)
- 1074 Bolt for fixing seat pin to frame (\varnothing 8)
- 1075 Bolt for nut 1071 (\varnothing 10)

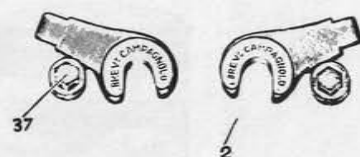
WHEN ORDERING PLEASE ALWAYS SPECIFY THE DESIRED DIAMETER OF CLAMP

CAMPAGNOLO FRONT AND REAR FORK ENDS

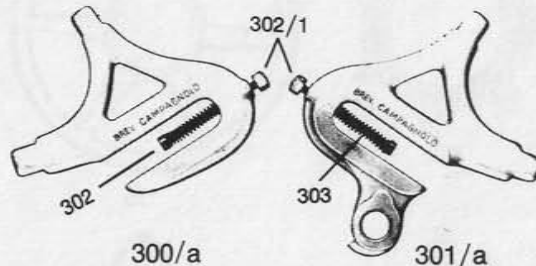
1010 RECORD SET



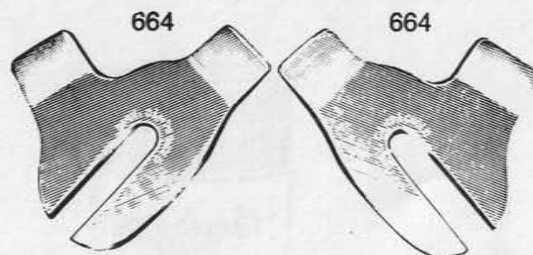
- 2 Front fork ends
- 37 Screw and washer
- 300 Left hand rear end
- 301 Right hand rear end
- 302 Adjusting bolt
- 302/1 Nut for bolt 302
- 303 Adjusting bolt spring



1010/a REAR AND FRONT FORK ENDS WITHOUT EYELETS



1053 TRACK SET



300/a

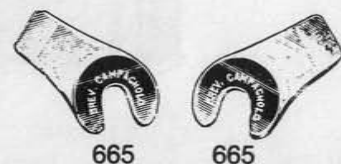
301/a



2/a

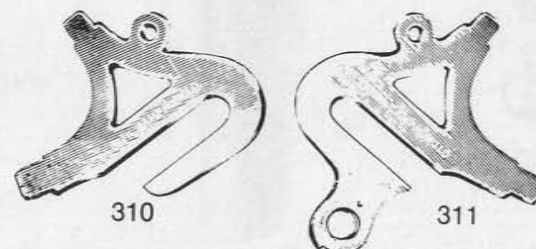
2/a

- 2/a Front fork ends without eyelets
- 300/a Left hand rear end without eyelet
- 301/a Right hand rear end without eyelet
- 302 Adjusting bolt
- 302/1 Nut for bolt 302
- 303 Adjusting bolt spring
- 1010/a Campagnolo rear and front fork ends without eyelets

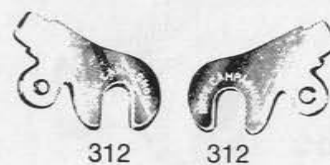


- 664 Rear fork ends
- 665 Front fork ends

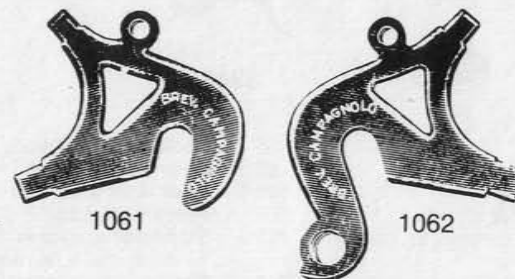
1010/1 SPORT SET



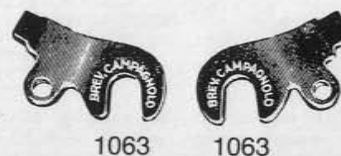
- 310 Left hand rear end
- 311 Right hand rear end
- 312 Front fork ends



1060 RACING SET

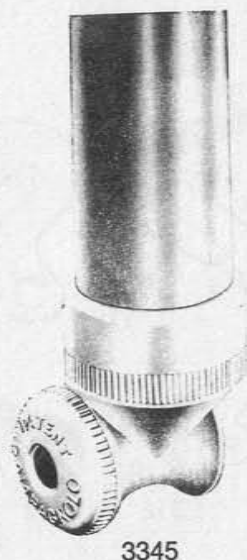
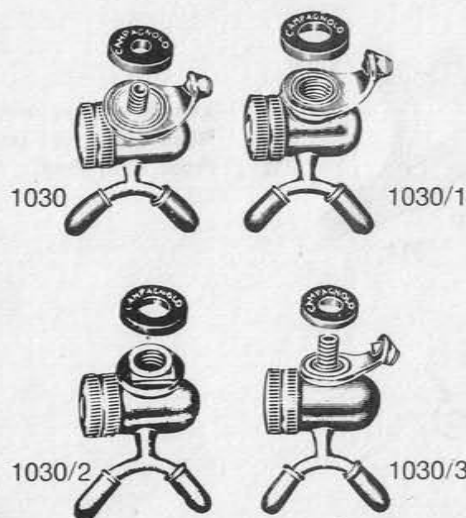


- 1061 Left hand rear end
- 1062 Right hand rear end
- 1063 Front fork ends

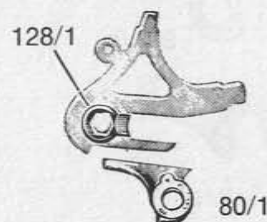
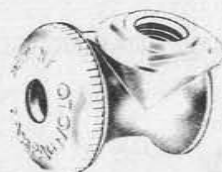
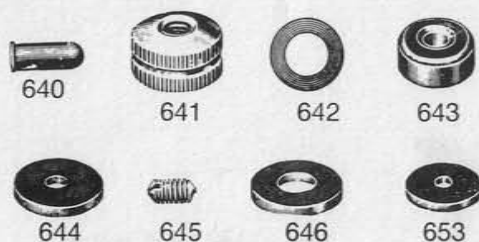


CAMPAGNOLO PUMP ENDS, TRACK SPROCKETS AND GREASE

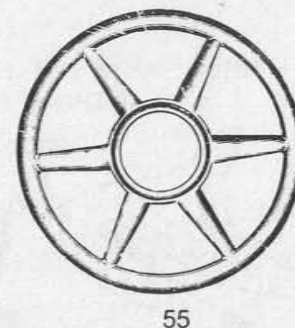
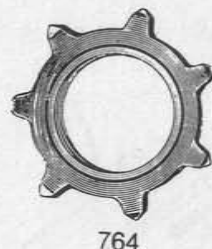
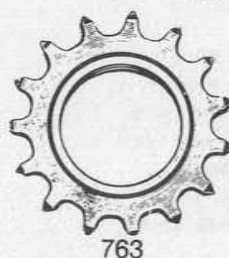
PUMP ENDS



SPARE PARTS



SUNDRIES



SPECIAL GREASE



3385
100 grams



3386
500 grams



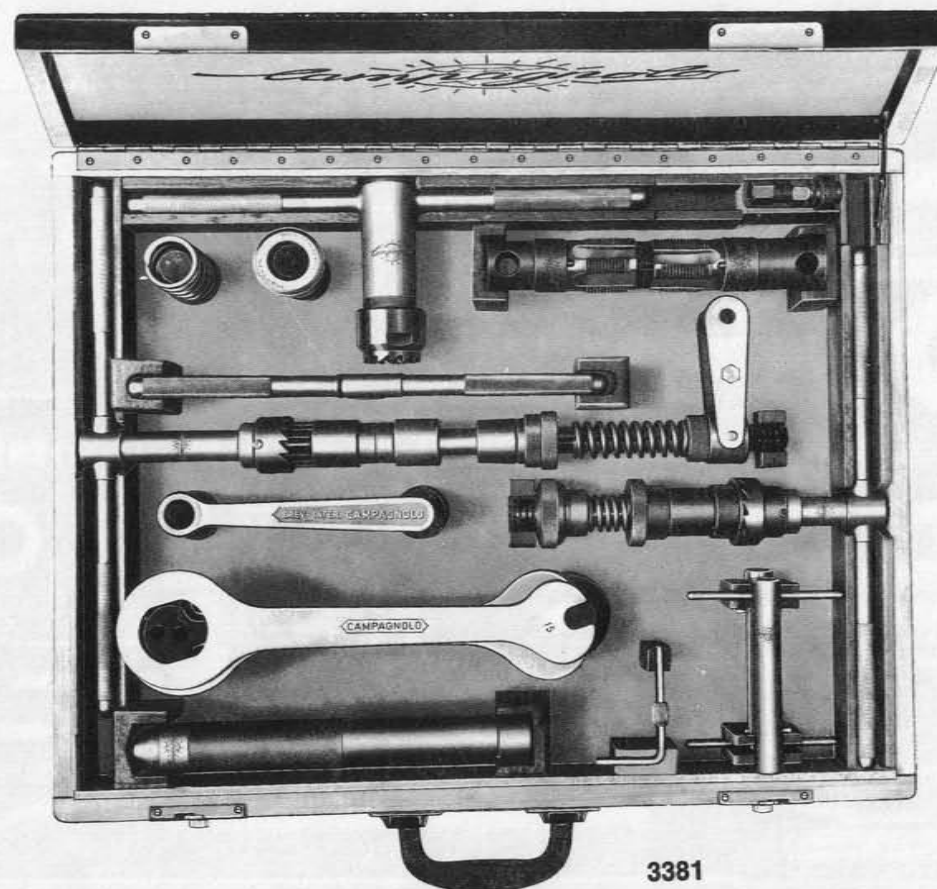
3387
1 kilogram

- 640 Rubber cap
- 641 Milled nut
- 642 Rubber washer
- 643 Rubber washer for tubular valves
- 644 Rubber washer for pump connector 1030
- 645 Connecting screw
- 646 Rubber washer for pump connectors 1030/1 and 1030/2
- 653 Rubber washer for pump connector 1030/3
- 1030 Pump connector for British pumps complete with 7/32" or 7 x 1 locking screw
- 1030/1 Pump connector for Italian pumps with 9 x 1.25 locking screw
- 1030/2 Pump connector for Italian Silca Impero pumps with 9 x 1.25 squared boss
- 1030/3 Pump connector for French pumps with 5 x 1 or 7 x 1 locking screw

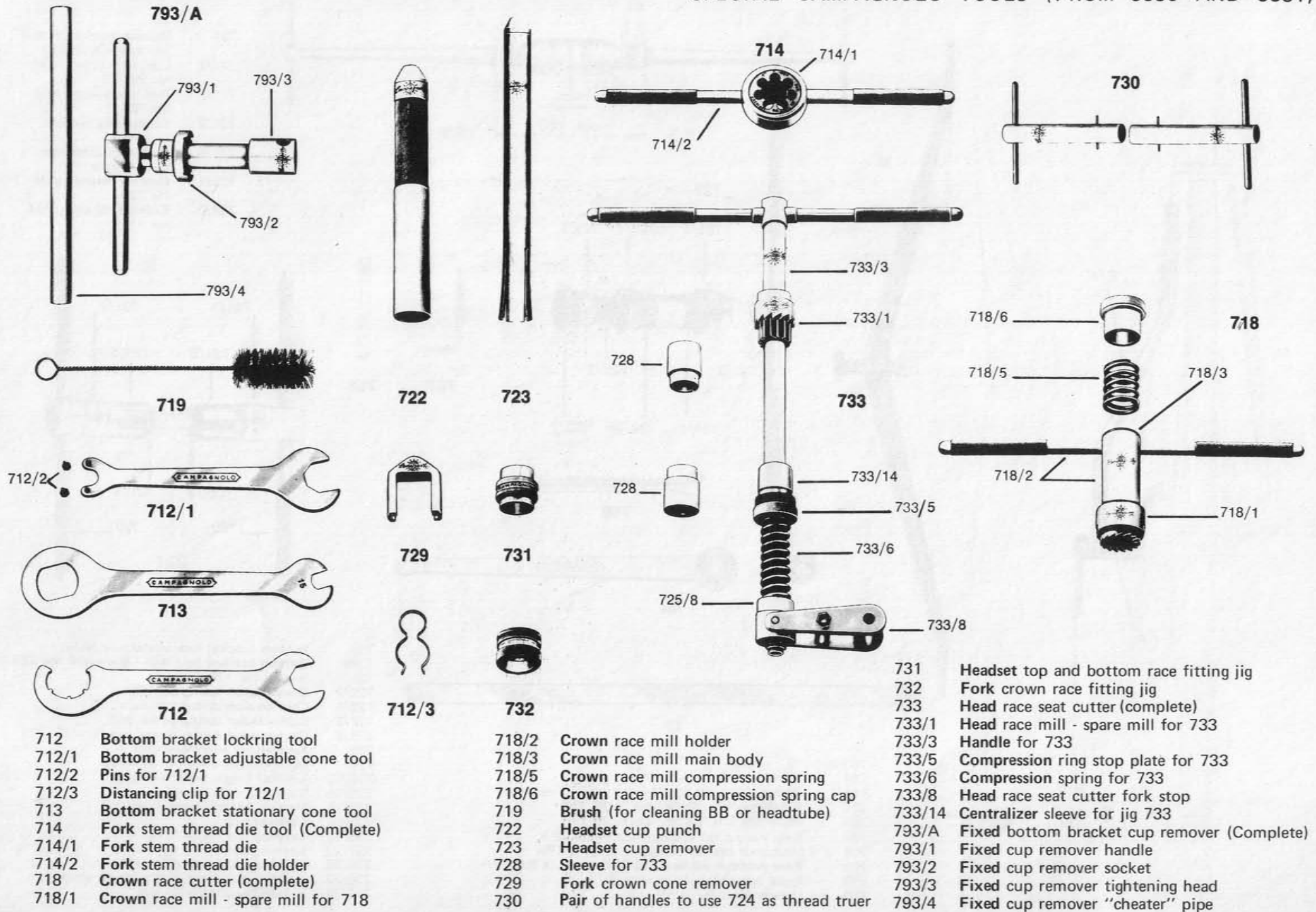
- 55 Spoke disc (specify if for 4 or 5 sprockets)
- 80/1 Gear fixing plate
- 128/1 Rear fork end bolt
- 651 Freewheel spacer (1 - 1.5 - 2 mm. thick)
- 763 Standard sprocket for 1/2" x 1/8" 3 mm. chain. (Sprockets with 12 - 13 - 14 - 15 - 16 teeth available)
- 764 Racing chain sprocket for 1" x 3/16 (4.6 mm.) chain. (Sprocket with 6 - 7 - 8 or for 1" x 1/8" chain available)
- 763/a Superlight standard sprocket for 1/2" x 1/8" 3 mm. chain. (Sprockets with 12 - 13 - 14 - 15 - 16 teeth available).
- 3345 Adaptor ensemble with ring
- 3346 Adaptor ensemble with square boss

3380

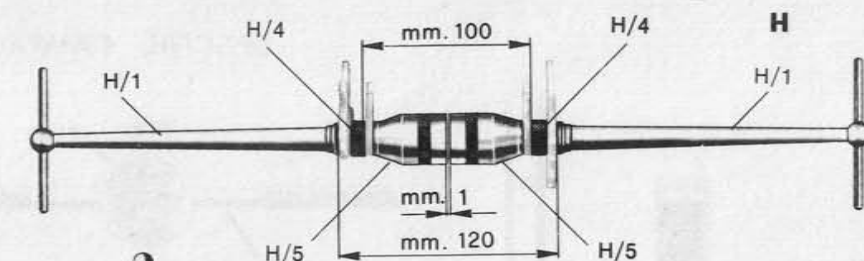
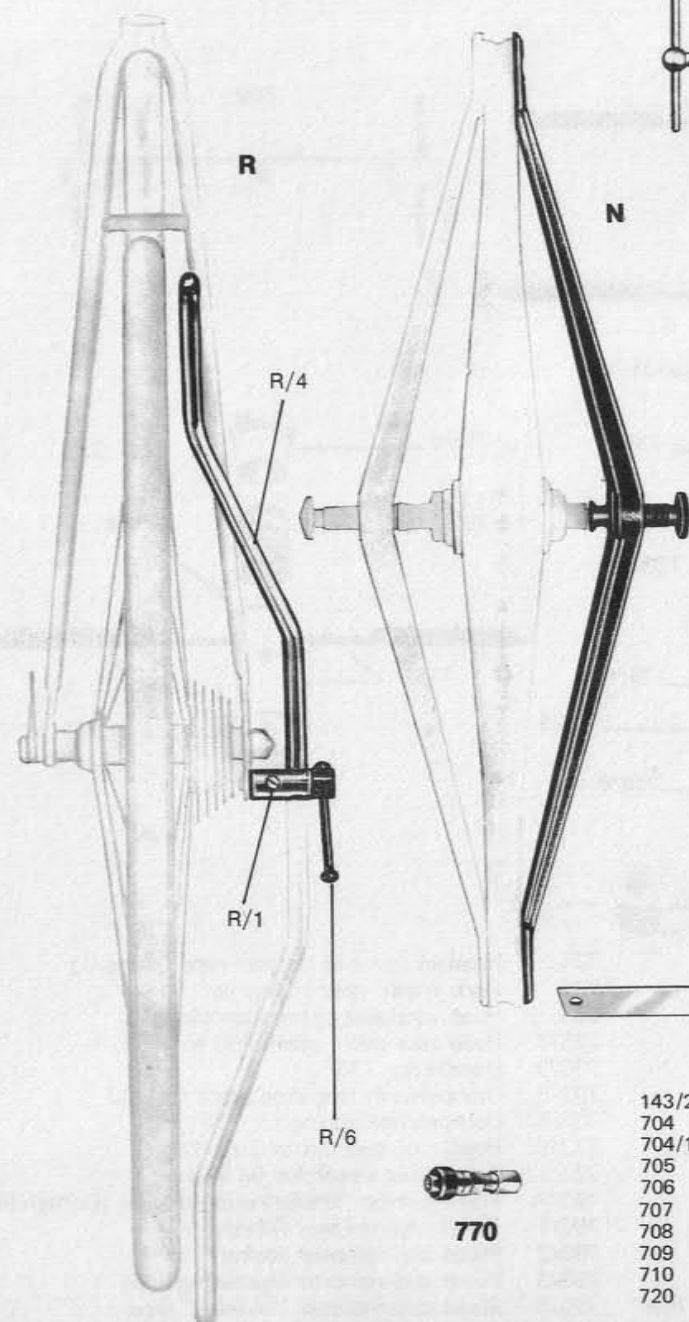
3381 PARTIAL CAMPAGNOLO TOOL CASE



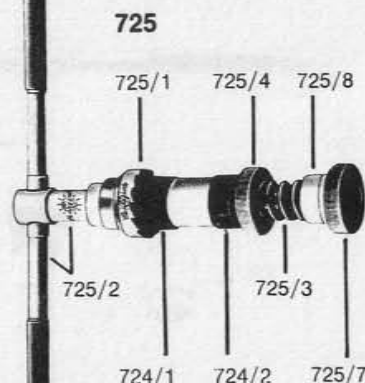
SPECIAL CAMPAGNOLO TOOLS (FROM 3380 AND 3381)



SPECIAL TOOLS (Continued)



- 721 Bottom bracket double tap tool (Complete)
- 721/1 L.H. die-holding ring for 721
- 721/2 R.H. die-holding ring for 721
- 721/3 Die-holding bottom lockring
- 721/5 Bottom bracket tap spare tap for 721
- 724/1 Internal thread guide for 725
- 724/2 External thread guide for 725



767

768



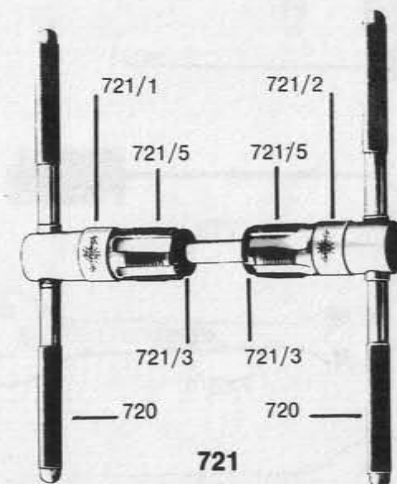
769



704/1



G

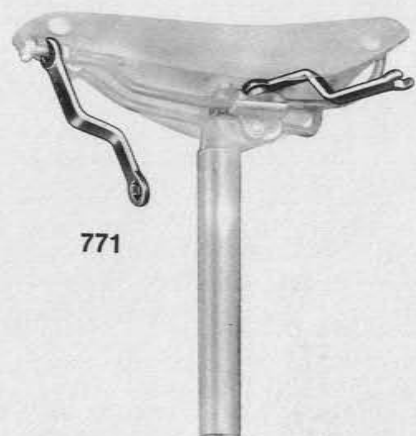


721

- 143/2 "T" wrench
- 704 Socket for freewheel removing tool
- 704/1 Reducing socket for 704 to fit 13T freewheel
- 705 Pedal tap R.H. (9/16" dia. x 20 TPI)
- 706 Pedal tap L.H. (9/16" dia. x 20 TPI)
- 707 Gear hanger tap (10 mm dia. x 26 TPI)
- 708 Madguard eye tap (5 mm dia. x 0.8 TPI)
- 709 Rear dropout adjuster tap (3 mm dia. x 0.5 TPI)
- 710 Pedal cap and locknut wrench
- 720 Handle for 721

- 725 Bottom bracket face cutter (complete)
- 725/1 Bottom bracket face mill - spare mill for 725
- 725/2 Handle for 725
- 725/3 Compression spring for 725
- 725/4 Compression spring top plate
- 725/7 Compression spring swivel grip
- 725/8 Compression spring swivel ring for 725, 733
- 736 Saddle-Line alignment tool
- 736/1 Main vertical body for tool 736
- 736/12 Vertical height body sleeve
- 736/14 Vertical height clamp
- 736/15 Vertical height clamp screw
- 736/16 Leveling rod
- 736/19 Leveling rod clamp bolt
- 736/20 Leveling rod clamp handle
- 736/22 Leveling rod front alignment pin
- 736/23 Leveling rod front alignment set screw
- 736/24 Vertical height clamp nut

SPECIAL TOOLS (Continued)



771



143/2



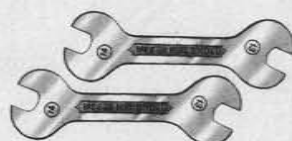
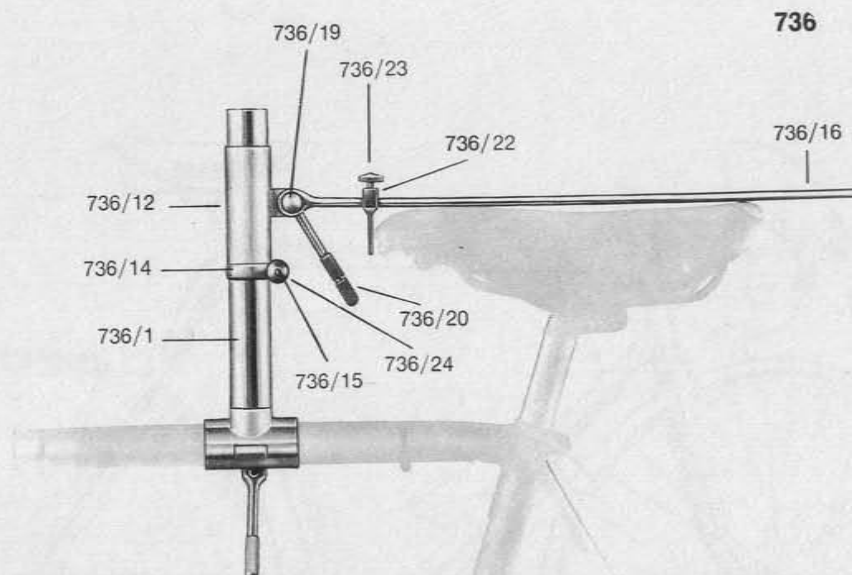
710



2025



P



Q



705



706



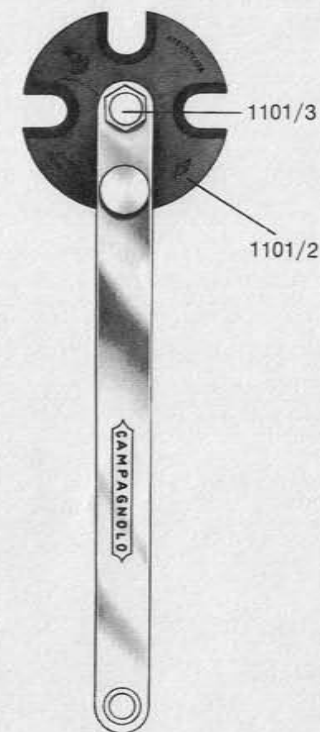
707



708



709



1101/1

- 767 L-Shaped chainwheel cap allen key
- 768 Chainwheel fastening screw spanner
- 769 Cotterless spindle end bolt spanner
- 770 Cotterless crank extractor
- 771 Saddle spanner
- 1101 Pedal spanner
- 1101/1 Handle for pedal spanner
- 1101/2 Main plate for pedal spanner
- 1101/3 Center fixing bolt for pedal spanner
- 2025 Special brake spanner

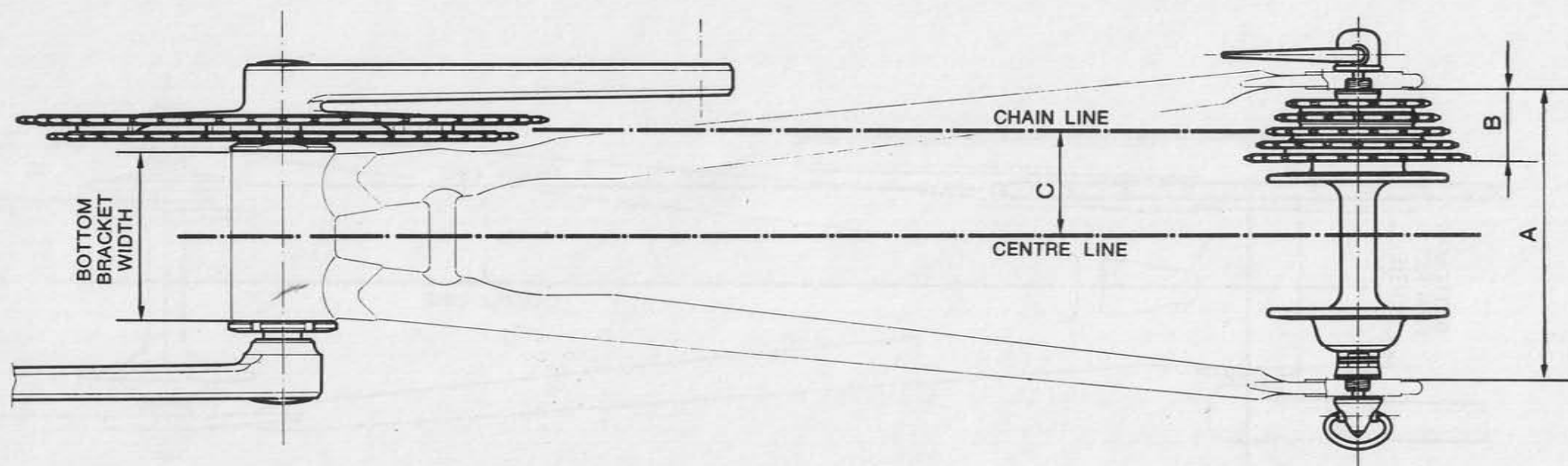
- G Straight edge
- H Backstay alignment tool (pair)
- H/1 Handle for H tool
- H/4 Fork locking for H tool
- H/5 Head for H tool
- I Freewheel removing tool complete
- I/2 Handle for I tool

- N Wheel dish tool
- P Axle holding tool for 9 and 10 mm dia.
- Q Cone wrenches 13/14 or 15/16
- R Backstay tool
- R/1 Set-Screw for R tool
- R/4 Main arm for R tool
- R/6 Tightening handle for R tool

1102 CAMPAGNOLO BICYCLE STAND

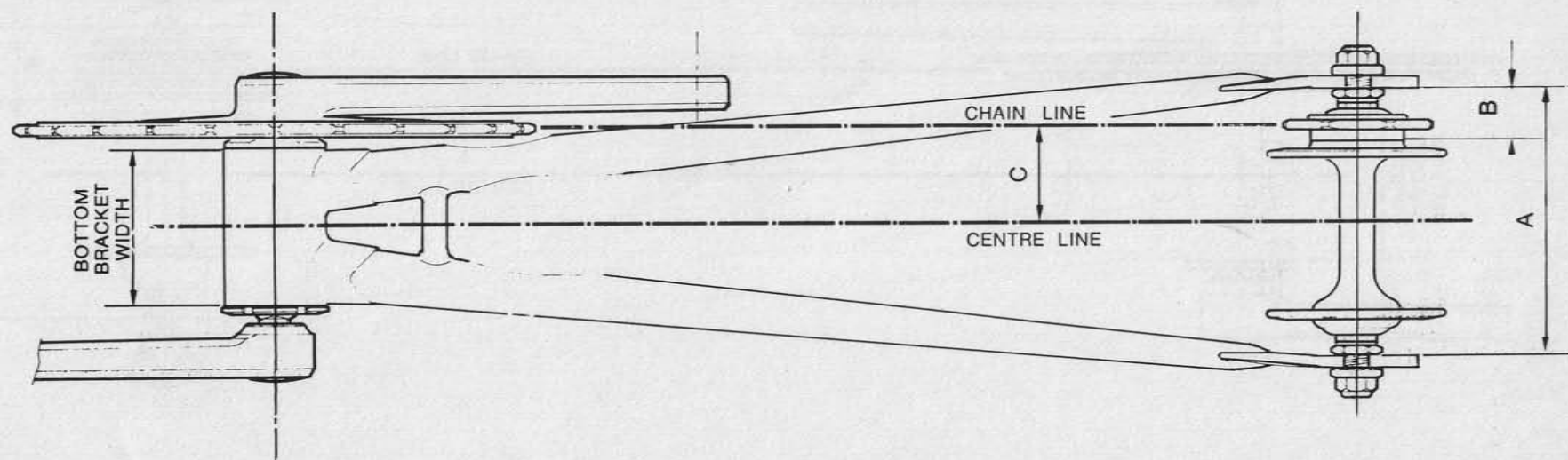


CAMPAGNOLO ROAD CHAIN LINE



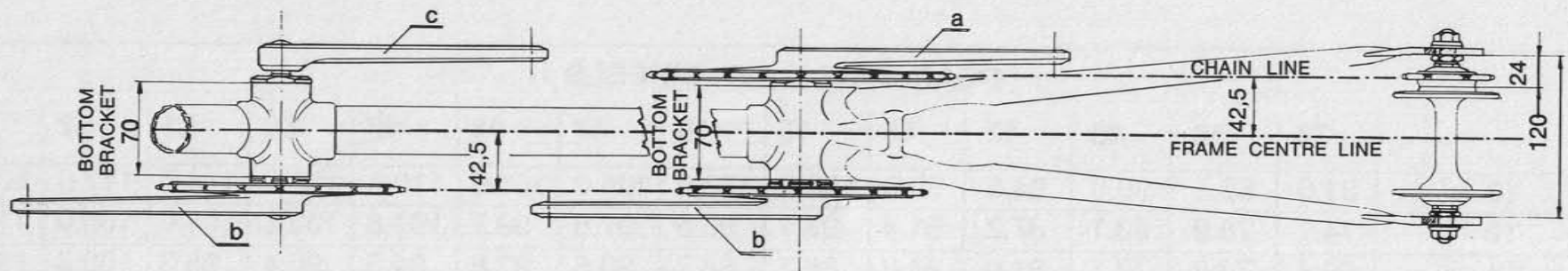
BOTTOM BRACKET WIDTH	REAR HUB WIDTH « A »	FREEWHEEL WIDTH « B »	CHAIN LINE « C »
68	120	29	43,5
70	120	29	43,5
74	120	29	43,5

CAMPAGNOLO TRACK CHAIN LINE



BOTTOM BRACKET WIDTH	REAR HUB WIDTH « A »	SPROCKET WIDTH « B »	CHAIN LINE « C »
65	110	21.5	40
68	110	21.5	40
68	120	24	42,5
70	120	24	42,5

CAMPAGNOLO TANDEM CHAIN LINE



a	TRACK (OR ROAD) RIGHT HAND STANDARD CRANK
b	TRACK (OR ROAD) RIGHT HAND CRANK WITH LEFT HAND THREAD
c	TRACK (OR ROAD) LEFT HAND CRANK WITH RIGHT HAND THREAD

GEAR TABLE 27" WHEELS

GEAR TABLE 27" WHEELS														
	36	38	40	42	44	45	46	47	48	49	50	51	52	54
12	81.0	85.5	90.0	94.5	99.0	101.2	103.5	105.0	108.0	110.3	112.5	114.7	117.0	121.5
13	74.7	78.9	83.1	87.2	91.4	93.4	95.5	97.6	99.7	101.8	103.8	105.9	108.0	112.1
14	69.4	73.3	77.1	81.0	84.8	86.7	88.7	90.6	92.6	94.5	96.4	98.3	100.3	104.1
15	64.8	68.4	72.0	75.6	79.2	80.9	82.8	84.6	86.4	88.2	90.0	91.8	93.6	97.2
16	60.8	64.1	67.5	70.9	74.2	76.0	77.6	79.3	81.0	82.7	84.4	86.1	87.7	91.1
17	57.2	60.3	63.5	66.7	69.9	71.5	73.0	74.6	76.2	77.8	79.4	81.0	82.6	85.7
18	54.0	57.0	60.0	63.0	66.0	67.5	69.0	70.5	72.0	73.5	75.0	76.5	78.0	81.0
19	51.2	54.0	56.8	59.7	62.5	64.0	65.4	66.8	68.2	69.6	71.0	72.5	73.9	76.7
20	48.6	51.3	54.0	56.7	59.4	60.8	62.1	63.4	64.8	66.1	67.5	68.8	70.2	72.9
21	46.3	48.9	51.4	54.0	56.6	57.9	59.1	60.4	61.7	63.0	64.3	65.5	66.8	69.4
22	44.2	46.6	49.1	51.5	54.0	55.2	56.4	57.7	58.9	60.1	61.4	62.6	63.8	66.2
23	42.3	44.6	47.0	49.3	51.6	52.8	54.0	55.2	56.3	57.5	58.7	59.9	61.0	63.4
24	40.5	42.7	45.0	47.2	49.5	50.7	51.7	52.9	54.0	55.1	56.2	57.3	58.5	60.7
25	38.9	41.1	43.2	45.4	47.5	48.6	49.7	50.8	51.8	52.9	54.0	55.1	56.2	58.3
26	37.4	39.5	41.5	43.6	45.7	46.7	47.8	48.8	49.8	50.9	51.9	53.7	54.0	56.1

GEAR RATIOS NOT SHOWN ABOVE MAY BE CALCULATED AS FOLLOWS

$$\text{GEAR} = \frac{\text{Number of teeth on C/ring}}{\text{Number of teeth on Sprocket}} \times \text{Diameter of rear wheel in inches}$$

IBM NO.	Part No.	Description	IBM No.	Part No.	Description
334-028	1	Front Axle Lock Nut (ALL) (Pkg. of 10)	373-736	143/2	6 mm
	2	Pair Road Front Fork Ends (R)	373-744	143/2	7 mm
	2/A	Pair Road Front Fork Ends w/o Eyelet (SR)	373-746	143/2	8 mm (Standard)
	18	Q.R. Conical Spring (R) (Pkg. of 10)	323-068	145	H.C. Rear Derailleur Cable (197 cm)
334-040	19	Front Axle for Road Hub (R and NT)		146	H.C. Rear Derailleur Cable Casing (185 cm)
	19/P	Front Axle for Track Hub (R)		147	Twin Control Cable Casing Clip (1-1/8" Dia.) (Pkg. of 10)
	25	Front Road Axle Cone (NT) (Pkg. of 10)		148	R.H. or L.H. Control Single-Cable Clip (1-1/8" Dia.) (Pkg. of 10)
334-026	25/R	Front Axle Cone (R, P and SS) (Pkg. of 10)		149	Cable Clip - Front of R.H. C/S (Pkg. of 10)
334-042	29	Rear Axle for Road Hub (R and NT)		166	"Old Style" Upper Pivot Bolt (OSR)
	29/P	Rear Axle for Track Hub (R)	323-161	166/A	Upper Pivot Bolt (NR)
	32	Rear Road Axle Cone (NT) (Pkg. of 10)		170	Cable Clip - Rear of R.H. C/S (Pkg. of 10)
334-033	32/R	Rear Axle Cone (R, P and SS) (Pkg. of 10)		171	Clip Bolt (Standard) (Pkg. of 10)
334-044	33	Rear Road Axle Lock Nut (R) (Pkg. of 10)		172	Nut for Bolt 171 (Pkg. of 10)
	33/P	Rear Track Axle Lock Nut (R) (Pkg. of 10)			Plastic Lever Cover H.C. (Packages of Ten)
334-027	35	Front Axle Tongued Washer (ALL) (Pkg. of 10)		173	Colors: Red
334-034	36	Rear Axle Tongued Washer (ALL) (Pkg. of 10)		173	Green
	37	Screw and Washer (To Fit 2, 300, 301) (Pkg. of 10)	323-072	173	Blue
334-035	46	Rear Road Axle Spacer (R and NT) (Pkg. of 10)		173	White
		Spoke Protector		173	Black
	55	For 4-Speed Freewheel		173	Grey
	55	For 5-Speed Freewheel		173	Yellow
	55/A	Spoke Disc	323-042	174	Control Lever Friction Washer (D/T) (Pkg. of 10)
334-045	59	Skewer Adjusting Wingnut (R)	323-078	174/1	Friction Washer (H.C.) (Pkg. of 10)
334-050	60	Q.R. Lever Housing (R)		200/2	Body (H.C.)
	61	Q.R. Lever Only (R)	323-073	201	Lever (H.C.)
	61/1	Hub Q.R. Lever Washer (R)		210	Front Derailleur Clamp Bolt (VO) (Pkg. of 10)
	61/2	Hub Q.R. Lever Nut (R)		211	Front Derailleur Fixing Clamp (VO) (Pkg. of 10)
	64	Q.R. Front Skewer Shaft (R)	323-171	213	Cage Set Screw (VO) (Pkg. of 10)
	65	O R. Rear Skewer Shaft (R)	323-170	214	Front Derailleur Cage (VO)
	80/A	Rear Derailleur Hanger (RL, VO, V)		215	Cage End Bolt - for Spacer 790 (NR - Interchangeable w/791) (Pkg. of 10)
	80/1	Braze-On Derailleur Adapter for Rear Dropout		217	Nut (General Use) (Pkg. of 10)
323-152	80/2	Rear Derailleur Hanger (SR, NR, NGS)	323-064	218	Front Derailleur Cable (H.C.) 150 cm
	80/3	Rear Derailleur Hanger (SE)		219	Front Derailleur Cable Casing (H.C.) 140 cm
	82/A	Derailleur Arm Pivot Pin Sleeve (SR, NR, RL, NGS)		226	Adjustment Spring for 227 (VO) (Pkg. of 10)
323-150	84	Return Spring Fixing Bolt (SR, NR, NGS)		227	Adjusting Screw (VO) (Pkg. of 10)
323-149	88	Cable Clamp Washer for 89 (Pkg. of 10)		300	L.H. Road Dropout (R)
	89	Bolt (Zinc Plated - Interchangeable w/779) (Pkg. of 10)		300/A	L.H. Road Dropout w/o Eyelet (SR)
	93	"Old Style" Roller Axle Bolt (OSR and SE)		301	R.H. Road Dropout (R)
323-164	93/A	Roller Axle Bolt (SR, NR) (Pkg. of 10)		301/A	R.H. Road Dropout w/o Eyelet (SR)
	97	Derailleur Wrench (Pkg. of 10)	328-925	302	Road Dropout Adjusting Bolt (R, SR) (Pkg. of 10)
	98	"Old Style" Derailleur Return Spring (OSR) (Pkg. of 10)	328-926	302/1	Nut for 302 (Pkg. of 10)
323-159	98/A	Derailleur Return Spring (SR, NR, RL) (Pkg. of 10)	328-927	303	Spring for 302 (Pkg. of 10)
323-153	99	Derailleur Adjusting Screw (SR, NR, RL, NGS)		310	L.H. Road Dropout (S)
	114	Derailleur Spring Retainer Cover (SE)		311	R.H. Road Dropout (S)
323-154	120	Lower Tension Spring for 99 (NR, RL, NGS) (Pkg. of 10)		312	Pair Road Front Fork Tips (S)
	120/1	Upper Tension Spring for 99 (NR, RL, NGS) (Pkg. of 10)		600	R.H. Control - Clamp Only (R)
323-155	124	Bolt (Pkg. of 10)		600/2	R.H. Braze-On Control Stop Plate for 660 (R)
323-156	125	Rear Derailleur Hanger Nut (SR, NR, NGS) (Pkg. of 10)		600/3	R.H. Braze-On Control Stop Plate for 660 (VO)
	128/1	"Old Style" Rear Dropout Axle Positioning Bolt & Spacer (10)	323-043	601	R.H. Control - Lever Only (R and Braze-On)
323-070	137	H.C. Segment Expander Bolt		601/1	R.H. Control - Lever Only (VO, V, SE, NGS)
323-071	138	H.C. Expander Segment (Pkg. of 10)	323-045	602	L.H. Control - Lever Only (R and Braze-On)
323-074	139/1	H.C. Tension Adjusting Lock Nut (Pkg. of 10)		602/1	L.H. Control - Lever Only (VO, V, SE, NGS)
323-077	139/2	H.C. Nut	323-041	603	Friction Washer Cover Plate (D/T Control)
323-076	140/1	H.C. Bolt		604	Friction Adjusting Screw (VO) (Pkg. of 10)
	142	H.C. Segment Holding Spring (Pkg. of 10)	323-040	604/1	Friction Adjusting Wingnut (R) (Pkg. of 10)
		"T" Wrench			

Parts With I.B.M. Numbers Stocked By Hans Johnsen Company

IBM No.	Part No.	Description	IBM No.	Part No.	Description
	604/a	Wing Nut for 1206 (VO)	357-317	669	L.H. Pedal Axle (R, SL)
	605	Rear Derailleur Cable Casing (105 cm)	357-318	670	R.H. Pedal Axle (R, SL)
323-053	606	Rear Derailleur Cable (118 cm)		672	Inserted Pedal Race (ALL)
	607	Complete Cable Casing for Front Derailleur (59 cm)	357-913	673	Pedal Axle Tongued Washer (ALL) (Pkg. of 10)
323-056	608	Front Derailleur Cable (72 cm) (New Cable 2 cm longer)	357-912	674	Pedal Axle Cone (ALL)
	609	Control Clamp Bolt AND Nut (609/1 and 777) (Pkg. of 10)	357-915	675	Pedal Axle Lock Nut (ALL) (Pkg. of 10)
323-046	609/1	Clamp Bolt	357-914	676	Toe Clip Bolt (R, SL) (Pkg. of 10)
303-044	610	Dual Control Clamp (R)		677	Washer for 676, 124, 89 (Pkg. of 10)
	611/2	R.H. Braze-On Control Lever Stop Plate (R)	357-916	678	Inner Dust Cap (All Pedals)
	611/3	L.H. Braze-On Control Stop Plate for 660 (VO)	357-910	679	Pedal Dust Cap (R)
	612	Cable Casing Ferrule to fit Brazed-On Stop 621 (Pkg. of 10)	357-917	679/a	Pedal Dust Cap (SL and SR)
	616	Rear Derailleur Cable Casing to fit 621 (VO)			Headset Lock Nut (Standard)
	617	Rear Derailleur Cable Casing to fit 621 (R - 21 cm)		681	English
	619	Cable Casing End Protector (Pkg. of 10)		681	French
	620	Cable Casing End Protector (To fit 621) (Pkg. of 10)		681	Italian
	621	Braze-On Rear Derailleur Cable Stop	356-719	682	Locking Washer (Standard)
323-054	622	Rear Derailleur Stainless Steel Cable Casing (21 cm)			Road Headset Screwed Race (R)
	623	Front Derailleur Stainless Steel Cable Casing (15.5 cm)		683	English
	624	Chainstay Cable Casing to fit 621 (10 cm)		683	French
323-063	625	Stainless Steel Cable Casing to 629 for H.C. (75 cm)		683	Italian
	626	"Old Style" Dual Derailleur Cable Guide		684	Road Headset Top Race (R)
323-051	626/a	Dual Derailleur Cable Guide		685	Road Headset Bottom Race (R)
	626/b	Braze-On Rear Derailleur Cable Guide		686	Road Headset Crown Race (R)
	627/a	R.H. Cable Guide (S/T)			Screwed Race (P)
	628	Front Derailleur Cable Stop Clamp		687	English
323-061	629	Dual D/T Cable Stop for H.C.		687	French
	630	Clamp with Tunnel, Stop and Pump Holder D/T		687	Italian
	631	Clamp with Tunnel, Stop and Pump Holder S/T			Screwed Race (S)
360-629	632	Pump Clip S/T		687/a	English
360-630	633	Dual Cable Stop for H.C. w/Pump Clip D/T		687/a	French
	635	Dual Control Clamp Only w/Pump Holder (R)		687/a	Italian
323-052	636	Cable Stop C/S		688	Top Head Race (P)
	640	Rubber Nipple for Pump End (Pkg. of 10)		688/a	Top Head Race (S)
	641	Milled Nut for Pump End		689	Bottom Head Race (P)
	642	Rubber Washer (Pump End) (Pkg. of 10)		689/a	Bottom Head Race (S)
360-605	643	Rubber Washer for Tubular Valves for Pump End (Pkg. of 10)		690	Crown Race (P)
	644	Rubber Washer for Pump End - 1030 (Pkg. of 10)		690/a	Crown Race (S)
	645	Set Screw for Pump Ends (Pkg. of 10)			Fork Stem (Available w/25.4 x 24F (Italian) Dia. thread ONLY)
	646	Rubber Washer for Pump Ends 1030/1 and 1030/2 (Pkg. of 10)		693/a	160 mm
360-631	647	Adaptor Shim when fitting 632 to Downtube (Pkg. of 10)		693/a	180 mm
360-632	648	Peg-Type Pump Holder		693/a	200 mm
323-262	649	Brake Cable Clip (Pkg. of 3)		693/a	220 mm
		Freewheel Spacer (Pkg. of 10)		693/a	250 mm
		Thickness: 1.0 mm		693/a	270 mm
	651	1.5 mm		698	Front Bracket - Wide-Cradle - Seat Pin
	651	2.0 mm		699	Rear Bracket - Wide-Cradle - Seat Pin
	652	Plastic Cable - End Cap (Pkg. of 10)	323-175	700	Nut for 703 (Pkg. of 10)
	653	Rubber Washer for Pump End 1030/3 (Pkg. of 10)		701	L.H. Side Support - Seat Pin
	659	Cable Clip for Mixte Frame (15 mm Dia.) (Pkg. of 10)		702	R.H. Side Support - Seat Pin
	660	Braze-On Control Boss	323-176	703	Seat Pin Fixing and Adjusting Bolt (Pkg. of 10)
	661	Braze-On Control Boss Collar		704	Socket for Freewheel Removing Tool
	663	Braze-On Front Derailleur Cable Guide		704/1	Reducing Socket for 704 to fit 13T Freewheel
	664	Pair Rear Fork Ends - Track Set		705	Pedal Tap R.H. (9/16" Dia. x 20 TPI)
	665	Pair Front Fork Ends - Track Set		706	Pedal Tap L.H. (9/16" Dia. x 20 TPI)
	667	Front Track Axle Nut (R)		707	Gear Hanger Tap (10 mm Dia. x 26 TPI)
	668	Rear Track Axle Nut (R)		708	Madguard Eye Tap (5 mm Dia. x 0.8 TPI)

Parts With I.B.M. Numbers Stocked By Hans Johnsen Company

IBM No.	Part No.	Description	IBM No.	Part No.	Description
373-737	709	Rear Dropout Adjuster Tap (3 mm Dia. x 0.5 TPI)		725/3	Compression Spring for 725
	710	Pedal Cap and Locknut Wrench		725/4	Compression Spring Top Plate
	711	Rear Derailleur Cable Casing to fit 621 (23 cm)		725/7	Compression Spring Swivel Grip
373-707	712	Bottom Bracket Lockring Tool		725/8	Compression Spring Swivel Ring (for 725, 733)
373-705	712/1	Bottom Bracket Adjustable-Cone Tool		728	Sleeve for 733
373-706	712/2	Pins for 712/1		729	Fork Crown Cone Remover
	712/3	Distancing Clip for 712/1		730	Pair of Handles to use 724 as Thread Truer
373-709	713	Bottom Bracket Stationary Cone Tool		731	Headset Top and Bottom Race Fitting Jig
		Fork Stem Thread Die Tool (Complete)		732	Fork Crown Race Fitting Jig
	714	English		733	Head Race Seat Cutter
	714	French		733/1	Head Race Mill - Spare Mill for 733
	714	Italian		733/3	Handle for 733
		Fork Stem Thread Die		733/5	Compression Ring Stop Plate for 733
	714/1	English		733/6	Compression Spring for 733
	714/1	French		733/8	Head Race Seat Cutter Fork Stop
	714/1	Italian		733/14	Centralizer Sleeve for Jig 733
	714/2	Fork Stem Thread Die Holder		736	Saddle-Line Alignment Tool
	718	Crown Race Cutter		736/1	Main Vertical Body for Tool 736
	718/1	Crown Race Mill - Spare Mill for 718		736/12	Vertical Height Body Sleeve
	718/2	Crown Race Mill Holder		736/14	Vertical Height Clamp
	718/3	Crown Race Mill Main Body		736/15	Vertical Height Clamp Screw
	718/5	Crown Race Mill Compression Spring		736/16	Leveling Rod
	718/6	Crown Race Mill Compression Spring Cap		736/19	Leveling Rod Clamp Bolt
	719	Brush (For cleaning BB or Headtube)		736/20	Leveling Rod Clamp Handle
	720	Handle for 721		736/22	Leveling Rod Front Alignment Pin
		Bottom Bracket Double Tap Tool (Complete)		736/23	Leveling Rod Front Alignment Set Screw
	721	English		736/24	Vertical Height Clamp Nut
	721	French	334-030	737	Front Hub Inserted Race (All - SR, R)
	721	Italian	334-037	738	Rear Hub Inserted Race (All - SR, R)
	721/1	L.H. Die-Holding Ring for 721	334-031	739	Front Hub Dust Cover (All - SR, R)
	721/2	R.H. Die-Holding Ring for 721	334-038	740	Rear Hub Dust Cover (All - SR, R)
	721/3	Die-Holding Bottom Lockring	334-041	741	Hub Oil Hole Cap (SS - Front and Rear)
		Bottom Bracket Tap - Spare Tap for 721			Track Sprocket Lock Ring
	721/5	English		743	English
	721/5	French		743	French
	721/5	Italian		743	Italian
	722	Headset Cup Punch			Cotterless Spindle (R)
	723	Headset Cup Remover		744	65-P-110
		Bottom Bracket Face Cutter Thread Guide		744	68-P-110
	724	English		744	68-P-120
	724	French		744	70-P-120
	724	Italian		744	68-SS-120
		Internal Thread Guide for 725		744	70-SS-120
	724/1	English		744	74-SS-120
	724/1	French			Cotterless Spindle (NR)
	724/1	Italian	356-315	744/a	68-SS-120
		External Thread Guide for 725	356-310	744/a	70-SS-120
	724/2	English			Cotterless Spindle for Triple Chainring
	724/2	French	356-266	744/1	68-SS-120 x 3
	724/2	Italian		744/1	70-SS-120 x 3
		Bottom Bracket Face Cutter			Cotterless Spindle for Cyclocross
	725	English		744/2	68-C-120
	725	French		744/2	70-C-120
	725	Italian			Fixed Cup (R, S)
	725/1	Bottom Bracket Face Mill - Spare Mill for 725	356-267	745	English
	725/2	Handle for 725		745	French

Parts With I.B.M. Numbers Stocked By Hans Johnsen Company

IBM NO.	Part No.	Description	IBM No.	Part No.	Description
356-268	745	Fixed Cup (R, S) - Continued	357-144	753/a	Road Chainring for 1/2" x 3/32" (2 mm) Chain (SR)
		Italian	357-145	753/a	42 Teeth
356-311	745/a	Fixed Cup (NR)	357-146	753/a	43 Teeth
356-317	745/a	English	357-147	753/a	44 Teeth
356-333	745/a	French	357-148	753/a	45 Teeth
		Italian	357-149	753/a	46 Teeth
356-269	746	Adjustable Cup (R, S)	357-150	753/a	47 Teeth
		English	357-151	753/a	48 Teeth
	746	French	357-152	753/a	49 Teeth
356-271	746	Italian	357-153	753/a	50 Teeth
		Adjustable Cup (NR)	357-154	753/a	51 Teeth
356-318	746/a	English	357-155	753/a	52 Teeth
356-312	746/a	French	357-156	753/a	53 Teeth
356-329	746/a	Italian	357-157	753/a	54 Teeth
		Lock Ring	357-158	753/a	55 Teeth
		3.5 mm (Standard)	357-159	753/a	56 Teeth
356-319	747	English			57 Teeth
356-323	747	French			Cyclocross Inner Flange
256-324	747	Italian		753/1	186 mm
	747	4.0 mm (Indicate Thread)		753/1	198 mm
	747	4.5 mm (Indicate Thread)		753/1	210 mm
356-320	748	Spindle End Bolt		753/1	222 mm
356-321	749	Spindle End Washer (Pkg. of 10)			Cyclocross Outer Flange
		Road R.H. Crank w/Cover 756 (R)		753/2	186 mm
	751	165 mm		753/2	198 mm
	751	167.5 mm		753/2	210 mm
356-286	751	170 mm (Standard)		753/2	222 mm
	751	172.5 mm	356-305	754	Road Chainwheel Fastening Screw (Pkg. of 10)
356-284	751	175 mm		755	Road Chainwheel Fastening Nut (Pkg. of 10)
	751	177.5 mm	356-306	756	Crank Cover Plate (All)
356-282	751	180 mm			Track R.H. Crank w/Cover 756
		Road L.H. Crank w/Cover 756 (R)		757	165.0 mm
	752	165 mm		757	167.5 mm
	752	167.5 mm		757	170.0 mm
356-288	752	170 mm (Standard)		757	172.5 mm
	752	172.5 mm		757	175.0 mm
356-290	752	175 mm		757	177.5 mm
	752	177.5 mm		757	180.0 mm
356-289	752	180 mm			Track L.H. Crank w/Cover 756
		Road Chainring for 1/2" x 3/32" (2 mm) Chain (R)		758	165.0 mm
356-293	753	42 Teeth		758	167.5 mm
356-292	753	43 Teeth		758	170.0 mm
356-295	753	44 Teeth		758	172.5 mm
356-294	753	45 Teeth		758	175.0 mm
356-296	753	46 Teeth		758	177.5 mm
356-291	753	47 Teeth		758	180.0 mm
356-301	753	48 Teeth			Track Chainring for 1" x 1/8" Chain
356-297	753	49 Teeth		759	21 Teeth
356-302	753	50 Teeth		759	22 Teeth
356-303	753	51 Teeth		759	23 Teeth
356-298	753	52 Teeth		759	24 Teeth
356-304	753	53 Teeth		759	25 Teeth
356-299	753	54 Teeth		759	26 Teeth
356-307	753	55 Teeth		759	27 Teeth
356-300	753	56 Teeth		759	28 Teeth
356-308	753	57 Teeth		759	Larger Sizes to 35 Teeth available on Special Order

Parts With I.B.M. Numbers Stocked By Hans Johnsen Company

IBM No.	Part No.	Description	IBM No.	Part No.	Description
		Track Chainring for Standard Chain 1/2" x 1/8" (R)	323-075	791	Bolt for Spacer 790 (Interchangeable w/215) (Pkg. of 10)
	760	44 Teeth		792	Cage Plates Connector (SE)
	760	45 Teeth		793/a	Fixed Bottom Bracket Cup Remover (Complete)
	760	46 Teeth		793/1	Fixed Cup Remover Handle
	760	47 Teeth		793/2	Fixed Cup Remover Socket
	760	48 Teeth		793/3	Fixed Cup Remover Tightening Head
	760	49 Teeth		793/4	Fixed Cut-Remover "Cheater" Pipe
	760	50 Teeth		804	36-Tooth Cyclocross Chainring
	760	51 Teeth		805	Rear Body (OSR)
	760	52 Teeth		805/a	Upper Body for Rear Derailleur (NR)
	760	Larger Sizes to 70 Teeth available on Special Order		806	Front Arm (OSR)
	760/a	Track Chainring for Std. Chain 1/2" x 1/8" (SR)-Same as 760		806/a	Outer Rear Derailleur Arm (NR)
356-325	761	Track Chainwheel Fastening Screw (Pkg. of 10)		807	Inner Arm (OSR)
356-328	762	Track Chainwheel Fastening Nut (Pkg. of 10)		807/a	Inner Rear Derailleur Arm (SR, NR, RL)
		Standard Track Sprocket for 1/2" x 1/8" Chain		808	Rear Derailleur Arm Pivot Pin (OSR)
	763	12 Teeth		808/a	Rear Derailleur Arm Pivot Pin (SR, NR, RL, NGS)
	763	13 Teeth		810	Rear Derailleur Tension Spring Cage (OSR)
	763	14 Teeth		810/a	Rear Derailleur Tension Spring Cage (NR, RL)
	763	15 Teeth		810/1a	Rear Derailleur Tension Spring Cage Face Plate (SR, NR, RL, NGS)
	763	16 Teeth		811	Tension Spring Bolt (OSR)
		Superlight Track Sprocket for 1/2" x 1/8" Chain	323-162	811/a	Tension Spring Bolt (NR, RL)
	763/a	12 Teeth		812	Spring Cage Cover (OSR)
	763/a	13 Teeth	323-163	812/a	Spring Cage Cover (NR, RL)
	763/a	14 Teeth		812/1a	Spring Cage Cover Stop Pin (SR, NR, RL, NGS)
	763/a	15 Teeth		813	Tension Spring (OSR) (Pkg. of 10)
	763/a	16 Teeth	323-160	813/a	Rear Derailleur Tension Spring (SR, NR, RL, NGS) (Pkg. of 10)
		Racing Chain Sprocket for 1" x 3/16" Chain		814	Outer Cage Plate (OSR)
	764	6 Teeth	323-165	814/a	Outer Cage Plate (SR, NR)
	764	7 Teeth		815	Inner Cage Plate (OSR)
	764	8 Teeth	323-166	815/a	Inner Cage Plate (SR, NR)
	765	Front or Rear Clamp - Narrow-Cradle Seat Pin		818	Chainwheel Spacer (To fit 804 to 819)
	766	R or L Hand Support - Narrow-Cradle Seat Pin		819	R.H. Crank (To fit 36-Tooth Cyclocross 804) - Available in 170 mm only
373-748	767	L-Shaped Chainwheel Cap Allen Key	356-278	830	Triple Chainring Fixing Bolt (Old 10 mm Seatpost Bolt) (10)
373-735	768	Chainwheel Fastening Screw Spanner		831	Nut for Bolt 830 (Pkg. of 10)
373-749	769	Cotterless Spindle End Bolt Spanner		832	Spacer for Bolt 830 (Pkg. of 10)
373-750	770	Cotterless Crank Extractor		914	Nut for Hanger Bolt 124 (Pkg. of 10)
373-734	771	Saddle Spanner		926	Inner Cage Plate (NGS, VO) (Pkg. of 10)
	772	Pin-Type Headset Spanner Tool	323-167	930/a	Derailleur Roller (NR) (Pkg. of 10)
	773	Front Derailleur Body (R)		930/b	Derailleur Roller (VO) (Pkg. of 10)
	773/1	Front Derailleur Body Clamp (R)	323-169	931/a	Roller Bushing (NR) (Pkg. of 10)
	773/2	Front Derailleur Body Clamp Pin (R)		931/b	Roller Bushing (VO) (Pkg. of 10)
323-084	774	Derailleur Adjusting Bolt (Pkg. of 10)	323-168	932/a	Roller Bushing Cover (All) (Pkg. of 10)
323-085	775	Spring for 774 (Pkg. of 10)		933	Roller Axle Bolt (NGS, VO) (Pkg. of 10)
323-083	776	Clip Fixing Bolt (Pkg. of 10)	323-172	937	"New" Roller Bushing Cover (SR, NR, RL) (Pkg. of 4)
323-088	777	Clip Fixing Nut for Bolts 776 and 609/1 (Pkg. of 10)		941	Front Derailleur Pivot Arm C-Clip (NR) (Pkg. of 10)
	778	Front Derailleur Upper Arm (R)	334-045	1001/3	Front Q.R. Skewer Complete (R)
323-087	779	Polished Chrome Cable Clamp Bolt (Interchangeable w/89) (10)		1001/4	Front Road Axle Complete (NT)
323-090	780	Cable Clamp Washer for Bolts 779 and 89 (Pkg. of 10)		1001/4P	Front Track Axle Complete (R)
323-079	782	Front Derailleur Lower Arm (R)	334-015	1001/4S	Front Road Axle Complete (R)
323-080	784	Front Derailleur Cage (R)		1006/5P	Rear Track Axle Complete (R)
	785	Front Derailleur Upper Arm Pivot Pin Sleeve (R) (Pkg. of 10)	334-017	1006/5S	Rear Road Axle Complete (R)
	786	Front Derailleur Upper Arm Pivot Pin (R) (Pkg. of 10)		1006/6S	Rear Road Axle Complete (R - for 6-speed Freewheel)
323-086	787	Front Derailleur Return Spring (R) (Pkg. of 10)	334-016	1006/8	Rear Q.R. Skewer Complete (R)
323-091	788	Front Derailleur Lower Arm Pivot Bolt (R) (Pkg. of 10)	328-910	1010	Road Fork Ends - Set of 4 (R)
	789	Nut for 788 (Pkg. of 10)			
323-092	790	Front Derailleur Cage Rear Spacer (R) (Pkg. of 10)			

Parts With I.B.M. Numbers Stocked By Hans Johnsen Company

IBM No.	Part No.	Description	IBM No.	Parts No.	Description
328-915	1010/A	Road Fork Ends w/o Eyelets - Set of 4 (SR)		1034/A	French
	1010/1	Road Fork Ends - Set of 4 (S)		1034/A	Italian
323-060	1012/3	Handlebar Control			28-Hole
	1013/1	R.H. Control (R)		1034/A	English
	1013/1a	R.H. Control (V)		1034/A	French
	1013/1b	R.H. Control (GT)		1034/A	Italian
	1013/5	L.H. Braze-On Control (R)			24-Hole
	1013/6	R.H. Braze-On Control (R)		1034/A	English
323-050	1014	Dual Control (R)		1034/A	French
	1014/1	Dual Control w/Pump Clip (R)		1034/A	Italian
	1014/1a	Dual Control (V, NGS)			Rear Small-Flange Road Hub (R)
	1020/1	Record Rear Derailleur w/Hanger (OSR)		1034/P	40-Hole on Special Order Only
323-158	1020/1a	Nuovo Record Rear Derailleur w/Hanger			36-Hole
323-157	1020/A	Nuovo Record Rear Derailleur w/o Hanger		1034/P	English
	1020/F	Nuovo Record Derailleur Group (Includes Parts Nos. 606, 608, 622, 626/A, 636, 1014, 1020/1A, 1052/1)		1034/P	French
				1034/P	Italian
	1030	Adapter for British Pump			32-Hole
	1030/1	Adapter for Italian Pump		1034/P	English
360-603	1030/2	Adapter for Italian Silco Impero Pump w/Squared Boss		1034/P	French
	1030/3	Adapter for French Pump		1034/P	Italian
	1032/F	Nuovo Record Road Group (Includes Parts Nos. 606, 608, 622, 626/A, 632, 636, 3-649, 1014, 1020/A, 1035, 1037, 1039, 1044, 1046/A, 1049, 1052/1, 2040)			28-Hole
				1034/P	English
				1034/P	French
	1032	Nuovo Record Road Group (Excludes 2040)		1034/P	Italian
	1032/SL	Special Nuovo Record Superleggeri Group (Includes Parts Nos. 606, 608, 617, 621, 626/B, 3-649, 663 1010/A, 1013/5, 1020/A, 1035, 1037/A, 1039, 1044/A, 1048, 1052/1, 1072, 2040)			24-Hole
				1034/P	English
				1034/P	French
				1034/P	Italian
	1033	Record Track Group (Includes Parts Nos. 1036, 1038, 1040, 1044, 1046, 1051, 1053)			Pair Large-Flange Road Hubs (R)
		Pair Small-Flange Road Hubs (R)		1035	40-Hole on Special Order Only
	1034	40-Hole on Special Order Only			36-Hole
		36-Hole	334-009	1035	English
334-008	1034	English	334-011	1035	French
334-003	1034	French	334-013	1035	Italian
334-004	1034	Italian			32-Hole
		32-Hole		1035	English
	1034	English		1035	French
	1034	French		1035	Italian
	1034	Italian			28-Hole
		28-Hole		1035	English
	1034	English		1035	French
	1034	French		1035	Italian
	1034	Italian			24-Hole
		24-Hole		1035	English
	1034	English		1035	French
	1034	French		1035	Italian
	1034	Italian			Front Large-Flange Road Hub (R)
		Front Small-Flange Road Hub (R)		1035/A	40-Hole on Special Order Only
	1034/A	40-Hole on Special Order Only			36-Hole
		36-Hole		1035/A	English
	1034/A	English		1035/A	French
	1034/A	French		1035/A	Italian
	1034/A	Italian			32-Hole
		32-Hole		1035/A	English
	1034/A	English		1035/A	French
				1035/A	Italian

Parts With I.B.M. Numbers Stocked By Hans Johnsen Company

IBM No.	Part No.	Description	IBM No.	Parts No.	Description
		Front Large-Flange Road Hub (R) - Continued			
		28-Hole			28-Hole
	1035/A	English		1036/A	English
	1035/A	French		1036/A	French
	1035/A	Italian		1036/A	Italian
		24-Hole			24-Hole
	1035/A	English		1036/A	English
	1035/A	French		1036/A	French
	1035/A	Italian		1036/A	Italian
		Rear Large-Flange Road Hub (R)			Rear Large-Flange Track Hub (R)
	1035/P	40-Hole on Special Order Only		1036/P	40-Hole on Special Order Only
		36-Hole			36-Hole
	1035/P	English		1036/P	English
	1035/P	French		1036/P	French
	1035/P	Italian		1036P	Italian
		32-Hole			32-Hole
	1035/P	English		1036/P	English
	1035/P	French		1036/P	French
	1035/P	Italian		1036/P	Italian
		28-Hole			28-Hole
	1035/P	English		1036/P	English
	1035/P	French		1036/P	French
	1035/P	Italian		1036/P	Italian
		24-Hole			24-Hole
	1035/P	English		1036/P	English
	1035/P	French		1036/P	French
	1035/P	Italian		1036/P	Italian
		Pair Large-Flange Track Hubs (R)			Pair Small-Flange Track Hubs (R)
	1036	40-Hole on Special Order Order		1036/2	40-Hole on Special Order Only
		36-Hole			36-Hole
	1036	English		1036/2	English
	1036	French		1036/2	French
	1036	Italian		1036/2	Italian
		32-Hole			32-Hole
	1036	English		1036/2	English
	1036	French		1036/2	French
	1036	Italian		1036/2	Italian
		28-Hole			28-Hole
	1036	English		1036/2	English
	1036	French		1036/2	French
	1036	Italian		1036/2	Italian
		24-Hole			24-Hole
	1036	English		1036/2	English
	1036	French		1036/2	French
	1036	Italian		1036/2	Italian
		Front Large-Flange Track Hub (R)			Front Small-Flange Track Hub (R)
	1036/A	40-Hole on Special Order Only		1036/2A	40-Hole on Special Order Only
		36-Hole			36-Hole
	1036/A	English		1036/2A	English
	1036/A	French		1036/2A	French
	1036/A	Italian		1036/2A	Italian
		32-Hole			32-Hole
	1036/A	English		1036/2A	English
	1036/A	French		1036/2A	French
	1036/A	Italian		1036/2A	Italian
					28-Hole
				1036/2A	English

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IBM No.	Part No.	Description	IBM No.	Part No.	Description
		Front Small-Flange Track Hub (R) - Continued			
	1036/2A	French		1044	26.8 Dia.
	1026/2A	Italian		1044	27.0 Dia.
		24-Hole		1044	27.2 Dia.
	1036/2A	English		1044	27.4 Dia.
	1036/2A	French	358-928	1044	180 mm Length
	1036/2A	Italian	358-929	1044	25.0 Dia.
		Rear Small-Flange Track Hub (R)	358-935	1044	25.8 Dia.
	1036/2P	40-Hole on Special Order Only	358-936	1044	26.0 Dia.
		36-Hole	358-937	1044	26.2 Dia.
	1036/2P	English	358-938	1044	26.4 Dia.
	1036/2P	French	358-939	1044	26.6 Dia.
	1036/2P	Italian	358-940	1044	26.8 Dia.
		32-Hole	358-941	1044	27.0 Dia.
	1036/2P	English		1044	27.2 Dia.
	1036/2P	French		1044	27.4 Dia.
	1036/2P	Italian			Seat Pin for Wide-Cradle Saddle (SL)
		28-Hole			130 mm Length
	1036/2P	English	1044/a		26.8 Dia.
	1036/2P	French	1044/a		27.0 Dia.
	1036/2P	Italian	1044/a		27.2 Dia.
		24-Hole	1044/a		Other Diameters on Special Order Only
	1036/2P	English			180 mm Length
	1036/2P	French	1044/a		25.0 Dia.
	1036/2P	Italian	1044/a		25.8 Dia.
357-820	1037	Pair of Record Road Pedals	1044/a		26.0 Dia.
	1037/D	R.H. Road Pedal	1044/a		26.2 Dia.
	1037/S	L.H. Road Pedal	358-915	1044/a	26.4 Dia.
357-823	1037/a	Pair Road SL Pedals	358-914	1044/a	26.8 Dia.
	1037/aD	R.H. Road SL Pedal	358-913	1044/a	27.0 Dia.
	1037/aS	L.H. Road SL Pedal	358-916	1044/a	27.2 Dia.
357-821	1038	Pair Track Pedals		1044/a	27.4 Dia.
	1038/D	R.H. Track Pedal			Seat Pin for Narrow-Cradle Saddle
	1038/S	L.H. Track Pedal	1045		130 mm Length - Special Order Only (All Diameters)
357-824	1038/a	Pair Track SL Pedals			180 mm Length
	1038/aD	R.H. Track SL Pedal	1045		25.0 Dia.
	1038/aS	L.H. Track SL Pedal	1045		25.8 Dia.
		Record Road Headset	1045		26.0 Dia.
356-721	1039	English	1045		26.2 Dia.
356-722	1039	French	1045		26.4 Dia.
356-723	1039	Italian	1045		26.8 Dia.
		Record Track Headset	1045		27.0 Dia.
356-716	1040	English	1045		27.2 Dia.
	1040	French	1045		27.4 Dia.
356-717	1040	Italian			Superlight Record Seat Pin for Narrow-Cradle Saddle
		Sport Road Headset	1045/a		All Diameters and Lengths on Special Order Only
356-732	1040/a	English			Bottom Bracket Set (R)
	1040/a	French			68-SS-120
356-733	1040/a	Italian	356-342	1046	English
		Seat Pin for Wide-Cradle Saddle	356-343	1046	French
		130 mm Length		1046	Italian
	1044	25.0 Dia.			70-SS-120
	1044	25.8 Dia.		1046	English
	1044	26.0 Dia.		1046	French
	1044	26.2 Dia.	356-344	1046	Italian
	1044	26.4 Dia.			74-SS-120
				1046	English

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IBM No.	Part No.	Description	IBM No.	Part No.	Description	
		Bottom Bracket Set (R) - 74-SS-120 - Continued				
	1046	French		1048/3	Record Crankset w/BB (Triple - 42 to 57 Teeth) Specify: BB Size _____; Thread _____; Teeth _____; Crank Length _____.	
	1046	Italian		1048/4	Record Crankset w/BB (Cyclocross w/Chain Guard) Specify: BB Size _____; Thread _____; Teeth _____; Crank Length _____.	
		65-P-110		1048/5	Record Crankset w/BB (Triple-36, 42 to 57 Teeth - 170 mm Specify: BB Size _____; Crank only) Thread _____; Teeth _____.	
	1046	English			Road Crankset w/o BB (R)	
	1046	French		1049	42/52 Teeth	
	1046	Italian		1049	43/52 Teeth	
		68-P-110		1049	42/53 Teeth	
	1046	English			Specs: Cranks - 170 mm	
	1046	French			Other Specs on Special Order Only	
	1046	Italian	356-272	1049/3	Record Crankset w/o BB (Triple - 42 to 57 Teeth) Specify: Crank Length _____; Teeth _____	
		68-P-120		1049/4	Record Crankset w/o BB (Cyclocross w/Chain Guard) Specify: Crank Length _____; Teeth _____	
	1046	English		1049/5	Record Crankset w/o BB (Triple - 36, 42 to 57 Teeth, 170 mm Crank Only) Specify: Teeth _____	
	1046	French		1049/A	Super Record Road Crankset w/o BB Specify: Crank Length _____ (165 to 180); Teeth _____ (42 to 57)	
	1046	Italian		1050	Track Crankset w/BB (R) Specs: Threads - All English; Bottom Bracket - 68-P-120; Teeth - 48; Crank - 170 mm. Other Specs on Special Order Only	
		70-P-120		1051	Track Crankset w/o BB (R) Specs: Crank - 170 mm; Teeth - 48. Other Specs on Special Order Only	
	1046	English		323-001	1052/1	Front Derailleur (R, RL, SR)
	1046	French		1053	Track Fork Ends (Set of 4)	
	1046	Italian		1060	Vertical Fork Ends (Set of 4)	
		68-SS-120 x 3		1061	L.H. Vertical Dropout	
	1046	English		1062	R.H. Vertical Dropout	
	1046	French		1063	Pair Front Fork Ends (To go w/Vertical Set)	
	1046	Italian	359-410	1070	Allen-Head Seatpost Bolt and Nut (10 mm Dia.)	
		70-SS-120 x 3		1071	Nut for Bolt 1075 or 830 (10 mm Dia.)	
	1046	English	359-412	1072	Allen-Head Seatpost Bolt and Nut (8 mm Dia.)	
	1046	French		1073	Nut for Bolt 1074 (8 mm Dia.)	
	1046	Italian		1074	Bolt for Nut 1073 (8 mm Dia.)	
		70-C-120		1075	Bolt for Nut 1071 (10 mm Dia.)	
	1046	English		1101	Pedal Spanner	
	1046	French		1101/1	Handle for Pedal Spanner	
	1046	Italian		1101/2	Main Plate for Pedal Spanner	
		Bottom Bracket Set (NR)		1101/3	Center Fixing Bolt for Pedal Spanner	
		68-SS-120		1102	Bike Stand	
356-346	1046	English		1200	R.H. Control Clamp (VO)	
	1046	French		1201	L.H. Control Clamp (VO)	
	1046	Italian		1202	Dual Control Clamp (VO)	
		70-SS-120		1203	Control Lever Stop (VO)	
	1046/a	English		1204	R.H. Control (VO)	
	1046/a	French				
	1046/a	Italian				
		Road Crankset w/BB (NR)				
356-274	1048	42/52 Teeth				
356-275	1048	43/52 Teeth				
	1048	42/53 Teeth				
		Specs: Threads - All English; Bottom Bracket 68-SS-120; Crank - 170 mm. Other Specs on Special Order Only				
		Road Crankset w/BB (R)				
	1048/a	42/52 Teeth				
	1048/a	43/52 Teeth				
	1048/a	42/53 Teeth				
		Specs: Same as 1048				

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IBM No.	Part No.	Description	IBM No.	Part No.	Description
323-177	1206	Dual Control (VO)		1279	Rear Track Axle Washer (NT) (Pkg. of 10)
	1207	R.H. Braze-On Control (VO)		1280	Front Track Axle (NT)
	1208	L.H. Braze-On Control (VO)		1281	Rear Track Axle (NT)
	1220	Q.R. Seatpost Clamp		1282	Front Track Axle Locknut (NT) (Pkg. of 10)
	1222	Clip Body for Clamp 1220		1283	Rear Road Axle Locknut (NT) (Pkg. of 10)
	1223	Spindle for Clamp 1220 and Bolt 1240		1283/a	Rear Road Axle Spacer Nut (NT) (Pkg. of 10)
	1224	Adjusting Nut for Clamps 1220 and 1230, Bolt 1240		1284	Rear Track Axle Locknut (NT) (Pkg. of 10)
	1225	Spacing Washers for Clamp 1220 and Bolt 1240		1284/a	Rear Track Axle Spacer Nut (NT) (Pkg. of 10)
	1230	Q.R. Seatpost Clamp		1285	Large Spacer - Road Axle (NT) (Pkg. of 10)
	1231	Clip Body for Clamp 1230		1286	Small Spacer - Road Axle (NT) (Pkg. of 10)
	1232	Lever for Clamps 1220 and 1230, Bolt 1240		1289	Front Track Axle Cone (NT) (Pkg. of 10)
	1233	Spindle for Clamp 1230		1290	Rear Track Axle Cone (NT) (Pkg. of 10)
	1240	Q.R. Seatpost Bolt		1301	Q.R. Lever Housing (NT, Hubs, 1220, 1240)
	1250	Pair Small-Flange Track Hubs (NT) Specs: 36-Hole; English Thread Other Specs on Special Order Only		1302	Q.R. Lever Only (NT, Hubs, 1220)
334-055	1251	Pair Small-Flange Road Hubs (NT) Specs: 36-Hole; English Threads Other Specs on Special Order Only		1303	Q.R. Lever C-Clip (NT, Hubs, 1220, 1230, 1240) (Pkg. of 10)
	1252	Pair Large-Flange Track Hubs (NT) Specs: 36-Hole; English Thread Other Specs on Special Order Only		1304	Q.R. Conical Spring (NT, Hubs, 1240) (Pkg. of 10)
	1253	Pair Large-Flange Road Hubs (NT) Specs: 36-Hole, English Thread Other Specs on Special Order Only		1305	Front Skewer Shaft (NT)
334-056	1254	Front Track Axle Complete (NT)		1306	Rear Skewer Shaft (NT)
	1255	Rear Track Axle Complete (NT)		1307	Knurled Skewer Adjusting Nut (NT)
	1256	Rear Road Axle Complete (NT)		1309	Skewer Washer (NT Only) (Pkg. of 10)
	1260	Small-Flange Track Hub - Front (NT) Specs: 36-Hole Other Specs on Special Order Only		1310	Front Q.R. Skewer Complete (NT)
	1261	Small-Flange Track Hub - Rear (NT) Specs: 36-Hole; English Thread Other Specs on Special Order Only		1311	Rear Q.R. Skewer Complete (NT)
	1262	Large-Flange Track Hub - Front (NT) Specs: 36-Hole - Other Specs on Special Order Only		1601	Front Derailleur Body (VO)
	1263	Large-Flange Track Hub - Rear (NT) Specs: 36-Hole; English Thread Other Specs on Special Order Only		1602	Front Derailleur Pivot Arm (VO)
	1264	Small-Flange Road Hub - Front (NT) Specs: 36-Hole Other Specs on Special Order Only		1603	Front Derailleur Push Rod (VO)
	1265	Small-Flange Road Hub - Rear (NT) Specs: 36-Hole; English Thread Other Specs on Special Order Only		1604	Front Derailleur Return Spring (VO) (Pkg. of 10)
	1266	Large-Flange Road Hub - Front (NT) Specs: 36-Hole Other Specs on Special Order Only		1605	Front Derailleur Pivot Arm Bolt (VO) (Pkg. of 10)
	1267	Large-Flange Road Hub - Rear (NT) Specs: 36-Hole; English Thread Other Specs on Special Order Only		317-750	2000 Record Front Brake Caliper
	1270	Front Hub Inserted Race (NT)		2000/1	Record Front Brake Caliper (Short-Reach)
	1271	Rear Hub Inserted Race (NT)		317-751	2001 Record Rear Brake Caliper
	1272	Front Hub Dust Cap (NT)		2001/1	Record Rear Brake Caliper (Short-Reach)
	1273	Rear Hub Dust Cap (NT)		2002	Caliper Center Bolt Fixing Nut (Pkg. of 10)
	1278	Front Track Axle Washer (NT) (Pkg. of 10)		2003	Brake Shoe Washer (Pkg. of 10)
				317-771	2004 Brake Cable Clamp Bolt Washer (Pkg. of 10)
				317-772	2005 Caliper Cam
				317-775	2006 Caliper Q.R. Cam Lever
				317-774	2007 Caliper Adjusting Nut (Pkg. of 10)
				317-775	2008 Brake Cable Clamp Bolt (Pkg. of 10)
				317-776	2009 Caliper Adjusting Screw (Pkg. of 10)
				317-798	2010 Brake Block (Pkg. of 10)
				317-777	2011 Brake Tension Screw
				317-778	2012 Front Caliper Center Bolt
				317-779	2012/1 Rear Caliper Center Bolt
				317-780	2012/2 Rear Caliper Center Bolt (Offset)
				317-781	2013 Brake Cable Clamp
				317-782	2014/D Right Brake Shoe Complete
				317-783	2014/S Left Brake Shoe Complete
				2015	Brake Friction Washer (Pkg. of 10)
				2015/1	Washer to go between Brake Calipers (Short-Reach Only)
				317-784	2016 Caliper Center Bolt Domed Nut
				317-785	2017 Caliper Cam Lock Nut (Pkg. of 10)
				317-786	2018 Caliper Center Bolt Lock Nut (Pkg. of 10)
				2019	R.H. Caliper Stirrup
				2019/1	R.H. Caliper Stirrup (Short-Reach)
				2020	L.H. Caliper Stirrup
				2020/1	L.H. Caliper Stirrup (Short-Reach)

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IBM No.	Part No.	Description	IBM No.	Part No.	Description
317-787	2021	Brake Serrated Washer (Pkg. of 10)	2210/a		Return Spring Pivot Pin (VO) (Pkg. of 10)
317-788	2022	Brake Shoe Nut (Pkg. of 10)	2211/a		Pivot Pin (VO) (Pkg. of 10)
317-789	2023	Concave Washer for Rear Caliper (Pkg. of 10)	2213/a		Arm Rivet (Pivot Pin - VO) (Pkg. of 10)
317-790	2024	Caliper Adjusting O-Ring (Pkg. of 10)	2214		Pivot Arm Rivet Washer (VO) (Pkg. of 10)
373-710	2025	Special Brake Spanner	2215/a		Derailleur Adjusting Bolt (VO) (Pkg. of 10)
317-791	2026	Front Brake Cable Casing (61 cm)	2217		Adjustment Tension Spring (VO) (Pkg. of 10)
317-792	2027	Rear Brake Cable Casing (119 cm)	2220/a		Lower Pivot Arms Connecting Plate (SE)
317-793	2028	Front Brake Cable (73 cm)	2222		Outer Cage Plate (SE)
317-794	2029	Rear Brake Cable (131 cm)	2223		Inner Cage Plate (SE)
317-752	2030	Pair Record Brake Levers	2232		Tension Spring Bolt (SE) (Pkg. of 10)
317-800	2031	Brake Lever Hood	2233		Derailleur Tension Spring Cage (SE)
317-801	2032	Brake Lever	2234		Derailleur Tension Spring (SE) (Pkg. of 10)
317-795	2033	Brake Lever Clamp	2240		Sport Road Ensemble (w/GT, VO, V or NGS) Specs: Inquire
317-802	2034	Brake Lever Pivot Pin (Pkg. of 10)	2250		Velox Rear Derailleur w/Hanger
317-803	2035	Brake Cable End Holder (Pkg. of 10)	2251		Spring Cage Bolt (V) (Pkg. of 10)
317-804	2036	Set Screw for 2034 (Pkg. of 10)	2253		Spring Cage (V)
317-796	2037	Brake Clamp Nut (Pkg. of 10)	2254		Cover (V)
317-805	2038	Brake Lever Pivot Bushing (Pkg. of 10)	2255		Inner Arm (V)
317-753	2039	Brake Lever Rubber Hood	2256		Outer Arm (V)
317-749	2040	Record Brake Set Complete	2257		Outer Cage Plate (V)
	2041	Toothed Washer to secure Caliper to Frame (Pkg. of 10)	2258		Rear Body (V)
	2042	Curved Washer for fixing Rear Caliper	2270		Gran Turismo Rear Derailleur Complete w/Hanger
	2043	Rubber Stop for Short-Reach Caliper	2279		Spindle (V)
	2044	Cable Adjusting Nut for Short-Reach Caliper	2279/a		Spindle (GT)
	2050	Valentino Front Derailleur	2280		Outer Arm (GT)
356-322	2100	Bearings for Bottom Bracket Set (R)	2281		Inner Arm (GT)
356-720	2101	Bearings for Road Headset (R)	2282		Rear Derailleur Hanger (GT)
	2102	Bearings for Track and Sport Headset	2291		Spring Washer (GT)
357-920	2103	Bearings for Pedal (R, P and SS)	2294		Outer Cage Plate (GT)
334-025	2104	Bearing Balls for Front Hubs (R, SR)	2295		Inner Cage Plate (GT)
	2105	Bearing Balls for Front Hubs (NT)			Sport Road Crankset w/o Bottom Bracket (Record BB will fit)
334-032	2106	Bearing Balls for all Rear Hubs and SL Pedals	3320		42/49
356-478	2110	Plastic BB Protector	3320		42/50
356-479	2110/1	Plastic BB Protector End Cone for 2110	3320		42/51
	2151	Derailleur Tension Spring Cage (VO)	3320		42/52
	2152	Outer Cage Plate (VO)	3320		42/53
	2153/a	Tension Spring Bolt (VO) (Pkg. of 10)	3321		Sport L.H. Crank w/Cover 756 (170 mm Only)
	2154	Tension Spring Cage Rear Cap (VO)	3322		Sport R.H. Crank w/Cover 756 (170 mm Only)
	2155	Derailleur Tension Spring (VO) (Pkg. of 10)	3325		Sport Chainring Fixing Bolt
	2156/a	Outer Arm (VO)			Sport Road Double Chainring Set
	2157/a	Inner Arm (VO)	3327		42/49
	2158	Pivot Bolt Adapter Nut (VO)	3327		42/50
	2159	Washer for Pivot Bolt 2205/a (VO)	3327		42/51
	2159/a	Rear Derailleur Hanger Pivot Washer (New Nylon Version - VO, OSR)	3327		42/52
			3327		42/53
	2160	Tension Spring Cage Cover (VO)	3329		Sport Chainring Nut for 3325
	2161	Upper Derailleur Body (VO)	3330		Sport Road Crankset w/BB - Specs: Same as 1048
	2170	Valentino Extra Rear Derailleur w/Hanger			Sport Bottom Bracket Set
	2180	Sport Extra Rear Derailleur Complete w/Hanger	3331		68-SS-120 - English Thread
	2202/a	Outer Arm (SE)	3331		70-SS-120 - English Thread
	2203/a	Inner Arm (SE)	3331		Other Specs on Special Order Only
	2205/a	Hanger Pivot Bolt (VO) (Pkg. of 10)			Bottom Bracket Road Spindle (S)
	2205/b	Rear Derailleur Hanger Pivot Bolt (New Longer Bolt Version - VO, OSR)	3332		68-SS-120
			3332		70-SS-120
	2205/1a	Hanger Pivot Bolt (V) (Pkg. of 10)	3345		Superlight Pump End w/Ring
	2209	Derailleur Return Spring (VO) (Pkg. of 10)	3346		Superlight Pump End w/Square Boss

Parts With I.B.M. Numbers Stocked By Hans Johnsen Company

IBM No.	Part No.	Description	IBM No.	Part No.	Description
373-700	3349	End-Cap for Superlight Pump End 3345	334-000	4011	Pair Large-Flange Road Hubs (SR)
	3351	Rubber Washer for Superlight Pump End 3345			40-Hole on Special Order Only
	3360	"Elefante" Complete Control Set			36-Hole
	3380	Complete Tool Kit		4011	English
	3381	Partial Tool Kit		4011	French
	3385	100 Gr. Special Grease		4011	Italian
	3386	500 Gr. Special Grease			32-Hole
	3387	1 Kg. Special Grease		4011	English
	3388	Case of 12 - 100 Gr. Tins of Grease		4011	French
	3393	R.H. Control Stop Plate (New VO)		4011	Italian
323-180	3396	Control Tension Adjusting Nut (NGS)	334-001		28-Hole
	3397	L.H. Control Stop Plate (New VO)		4011	English
	3398	Control Friction Washer (New VO, NGS)		4011	French
	3400	Control Tension Adjusting Nut (New VO)		4011	Italian
	3401	Dual Control Clamp Only (NGS)		4011	24-Hole on Special Order Only
	3402	R.H. Control Clamp Only (NGS)		4012	Front Large-Flange Road Hub (SR)
	3403	Dual Control Clamp Only (New VO)			Specify: Hole_____
	3404	R.H. Control Clamp Only (New VO)		4013	Rear Large-Flange Road Hub (SR)
	3450/1	Rally Rear Derailleur w/Hanger			Specify: Hole_____ ; Thread_____
	3451	Rear Derailleur Upper Body (RL)			Pair Low-Flange Road Hubs (SR)
323-250	3452	Rear Derailleur Outer Cage Plate (RL)	334-014	4014	40-Hole on Special Order Only
	3453	Rear Derailleur Inner Cage Plate (RL)			36-Hole
	3454	Rear Derailleur Hanger Stop Plate (RL)		4014	English
	3455	Rear Derailleur Hanger Bolt C-Clip (RL)		4014	French
	3456	Rear Derailleur Upper Pivot Bolt (RL)		4014	Italian
	3457	Rear Derailleur Upper Spring Cage Plate (RL)			32-Hole
	3458	Rear Derailleur Upper Tension Spring (RL)		4014	English
	3459	Rear Derailleur Hanger Stop Plate Pin (RL)		4014	French
	3460	Rear Derailleur Return Spring Pin (RL)		4014	Italian
	3461	Rear Derailleur Roller Axle Bolt (RL)			28-Hole
323-000	3462	Rear Derailleur Outer Arm (RL)	334-014	4014	English
	3500	Nuovo Gran Sport Rear Derailleur w/o Hanger		4014	French
	3500/1	Nuovo Gran Sport Rear Derailleur w/Hanger		4014	Italian
	3501	Rear Derailleur Upper Body (NGS)		4014	24-Hole on Special Order Only
	3502	Rear Derailleur Lower Body (NGS)		4015	Front Low-Flange Road Hub (SR)
	3503	Rear Derailleur Outer Arm (NGS)			Specify: Hole_____
	3504	Rear Derailleur Inner Arm (NGS)		4016	Rear Low-Flange Road Hub (SR)
	3505	Rear Derailleur Tension Spring Bolt (NGS)			Specify: Hole_____ ; Thread_____
	3506	Rear Derailleur Upper Body Pivot Bolt (NGS)		4017	Front Road Axle Only (SR)
	3507	Rear Derailleur Outer Cage Plate (NGS)		4018	Rear Road Axle Only (SR)
323-275	3508	Rear Derailleur Spring Cage Cover (NGS)	334-014	4019	Front Road Axle Complete (SR)
	3509	Rear Derailleur Return Spring (NGS)	334-018	4020	Rear Road Axle Complete (SR)
	3515	Special "T" Wrench	357-825	4021	Pair Road Pedals (SR)
	4000/F	Super Record Road Group		4022	R.H. Road Pedal (SR)
		4011, 4021, 1049/a, 4031, 4041, 4001, 1052/1, 1010/a, 4061,		4023	L.H. Road Pedal (SR)
		626/a, 1014, 636, 648, 3-649, 606, 608, 622, 1030/2.		4024	R.H. Titanium Pedal Shaft (SR)
	4001	Super Record Rear Derailleur w/o Hanger		4025	L.H. Titanium Pedal Shaft (SR)
	4001/1	Rear Derailleur w/Hanger (SR)			Road Bottom Bracket Set (SR)
	4002	Rear Derailleur Upper Body (SR)			68-SS-120
	4003	Rear Derailleur Tension Spring Cage (SR)	356-279	4031	English
323-000	4004	Rear Derailleur Upper Body Pivot Bolt (SR)	356-280	4031	French
	4005	Rear Derailleur Tension Spring Bolt (SR)		4031	Italian
	4006	Rear Derailleur Outer Arm (SR)			70-SS-120
	4007	Rear Derailleur Upper Adjustment Spring (SR)		4031	English
	4008	Rear Derailleur Lower Adjustment Spring (SR)		4031	French
	4009	Rear Derailleur Tension Spring Cage Cover (SR)	356-281	4031	Italian

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IBM No.	Part No.	Description	IBM No.	Part No.	Description
		Titanium Road Spindle (SR)			Pair Large-Flange Track Hubs (SR)
	4032	68-SS-120		4101	40-Hole on Special Order Only
	4032	70-SS-120			36-Hole
		Road Bottom Bracket Fixed Cup (SR)		4101	English
	4033	English		4101	French
	4033	French		4101	Italian
	4033	Italian			32-Hole
		Road Bottom Bracket Adjustable Cup (SR)		4101	English
	4034	English		4101	French
	4034	French		4101	Italian
	4034	Italian			28-Hole
	4035	Bearings for Super Record Bottom Bracket		4101	English
		Road Headset (SR)		4101	French
356-736	4041	English		4101	Italian
356-737	4041	French		4101	24-Hole on Special Order Only
356-738	4041	Italian		4102	Front Large-Flange Track Hub (SR)
		Top (Track or Road) Headset Locknut (SR)			Specify: Hole_____
	4042	English		4103	Rear Large-Flange Track Hub (SR)
	4042	French			Specify: Hole_____; Thread_____
	4042	Italian			Pair Low-Flange Track Hubs (SR)
	4043	Top (Track or Road) Headset Tongued-Washer (SR)		4104	40-Hole on Special Order Only
		Road Headset Screwed Race (SR)			36-Hole
	4044	English		4104	English
	4044	French		4104	French
	4044	Italian		4104	Italian
	4045	Road Headset Top Race (SR)			32-Hole
	4046	Road Headset Bottom Race (SR)		4104	English
	4047	Road Headset Crown Race (SR)		4104	French
		Fluted Wide-Cradle Seat Pin (SR)		4104	Italian
		130 mm			28-Hole
	4051	26.8 Dia.		4104	English
	4051	27.0 Dia.		4104	French
	4051	27.2 Dia.		4104	Italian
	4051	All Other Diameters on Special Order Only		4104	24-Hole on Special Order Only
		180 mm		4105	Front Low-Flange Track Hub (SR)
	4051	25.0 Dia.			Specify: Hole_____
	4051	25.8 Dia.		4106	Rear Low-Flange Track Hub (SR)
	4051	26.0 Dia.			Specify: Hole_____; Thread_____
	4051	26.2 Dia.		4107	Front Track Axle Only (SR)
	4051	26.4 Dia.		4108	Rear Track Axle Only (SR)
358-903	4051	26.8 Dia.		4109	Front Track Axle Nut (SR)
358-911	4051	27.0 Dia.		4110	Rear Track Axle Nut (SR)
358-923	4051	27.2 Dia.		4111	Front Track Axle Complete (SR)
	4051	27.4 Dia.		4112	Rear Track Axle Complete (SR)
	4052	L.H. Seat Support for 4051 (SR)	357-828	4121	Pair Track Pedals (SR)
	4053	R.H. Seat Support for 4051 (SR)		4122	R.H. Track Pedal (SR)
	4054	Rear Bracket for 4051 (SR)		4123	L.H. Track Pedal (SR)
	4055	Front Bracket for 4051 (SR)			Track Bottom Bracket Set (SR)
	4056	Fixing and Adjusting Bolt for 4051 (SR)			65-P-110
	4057	Nut for 4056 (SR)		4131	English
317-705	4061	Super Record Brake Set Complete		4131	French
	4062	Complete Brake Lever (SR)		4131	Italian
	4063	Drilled Brake Lever Handle Only (SR)			68-P-110
	4100	Super Record Track Group		4131	English
		4101, 4121, 4151, 4131, 4141, 4051, 1053		4131	French
				4131	Italian

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IBM No.	Part No.	Description			For special specification requests, please enter below.
		Track Bottom Bracket Set (SR) - Continued			
		68-P-120			CAMPAGNOLO CORKSCREWS
	4131	English			Big Lusso: Gold
	4131	French			Bronze
	4131	Italian			Silver
		70-P-120			Miro: Red-Orange
	4131	English			Brown
	4131	French			Yellow
	4131	Italian			
		Titanium Track Spindle (SR)			CAMPAGNOLO CHAMPAGNE CORK EXTRACTORS
	4132	65-P-110			Gold
	4132	68-P-110			Silver
	4132	68-P-120			
	4132	70-P-120			
		Track Bottom Bracket Fixed Cup (SR)			
	4133	English			
	4133	French			
	4133	Italian			
		Track Bottom Bracket Adjustable Cup (SR)			
	4134	English			
	4134	French			
	4134	Italian			
		Track Headset (SR)			
	4141	English			
	4141	French			
	4141	Italian			
		Track Headset Screwed Race (SR)			
	4142	English			
	4142	French			
	4142	Italian			
	4143	Track Headset Top Race (SR)			
	4144	Track Headset Bottom Race (SR)			
	4145	Track Headset Crown Race (SR)			
	4151	Track Crankset w/o BB (SR) (To fit 1/2" x 1/8"			
		(3 mm) Chain)			
		Specify: Crank Length_____ (165 to 180)			
		Teeth_____ (44 to 70)			
	G	Straight Edge			
	H	Backstay Alignment Tool (Pair)			
	H/1	Handle for H Tool			
	H/4	Fork Lockring for H Tool			
	H/5	Head for H Tool			
	I	Freewheel Removing Tool Complete			
	1/2	Handle for I Tool			
	N	Wheel Dish Tool			
	P	Axle Holding Tool for 9 and 10 mm Dia.			
373-754	Q	Cone Wrenches - 13/14			
373-756	Q	Cone Wrenches - 15/16			
373-753	Q	Pair Cone Wrenches - One 13/14; One 15/16			
	R	Backstay Tool			
	R/1	Set-Screw for R Tool			
	R/4	Main Arm for R Tool			
	R/6	Tightening Handle for R Tool			

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