Campagnolo®



SYNCRO

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The possibility of centering the chain on a specific freewheel sprocket through the use of the shift lever has historically been a characteristic of non-competitive bicycles.

In light of the increased attention to this category of the bicycle market by Campagnolo, we have created SYNCRO shift levers to address the needs of these cyclistis, as well.

Specifically, this new product allows the cyclist to center the chain on the sprocket easily and smoothly by means of a new shifting selector mechanism; and also incorporates the conventional friction feature.

The SYNCRO shift levers are extremely versatile in that they can be used with all Campagnolo derailleurs and even with some others.

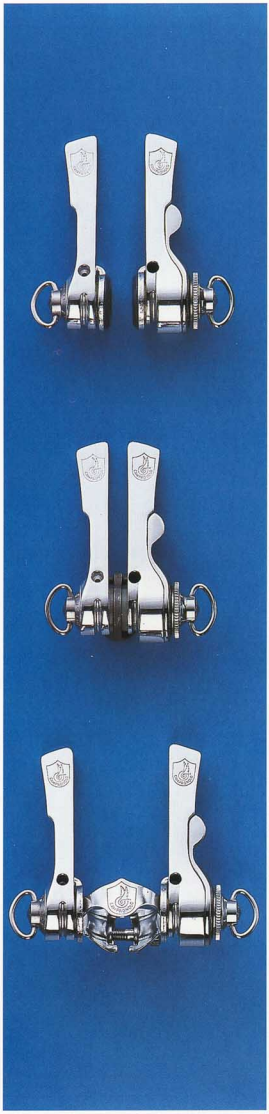
They can be used on both a traditional 5 or 6 speed freewheels (with approximately 4 mm spacing) and on narrow 6 or 7 speed freewheels (with approximately 3 mm spacing). However, for perfect operation of the SYNCRO shift lever system, Campagnolo engineers recommend its use with a "narrow" chain.

For example, to change the operation of the SYNCRO from a standard 6 to a narrow 7 speed one simply changes the toothed insert located inside the shifting lever body.

To insure durability, Campagnolo has manufactured the toothed insert from a special steel specifically selected to ensure the inalterability of the materials shape, even after prolonged use.

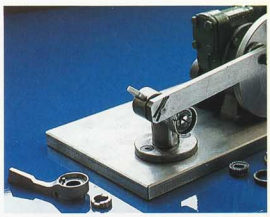
The profile of the teeth within the insert has been computer designed in order to obtain the optimum performance relationship between cable tension, cable housing, derailleur parallelogram and cage plate return springs.

The reliability of the mechanism has been tested and verified through Campagnolo's rigorous testing facilities, subjecting the SYNCRO shift lever mechanism to hundreds of thousands of shifts.



An additional feature of the SYNCRO shift system is its simple and easy assembly and adjustment. As in conventional derailleur assembly, simply insert the cable into the shift lever and connect the cable to the rear derailleur, adjusting for the stroke; all as in a traditional shifting lever.

Once the rear derailleur has been adjusted, the chain must be



centered on the second smallest sprocket of the freewheel to position the SYNCRO shift lever. The derailleur mechanism can be fine tuned by adjusting the barrel on top of the derailleur unit thus permitting for the fine calibration of the cable until a perfect alignment of the chain is obtained.

The Campagnolo SYNCRO shifting lever system is comprised of two levers: the main lever which centers the chain on the





desired sprocket; and a smaller lever, coaxial with the other.

It is the smaller secondary lever that disengages the SYNCRO selector mechanism by rotating it 45 degrees clockwise.

In this position the SYNCRO shift lever functions as a conventional friction shift lever set and can be adjusted by simply turning the lever fixing screw.

The return to the selector mechanism mode is possible from any position of the shifting lever by returning the smaller lever to the initial position; that is by aligning it with the main lever.



The design of the two levers has been studied and evaluated to permit easy handling of either or both levers, while maintaining a compact and essential style typical of Campagnolo components.



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FREEWHEEL, CHAIN AND SYNCRO COMPATIBILITY CHART

FREEWHEEL	REAR DERAILLEUR			
	C RECORD	SUPER RECORD	VICTORY	TRIOMPHE
CAMPAGNOLO 6 SPD	A	A	A	A
	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ◆ ▲
CAMPAGNOLO 7 SPD	B	B	B	B
	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲
MAILLARD CORSA 6 SPD	A	A	A	A
	■ ● ▲	■ ● ▲	■ ● ◆ ▲	■ ● ◆ ▲
MAILLARD CORSA 7 SPD	B	B	B	B
	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲
REGINA AMERICA	A	A	A	A
	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲
REGINA ORO	A	A	A	A
	■ ● ◆ ▲	■ ◆ ▲	■ ● ◆ ▲	■ ◆ ▲
REGINA CX S 7 SPD	B	B	B	B
	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ◆ ▲
SUNTOUR 6 SPD WP 6000	A	A	A	A
	▲	▲	■ ▲	■ ▲
SUNTOUR 7 SPD ULTRA	C	C	C	C
	▲	▲	▲	▲
SUNTOUR 7 SPD WP7000	B	B	B	B
	◆ ▲	◆ ▲	■ ● ◆ ▲	
SHIMANO 105 6 SPD	A	A	A	A
	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲
SHIMANO DURA ACE 6 SPD	A	A	A	A
	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲
SHIMANO DURA ACE 7 SPD	B	B	B	B
	■ ● ▲	■ ● ▲	■ ● ▲	■ ● ▲
GIPIEMME ALLOY 6 SPD	A	A	A	A
	■ ● ▲	■ ● ◆ ▲	■ ● ◆ ▲	■ ● ◆ ▲

CHAIN USED :

■ SEDISPORT ● SHIMANO 600 UNIGLIDE (NARROW)

△ REGINA CXS ◆ SUNTOUR SUPERBE SP6000

SYNCRO TOOTHED INSERT USED :

A - SHIFT LEVER 6 SPEED 0118084 BRAZE-ON WITH TOOTHED INSERT 7222064
SHIFT LEVER 6 SPEED 0118086 TOP-TUBE BRAZE-ON WITH TOOTHED INSERT 7222064
SHIFT LEVER 6 SPEED 0118087 CLAMP-ON WITH TOOTHED INSERT 7222064

B - SHIFT LEVER 7 SPEED 0118088 BRAZE-ON WITH TOOTHED INSERT 7222063
SHIFT LEVER 7 SPEED 0118089 TOP-TUBE BRAZE-ON WITH TOOTHED INSERT 7222063
SHIFT LEVER 7 SPEED 0118090 CLAMP-ON WITH TOOTHED INSERT 7222063

C - SHIFT LEVER 7 SPEED 0118094 BRAZE-ON WITH TOOTHED INSERT 7222069
SHIFT LEVER 7 SPEED 0118095 TOP-TUBE BRAZE-ON WITH TOOTHED INSERT 7222069
SHIFT LEVER 7 SPEED 0118096 CLAMP-ON WITH TOOTHED INSERT 7222069

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