

*Campagnolo*<sup>®</sup>



**SYNCRO**



# SYNCRO

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 cyclists, 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.

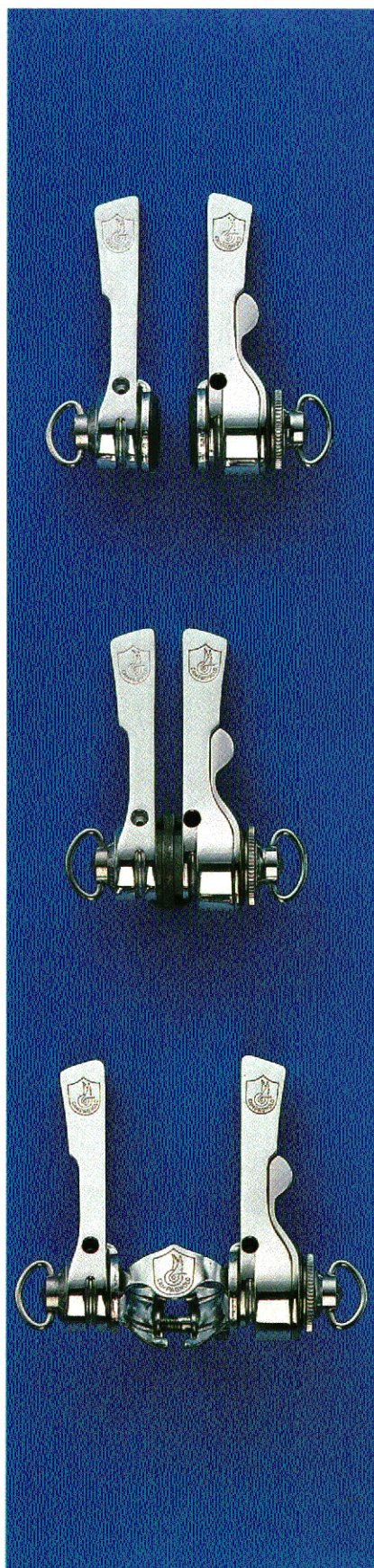
They can be used on both a traditional 5 or 6 speed freewheels (with approximately 4 mm spacing) and on narrow 6 or 7 speed freewheels (with approximately 3 mm spacing). However, for perfect operation of the SYNCRO shift lever system, Campagnolo engineers recommend its use with a "narrow" chain.

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.

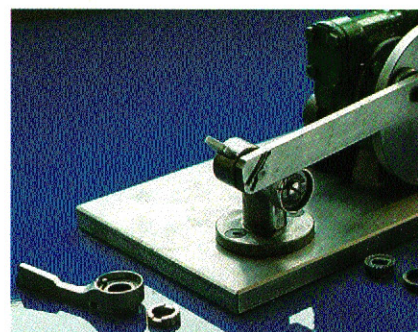
The profile of the teeth within the insert has been computer designed in order to obtain the optimum performance relationship between cable tension, cable housing, derailleur parallelogram and cage plate return springs.

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.



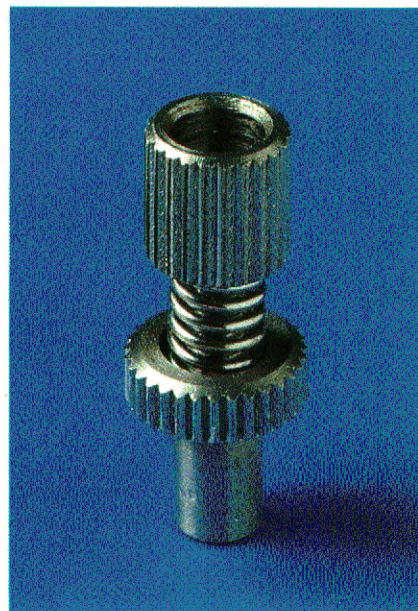
An additional feature of the SYNCRO shift system is its simple and easy assembly and adjustment. As in conventional derailleur assembly, simply insert the cable into the shift lever and connect the cable to the rear derailleur, adjusting for the stroke; all as in a traditional shifting lever.

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

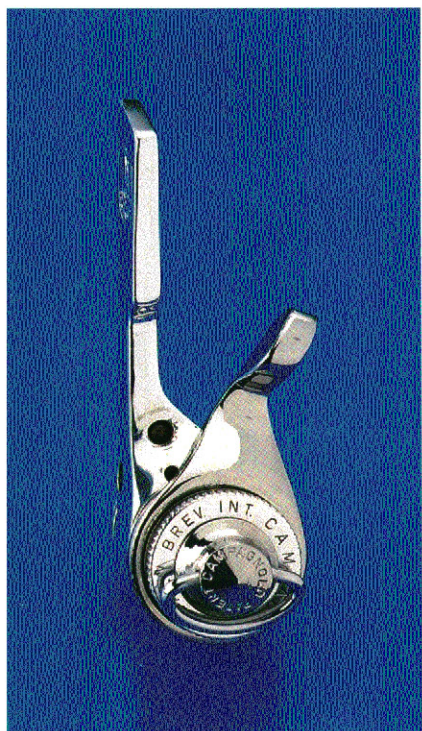
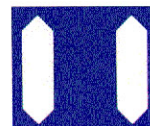


centered on the second smallest sprocket of the freewheel to position the SYNCRO shift lever. The derailleur mechanism can be fine tuned by adjusting the barrel on top of the derailleur unit thus permitting for the fine calibration of the cable until a perfect alignment of the chain is obtained.

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







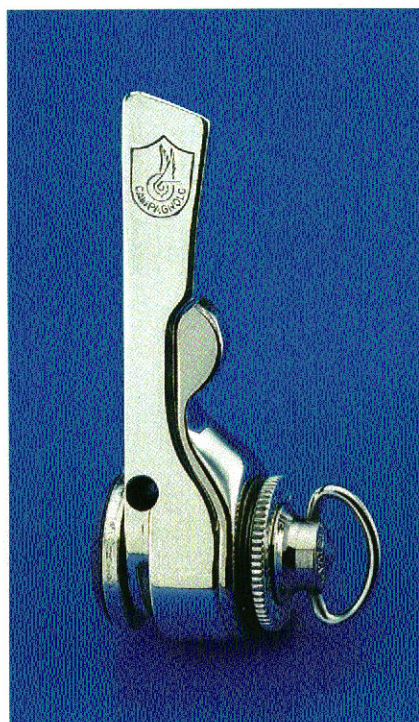
desired sprocket; and a smaller lever, coaxial with the other.

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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