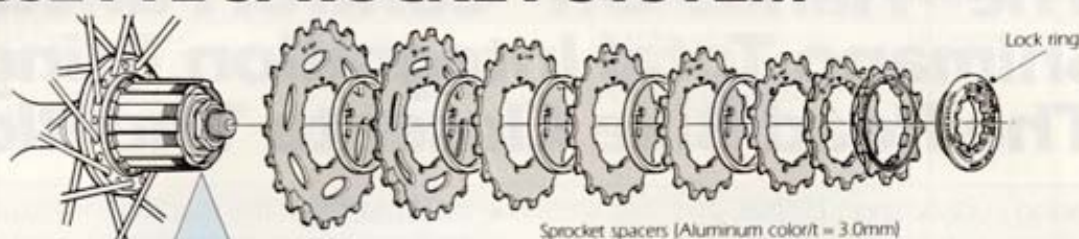


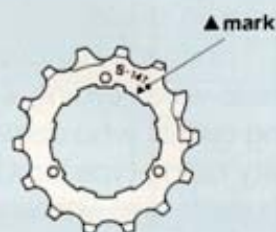
# HG CASSETTE SPROCKET SYSTEM

CS-7401

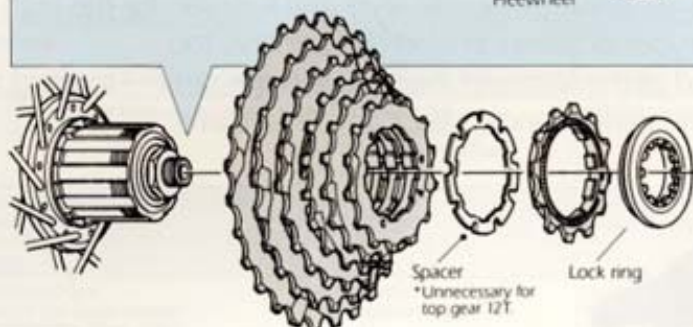


For each sprocket, the surface that has the group mark should face outward and positioned so that the triangle (▲) mark on each sprocket and the A part (where the groove width is wide) of the freewheel are aligned.

The groove width is wide at one place only.



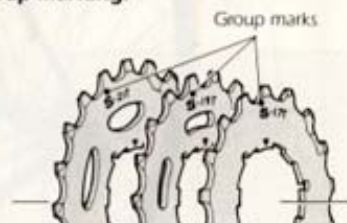
CS-HG90  
CS-HG70  
CS-HG50



Model No.	Group mark	Combination
CS-7401	S	12, 13, 14, 15, 16, 17, 19, 21T.
	T	13, 14, 15, 16, 17, 19, 21, 23T.
	U	12, 13, 14, 15, 17, 19, 21, 23T.
	E	12, 14, 16, 18, 21, 24, 28T.
	F	14, 16, 18, 21, 24, 28, 32T.
CS-HG90	G	13, 15, 17, 20, 23, 26, 30T.
	H	13, 15, 17, 19, 21, 23, 26T.
CS-HG70	I	13, 14, 15, 17, 19, 21, 23T.
CS-HG50	J	13, 14, 15, 16, 17, 19, 21T.
	K	13, 15, 17, 20, 24, 29, 34T.
	L	12, 13, 14, 15, 17, 19, 21T.
	M	13, 15, 17, 19, 21, 24, 28T.

## Notes

- Always be sure to use the HG sprocket set bearing the same group marking.
- Never use in combination with a sprocket bearing a different group marking.



# THE SHIMANO FREEWHEEL SYSTEM

## Features:

- Splined Design**—All 6-speed freewheels use a thread mounted top gear. The 2nd through 6th gears simply slide on and off for fast and easy replacement. For 7-speed freewheels, the top two sprockets are thread mounted. The 3rd through 7th sprockets are the spline type.
- Uniglide Tooth Profile**—All freewheels incorporate precise-shifting SIS type Uniglide twist-tooth profiles.
- Sealed Mechanisms**—Dura-Ace, Santé, and 600 ULTEGRA freewheels incorporate efficient O-ring sealing for all-weather durability and a long service life.
- Easy Maintenance**—Dura-Ace, Santé, and 600 ULTEGRA freewheels have an oil port on the body that allows internal lubrication of bearings and pawls simply by removing the sprockets (use oil only).
- SIS Precision**—All 6-speed freewheels use the same precise SIS-type sprocket spacing. 7-speed freewheels (Dura-Ace & Santé) utilize the same narrow-type SIS sprocket spacing.

## HG Freewheel (MF-HG20)

### Sprocket Combinations:

14-24	14, 16, 18, 20, 22, 24T.
14-28	14, 16, 18, 21, 24, 28T.
14-32	14, 17, 20, 24, 28, 32T.

**Note:** Be sure to use HG Compatible Narrow Chain CN-HG70, CN-HG50.