

Non-Turn Washer Application Chart

For 7 and 8 Speed Hubs


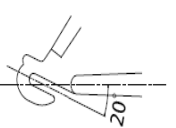
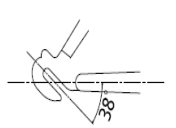
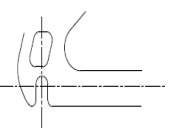
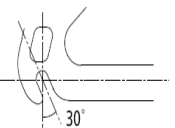
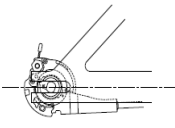
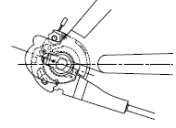
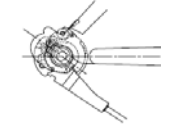


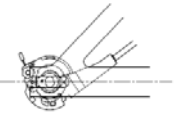
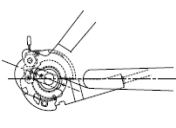
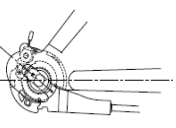





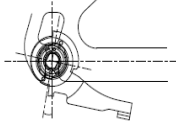
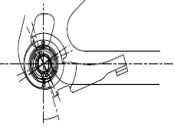
Non-turn washers are designed to prevent the hub axle from rotating during operation.

There are four sets of non-turn washers available to provide the correct cable routing with various dropout styles.

Use of an incorrect non-turn washer may cause interference with the bicycle frame.

Failure to use both non-turn washers correctly may result in the cassette joint unit rotating around the axle, pulling on the cable and in turn pulling the handlebars to the side suddenly.

Current 3 speed hubs use only one kind of non-turn washer. The dropout style does not affect the cable because the bell crank can be installed in multiple positions. It is part number Y33Z20200 and it is installed on the left side only.

Drop Out Style	Horizontal 0°	Semi Horizontal 20°	Semi-Horizontal 38°	Vertical 90°	Vertical 60°
↓ Non-Turn Washer ↓					
5R 5L Yellow Brown Y33Z20500 Y33M39510	 Recommended if Using Chaincase	 Good	 Not Recommended	 Not Recommended	 Not Recommended
6R 6L Silver White Y33M39600 Y33M39610	 Good	 Not Recommended	 Not Recommended	 Not Recommended	 Not Recommended
7R 7L Black Grey Y33M39700 Y33M39710	 Not Recommended	 Acceptable	 Good	 Not Recommended	 Not Recommended
8R 8L Blue Green Y34R85010 Y34R85000	 Not Recommended	 Not Recommended	 Not Recommended	 Good	 Good