

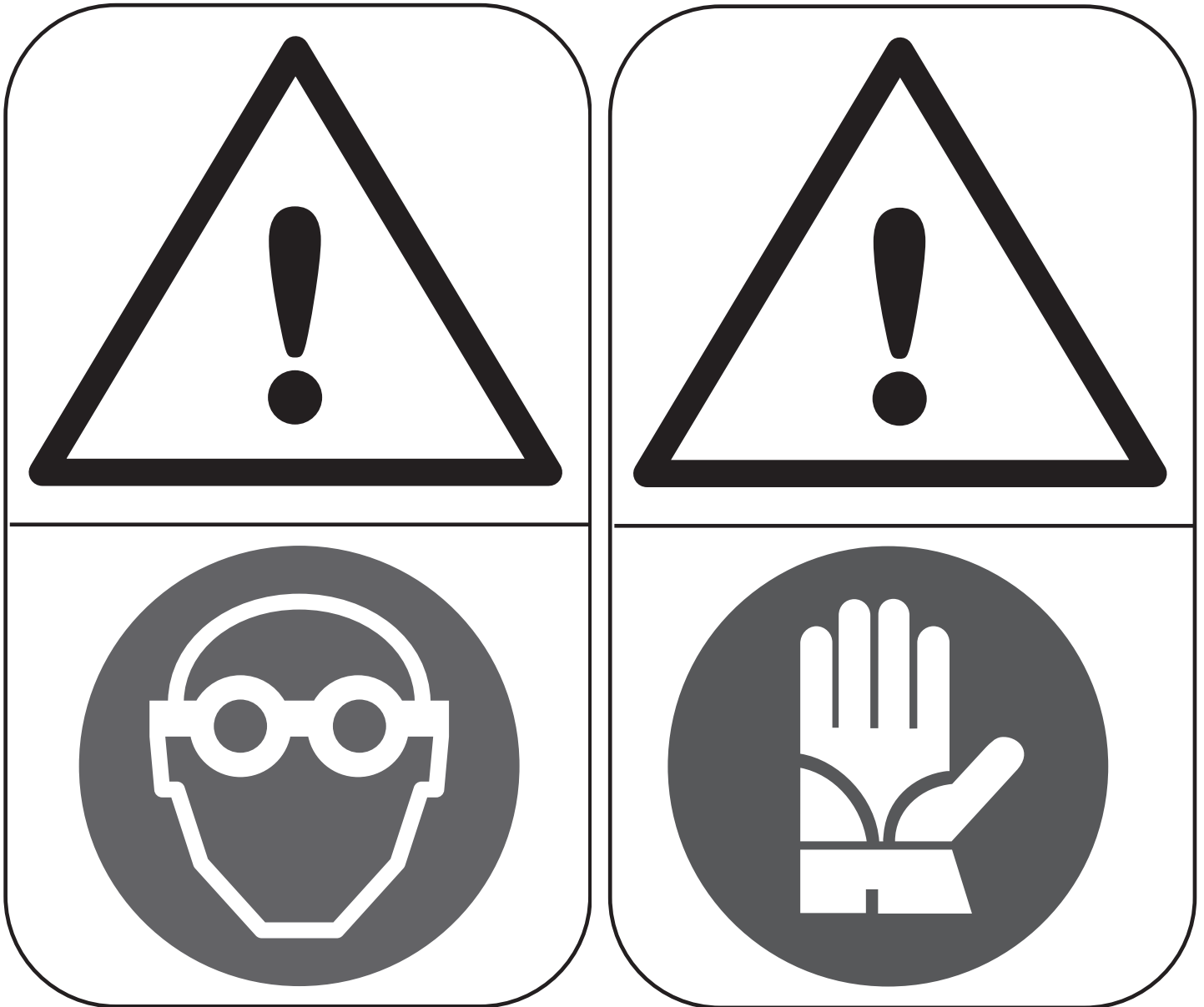


# **TECHNICAL MANUAL – 20 WHEELS**

**PISTA AXLE TO HH12 AXLE  
REPLACEMENT PROCEDURE**

## WARNING!

**ALWAYS** wear protective gloves and glasses while working on the bicycle.



### THIS TECHNICAL MANUAL IS INTENDED FOR USE BY PROFESSIONAL MECHANICS.

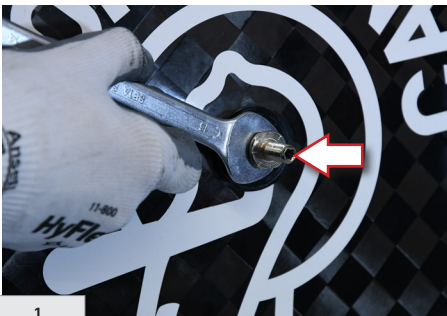
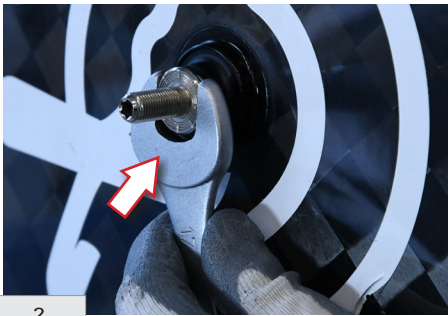
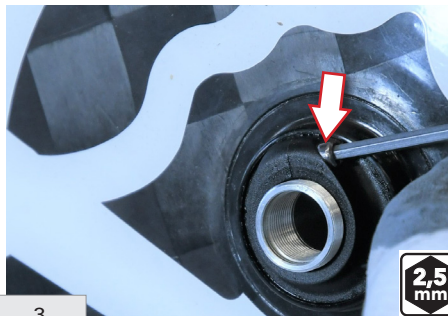
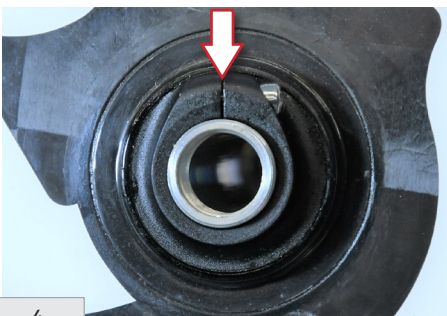
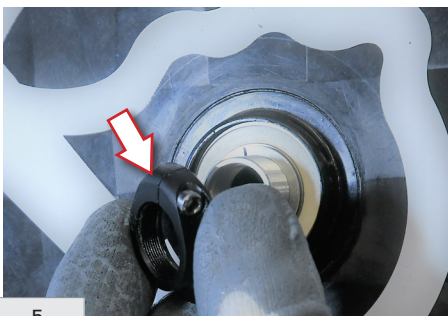



Anyone who is not professionally qualified to assemble bicycles should not attempt to install and operate on the components because of the risk of carrying out incorrect operations that could cause the components to malfunction with the consequent risk of accidents, physical injury or even death.

The actual product may differ from what is illustrated, as the specific purpose of these instructions is to explain the procedures for using the component.





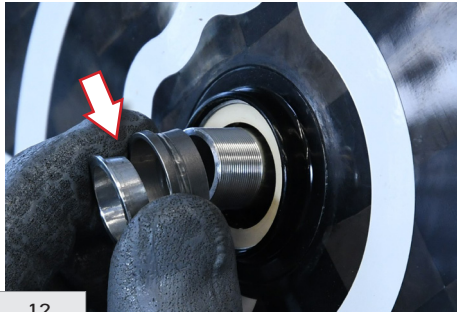

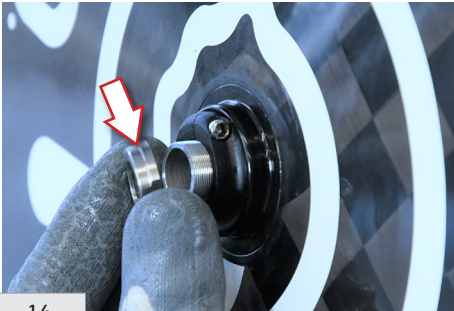

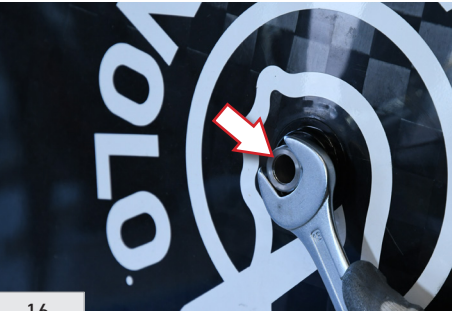
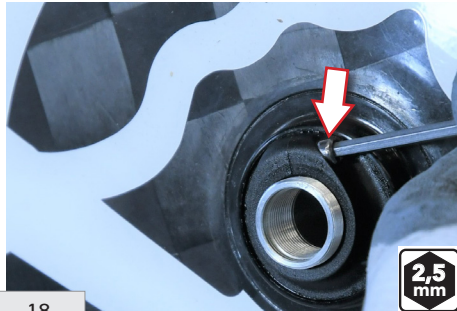
# TECHNICAL MANUAL - 20

PROCEDURE	REVISION	DESCRIPTION
20	02/08/ 2024	PISTA AXLE TO HH12 AXLE REPLACEMENT PROCEDURE
<b>PRODUCTS ON WHICH THE PROCEDURE SHOULD BE APPLIED</b>		
Refer to the "Table of Technical Manuals for Wheels", available at <a href="http://www.campagnolo.com">www.campagnolo.com</a> / section "Technical Documentation – Technical Manuals".		

 <p>1</p> <p>Lock the axle on the right-hand side, using a 14 mm fixed wrench.</p>	 <p>2</p> <p>Unscrew the left end using a 17 mm fixed wrench.</p>	 <p>3</p> <p>Undo the locking screw for the play adjustment ring nut.</p>
 <p>4</p> <p>In order to unscrew the ring nut, undo the screw until a slot is visible between the two edges of the ring nut itself.</p>	 <p>5</p> <p>Unscrew the play adjustment ring nut.</p>	 <p>6</p> <p>Remove the cone pusher and the cone.</p>
 <p>7</p> <p>Take out the axle from the right-hand side.</p>	 <p>8</p> <p>Retrieve the right-hand cone from the axle.</p>	 <p>9</p> <p>Take the components of the HH12 Ghibli kit.</p>

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PROCEDURE	REVISION	DESCRIPTION
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 <p>10</p> <p>Fit the right-hand cone on the HH12 axle.</p>	 <p>11</p> <p>Insert the axle in the hub from the right-hand side.</p>	 <p>12</p> <p>Insert the left-hand cone and the cone pusher.</p>
 <p>13</p> <p>Screw the play adjustment ring nut back on.</p>	 <p>14</p> <p>Screw the left-hand adapter on.</p>	 <p>15</p> <p>Lock the axle on the right-hand side using a 15 mm fixed wrench.</p>
 <p>16</p> <p>Screw the left end to a torque of <b>11/11.5 Nm</b> using a 18 mm fixed wrench.</p>	<p>Adjust the play according to the hub adjustment procedure, by following the instructions set out in Technical Manual 1 – Wheel hub adjustment (cup-and-cone bearing system), available on this website, in the section "Support / Technical Documents / Technical Manual".</p> <p>17</p>	 <p>18</p> <p>Tighten the play adjustment ring nut screw to a torque of <b>1.5 Nm</b>.</p>