

IMPORTANT PRODUCT SAFETY NOTICE

Rolf Prima Free Hub Body: Replacement Instructions

1. Review all material

Please read the entire content of the enclosed material carefully. Please call Rolf Prima's toll free phone number (800) 741-6941 with any questions pertaining to this important product safety notice.

2. Determine if your wheel is affected

The safety notice concerns some, but not all 2003 model Rolf Prima Vigor and Rolf Prima Élan rear wheels. These wheels are easily identified by three tell-tale characteristics of the rear hub: [see fig. 1]

- First, there are hexagonal axle nuts at the left side of the rear hub.
- Second, the free hub body is aluminum, with a gray-green color anodized finish.
- Lastly, only black hubs are affected. Silver hubs are not subject to this safety notice.

- Affected hubs have:
1. Hexagonal nuts on left (non-drive) side (A)
 2. Aluminum Freehub body (B)
 3. Black hubshell (C)

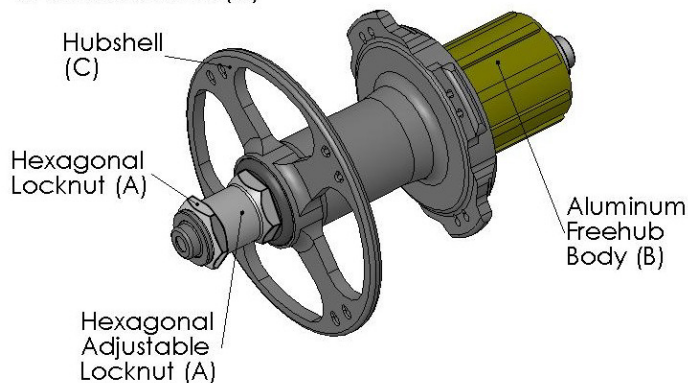


fig. 1

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Rolf Prima Free Hub Body: Replacement Instructions [continued]

Any Rolf Prima wheel without axle nuts or with a bright silver free hub body is not affected by this safety notice.

3. Determine whether the wheel has already been updated

The **affected free hub bodies** use an engagement mechanism referred to as the **“Loop Spring” design**. This design uses a single loop spring to activate the free hub mechanism. See figure 2 below:



Figure 2.
Loop Spring Mechanism

Rolf Prima wheels with Loop Spring free hub bodies must be removed from service immediately and updated.

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Rolf Prima Free Hub Body: Replacement Instructions [continued]

The **replacement free hub body** for recalled wheels is referred to as the **“3 pin” design**. This design utilizes 3 independent pins to activate the free hub mechanism. See figure 3 below:



Figure 3.
3-Pin Mechanism

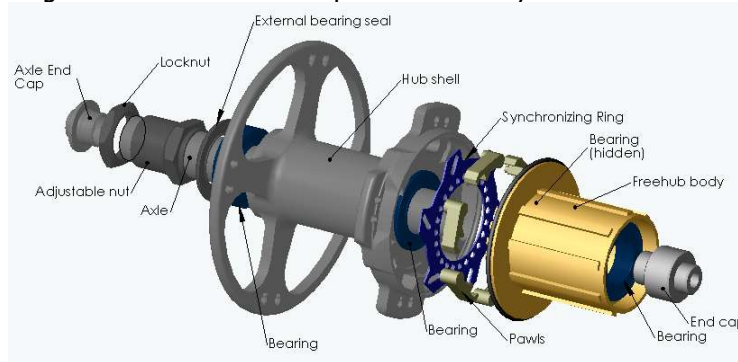
4. Obtain replacement free hub body from Rolf Prima

Visit your local Rolf Prima dealer to order a free 3-Pin replacement free hub body or call Rolf Prima toll free 1.800.741.6941 for more information. Please specify cassette system type – Shimano or Campagnolo and provide the serial number located under the rim tape near the valve hole.

Replacement free hub bodies will come with installation instructions and a new wheel serial number suffix to be installed next to the existing serial number.

IMPORTANT PRODUCT SAFETY NOTICE**Rolf Prima Free Hub Body: Replacement Instructions** [continued]**5. Install replacement free hub body**

Refer to the following instructions and the exploded assembly view below:



1. Place the hub into an axle vise drive side down. **DO NOT OVERTIGHTEN** the vise. Axle damage could occur.
2. Loosen the axle lock nut and adjustable nut. Loosen the locknut until it contacts the axle end cap. Continue turning the locknut against the axle end cap, forcing it out of the axle end. Thread the locknut back onto the axle just until the locknut threads are fully engaged. Pry the axle end cap out of the axle using a screwdriver or other suitable prying tool. Remove the lock nut and adjustable nut.
3. Remove the entire hub and free hub body assembly from the hub axle. Observe the location of axle spacers and seals for proper reassembly.
4. Remove the Loop Spring free hub body by gently pulling it away from the hub shell. Note the location of the thrust washer between the free hub body and hub bearing for proper reassembly.
5. Note the orientation of the pawls and synchronizing ring in the hub shell, remove these parts and set them aside for reassembly. Locate and remove the thin flat washer from beneath synchronizing ring. This washer occupies a space around the outside diameter of the hub bearing. This part is not required for use with the 3 Pin free hub body. **NOTE: some hubs may not have this washer, but if the washer is left in place, the 3 Pin free hub bodies will not function correctly.**
6. **Be sure that the small, thin thrust washer located between the inboard freehub bearing and the outboard hub bearing is in place in order for the hub to work properly.**
7. After removing the washer, install the synchronizing ring and pawls in their original orientation.
8. Reassemble the hub. Place the new 3 Pin free hub body in place on the hub shell.



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Rolf Prima Free Hub Body: Replacement Instructions [continued]

9. Turn the free hub body to engage the pawls and cassette body engagement teeth.

10. Install the axle by pushing the treaded end through the free hub body.

11. Ensure that the rubber seal is installed properly on the freehub body and axle nut.
NOTE: If the rubber seal is not properly seated in the slot between the two ridges on the end of the freehub body or it will create excessive drag. Thread the adjustable nut on the axle finger tight.

12. Replace the lock nut, also finger tight. Using the two 19mm wrenches as before, hold the lock nut while turning the adjustable nut tightly up against it.

13. Carefully replace the axle end cap by tapping it back into place with a soft faced hammer.

6. Apply new serial number suffix

A new wheel serial number suffix label is supplied with each replacement 3 Pin free hub body. The serial number suffix will enable quick and easy future confirmation that the wheel has been updated.

To install the label, remove the tire and tube and carefully lift the rim tape by sliding a flat bladed screwdriver beneath the tape at the valve hole. Apply the serial number suffix label next to the original serial number label. The original serial number label is found on the rim, under the rim tape, near the tire valve hole. Original serial numbers are five-digit numbers. For example, an original wheel serial number would be 06586.

After the suffix serial number is applied, a wheel serial number will look like this: 06586 E8157.

8. Questions regarding Safety Notice

For any questions or concerns regarding this Important Product Safety Notice, please call Rolf Prima customer service at 1.800.741.6941

Or write:

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