



1200 E. 151<sup>st</sup> Street  
Olathe, KS 66062  
913-397-8200

# SERVICE ADVISORY

NO.: 1836 Rev A

**TO:** Vector 3 Customers  
**DATE:** June 12, 2018  
**SUBJECT:** Vector 3 Requires Hardware Inspection

---

## PRODUCTS AFFECTED

Vector™ 3, Vector 3S

## DESCRIPTION

Garmin is aware of the following issues that may affect a small number of Vector™ 3 customers:

- Spindle nut is under torqued and must be tightened before the next ride
- Cartridge is separated from the pedal body

## RESOLUTION

Use the following instructions to inspect your Vector 3 pedals to ensure the spindles will not separate from the pedal bodies over time. If you are not comfortable performing these steps, you can contact a Garmin dealer or Garmin product support at [support.garmin.com](http://support.garmin.com).

### **Tightening the Spindle Nut**

**NOTE:** Garmin recommends tightening the spindle nut on one pedal at a time taking care to keep track of small parts. You must obtain a 4 mm hex key, PH 00 screwdriver, 15 mm pedal wrench, and 12 mm socket wrench with an outer diameter that is less than 17 mm, which is typically a ¼ in. drive socket. Use care not to damage any of the Vector components.

1. Before your next ride, check the torque of the spindle nut.
2. Use a 15 mm pedal wrench to remove the pedals.  
**NOTE:** The left pedal spindle has a left-handed (reverse) thread attaching it to the crank arm.
3. Use a 4 mm hex key to remove the battery cover (1).

©2018

Garmin Ltd or its subsidiaries

All Rights Reserved

All Rights Reserved Except as expressly provided herein, no part of this document may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without the express prior written consent of Garmin. Garmin hereby grants permission to download a single copy of this document and of any revision to this document onto a hard drive or other electronic storage medium to be viewed and to print one copy of this document or of any revision hereto, provided that such electronic or printed copy of this document or revision must contain the complete text of this copyright notice and provided further that any unauthorized commercial distribution of this document or any revision hereto is strictly prohibited.



4. Set the battery cover and batteries (2) aside.  
**NOTE:** Garmin recommends that all Vector 3 customers order the free, redesigned battery covers. For details, contact Garmin Product Support at [support.garmin.com](http://support.garmin.com).



5. Use a small Phillips screwdriver (PH 00) to remove the two screws (3) from inside the battery carriage (4).  
**NOTE:** If you have the Vector 3S system, the right pedal has no battery carriage.
6. Remove the battery carriage.
7. While securely holding the wrench flats with a pedal wrench, use the 12 mm socket wrench to torque the spindle nut (5) to 7 lbf-ft. (10 N-m).  
**NOTE:** To ensure that the spindle nut stays in place, you must tighten it to the recommended torque specification.  
**NOTE:** The right pedal has a black spindle nut and a reverse thread. The left pedal has a silver spindle nut. The left spindle has a line on the wrench flats.



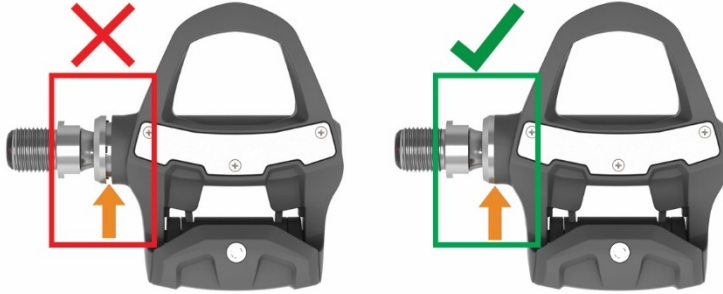
8. Replace the battery carriage and two screws.
9. Replace the batteries and battery cover, and hand tighten it.  
**NOTE:** Do not damage or lose the yellow O-ring gasket.

10. Use a 4 mm hex key to gently tighten the battery cover.

**NOTE:** Do not over-tighten the battery cover. The cover is sufficiently tight when the yellow O-ring gasket is no longer visible.  
The pedal LED flashes red once.

### Inspecting Your Vector 3 Pedals

1. Examine the area where the pedal body connects to the cartridge.  
If there is any separation between the pedal body and the cartridge, you could experience poor sensor performance, resets, or resistance to rotation.



2. If any separation is visible, contact Garmin Product Support at [support.garmin.com](https://support.garmin.com).