

Spin bike chain tensioner bracket and flywheel axle mount bracket upgrade

Applies to

Models: Rally and Shift Spinner™ belt and chain drive bikes

Mfg. Date: Units prior to 03/17/2016

Issue/Symptoms

The chain drive tensioner bracket and belt drive axle mount plate may incur cracks and break with heavy extended usage. The bike will exhibit loose chain/belt tension behaviors such as noises and pedaling problems if broken.

Resolution

Install re-engineered chain tensioner bracket for chain drive bikes or flywheel axle mount bracket for belt drive bikes.

Tools required

- 5 & 6 mm Hex Keys
- 19 mm socket
- 13 mm wrench
- Belt Tension Gauge, range 140-150 lbs (Kent-Moore BT-33-73-F)
- Torque wrench, range 29.5 ft-lbs (40 Nm)

Parts required

QTY	Part Number	Description
2	PPP00FT39062804200 ⁽¹⁾	CHAIN DRIVE TENSIONER BRACKET ⁽¹⁾
2	PPP00FT39062312000 ⁽²⁾	FLYWHEEL AXLE MOUNT BRACKET ⁽²⁾

Note: (1) Order part for chain drive bikes only.
 (2) Order part for belt drive bikes only.

Chain drive tensioner bracket installation procedure

Perform this procedure for chain drive bikes. Review entire procedure before starting.



Note: Refer to the [SBK800 Spinner Bike Line](#) service manual for belt replacement and belt tensioning procedures, see “[Chain Drive Flywheel Replacement](#)” and “[Chain Drive Tension Adjustment](#).”

- 1 Remove the front and rear chain guard covers.
- 2 Release all brake pad resistance by turning the resistance knob counterclockwise (-).
- 3 Loosen, but do not remove, the left and right axle nuts using a 19 mm wrench to allow axle movement.
- 4 Equally remove chain tension by alternately loosening the left and right chain adjustment nuts using a 10 mm wrench. Remove nuts and washers. Retain fasteners for installation.
- 5 Remove the left and right chain tensioner bracket fasteners (2x each) using a 5 mm hex key. Slide the bracket off the adjustment screw and discard. Keep fasteners for installation.
- 6 Reinstall the left and right replacement chain tensioner brackets (PPP00FT39062804200) and secure with the removed fasteners (2x ea).



Chain Drive Spin Bike

- 7 Thread the left/right chain tension adjustment washers onto the adjustment bolts but do not tighten. Pull the flywheel forward until the chain tension stops movement. Then align the flywheel angle so that the front of the flywheel rim is equally spaced and centered within the frame forks. Tighten the tensioner nuts until snug.
- 8 Correct chain adjustment requires that both the chain tension and front/rear sprockets are aligned.
 - a Equally tighten (or loosen) the left and right tension adjustment nuts (10 mm wrench) to bring the chain into specification, 1/2 inch (1.3 cm) up/down chain travel, while maintaining flywheel-fork alignment.
 - b Turn the crank and verify that the chain runs smoothly over the teeth of both front and rear sprockets. The vertical gap between the flywheel rim and front forks should be equal distance. Make small tension bolt adjustments as needed to align the flywheel and sprockets.
- 9 Tighten the left and right axle nuts, torque to 29.5 ft-lbs (40 Nm).
- 10 Pedal the bike to verify there are no issues with the chain tension adjustment.
- 11 Replace the chain rear and front chain guards.
- 12 Verify the bike operation and return to service.

Belt drive flywheel axle mount bracket installation procedure

Perform this procedure for belt drive bikes. Review entire procedure before starting.



Note: Refer to the [SBK800 Spinner Bike Line](#) service manual for belt replacement and belt tensioning procedures, see “[Belt Drive Flywheel Replacement](#).” and “[Belt Drive Tension Adjustment](#).”

1. Remove front and rear belt guard covers.
2. Remove all brake pad resistance by turning resistance knob counterclockwise (-).
3. Release belt tension by loosening the belt tension adjustment nut using a 13 mm wrench. Release as much tension as possible without removing the nut off the tension bolt.
4. Remove the rear belt pulley finger guard by removing fasteners (2x) using a 5 mm hex key.

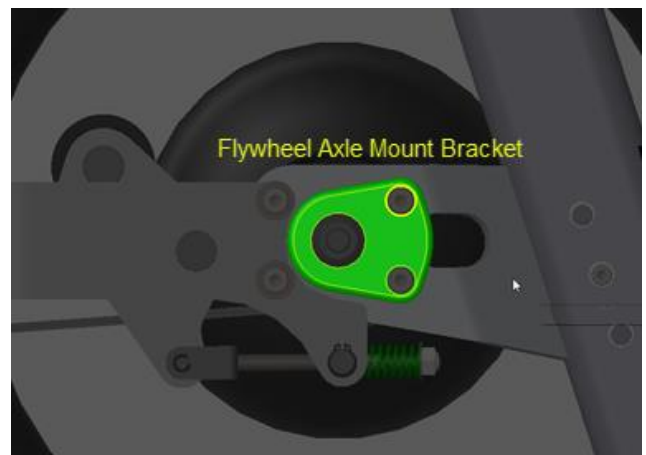


Caution: It is important to release belt tension prior to removing the frame cross member.

5. Remove the frame cross member by removing fasteners (4x) using 6 mm hex key. Firmly grasp the cross member while removing. The belt tensioner is mounted onto the cross member and may have a small amount of belt tension applied.
6. Loosen, but do not remove the left and right axle nuts using a 19 mm wrench.
7. Remove the left and right axle mount bracket fasteners (2x each) using a 6 mm hex key.
8. Carefully slide the flywheel off the frame.
9. Remove and replace the left and right flywheel axle mount brackets with the replacement brackets (PPP00FT39062312000).
10. Use two service techs to carefully reinstall the flywheel by sliding the axle mounting brackets into the frame axle mounting slots.



Tip: You may find it easier to stand the bike frame on its front (resting on the front stabilizer and handlebar) and then installing the flywheel axle mounting brackets into the axle mounting slots. The weight of the flywheel will help to slide the flywheel into the mounting slots.



Belt Drive Spin Bike

11. Position the flywheel to align the left and right axle mounting plate holes to the frame mounting threads. Secure axle mounting bracket with fasteners (2x each) using a 6 mm hex key.
12. Tighten the left and right axle bolts, torque to 29.5 ft-lbs (40 Nm).
13. Reinstall the frame cross member onto frame, make sure the drive belt is correctly installed onto the belt tension mechanism pulleys. Secure with fasteners (4x) using 6 mm hex key.
14. Reinstall the rear belt pulley finger guard, secure with the fasteners (2x) using a 5 mm hex key.
15. Tension belt to between 140 - 150 lbs tension.
16. Verify that the brake pad is centered on the flywheel and operating correctly.
17. Replace front and rear belt guard covers.
18. Verify the bike operation and return to service.