

# Chain Drive Tension Adjustment

## About

This procedure provides instruction to verify and make adjustments to the chain drive. The chain tension should be verified anytime the chain is replaced, at regularly scheduled preventative maintenance, or when there are any unusual belt related issues (noises, pedal skip, etc.) while operating the bike.

**CAUTION:** Improper chain adjustment will cause premature wear and may void the Precor Limited Warranty.

## Specifications

System Component	Specification
Chain Drive Tension	1/2 in (1.3 cm) up/dwn travel
Axle Nut torque	29.5 ft-lbs (40 Nm)

## Available Movies



[Chain Tension Adjustment](#)

## Procedure

Review entire procedure before starting.

### **Chain tension verification**

1. First verify the chain tension by inserting a screwdriver into the chain tension inspection window **2** (rear chain guard) and gently moving the chain up and down. A properly adjusted chain will have 1/2 in (1.3 cm) up/dwn travel. If the chain is too loose or too tight, continue procedure to adjust the chain tension.



### **Chain adjustment instructions**

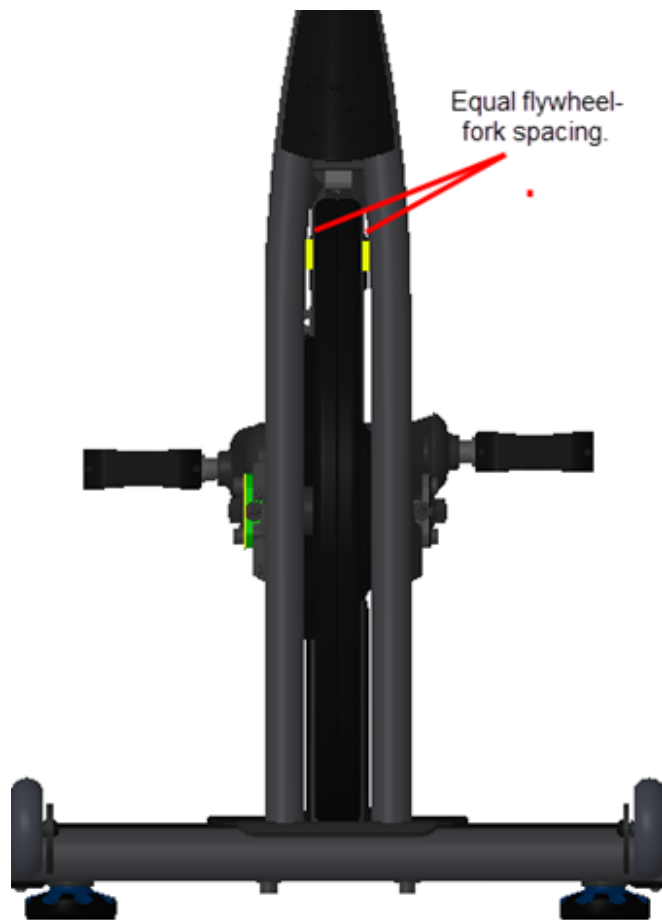
1. Remove the front chain guard access panel **3** by removing the one fastener using a 5 mm hex key.



2. Remove all brake pad flywheel resistance by turning the resistance knob counter clockwise (-).
3. Loosen the left and right axle nuts **4** enough to allow axle movement using a 19 mm wrench.
4. Chain adjustment requires proper chain tension and chain sprocket alignment. Equally tighten or loosen the left and right chain adjustment nuts **5** (10 mm wrench) so that there is 1/2 in (1.3 cm) up/dwn travel.
  - a. Slowly turn the crank arm and adjust the chain tension so the chain falls smoothly onto the front and rear sprockets.



- 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.



5. Tighten the left and right axle nuts **4**, torque to 29.5 ft-lbs (40 Nm).
6. Ride (pedal) the bike to verify there are no issues with the chain tension adjustment.
7. Replace the chain guard access panel.
8. Verify the bike operation per [Operation Verification Checklist](#) and return to service

## See Also

---

[Adjustment Procedures](#)

---

Contact Precor [Customer Support](#) (Ph 800.786.8404) with any questions.

Copyright 2014-2018 Precor Incorporated