



BOARDWALK ASSEMBLY GUIDE



CONGRATULATIONS

Congratulations on the purchase of your new Sun bike. This assembly guide will provide instructions for the final assembly and setup of your new bike.

Before your first ride, please read the Sun Bicycles Owner's Manual along with this BICYCLE ASSEMBLY MANUAL included with your new bike. This assembly guide is not a replacement for the Sun Bicycles Owner's Manual or as a comprehensive repair and maintenance book. All repair and maintenance should be performed by trained professionals. We highly recommend you seek the services of a trained mechanic at your local bike shop in these matters.

UPDATES

Periodically, updates and addendums may be issued for this document. To ensure you have the most up-to-date information, please check sun.bike or contact customer care at info@sun.bike

FIND A RETAILER IN YOUR AREA

sun.bike/pages/store-locator

HAVE A QUESTION

info@sun.bike

FIND US ONLINE

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PREPARING FOR ASSEMBLY

- **Gather all tools required for assembly**
 - Below are the recommended tools and supplies needed for assembly



10, 14, & 15mm or Adj.Wrench



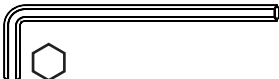
Pliers / Cutters



Flat Blade Screwdriver



Phillips Screwdriver



Metric Hex Wrench Set



Torque Wrench



Air Pump



Bicycle Grease

- **Select your work area**
 - A well lit area like a garage or outside is ideal
 - Make sure you have plenty of space to move around
 - Protect your work surface to prevent accidental damage. I.E. carpet or wood floors

QUICK REFERENCE

■ Warranty

- Sun Bicycles written warranty can be located in the Sun Bicycles Owner's manual included with your new bicycle or at sun.bike

Bike Details		Torque Specifications	Tool Size	Torque
Model(s)	Boardwalk 20, 24, & 26	Front wheel axle nut	15mm wrench	30-45 Nm
Frame size(s)	12,14,17,19,20, & 23"	Rear wheel axle nut	15mm wrench	30-45 Nm
Wheel size(s)	20, 24, and 26"	Seat rail clamp	14mm wrench	12-15 Nm
Tire size(s)	20, 24, and 26 x 2.125"	Stem - Quill bolt	6mm hex wrench	12-15 Nm
Tire pressure	40 - 65 PSI	Stem - Faceplate bolts	6mm hex wrench	12-15 Nm
Max tire width	2.125"	Pedals	15mm wrench	30-40 Nm
Bike weight - Boardwalk 20	22 lb	Headset locknut	36mm wrench	25-30 Nm
Bike weight - Boardwalk 24	28 lb	Crank arm bolts	8mm hex wrench	38-42 Nm
Bike weight - Boardwalk 26	30 lb	Brake arm screw & nut	Screwdriver & 10mm wrench	2-3 Nm
Max rider weight - Boardwalk 20	170 lb	Kickstand	8mm hex wrench	15-17 Nm
Max rider weight - Boardwalk 24/26	250 lb			
Max cargo weight - All sizes	25 lb			

UNPACK YOUR NEW BIKE



Fig. 1



Fig. 2

- **Opening the carton**
 - Remove the staples from top of the carton with pliers or a flat blade screw driver and open box top flaps
 - **Warning!** The staples have sharp edges and should be disposed of in a safe manner to ensure they do not become a hazard to yourself and others
- **Lift your new bike and all parts out of the carton**
 - To make lifting the bike out of the carton easier, it's good idea to have a second person to help with this step
 - Double check the carton to ensure you have removed the small parts box, and the saddle
- **Remove all packaging from your new bike**
 - First, cut the zip ties securing the front wheel, handlebar, and seat assembly from the rest of the bike and set to the side
 - Be mindful not to cut any parts of the bike including spokes, brake cables, and derailleur cables during this step
 - Next, remove all remaining foam and cardboard packaging

WHAT'S IN THE BOX



Fig. 3



Fig. 4

■ **Confirm you have everything**

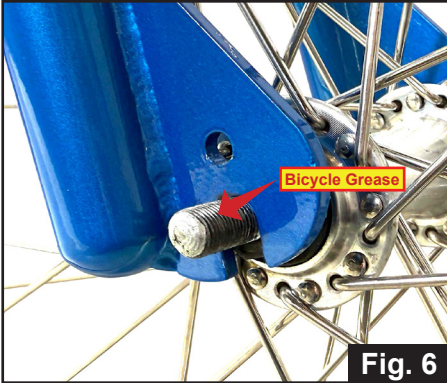
- Main bike assembly - Fig. 3
- Front wheel - Fig. 4
- Pre-assembled saddle and seatpost - Fig. 4
- Handlebar with pre-installed foam and rubber grips - Fig. 4
- Small parts box containing the Sun Bicycles Owners Manual & Assembly Guide, stem, pedals, and reflectors - Fig. 4

INSTALL FRONT WHEEL



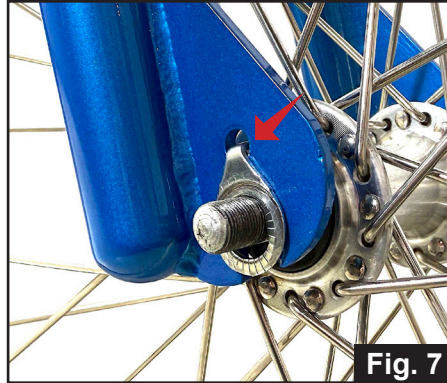
Fig. 5

INSTALL FRONT WHEEL



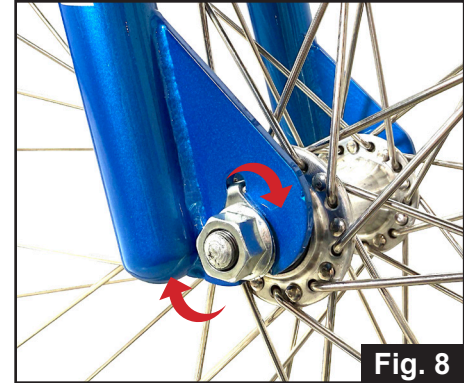
Insert the Wheel:

- Make sure the axle is fully inserted into the dropout
- Apply a small amount of grease to the axle threads to ensure the axle nut threads on smoothly



Position the Keyed Washer:

- Place the keyed washer onto the axle with the tab facing inward, ensuring it aligns with the slot on the dropout



Install & Tighten the Axle Nuts:

- Installed the front wheel lock nut on the axle by threading clockwise
- Finish by tightening the axle nut with a 15 mm wrench to the recommended torque
- Recommended torque: 30-45 Nm

Final Check: Ensure the wheel is centered in the fork and spins freely without rubbing, confirm the keyed washer is fully seated and hasn't shifted during tightening, and double-check that the axle nuts are properly tightened to the recommended torque.

INSTALL STEM

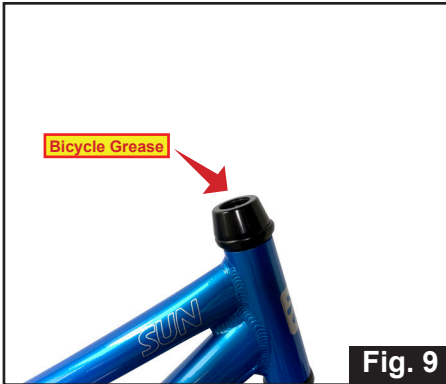


Fig. 9

Prepare the Fork:

- Ensure the fork steerer tube is clean and free of debris
- Lightly apply grease to the inside edge of the steerer tube

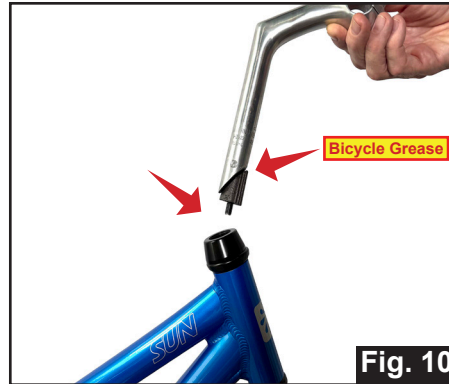


Fig. 10

Insert & Align the Quill Stem:

- Loosen the expander bolt (quill bolt) so the wedge can move freely
- Lightly apply grease between the quill wedge and stem
- Insert the quill stem into the fork's steerer tube, ensuring it slides in smoothly
- Adjust the height, ensuring the minimum insertion line (etched on the stem) is fully inside the steerer tube

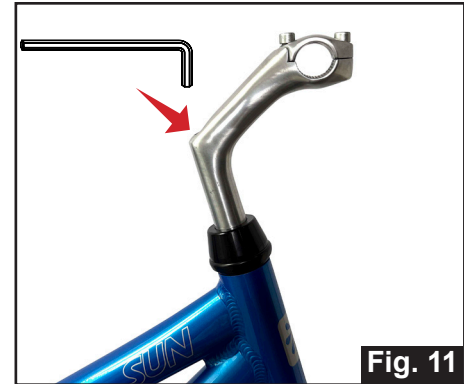


Fig. 11

Align & Tighten the Quill Bolt:

- Position the stem so it is centered and aligned with the front wheel
- Hold the front wheel between your legs to keep it stable while adjusting
- Using a 6mm allen wrench, tighten the quill bolt to secure the stem inside the steerer tube
- Recommended torque: 12-15 Nm

INSTALL HANDLEBAR



Fig. 12

Prepare the stem:

- Ensure the handlebar clamp is clean and free of debris
- If your stem has a removable faceplate, loosen or remove the bolts to open the clamp
- Apply grease to the faceplate bolt threads



Fig. 13

Insert the handlebar on the stem:

- Position the handlebar and reattached the faceplate, tightening the bolts loosely to hold it in place
- Align the handlebar so the markings are centered in the stem clamp

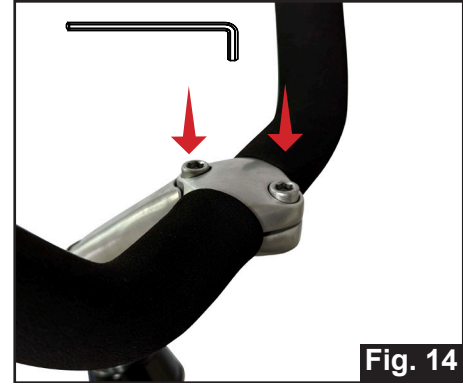


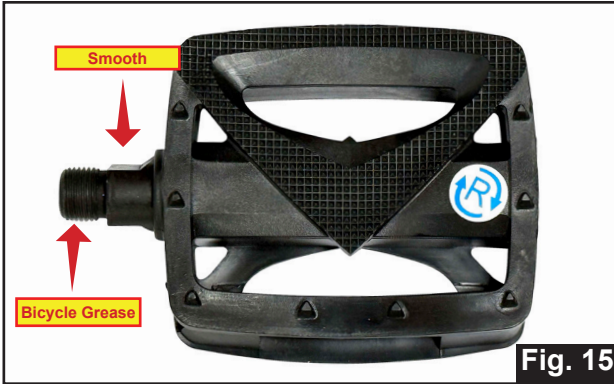
Fig. 14

Align & tighten the handlebar:

- Adjust the angle to a comfortable riding position
- Tighten both bolts evenly to ensure even pressure on the handlebar
- Recommended torque: 12-15 Nm

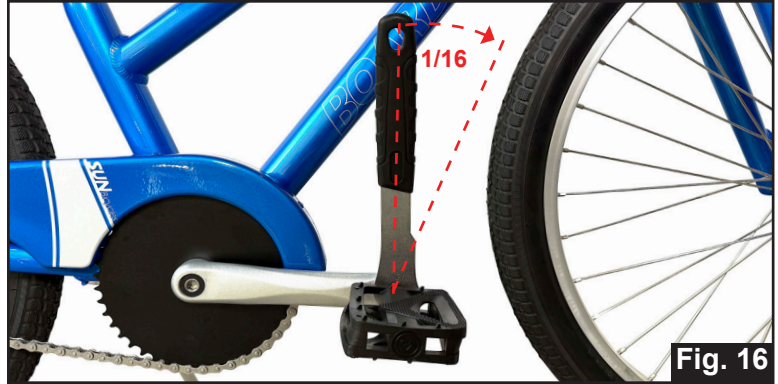
Final Check: Confirm the stem is secure and does not twist under force, ensure the handlebars are properly aligned with the front wheel and tightened, and test for any play by applying pressure to the handlebars and rocking the bike back and forth, rechecking the quill bolt if movement is detected, while also ensuring the handlebar does not slip and fine-tuning its angle if necessary for optimal positioning.

INSTALL RIGHT SIDE PEDAL



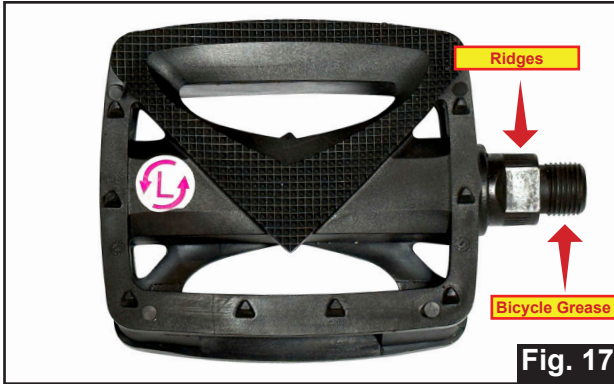
- Identify the right side pedal - Fig. 15
- The right side pedal has a sticker marked “R”
- The right side pedal has a smooth spindle
- The right side pedal has a “R” stamped on the end of the pedals spindle
- The right side pedal has a right-hand thread (installs clockwise, removes counterclockwise)
- The right side pedal can only be installed on the right side crank arm (Also known as the drive-side or chain side of the bike)

Notice: The right and left pedals are not interchangeable.



- Apply bicycle grease to the pedal threads - Fig. 15
- Hold the right pedal with your hand and insert into the right crank arm (clockwise rotation too tighten). Begin by threading it in by hand to ensure it doesn't cross-thread
- Once threaded correctly, use a pedal wrench or other 15mm wrench to tighten the pedal until it firmly contacts the crank arm and then tighten another 1/16 of a turn (30-40 Nm) - Fig. 16
- The pedal should be tight enough to prevent loosening but not so much that it's hard to remove later
- If you're uncertain about the proper pedal tightness, have the pedal tightness checked by a trained mechanic at a bike shop before riding

INSTALL LEFT SIDE PEDAL



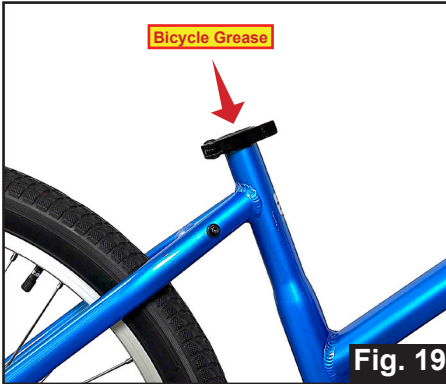
- Identify the left side pedal - Fig. 17
- The left side pedal has a sticker marked “L”
- The left side pedal has ridges on the spindle
- The left side pedal has a “L” stamped on the end of the pedals spindle
- The left side pedal has a left-hand thread (installs counterclockwise, removes clockwise)
- The left side pedal can only be installed on the left side crank arm (Also known as the non-drive side or non-chain side of the bike)

Notice: The right and left pedals are not interchangeable.



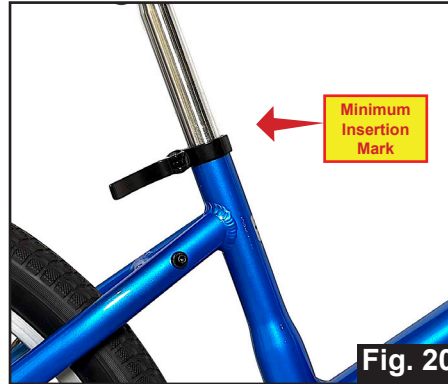
- Apply bicycle grease to the pedal threads - Fig. 17
- Hold the left pedal with your hand and insert into the left crank arm (counterclockwise rotation too tighten). Begin by threading it in by hand to ensure it doesn't cross-thread
- Once threaded correctly, use a pedal wrench or other 15mm wrench to tighten the pedal until it firmly contacts the crank arm and then tighten another 1/16 of a turn (30-40 Nm) - Fig. 18
- The pedal should be tight enough to prevent loosening but not so much that it's hard to remove later
- If you're uncertain about the proper pedal tightness, have the pedal tightness checked by a trained mechanic at a bike shop before riding

INSTALL SEATPOST



Prepare the seat tube:

- Apply a small amount of bicycle grease to the inner surface of the seat tube
- Applying bicycle grease reduces friction for easier seat height adjustment and prevents the seatpost from getting stuck due to friction or corrosion.



Insert the seat post:

- Open the quick-release lever, insert the seatpost to the desired height, and ensure it is below the Minimum Insertion line. If the line is visible, lower the seatpost to prevent damage and safety risks



Tighten the quick-release lever:

- Turn the adjusting nut clockwise to tighten or counterclockwise to loosen, then close the quick-release lever until it feels firm and snug
- If it closes too easily, tighten the nut slightly and try again; if it's too hard to close, loosen it slightly

Final Check: Confirm that the seat post is secure by twisting and pulling it; if it moves or slips while riding, repeat the steps and tighten slightly more, ensuring the post is at the correct height and the quick-release lever is flush against the frame to prevent accidental snags.

POSITION SADDLE



Position the saddle:

- The saddle can be moved fore and aft as well as angled up and down
- Loosen the nut located under the seat with a 14mm wrench
- Position saddle to the desired position and retighten to the recommended torque
- Recommended torque: 12-15 Nm



Positioning tips:

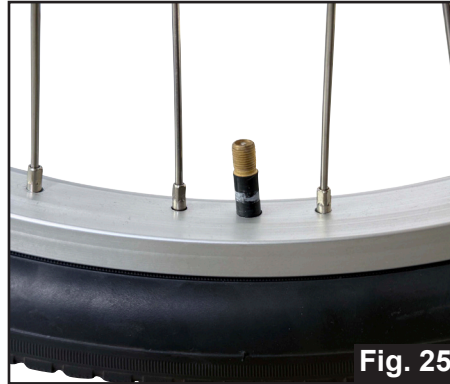
- Positioning the saddle too far forward or too far back on the rails can cause damage to the saddle and the seatpost
- A good starting point is to position the saddle level with the ground and in the middle of the rails as shown above. Then make small incremental adjustments until you find the right fit

INFLATE TIRES



Locate the valve:

- Rotate your wheel so the valve is positioned at the 6 O'clock position



Remove the cap:

- Remove the valve cap by turning it counterclockwise



Inflate the tire:

- Attach pump head and inflate to the recommended tire pressure
- Remove pump head
- Replace the valve cap
- Recommended tire pressure: 40-65 PSI

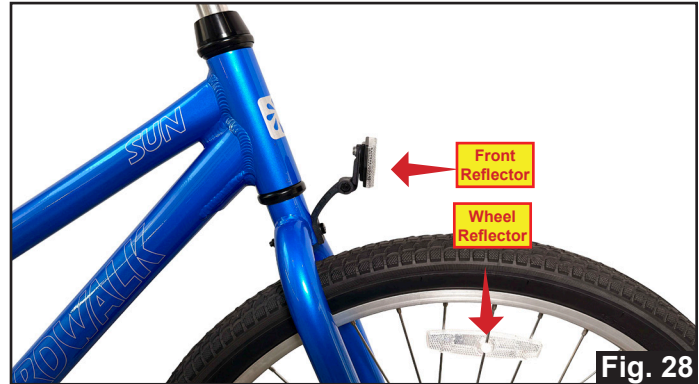
Final Check: Use a gauge to make sure your tires are properly inflated—too soft can cause flats, and too hard can make the ride rough. Follow the PSI range on the tire: higher for pavement, mid-range for mixed terrain, and lower for wet or loose surfaces for better grip. Press the tires to ensure they feel firm but not rock-hard, spin the wheels to check for smooth movement, and listen for air leaks, adjusting as needed for a safe and comfortable ride.

CHECK / INSTALL REFLECTORS



Install red seat post reflector:

- Open the clamp and position it around the seat post and secure in place with a phillips screw driver
- Align the reflector so it is facing directly backward and perpendicular to the ground for maximum visibility
- Place it high enough on the seat post so it is not blocked by the rear wheel or fender



Install white fork reflector:

- Attach the front (white) reflector and bracket to the hole in the fork crown, located just above the front tire, with a phillips screw driver and 10mm wrench
- Align the reflector so it is facing directly forward and perpendicular to the ground for maximum visibility

Final Check: Ensure the white front reflector is securely mounted and facing forward, the red rear reflector is properly attached and facing backward, and both pre-installed wheel reflectors are evenly positioned for side visibility; verify that pre-installed yellow pedal reflectors are facing forward and backward, check that all reflectors are tightly secured and do not shift, and perform a visibility test by shining a light from different angles to confirm proper reflection.

SAFETY CHECK

ATTENTION!

Before your first ride and before each subsequent ride, perform the safety check below as well as any additional verifications outlined in the Owner's Manual to ensure your bicycle is safe to ride. Failure to do so could result in serious injury.

- **Fastener Check** Ensure all fasteners, including nuts, bolts, and screws, are appropriately tightened for the seatpost, stem, and handlebar. Check their tightness by securing the bike between your legs and attempting to twist, push, and pull the handlebar and saddle. If any component moves, realign it, increase bolt tension, and repeat until there is no movement
- **Seatpost & Saddle Adjustment** Adjust the seatpost to the correct height for comfortable riding, ensuring it is inserted below the minimum insertion line and securely tightened.
- **Wheels & Tires** Check that both wheels spin freely without wobbling and are centered in the frame, with axle nuts securely fastened. Maintain proper tire pressure by inflating them to the recommended PSI using an accurate gauge, and if unsure about alignment or pressure, refer to the Sun Bicycles Owner's Manual or consult a Sun Bicycles Retailer or qualified bike shop.
- **Chain & Drivetrain** Ensure the chain is clean, lubricated, and properly tensioned, with the rear cog and chainring securely fastened and free from excessive wear.
- **Coaster Brake Functionality** Test the coaster brake by pedaling forward and then backpedaling firmly to ensure it engages smoothly without delay or grinding. If the brake feels weak or slips, check that the rear wheel is properly aligned and securely fastened in the dropouts, and if unsure about the brake's performance, seek help from a Sun Bicycles Retailer or a reputable bike shop.

Performing this safety check regularly will help ensure a safe and enjoyable ride.

NOTES



DEALER STAMP



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