

ELECTRIC

TRANSPORTATION

COMPANY

THE ELECTRIC TRANSPORTATION COMPANY, LLC.
1486 EAST VALLEY ROAD • SANTA BARBARA, CA 93108
(888) 808-4ETC • www.etcbikes.com

This bicycle was manufactured for ETC in Korea

The information in this manual is correct to the best of our knowledge.
It is subject to change without notice.

*ETC NEW CENTURY[®] & THE ETC LOGO ARE TRADEMARKS OF
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RULES OF THE ROAD

DO:

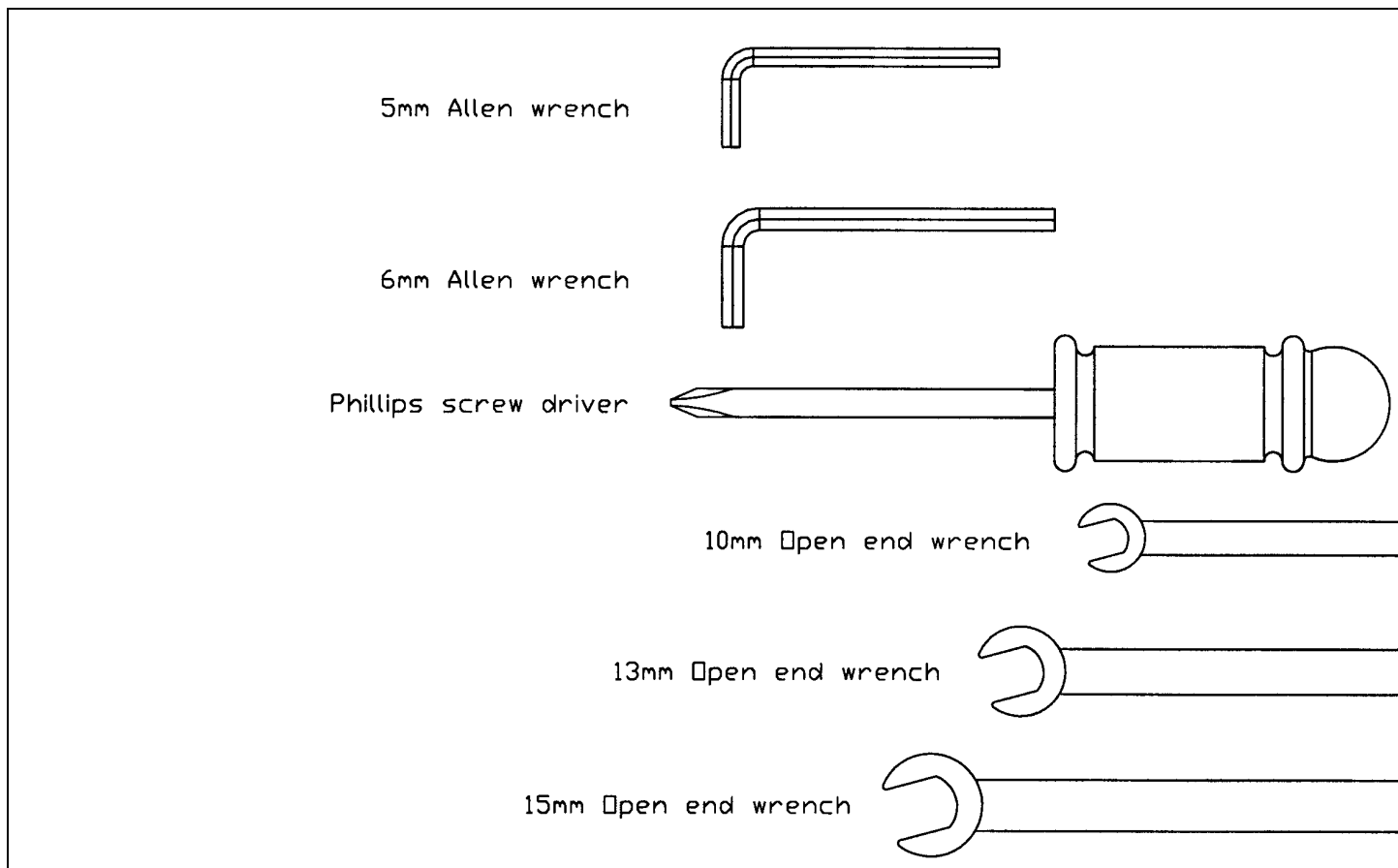
- Check tire pressure and hand brake before riding.
- Make sure all nuts and bolts are tightened securely before riding.
- Always wear a helmet when riding any bicycle.
- Remember, your New Century has rear coaster brakes. To stop, pedal backwards to apply the rear brake, then apply the front brake with the brake lever which is mounted on the left side.
- Obey all state and local traffic laws, signs and signals.
- Ride with traffic, not against it.
- Ride single file in a straight line.
- Watch for opening car doors and for cars pulling out into traffic from the curb, side streets and driveways.
- Watch for manhole covers, grates, sand, mud, dirt, leaves, holes or other hazards on the road.
- Always cross railroad track at a right angle.
- Be careful and walk your bicycle through busy intersections.
- Look both ways before crossing the street.
- Keep both hands on the handlebars.
- Yield to pedestrians.
- Wear light-colored, reflective clothing, especially at night.
- Be extremely careful when riding in wet weather.
- Protect your bicycle from theft. Lock it whenever it's out of your sight. Use a strong tamper-resistant lock.
- Record model and serial number that are stamped on the bicycle frame.

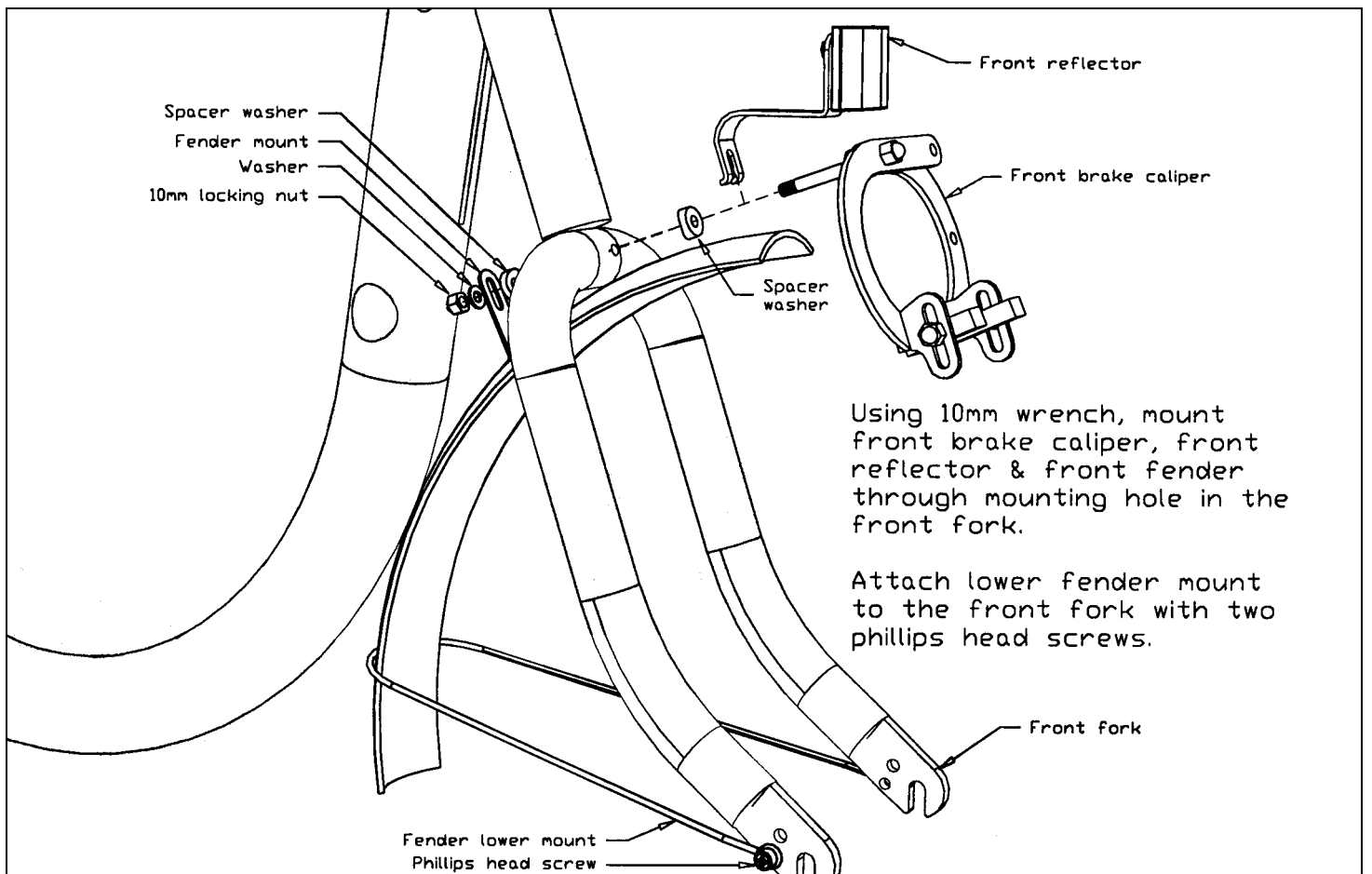
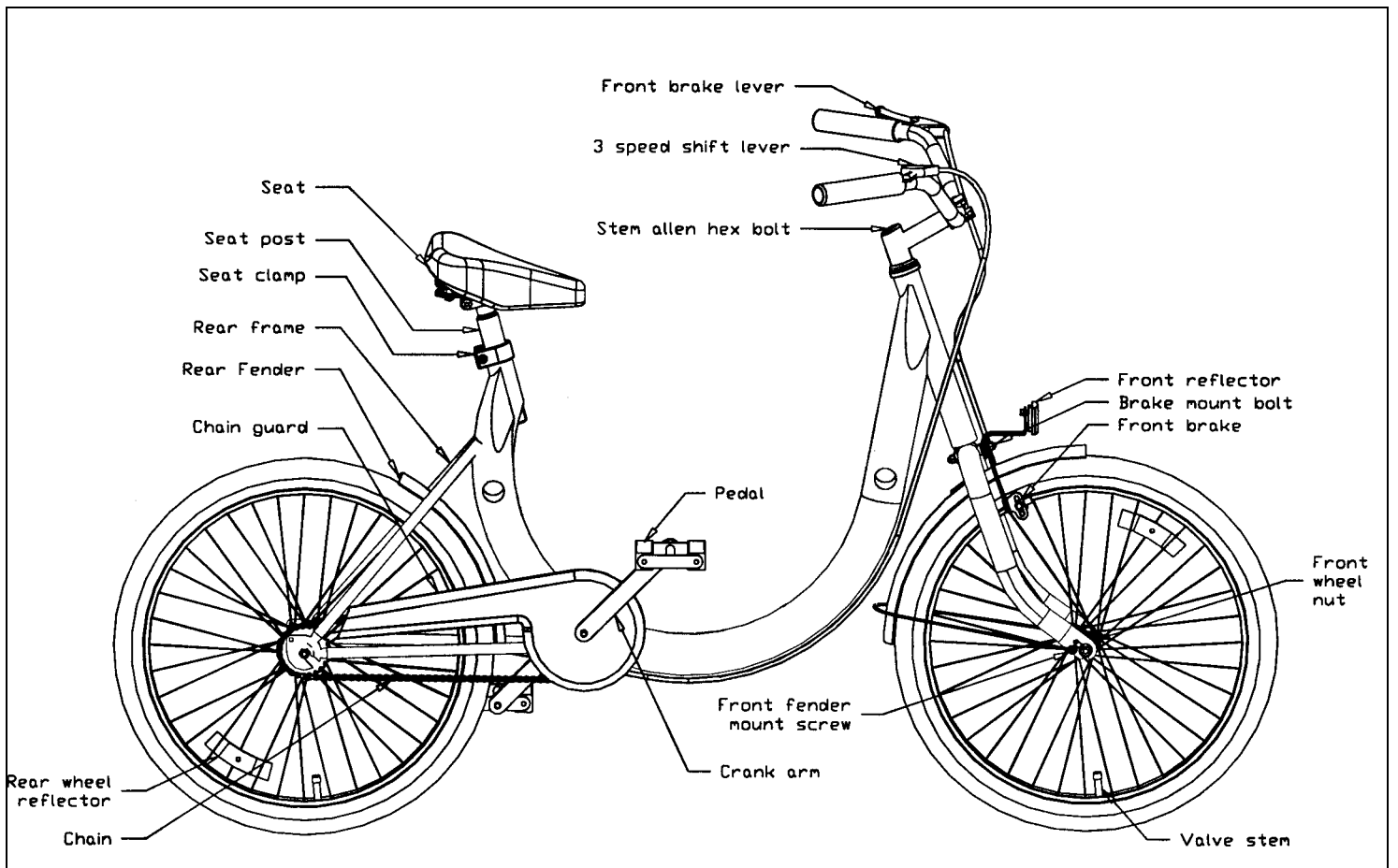
DON'T:

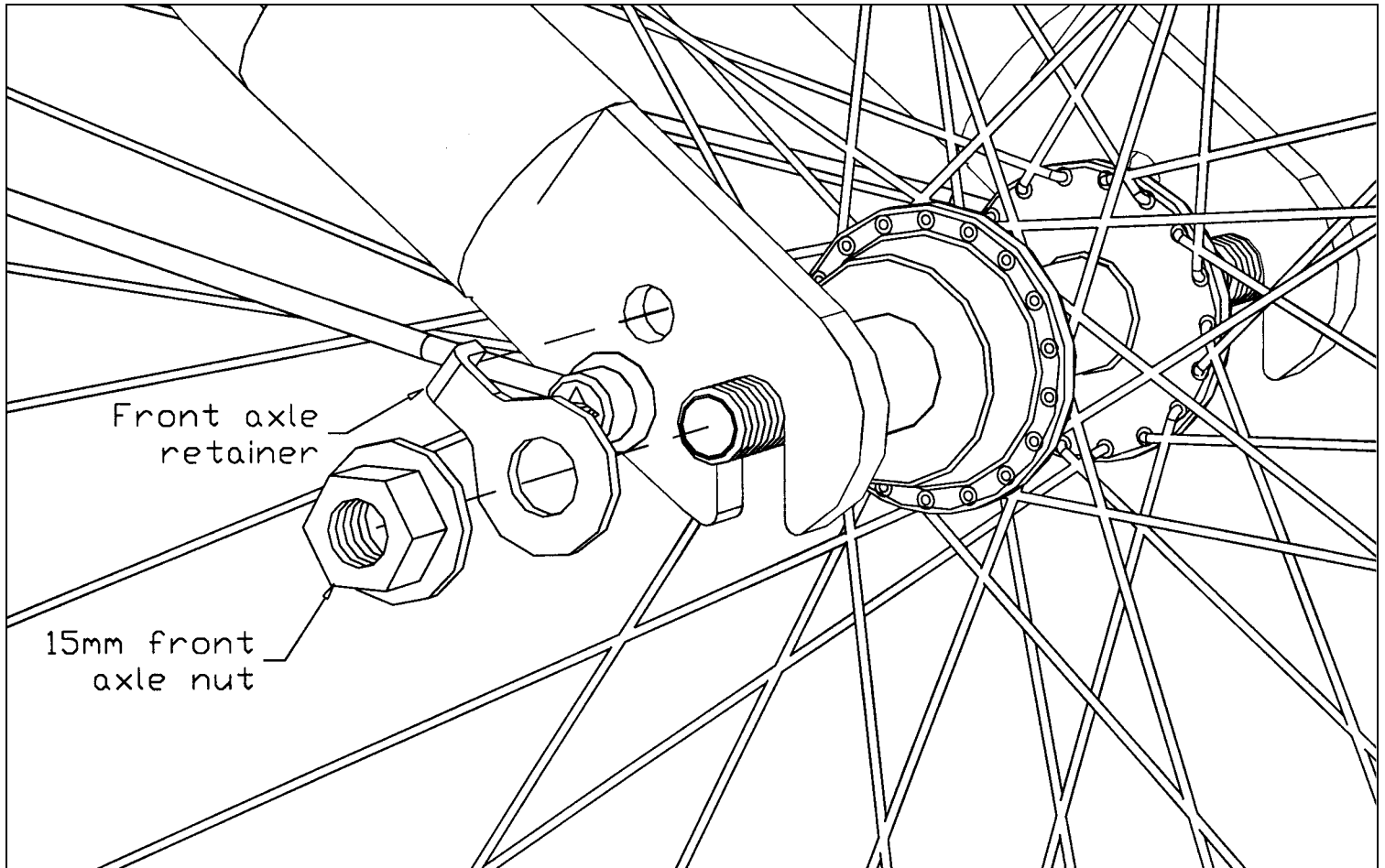
- Start out on a steep hill until you are familiar with your bicycle.
- Hitch rides on another vehicle.
- Carry passengers
- Wear loose clothing that may get caught in moving parts. This may effect your ability to ride safely.
- Wear sandals or ride barefoot.
- Wear anything (such as a Walkman) that restricts your hearing.

BICYCLE SAFETY CHECKLIST

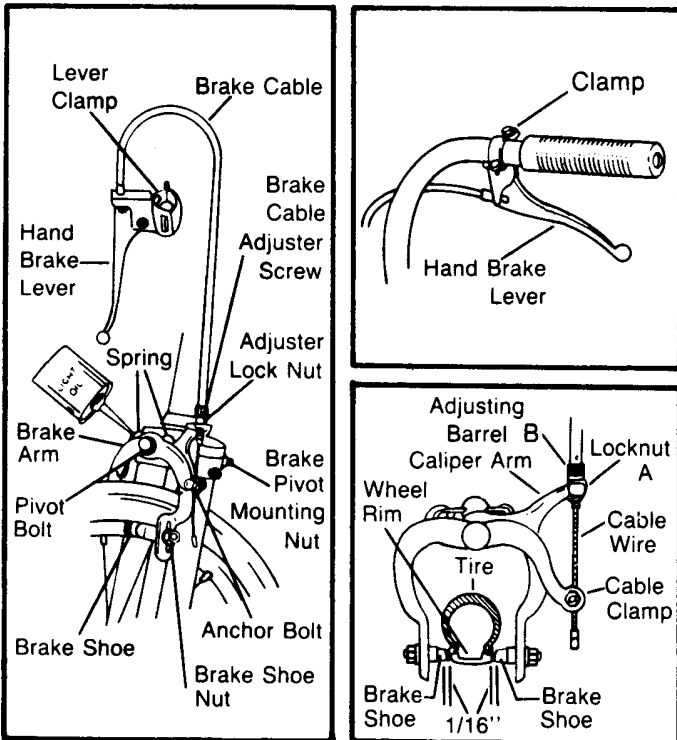
- Follow all assembly instructions. If you are not familiar with bicycle assembly, have your bicycle assembled at a professional bicycle shop.
- Always inspect and check the bicycle before riding.
 - BRAKES:** Test the tension. Brakes should be tight and working correctly. Keep the brake pads adjusted to the wheel rim; clearance should be 1/16" (1.6mm) [Refer to the caliper brake adjustment section in this manual]. Replace worn or missing brake pads. Wipe any oil off the rim before riding. Remember that the handbrake does not work well when the rim is wet.
 - REFLECTORS:** Keep clean and check that they are visible to the headlights of on-coming cars.
 - TIRES:** Check that the tires are properly seated on the rims and that the air pressure is set correctly as marked on the side of the tire. Use a foot or hand pump to inflate tires. Do NOT use service station high pressure air! Replace worn or cut tires; do not ride.
 - CHAIN:** Keep lubricated by brushing oil onto each link. (Check maintenance section of this manual.)
 - CABLES:** Adjust regularly and replace if worn.
 - BOLTS & NUTS:** Make sure all bolts and nuts are secure and tight. Pay particular attention to wheels, seat, handlebar and pedals.
 - SEAT:** Adjust the height to the comfort of the rider. Make sure the seat post clamp is securely tightened, with the seat properly installed per instructions.
 - HANDLEBARS:** Adjust the height to the comfort of rider. Replace worn handle-grips.







CALIPER BRAKES



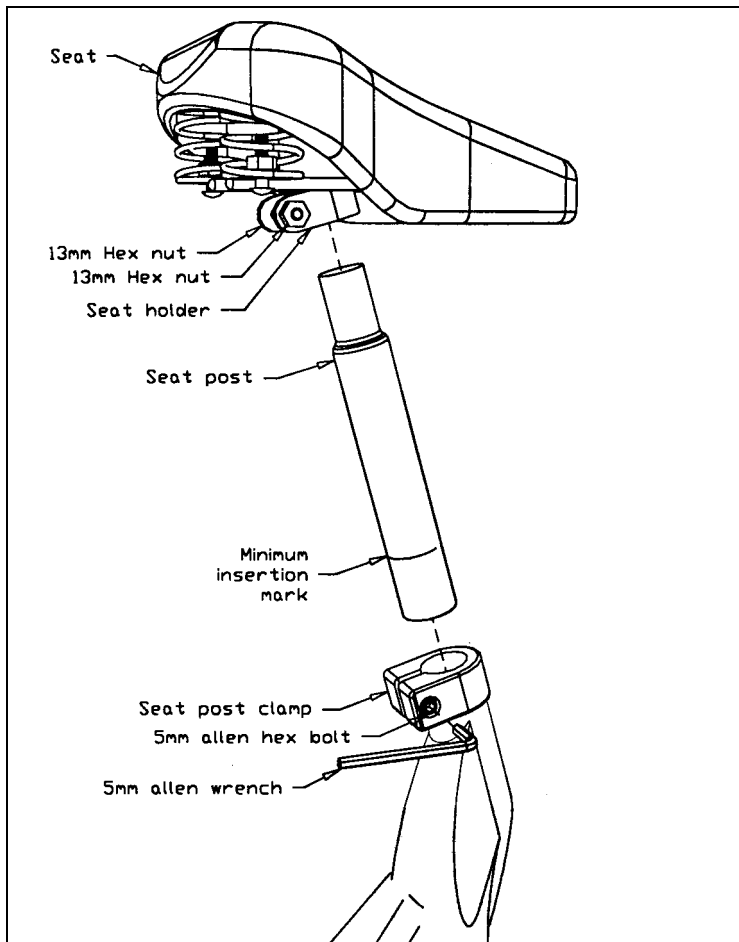
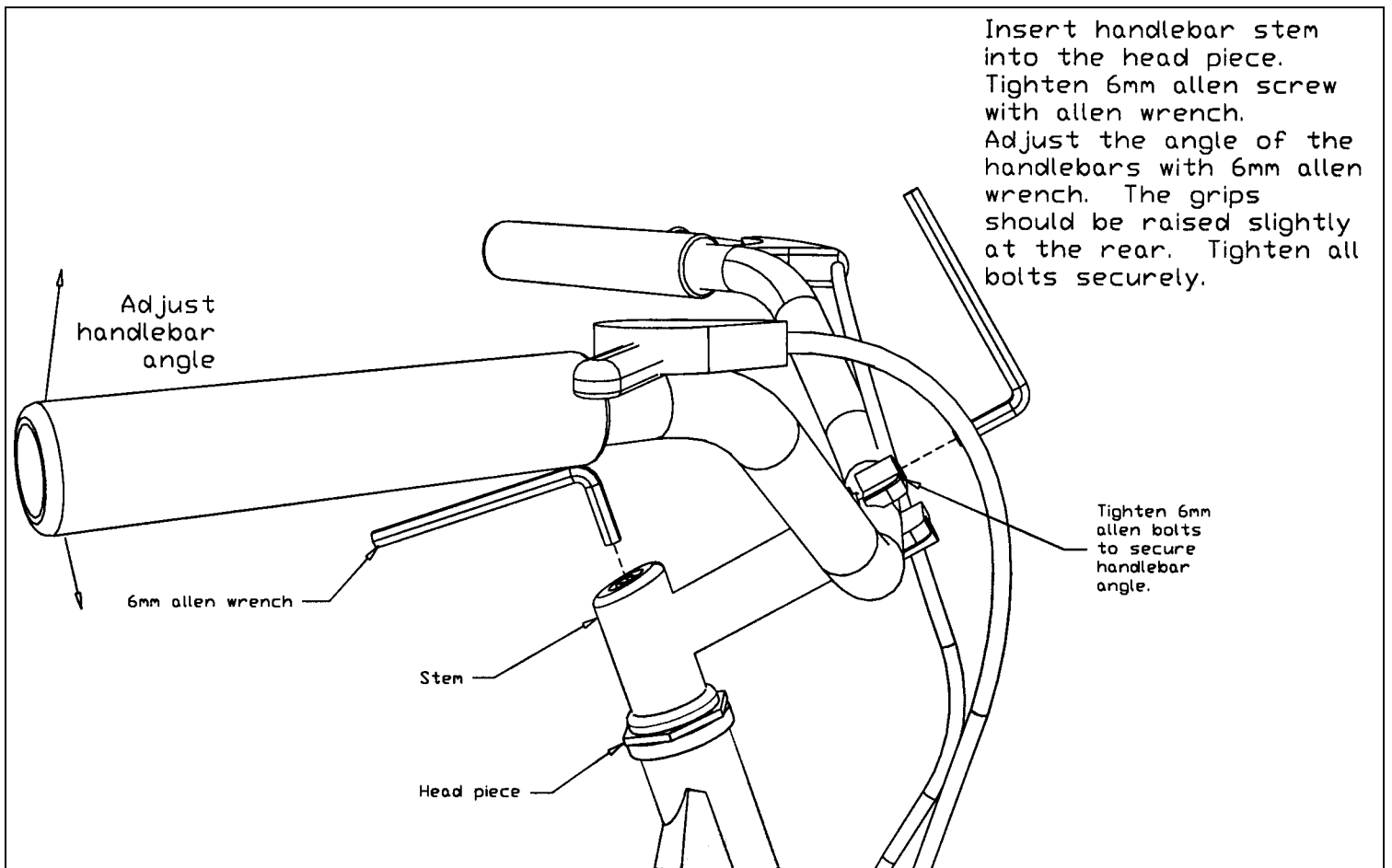
BRAKES

FRONT CALIPER BRAKES: Your New Century is equipped with a sidepull front caliper brake. This brake is properly adjusted when the minimum movement of the brake lever brings the brake pads into contact with the wheel rim. The brake should not be so closely adjusted that the brake pads touch the rim when the brake lever is released. The pads should be 1/16" (1.6mm) from the rim. Adjust the front brake as follows:

- Loosen the 10mm cable clamp nut.
- Align the caliper so that the pads are 1/16" (1.6mm) from the rim.
- Fully extend the brake cable. Make sure the brake lever on the handlebars is in the fully released position.
- Tighten the 10mm cable clamp nut.
- If one pad is closer to the rim than the other, tap the caliper spring to center the caliper.

REAR COASTER BRAKES: The rear coaster brakes are self-adjusting. Check to be sure they are working properly before riding.

CAUTION:
**ALWAYS APPLY REAR BRAKE FIRST WHEN STOPPING
 AND APPLY BRAKES BEFORE GOING INTO TURNS.**



SEAT & PEDALS

SEAT:

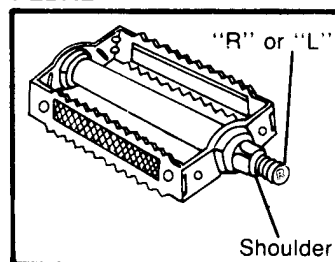
Insert the small end of the seat post into the seat holder at the base of the seat. Tighten the two 13mm nuts (left & right) to secure. Insert the seat post into the bicycle frame. Adjust the seat height. **CAUTION:** Insert the seat post past the minimum insertion mark in the post. Tighten the 5mm allen bolt to secure the seat post to the bike frame.

PEDALS:

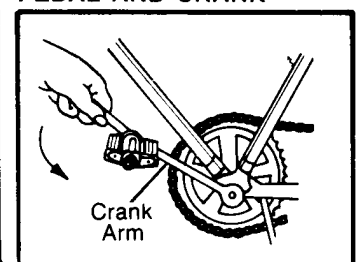
Each pedal has a different thread. Forcing the wrong pedal into the wrong crank arm will destroy the threads in the crank arm. Insert the pedal marked "L" into the left crank arm (rider's left). Turn the square nut counterclockwise to start threads. Tighten with 15mm wrench. Repeat on the right side (turning clockwise to tighten). Secure with 15mm wrench.

CAUTION: DO NOT RIDE WITH LOOSE PEDALS.

PEDAL



PEDAL AND CRANK



BEARING ADJUSTMENTS

There are four places on the bicycle that contain bearings that may require adjustment. They are the head tube, the front wheel axle, pedal crank and front/rear wheel axles. Each of these bearings is adjustable and must be kept in proper adjustment to ensure the long life and riding ease of the bicycle. In order for you to know when the bearings are out of adjustment, the following procedure is used for checking each bearing:

CHECKING HEAD TUBE

Lift up handlebars at the ends (grips). There should be no play of the handlebar stem and fork within the frame, but the handlebar must be able to turn freely and easily from side to side with the front wheel.

HEAD TUBE ADJUSTMENT

Remove head lock nut if any. Turn the adjusting cone clockwise until finger-tight. Tighten head lock nut, setting the adjustment.

CHECKING CRANK BEARINGS

Test for play in the crank by taking hold of one end of the crank and trying to move it sideways. There should be only a trace of play. The crank bearing adjustment must be set so that the crank can turn easily and freely.

CRANK BEARING ADJUSTMENT

Remove the lockring and loosen or tighten adjusting cap at left side. Then check proper rotation and side play. Reset lockring and tighten it. An adjusted crankset assembly should rotate freely and should not have any side play.

CHECKING WHEEL BEARINGS

The front and rear wheel bearings are both checked in the same manner. Hold the wheel to be checked off the ground and try rotating it. The wheel bearing adjustment must be set so that the wheel can turn easily and freely with only a trace of side play at the wheel rim.

**ALWAYS USE THE CORRECT LUBRICANT.
NEVER USE GASOLINE OR VEGETABLE OIL
AS A LUBRICANT**

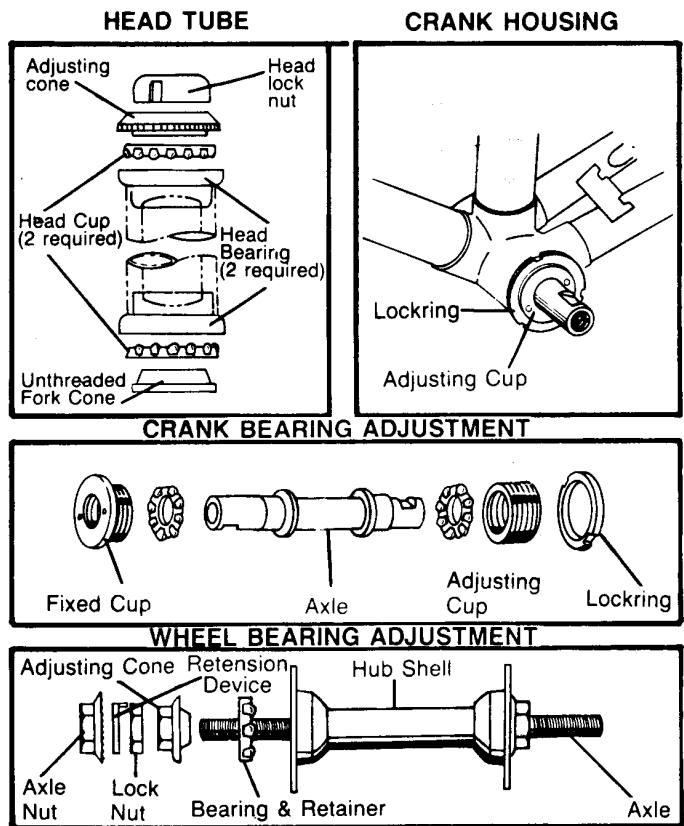
CHAIN: Every 3 months, generously brush machine oil onto each link of chain. Wipe all excess oil off with a rag. Every 6 months (Yearly if usage is low) remove the chain. Soak it in a solvent or parts cleaning liquid, then scrub it clean using the solvent. Blot off solvent with a rag and let chain dry. Re-oil as above.

PEDALS: Every 3 months (Yearly if usage is low) Apply a few drops of machine oil to each pedal so that the bearings inside pedal will be lubricated. Keep oil off of pedal parts where foot rests.

CRANK HEAD TUBE, WHEEL HUB BEARINGS: Every 6 months (Yearly if usage is low) Since greasing of bearings requires a complicated procedure of disassembly, cleaning, and inspection, it is recommended that you have this work done by a bicycle service shop.

BRAKES: Every 6 months Oil all pivoting points on each brake lever and caliper arm. Add 5 or 6 drops of machine oil into each end of the brake cable (where the cable wire enters its sheath at each end). If, after lubrication, the cable does not move freely, take the cycle to a service shop.

WARNING: Do not let oil get on caliper brake shoes or wheel rim. Any oil getting on any of these surfaces will greatly reduce



the effectiveness of the braking system. If any oil does get on these surfaces, wash off with hot, soapy water and rinse off all soap.

REAR SPROCKET CLUSTER: Every 3 months

The ratchet inside the rear sprocket cluster should be oiled at the gap inside the smallest sprocket. (Lay the bicycle on its left side and slowly spin the wheel while applying oil).

DERAILLEURS: Periodically

These parts are constantly sprayed with road dirt. Grease or oil used here would quickly pick up abrasives. Therefore, the best lubricant to use for these components is any lightweight spray-on type that evaporates, leaving a dry, lubricating film.

CAUTION: Do not over-lubricate. Excess lubricant runs out and collects dirt which can cause excess wear on some parts. Wash off any oil that gets on rubber parts. Oil deteriorates rubber.

Service problems not able to be satisfied by the bicycle owner should be referred to a bicycle service station.

Serial No _____

Model No. _____

Date Purchased _____

Where Purchased _____