

SURREY

Assembly & Operating Instructions

READ CAREFULLY! IMPORTANT!

Congratulations on the purchase of your new Surrey. To ensure that your new Surrey consistently performs in the manner in which it was designed, and to avoid unnecessary assembly complications, use the assembly tips below to guide you through the assembly process.

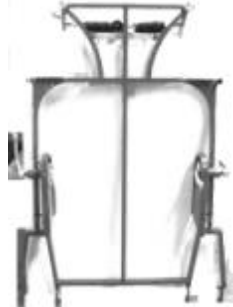

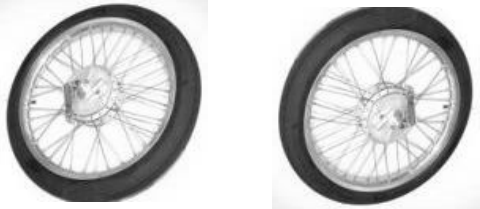


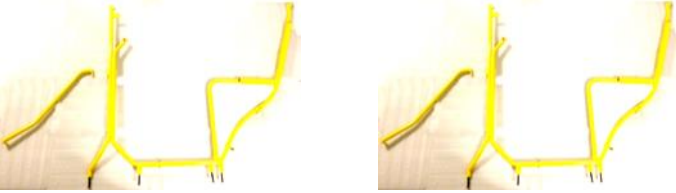
Read all assembly and operating instructions carefully before proceeding!








We highly recommend reading this entire document before unpacking and attempting to assemble your new cycle. If you feel you are not capable or comfortable conducting the assembly, please call us at 409.986.2006 so that we can assist in finding a bicycle shop for you to hire to conduct the assembly.




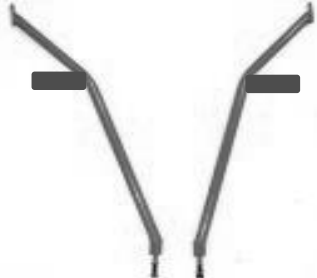

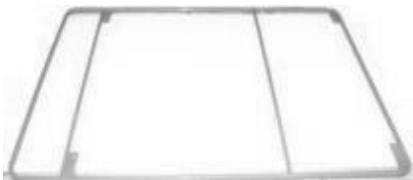
Recommended Tools:







- 10 inch crescent wrench
- 8 or 6 inch crescent wrench
- 10mm socket
- 13 mm socket
- 14 mm socket
- Socket wrench
- 10 mm box end wrench
- 13 mm box end wrench
- 14 mm box end wrench
- 15 mm box end wrench
- 17 mm box end wrench
- 22 mm box end wrench
- Box cutter knife or scissors
- Weighted plastic or rubber mallet
- Awl or small Philips head screw driver (to line up holes)
- Needle-nose Pliers
- 4 mm allen wrench

Please note, these are only recommended tools. For example, socket wrenches are not required, but they do make the job a little easier and faster.

| Quantity | Part Name | Part Number* | Photograph |
|----------|---|--|---|
| 1 | Base Frame <i>(model varies)</i> | 270 |  |
| 2 | Front Wheel <i>(16 inch tire)</i> <i>Spoked or Mags</i> | 142 |  |
| 2 | Rear Wheel <i>(17 or 18 inch tire)</i> <i>Single Speed Spoked</i> <i>Single Speed Mag or</i> <i>7 Speed Spoked</i> | 137 |  |
| 1 | Nose Frame | 2 |  |
| 2 | U Brace | 30 |  |
| 2 | Side Frame (Right and Left) <i>(Larger if Double or Triple Bench Model)</i> | 10 <i>(Please note that single lead tube bolts on)</i> |  |

| Quantity | Part Name | Part Number | Photograph |
|---|--|-----------------|---|
| 2 for Surrey 4 for Limo 6 for Stretch | Chain and Master Link | Included in 118 |  |
| 1 | Handle Bar | 195 |  |
| 1 | Cloth Awning | N/A |  |
| 1 for Surrey 2 for Limo 3 for Stretch | Bottom Seat and Frame | 132 & 12 |  |
| 1 for Surrey 2 for Limo 3 for Stretch | Backrest Seat and Frame | 131 & 219 |  |
| 1 2 1 | Childseat Handle Bar Strap Brace | 21 |  |
| 2 | Rear Fender | 17 |  |

| Quantity | Part Name | Part Number | Photograph |
|--|---|-------------|---|
| 1 | Front Bumper | 278 |  |
| 2 | Front Fender | 61 |  |
| 1 2 2 | Steering Column Universal joints Rubber boot covers | 20 |  |
| 2 | Rear Stay Brace | 13 & 14 |  |
| 4 6 for Limo 8 for Stretch | Awning Posts <i>(Straight Stainless Steel)</i> | 25 |  |
| 1 | Awning Frame | 27 |  |

| Quantity | Part Name | Part Number | Photograph |
|---------------------------------|---|-------------|---|
| 2 | Front Head Lamp | 258 |  <p>Model varies</p> |
| 4 | Chain Adjuster <i>(not required on 7 speed models)</i> | 120 |  |
| 2 Surrey 4 Limo 6 Stretch | Pair of Pedals | 50 & 51 |  |
| 2 | Brake Cable | 127 & 128 | <p>Model varies</p>  |
| 1 Limo 2 Stretch | Underseat Brace <i>(multi bench units)</i> | NA |  |
| 1 Limo 2 Stretch | Rear Seat Handlebar <i>(multi bench units)</i> | NA |  |

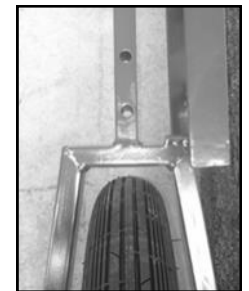
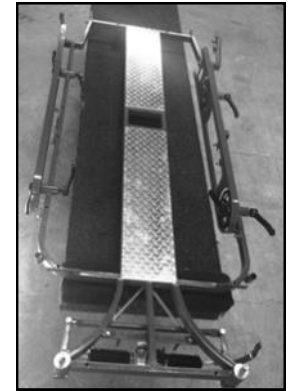
Please note actual components shipped might be different from the photos in this manual. Components are upgraded and changed from time to time. The photos herein are for instructional purposes only.

NEW SURREY ASSEMBLY TIPS & OPERATING INSTRUCTIONS

Congratulations on the purchase of your new Surrey. To ensure that your new Surrey consistently performs in the manner in which it was designed, and to avoid unnecessary assembly complications, use the assembly tips below to guide you through the assembly process. *Read all assembly and operating instructions carefully before proceeding!*

Steps:

1. Completely unpack and unwrap all Surrey components. Briefly review the exploded diagram (on the following pages) for the bike you are assembling. During the assembly process, leave all nuts “finger tight” until the end of assembly.
2. Place the large **Base Frame # 270** on a flat, level area (*elevated off of the ground if possible*).
3. Install two rear wheels. Loosen the nuts on each of the **Rear Wheels # 137** and slide them onto the **Rear Stays** (forked shaped frame pieces on the **Base Frame**). Leave the **Rear Wheel nuts** loose.
4. Install the **Chains** by running the chain over the front crank chainring and around the axle of the rear wheel. Attach the ends of the chain with the **Master Link #118**. The **Master Link** is connected with the pin plate, through each end of the chain, then the flat plate and finally the notched lock plate. Slide the wheel all the way forward and loop the chain over the top of the freewheel cog on the rear wheel. Pedal the crank forward; the chain will work its way around the freewheel.
5. Pull the **Rear Wheel** back to pull the slack out of the chain. Use the **Chain Adjusters #120** on the rear axles of the **Rear Wheels** to pull the slack out of the chain by tightening them against the **Rear Stays**. Please note that the Chain Adjusters are not installed on 7 Speed Wheels. Leave a little slack in the chain. *If the chain makes a popping noise when the wheel is turned, the chain is too tight.* If the chain is too loose, it will frequently derail. To install the rear wheels, if you are installing single speed wheels, please refer to the **Single Speed Rear Wheel Ad-dendum** (later in this manual). If you are installing 7 speed wheels, refer to Steps 1-4 only of the **Easy 7 Speed Gearing Package Instructions** (later in this manual).
6. Confirm that the rear wheels are installed in the center of the rear stays. If the rear wheel is fading to the left or right when installed, the rear tire will wear unevenly and more quickly. Also, the Surrey will be more difficult to pedal.

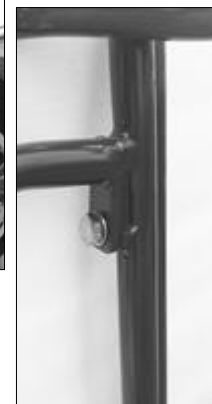


Steps:

7. Install the **Rear-Stay U Braces #30**, which are painted the same color as the frame and arch over the rear wheels just under the rear fenders, on the left and right side. Leave the two 13mm nuts hand tight. It might be necessary to slight spread and narrow the **Rear-Stay U Braces #30** to fit the hole pattern in the base frame.



8. Install the **Rear Fender #17** under the **Surrey Side Frame #10** by loosening the 13 mm nut under the arch of the **Surrey Side Frame #10**. Under the **Surrey Side Frame #10** arch for the rear wheel, the **Rear Fender** will match the hole pattern in three places, the bolt welded to the **Surrey Side Frame #10** that requires a 13 mm nut and the two holes for the two 10 mm bolts and nuts that mount through the **Surrey Side Frame #10**, **Rear Fender** and **Rear-Stay U Brace**. Install the front mounting arm of the side frame with the 13 mm nut.



9. Install each **Surrey Side Frame #10** by sliding the welded bolts through the holes in the **Surrey Base Frame**. *(It might be necessary to bump the side frame into place with a plastic or rubber mallet).* Put the washers and 13 mm nuts on the bolts under the **Surrey Base Frame** hand tight. *It might be necessary to flex the side frame to line the welded bolts with the holes in the base frame. It also helps to start installing the welded bolts into the base frame at the rear working your way to the front.*

10. Repeat step 8 and 9 on the opposite side of the Surrey.

11. Install the **Nose Frame Brace #2** in the center, on the front of the Surrey (The **Nose Frame Brace** has two large 180 degree bends which accommodate the front lights.) The **Nose Frame Brace** will attach in 6 places (two 13 mm nuts, one bolt and nut from each of the side frame pieces and two nuts and bolts that attach the front bumper). Attach the 13 mm nuts and both side frame bolts, leaving all nuts hand tight.



12. Install the **Front Bumper #278** by stabbing both tube ends of the **Front Bumper** into the **Bumper Mounts** on the **Surrey Base Frame**. Mount the **Front Bumper** to the **Nose Frame Brace** with the two bolts and 13 mm nuts.

13. Install the **Rear Frame Braces #13 and 14**. These are single tubes that are slightly bent with a tab with a hole on one end and a bolt welded to the other end. Behind the rear seat, each **Surrey Side Frame #10** will have a flat area with a 14 mm bolt screwed into place. Remove the 14 mm bolt. Insert the proper **Rear Frame Brace** through the **Surrey Base Frame** by sliding the bolt through the hole. Attach the other end of the **Rear Frame Brace** to **Surrey Side Frame #10** by screwing the 14 mm bolt through the tab of the **Surrey Side Frame #10**. *If you purchased the rear Surrey Basket, please see the Addendum at the end of these instructions for a photograph of the assembly.*



Steps:

14. Attach the **Front Fenders #61** to the bumper using the two 10 mm nuts on each **Front Fender**. Next attach the **Front Fender** to the **Surrey Base Frame** on top of the tabs on each side of the **Surrey Base Frame**.
15. Install the **Padded Back Rest Seat #131** by sliding the bolts on the back of the seat back through the each hole on each side frame on the rear of the Surrey. See page 5 if assembling a *Limousine or Stretch Limousine*.
16. Install the **Padded Bottom Seat # 12** by loosening the 13 mm nut on the bolt welded on the inside of each side frame and sliding the **Padded Bottom Seat** over both bolts keeping the washer on the inside of the seat brace. See page 5 if assembling a *Limousine or Stretch Limousine*. See the Surrey Tram Addendum if you purchased a Surrey Tram.
17. Install the **Handle Bar #195** by inserting the small tubular ends into the each of the **Surrey Side Frame #10** mounts (*First remove the keeper bolts with an allen wrench*) A small amount of grease on each small tubular end will help lubricate the insertion into each **Surrey Side Frame #10**. Be careful to remove the bolt, washers and nut from each side of the **Handle Bar** before installing. Make sure that the round barrel through which the nut and bolts mounts clears the tabs on the **Surrey Side Frame #10** as the **Handle Bar** is gently bump into place. (Use a rubber or plastic mallet to bump into place).



18. Examine both black universal joints (u-joints) attached to the **Steering Column #20**. Attach the u-joint with the *single bolt* to the **Rack and Pinion Steering unit** under the front of the **Surrey Base Frame**. Notice both the u-joint and the rack and pinion mount is serrated inside the hole. Tighten the bolt to secure the u-joint. Slide one of the black rubber boots over the top of the u-joint after it is securely tightened to the rack and pinion.



Next, slide the second rubber boot over the remaining (top) u-joint. Slide the (top) u-joint into the top of the steering column and push the steering column down on to the bottom u-joint's square steel mount. Next, after moving the two bolts from the (top) u-joint, slide the u-joint over the Steering Wheel Yoke while pushing the steering column down on to the bottom u-joint. The (top) u-joint has two bolts and attaches to the **Steering Wheel Yoke** under the Handle Bar. The larger bolt pass by the flat area of the Steering Wheel Yoke and tightens securely. The smaller bolt is tightened into the side of the Steering Wheel Yoke to eliminate any movement between the two. Finally, 8 set screws are tightened with a 4 mm allen wrench and the 8 lock nuts are tightened with a 13 mm wrench.



19. Attach the two front **Head Lamps #258** to the **Nose Frame Brace** using the mounting hardware attached to the **Nose Frame Brace** or **Head Lamps**.
20. Using a socket wrench, tighten all hand tight or loose nuts, both 13 mm and 14 mm. **Refrain from over-tightening the bolts, which may cause stripping of the threads or bolt breakage.**



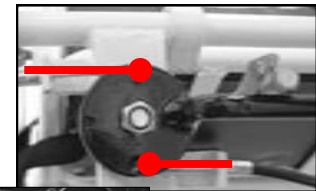
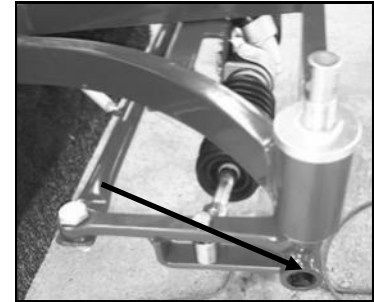
Steps:

21. Install the **Front Wheels #142** by sliding the axles into the round bushings mounted to the tie rods under the **Surrey Base Frame**. Tighten the inside (between the hub and the mounting cone; WD-40 or other oil should be used to oil the axles before assembly) with a wrench as tightly as possible. Next, tighten the large allen head screw on the outside of each hub.
22. Install the **Pedals #50 and 51**. Each pedal has an "L" or "R" on the end of each axle. The L pedal mounts to the arm without the chainring (left side of the crank). The R pedal mounts to the arm with the chainring. Also be careful to not cross thread the pedals by screwing them into the cranks arms at an angle.
23. Elevate the rear of the Surrey by placing it on a bucket or stand. Install the **Brake Cables** by starting at the rear of the Surrey and sliding the **Brake Cable** with the black housing through the **Cable Loop Guides** welded on the **Surrey Base Frame** and **Surrey Side Frame #10**. The end of the **Brake Cable** with the **Barrel, Nut and Rubber Housing** stays at the rear of the Surrey. The opposite end of the **Cable** should be fed through the **Cable Loop Guides**. The ball on the end of the **Cable** should be fed through the guide under the **Steering Wheel** and into the holes in the disk on the **Brake Handle** at the 12 and 6 o'clock positions. Remove the nut on each cable. Slide the **Barrel** with the hole in it through the chrome **Brake Arm** on the **Rear Hub**.

Slide the threaded cable end through the hole in the **Barrel**. Tighten the nut on the **Cable** end against the **Barrel** for proper brake adjustment. Make sure the wheel spins freely when the Brake is not engaged. After both cables are installed pull the black Brake Arm on the Handle Bar. While the brake is engaged have another person attempt to spin the rear wheels. Properly adjust each brake cable so that each wheel has equal brake tension on the rear wheels. With the parking brake engaged, the wheels should not turn at all.

If you have an Easy 7 Speed Package, please refer to page C of the Easy 7 Speed Gearing Package Instructions in conjunction with this step.

24. Install the **Awning Posts Assembly #25** by stabbing the stainless steel posts into the front mounts on the **Surrey Side Frame #10s**. Tap with a plastic or rubber mallet until enough of the stainless post appears in the thread hole (into which the allen keepers screw) so that the allen set screw can tighten. Tighten all set screws and lock nuts. Please see the Limousine Instructions on the next page. See page 5 if assembling a Limousine or Stretch Limousine.
25. Install **Awning Frame #27** with 13 mm nuts. The frame should be installed with the end of the frame with the mounting holes closest to the perimeter of the frame (measuring front the back) installed in the back on the cycle. Put on cloth **Awning**. Secure with the Velcro ties.
26. Install **Child Seat #21** by hooking it on the **Handle Bar**. Use the **Baby Seat Mount Brace** and attaching it to the **Baby Seat** (on the foot loop) and the **Nose Frame Brace**, attaching in both places with the 14 mm bolts.
27. Properly inflate all tires to the tire pressure required on the sides of the tires, no more than 40lbs.



Steps:

31. **Tighten all bolts, nuts, wheels, brakes and set screws!**

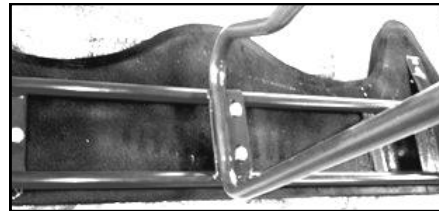
32. **Carefully read the Operating Instructions and Warnings at the end of this manual!**

7 Speed Gearing Package Note:

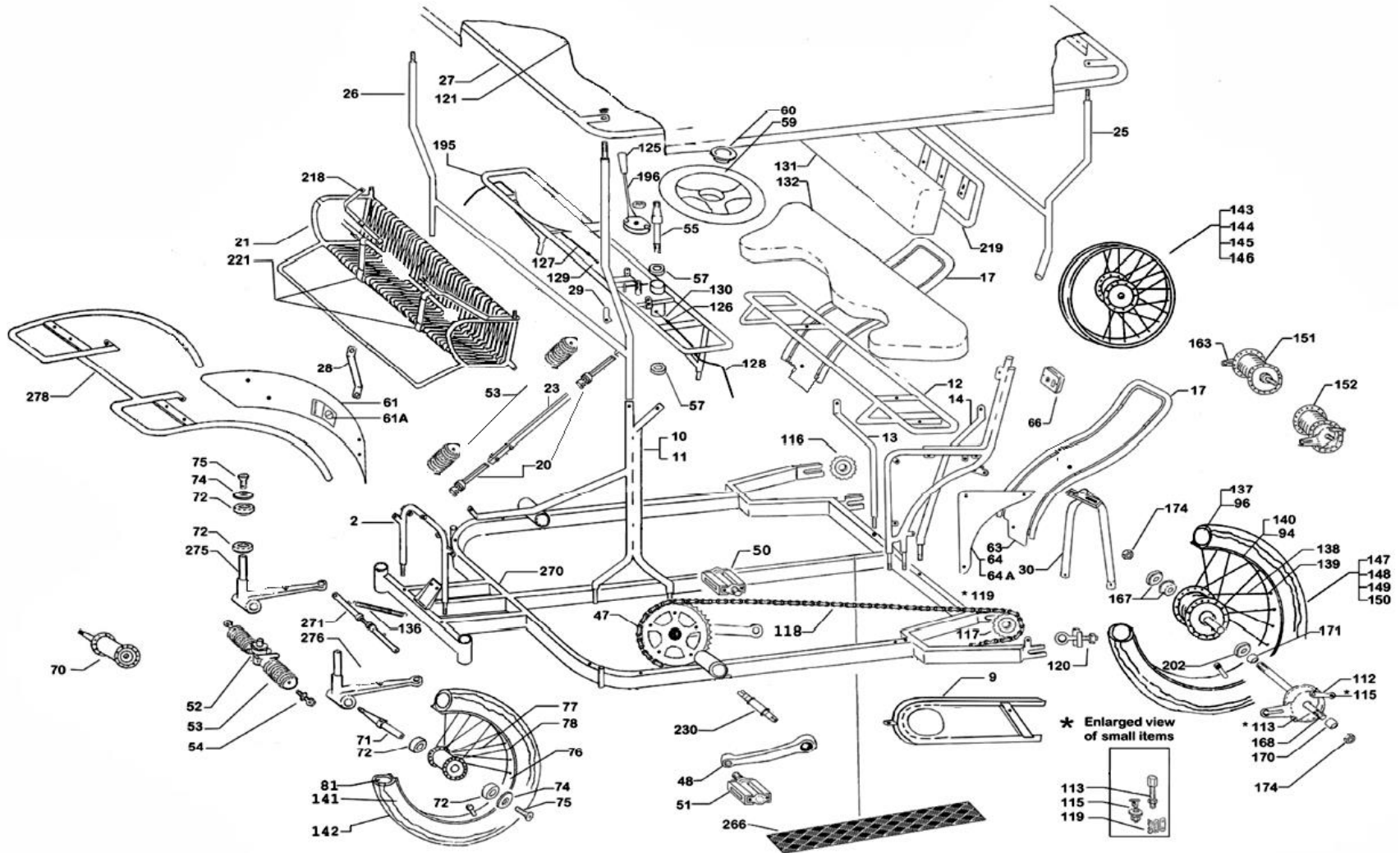
If your Surrey includes the Easy 7 Speed Gearing Option, carefully review the Easy 7 Speed Gearing Package Instructions (later in this manual) to confirm all steps have been followed.

Special Surrey Limousine and Stretch Instructions:

- Attach the **Underseat Brace** (shaped like the first row seat side panel) under the **Padded First Row Back Rest Seat** to the **Base Frame** with the two bolts that slide into the center tube of the **Base Frame**.
- Next install the seat by sliding the bolts on the back of the seat back through the each hole on each side frame on the **Surrey Limousine Side Frames**. This step is repeated again if assembling the Stretch Limousine model.
- Install the **Padded Bottom Seat** by loosening the 13 mm nut on the bolt welded on the inside of each side frame and sliding the **Padded Bottom Seat** over both bolts keeping the washer on the inside of the seat brace.
- Next attach the **Rear Handle Bar** by sliding it over the tube ends behind the **Middle Padded Back Rest Seat**. It may be necessary to put a small amount of grease or oil on the tube ends to facilitate the **Rear Handle Bar** to easily slide over the tube ends. Additionally, it might be necessary to take the **Rear Handle Bar** over the 90 degree bends with a plastic or rubber mallet to bump it down into place. Finally, tighten the set screws and lock nuts on each side.

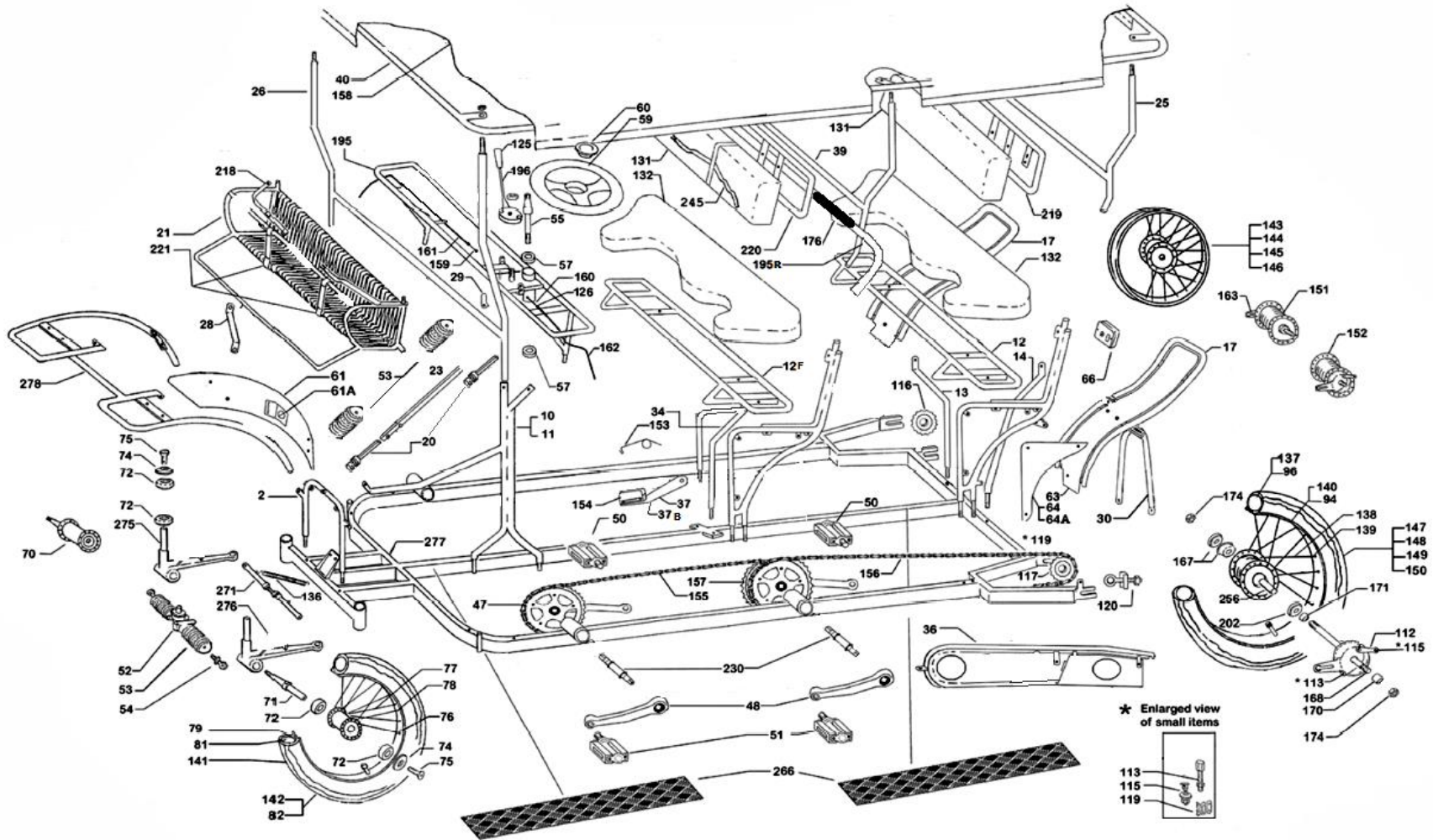


Surrey Diagram



** Actual product may be slightly different than the drawing above as designs change over time.*

Limousine Diagram



* Actual product may be slightly different than the drawing above as designs change over time.

Caution -

Please Read Carefully!

Operating Manual

Operating Manual

Safety First

SURREY

- *Always think safety first!* Operate the Surrey at a safe speed with the driver being mindful of road hazards, other cyclist and approaching automobiles.
- Comply with all bicycle safety standards for operations in your city and state.
- We recommend a licensed driver always be in control of the steering wheel and brake arm.
- We recommend all riders wear a helmet, especially children.
- Obey all traffic laws!
- Be visible; wear brightly colored clothing and a helmet!
- Be predictable and be alert!
- Expect the unexpected and ride defensively!
- Use good, safe equipment! Always check your tire pressure, brake operation and chains before going out on your Surrey.
- Use your Surrey only as recommended! Do not make quick turns, travel at unsafe speeds or collide with other objects.
- Adjust riding to traffic and weather conditions!
- Do not stunt drive! Do not ride on fewer wheels than are on the cycle.
- Be especially cautious with downhill braking. With very steep downgrades, it may be impossible to stop your Surrey in a necessary distance although the braking system meets the highest standards. To avoid possible injury, dismount and walk your Surrey (use the brakes) to the bottom of the grade, if you do not feel secure enough, especially on wet, muddy or gravel roads.
- Use common sense. Avoid heavy motor traffic. Do not weave in and out of moving or stationary automobiles.
- Do not operate the Surrey at night without operable head lights and tail lights switched to the on position and operating.
- Avoid colliding with other Surreys, bike riders and other objects in your path.

SURREY

SAFETY!

- Always be sure, too, that all passengers keep their feet on the pedals at all times when traveling in a forward direction . It is dangerous to remove feet from the pedals during riding. Keep feet, legs, arms and hands away from moving wheels, cranks and chains. *If you need to back up (travel in reverse), everyone on the bench seats should dismount from the Surrey and push it backwards.*
- All passengers should remain seated at all times during the ride and children in the front child seat should remain seated and snugly fastened in behind the safety strap.
- Always use oral commands to alert other in your path of your presence and your intention.
- Closely observe all warning signs and decals on the Surrey bike.
- Only persons tall enough to maintain balance on the seat while pedaling should pedal the Surrey.
- Never hitch a ride from another Surrey or an automobile.
- Use approved hand signals for turning and stopping.
- Operating with improperly adjusted brakes or worn brakes may result in serious injury or death.
- Never ride with headphones. They mask traffic sounds, sirens and may prevent you from concentrating on road hazards.
- Never ride your Surrey while under the influence of alcohol or drugs.
- Never carry anything on the Surrey that obstructs your clear view of the path or roadway ahead.
- Ride on familiar routes while wearing light colored, reflective clothing.
- Do not alter the design of the Surrey or motorize it without manufacturer help.



Failure to follow safety procedures may result in serious harm or death!

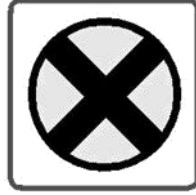
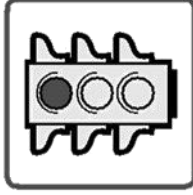
III.

SAFETY!

RIDING SAFETY

General Rules

- When riding obey the same road laws as all other road vehicles, including giving way to pedestrians, and stopping at red lights and stop signs. For further information, contact the Road Traffic Authority in your State.
- Ride predictably and in a straight line. Never ride against traffic.
- Use correct hand signals to indicate turning or stopping.
- Ride defensively. To other road users, you may be hard to see.
- Concentrate on the path ahead. Avoid pot holes, gravel, wet road markings, oil, curbs, speed bumps, drain grates and other obstacles.
- Cross train tracks at a 90 degree angle or walk your Surrey across.
- Expect the unexpected such as opening car doors or cars backing out of concealed driveways.
- Be extra careful at intersections and when preparing to pass other vehicles.
- Familiarize yourself with all the Surrey's features. Practice gear shifts, braking, and the use of toe clips and straps, if installed.
- If you are wearing loose pants, use leg clips or elastic bands to prevent them from being caught in the chain.
- Wear proper riding attire and avoid open toe shoes.
- Don't carry packages or passengers that will interfere with your visibility or control of the Surrey.
- Don't use items that may restrict your hearing.
- Do not lock up the brakes. When braking, always apply the rear brake first, then the front. The front brake is more powerful and if it is not correctly applied, you may lose control and fall.
- Maintain a comfortable stopping distance from all other riders, vehicles and objects.
- Safe braking distances and forces are subject to the prevailing weather conditions.



VIII.

HELMETS, PROTECTIVE GEAR & CLOTHING

A WORD TO PARENTS REGARDING CHILDREN AND HELMETS:

Many states have passed helmet laws regarding children. Make sure you know your states helmet laws. It is your job to enforce these rules with your children. Even if your state does not have a children's helmet law, it is recommended that everyone wear a helmet when cycling. When riding with a child carrier seat or trailer, children must wear a helmet.

We strongly advise that a properly fitting ASTM or SNELL approved, Surrey safety helmet be worn at all times when riding your Surrey. In addition, if you are carrying a passenger in a child safety seat, they must also be wearing a helmet. The correct helmet should be fitted and worn in the manner described by the helmet manufacturer.

Many states require specific safety devices in addition to a helmet. It is your responsibility to familiarize yourself with the laws of the state where you are operating and riding and comply with all such laws, including properly equipping yourself and your cycle as the law and common sense requires.

We recommend that you not ride your Surrey at night. If you choose to ride at night, we strongly suggest you equipment your Surrey with industry standard bicycle safety lights on the front and rear of your Surrey. Also wear bright reflective clothing so that you are easily seen in dark conditions.

Be sure to understand the following common sense safeguards for operating your Surrey, to reduce the risk of personal injury. Parents of minor riders have an obligation to be sure their children understand these safeguards.

- Be sure you understand all the operations of your Surrey.
- Be sure all equipment is properly adjusted, especially your wheels, steering and brakes.
- Obey traffic laws. Cyclists are subject to the same rules as motorists. Know and obey all motor-vehicle, bicycle and traffic laws.
- Use common sense. Slow down for intersections. Do not erratically weave in and out of motor traffic. Watch for parked cars suddenly pulling out, or their doors opening.
- Avoid heavy motor traffic.
- Never carry more persons than your Surrey is designed to carry by the manufacturer.
- Make use of safety accessories and clothing. Wear bright or light colored clothing, or a vest with reflectors, especially at night. Wear shoes and a helmet.
- Always ride defensively. While you may be legally right, in a contest between an auto and your Surrey, the car will come out first.
- Be especially cautious with downhill braking. With very steep downgrades, it may be impossible to stop your Surrey in a necessary distance although the braking system meets the highest standards. To avoid possible injury, dismount and walk your Surrey (use the brakes) to the bottom of the grade, if you do not feel secure enough, especially on wet, muddy or gravel roads.
- Do not stunt ride. Do not use the Surrey for stunt or acrobatic riding, ramp jumping or similar activities.

Warning: Bad weather requires increased breaking distance. On the road with wet, snowy or icy weather conditions, your brakes cannot stop you as quickly as in clement weather conditions. Special precautions must be taken to ensure safe stopping or slowing, and reduce the risk of personal injury. No matter how well your brake system functions, it is your responsibility to exercise special care in such adverse situations. Ride slowly. Be more alert. Apply your brakes sooner than you would under dry conditions.

Warning: Special precautions for night riding. Be sure your Surrey has reflectors or lights required by law on wheels, pedals, front and back. Be sure reflectors are properly adjusted and clean. State or local laws may require that you equip your Surrey with a light system in addition to the reflectors. Wear special reflective clothing or tapes. Reflective clothing as well as tapes for sleeves, backs and pants are available at bicycle stores almost everywhere. Avoid cycling on dark, narrow roads. Never allow children to ride alone at night.

Initial checks on taking delivery

After assembly, carefully check all bolts related to steering, brakes and wheels, and if necessary, adjusted, by a cycle mechanic. Let a cycle mechanic also check and, if necessary, adjust the brakes and the tire pressures.

Have your Surrey serviced regularly

Your vehicle must be serviced by a trained cycle mechanic every 50 to 100 miles.

Take care getting on board

Do not place your feet on the steering rods, the chainguards or the fenders (mudguards). Front-seat passengers must be instructed to keep their feet clear of the steering rods. Should their feet interfere with these rods this may throw the tracking of the wheels out of alignment, and necessitate readjustment. **Make perfectly sure, too, that all passengers keep their feet on the pedals at all times when the vehicle is in motion. It is dangerous to remove feet from the pedals during riding.** If passengers are using the Surrey who are not able to hold their feet on the pedals, like handicapped persons, do care for fixing their shoes on the pedals before you start to ride. The front passengers have a relatively low seating position, such that a passenger might be tempted to put his or her feet on the ground. Should such a careless action take place at speed there will be the danger of an accident with physical injuries.

Dealing with centrifugal force when cornering!

Passengers riding a Surrey for the first time need time to get used to cornering. Start with slow cornering with a minimal slope, so that your passengers can sense how they should position themselves in a curve. If all passengers lean correctly into the curve the vehicle maintains a high level of stability and curving at speed can be great fun. But if they fail to lean correctly, the person steering can lose confidence and control, and can in fact lose control and, in the worst case, allow the vehicle to stray onto the other side of the road, possibly colliding with oncoming traffic. It is therefore very important that you pay particular attention to the behavior of your fellow passengers while cornering and give them clear instructions in this matter.

Where may I ride the Surrey?

The Surrey may generally ride anywhere a bicycle is legal to ride. So avoid hitting hard against roadside curbs. Avoid riding off well-surfaced roads. Avoid potholes. Avoid off-road routes and especially downhill off-road routes. Avoid routes involving going through water and/or exposure to sea salt. Avoid routes with untoward slopes or gradients where you might reach unsafe speeds or need to push the vehicle. You may use cycle paths where they are sufficiently wide, but show respect to other path users. Where cycle paths are not wide enough, you may ride on the road. Also show respect to motorists and let them overtake where possible. Discuss with your passengers before each journey the matter of who will be responsible for giving hand signals so that other road users are not confused by conflicting messages. Good communication is at the very heart of Surrey-riding.

Safety is everything! Ride sensibly!

On the Surrey the person steering bears direct responsibility for him/herself and all other passengers. Ride carefully, anticipating problems, and avoid sudden maneuvers such as unexpected fast turns and unnecessary sharp braking. Bear in mind that the front passengers may well quickly feel unsafe if you cause the Surrey to travel in an erratic fashion. You can best experience this for yourself if you swap places and ride at the front. The Surrey is a pedal cycle, but a very special one.



RULES FOR CHILDREN

To avoid accidents, teach children good riding skills with an emphasis on safety from an early age. Children should be supervised by an adult.

- Many states require that children wear a helmet while cycling. Always wear a properly fitted helmet.
- Do not play in driveways or the road.
- Do not ride on busy streets.
- Do not ride at night.
- Obey all the traffic laws, especially stop signs and red lights.
- Be aware of other road vehicles behind and nearby.
- Before entering a street: Stop, look left, right, and left again for traffic. If there's no traffic, proceed into the roadway.
- If riding downhill, be extra careful. Slow down using the brakes and maintain control of the steering.
- Never take your hands off the handlebars, or your feet off the pedals when riding downhill.
- The Consumer Protection Safety Commission advises that the riding of small wheel diameter bicycles at excessive speeds can lead to instability and is not recommended.
- Children should be made aware of all possible riding hazards and correct riding behavior before they take to the streets.
- Do not leave it up to trial and error.

**ALWAYS WEAR
HELMET!**
Helmets save lives.
Check helmet manufacturer instructions for proper helmet size and fit.

Wet Weather

- In wet weather you need to take extra care.
- Brake earlier, you will take a longer distance to stop.
- Decrease your riding speed, avoid sudden braking and take corners with additional caution.
- Be more visible on the road.
- Wear reflective clothing and use safety lights.
- Pot holes and slippery surfaces such as line markings and train tracks all become more hazardous when wet.

Night Riding



IT IS RECOMMENDED TO NOT RIDE AT NIGHT

Check your local laws regarding night riding; Many areas require the use of lights for night riding in addition to a full set of CPSC compatible reflectors. The manufacturer recommends you do not ride at night. However, if you do:

- Ensure bicycle is equipped with a full set of correctly positioned and clean reflectors.
- Use a properly functioning lighting set comprising of a white front lamp and a red rear lamp.
- If using battery powered lights, make sure batteries are well charged.
- Some rear lights available have a flashing mechanism which enhances visibility.
- Wear reflective and light colored clothing.
- Ride at night only if necessary. Slow down and use familiar roads with street lighting, if possible.

VII.

RIDING SAFETY

General Rules

- When riding obey the same road laws as all other road vehicles, including giving way to pedestrians, and stopping at red lights and stop signs. For further information, contact the Road Traffic Authority in your State.
- Ride predictably and in a straight line. Never ride against traffic.
- Use correct hand signals to indicate turning or stopping.
- Ride defensively. To other road users, you may be hard to see.
- Concentrate on the path ahead. Avoid pot holes, gravel, wet road markings, oil, curbs, speed bumps, drain grates and other obstacles.
- Cross train tracks at a 90 degree angle or walk your bicycle across.
- Expect the unexpected such as opening car doors or cars backing out of concealed driveways.
- Be extra careful at intersections and when preparing to pass other vehicles.
- Familiarize yourself with all the bicycle's features. Practice gear shifts, braking, and the use of toe clips and straps, if installed.
- If you are wearing loose pants, use leg clips or elastic bands to prevent them from being caught in the chain.
- Wear proper riding attire and avoid open toe shoes.
- Don't carry packages or passengers that will interfere with your visibility or control of the bicycle.
- Don't use items that may restrict your hearing.
- Do not lock up the brakes. When braking, always apply the rear brake first, then the front. The front brake is more powerful and if it is not correctly applied, you may lose control and fall.