REAR WHEEL DRIVE BIKE ASSEMBLY

INTRODUCTION

KEISER CORPORATION has always taken pride in designing and engineering the highest quality equipment on the market. This means that you will receive years of low maintenance and minimal repairs from every one of our bikes. Only the highest quality products have the KEISER name on them.

This manual was written with the customer in mind. It will assist you in the assembly of the KEISER Rear Wheel Drive Bike. Since we always find ways to improve our products, parts and machine designs are subject to change without notice. If you have any questions, please call our service department at **(800) 888-7009**.

WORD DEFINITIONS

SAFETY CAUTIONS and WARNINGS:
We've put a number of safety cautions in this book. We use the word ***Caution!*** to tell you about things that could cause bodily injury to persons on or around the equipment if you were to ignore the following instructions, and the word ***Warning!*** to ensure the proper installation of components and that the instructions are followed for the safety of the users and for maximum machine life or the warranty is void.

HINTS:
We use the word ***Note!*** in this book to tell you about things that we recommend you doing or things to be aware of before performing the instructions. These notes were placed in the manual to aid you during a certain procedure.

Caution

The unit should only be operated with the chain cover guard fitted correctly, as supplied. Children in the area and users are vulnerable to injuries to fingers if the unit is used without the chain cover guard.

Warning!

Failure to follow the assembly or operation instructions as provided by this manual or any other instructions pertaining to the assembly and/or operation of KEISER equipment will result in voiding the warranty and could lead to serious injury.

KEISER Rear Wheel Drive Bike
ASSEMBLY INSTRUCTIONS

Tools needed for assembly: **Torque wrench (0-90 ft-lbs.)**
5/8 inch open-end wrench
#2 Phillips screwdriver
Paste or Spray wax (not provided)
Clean cloth

A. Unpack

1. Remove the following contents from the packing box:
    a) Handle bar Assembly
    b) Base frame
    c) Main frame
    d) Pedals

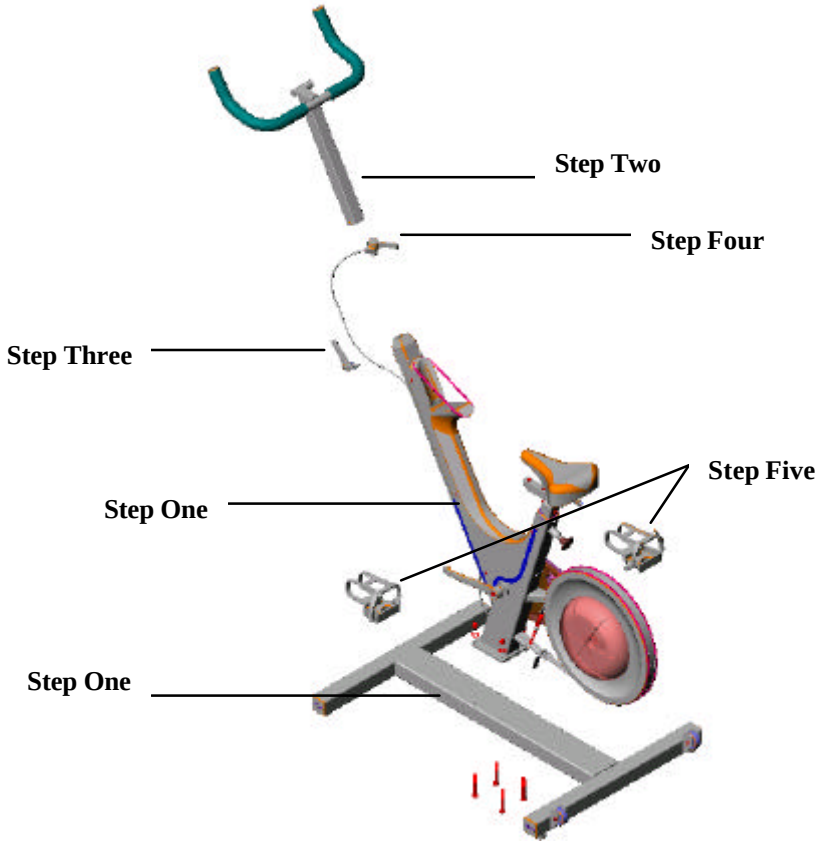
   The following are packaged in a plastic bag:
    e) Set of 4 Bolts, 4 Acorn Nuts and 8 Washers
    f) Handle Stud Assembly
    g) Loctite 242
    h) 1 paper clip
    i) 2 plastic dowels (one shorter than the other)

2. Carefully remove the bike from the cardboard box, and check to make sure all of the parts are present and are not damaged.

B. Waxing

Tools Required: Paste or spray on wax and a Clean cloth

1. Prior to assembling the main frame and base frame assembly, a coat of paste wax ***must*** be applied. This will help protect the powder coating paint on the frame.
2. Apply the wax in accordance to the wax manufacture's instructions. We recommend a paste or spray on carnuba wax, such as Turtle Wax®.



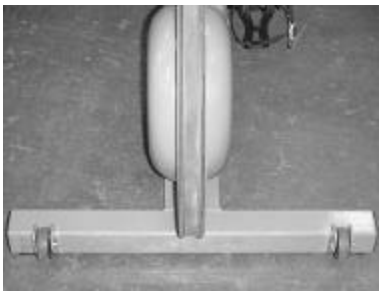
Step One: Mount Main Frame on Base Frame

Tools required: four bolts, eight washers, and four acorn nuts, torque wrench, 5/8" wrench, 5/8" socket

Place the four washers on the bolts, and place the bolts in the holes on the base frame. Put a stack of cardboard between the bolts and the floor. This will protect the floor, while preventing the bolts from backing out as you place the main frame on the base frame.

Peel the top layer off of the adhesive strip on the base frame. Use the bolts to guide the main frame into the correct position onto the adhesive. ***Note: failure to correctly align the main frame on the adhesive may result in the tearing of the adhesive while trying to correctly reposition the main frame.***

The Base Frame has a front and rear. The rear of the Base Frame has caster wheels. Place the Main Frame behind the Base Frame; use the flywheel to roll the Main Frame up onto the Base Frame. The flywheel should be situated between the rear caster wheels.



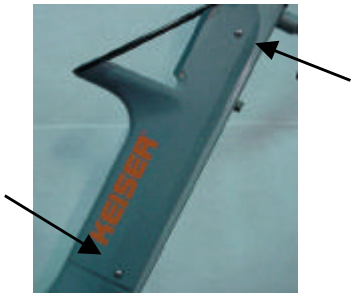
rear

Start one bolt by placing a washer and then the acorn nut loosely onto the bolt. Place washers and acorn nuts on the remaining three bolts. When all are in place, hold the nut in place with the socket, and tighten acorn nuts with a 5/8" torque wrench to 35 ft-lb.

Step Two: Slide in handle bar

Tools required: Phillips screwdriver, paper clip

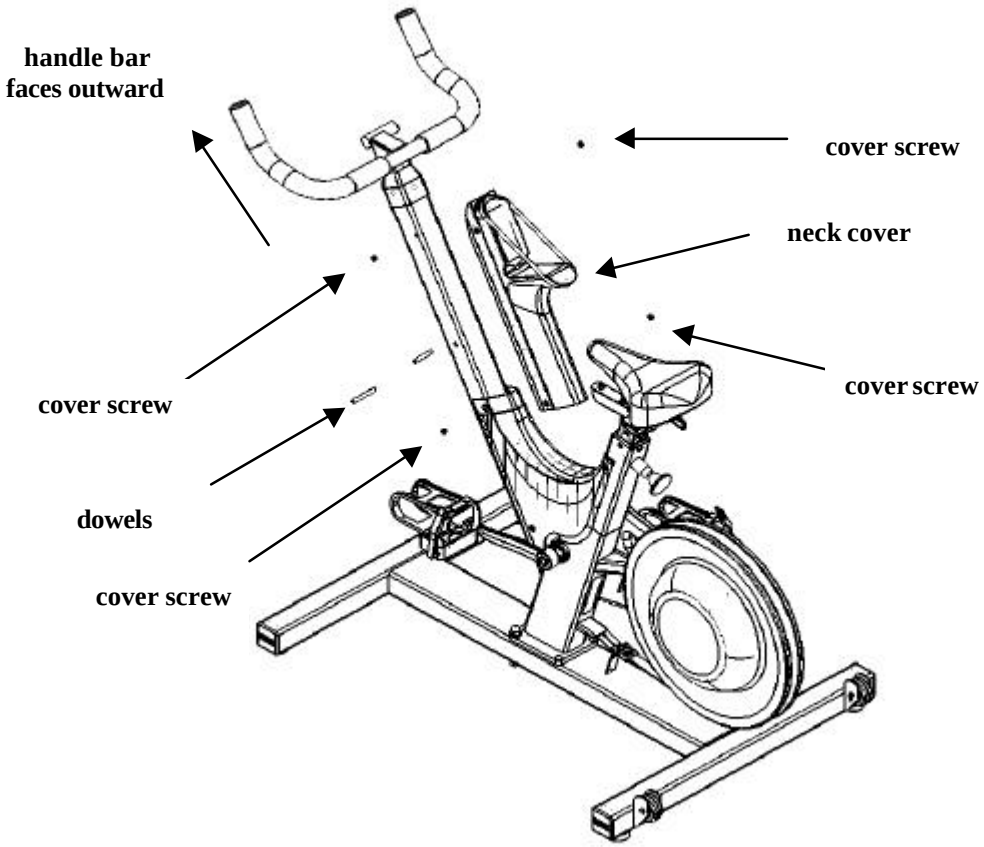
Remove the four screws from the plastic cover on the upper portion of the neck of the bike frame. Slide in the handlebars with the bars pointing away from the seat.



Neck with cover

Neck without cover

Straighten out the paper clip. The paper clip will be used to support the dowel as you insert it through the holes in the handle bar. Line up the holes of the handle bar with the holes in the neck of the bike frame. ***Note*: there are two different lengths of dowels. If the wrong length is used, the handlebar will not move.** Take the shorter of the two white plastic dowels, and insert it in the hole in the neck closest to the base of the bike. Be careful to insure that the dowel has passed through both holes of the handle bar tube. Use the end of the paperclip to push it all the way into the handle bar.



Pull the handle bar up, and then use the paper clip to insert the longer of the two dowels in the same hole as the first dowel. Replace the plastic cover on the neck and make sure the cover is snapped in correctly before replacing the four screws. ***Warning: You only need to make the screws snug – do not overtighten, as it may cause the plastic on the neck cover to crack.***

Step Three: Attach handle stud assembly on neck

Screw in the handle stud assembly clockwise on the front of the bike neck.

Step Four: Attach Shifter

Tools required: Phillips screwdriver

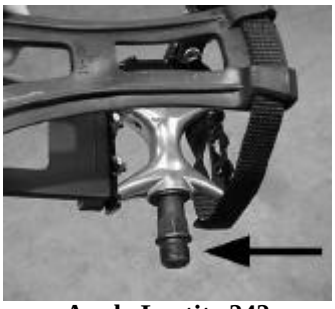
Take the cable to the resistance shifter and raise the shifter to the top of the handlebars. Slide the shifter on with the resistance handle on the right-hand side with the cable running down the front side of the handle bar. Use a Phillips screwdriver to screw the shifter into place. Tighten the screw until it is snug – do not overtighten.

Step Five: Attach Pedals

Tools required: Loctite 242, torque wrench

The right side pedal (side with chain) has right-hand threads (clockwise rotation) and the left side pedal has left-hand threads (counter-clockwise rotation). Most pedals are marked indicating which pedal is for the left side (marked with an "L") and right side (marked with an "R"). Apply a small amount of Loctite 242 to the thread of the left pedal and attach the pedal to the crank arm. Be careful not to cross the threads. Pedal should be tightened (counter-clockwise) with the torque wrench to approximately 35 ft-lb. ***Warning: Failing to install the crank arms with Loctite 242,***

or crossing the threads will ruin the crank arms and void the warranty. In no case should the pedals be left loose on the crank arms as the pedals may pull out of the crank arms damaging them and causing serious injury.



Apply Loctite 242

Place the Loctite 242 on the thread of the second pedal, place it on the right-hand crank arm, tighten clockwise finger tight, and finish with a torque wrench by tightening to 35 ft-lbs.

Maneuvering and Storing Bike

To maneuver the bike stand behind it, grab the nose of the seat, and pull back until the flywheel touches the floor. Use the handlebars to steer the flywheel. The bike is stable in this position, and can be left resting on the flywheel.