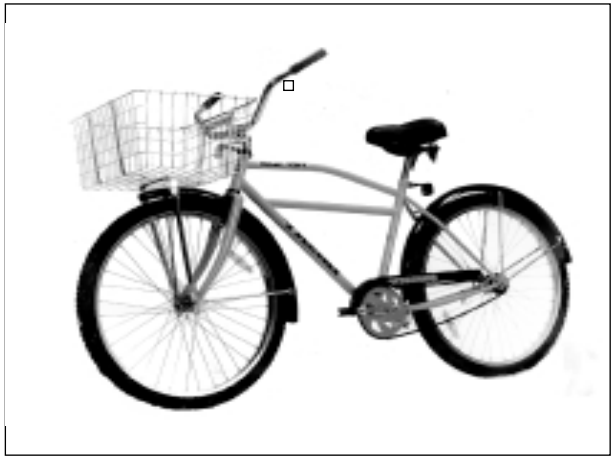


OWNER'S MANUAL

Model HD-105 / HD-120 Bicycles

Table of Contents

Introduction

Congratulations on you purchase of your new Husky industrial bicycle. You have purchased a bicycle that has many features and qualities. Please take a few minutes and read through this manual before you ride your bicycle for the first time. Learning about this product and safe riding and maintenance will return many years of enjoyment and useful life.

Throughout this manual, there are several important safety notes, which we recommend you read very carefully. Riding a bicycle is a sport, and like many sports, it involves taking the risk of injury and damage. Since most injuries result from unsafe riding or lack of proper maintenance, this manual focuses on helping you learn about safe riding and how to keep your bicycle in good riding condition.

This bicycle is designed for business and commercial use. The performance and life of this product vary based on usage, riding surface condition, environment, and carrying load weight. Proper maintenance, regular inspection and replacement of worn-out components will not only enhance the useful life and performance, but also will enhance the safety to rider.

WARNING!

Cycling can be a hazardous activity. You are responsible for safe riding and proper maintenance of your bicycle. Failure to observe the safety rules and warnings throughout this manual may result in property damage, personal injury or death.

SPECIFICATIONS

Model		**HD-105, HD-105L, HD-120**
Frame Size		HD-105L (16”), HD-105/120 (19”)
Wheel Size		26 x 2.125”
Minimum Height		37” Ground to Saddle Top
Maximum Height		45” “ “
Length		68”
Width		26”
Frame		Hi Tensile Steel
Fork		Steel tubing with cast steel crown
Rims		**Aluminum or** steel 26” x 36-spoke
Spokes		HD-105: 12-gauge UCP
		HD-120: 11-guage UCP
Hubs -	**Front**	3/8" axle steel
	Rear	Shimano® E-110 Coaster Brake
Brakes		Shimano® Coaster Brake
Drive Mechanism		Single Speed
Sprockets	**Front**	42T 3mm Chrome Plated
	Rear	18 or 20T
Rear Drive Axle		15mm Solid Steel
Chain Type		1/2 x 1/8 Heavy Duty
Chain Guard		Full Length Steel Black
Crank		165mm one-piece forged steel CP
Crank Bearings		12-ball #66
Handlebar		26"-wide chrome plated Steel
Handlebar Stem		Steel 22.2mm
Saddle		Husky anatomic large cruiser
Tires		26x2.125 balloon, all black
WEIGHT CAPACITY		HD-105: 350 lbs including cargo
		HD-120: 450 lbs including cargo
Gross Weight:		HD-105: 44 lbs
		HD-105L 40 lbs
		HD-120: 48 lbs

MODEL HD-105/120 COMPONENTS

SAFE RIDING RECOMMENDATIONS

Good Sense Safety Tips
Whether you use your bicycle for business or pleasure riding, your safety should always be your #1 concern. Here are some of the general common sense rules you should observe:

ALWAYS WEAR A SAFETY HELMET - In a work place, we recommend wearing a helmet or hard hat while riding your bicycle. Make sure your helmet meets or exceeds ANSI and Snell safety standards. Look for standard certification label inside the helmet. RIDING WITHOUT A HELMET MAY RESULT IN SERIOUS INJURY IN THE EVENT OF AN ACCIDENT.

KNOW ALL THE COMPONENTS OF THE BICYCLE AND THEIR FUNCTION - In the next section of this manual, we have listed all the components and their functions. Read this section and familiarize yourself with these parts.

LEARN BIKE RIDING THOROUGHLY BEFORE RIDING ON A PUBLIC ROAD OR STREET - Riding a bicycle requires balancing and coordination skills. You need to learn the basic concept of riding and familiarize yourself with special handling and riding techniques that are unique to this type of bicycle. Due to weight and size of these models, the condition of the surface on which you ride your bicycle affects the performance of your bicycle. You must learn to handle the bicycle in different surface conditions. Try riding the bicycle in low speed, steering the handlebar and experiencing the performance in different maneuvers.

FAMILIARIZE YOURSELF WITH LOCAL AND STATE LAWS AND ORDINANCES - If you plan to ride your bicycle on the streets or public trails or bike routes, you must learn about the laws regulating bicycle riding as well as minimum safety equipment required. Most states and cities require the use of hand signals by all bicycle riders. Learn these signals and use them every time you are riding on a road or street.
ALWAYS RIDE SINGLE FILE ON A ROAD OR STREET.
If you plan to use bicycle in a work place where other workers and vehicles are present, we recommend you install safety devices such as horn, light, bell, mirror, and safety flag. Depending on the situation, you may need one or more of these safety devices so that you can alert others of your presence. Please contact your HUSKY dealer if you need more information on safety accessories.

CHECK YOUR BICYCLE BEFORE YOU RIDE to make sure it is in good working condition. Check the air pressure, ride the bike for a few minutes and check the brakes and other safety equipment.
NEVER USE HEADPHONES OR DEVICES THAT MAY IMPAIR YOUR HEARING ABILITY WHILE RIDING A BIKE - In many states it is illegal to use headphones while riding a bicycle.

SAFE RIDING AT NIGHT

We do not recommend riding your bicycle at night. If you have to ride at night, please follow these rules:

LIGHTS - You should equip your bicycle with a high quality bicycle head light for the front, usually mounted on the handle bar, and a blinking red light mounted on the rear, normally below the saddle.

REFLECTORS - Your bicycle is equipped with a set of reflectors, mounted on the front and rear as well as on the wheel spokes. Your bicycle should reflect light from all directions. Make sure your reflectors are clean and mounted correctly. Please refer to Standard Parts and Component section of this Manual for more information about the reflectors. Your bicycle also comes with reflector-mounted pedals.

REFLECTIVE GEAR - We recommend you use additional reflective gear such as reflective safety vest, reflective helmet, or safety flag. Always wear light color apparel when riding at night.
Remember, the objective is to see and be seen at distance when riding at night.

SAFETY FLAGS - Safety flags are excellent for riding in high traffic areas. Mounted on the rear axle and extending about 6 feet above the ground, they allow others to spot a rider from far distance. Safety flags are available at your HUSKY dealers.

SAFE RIDING IN WET CONDITIONS

You never know when you may get caught in a rainstorm or an afternoon summer shower. If you ride your bicycle in your work place, you may run into wet or slippery spots from time to time. Here are a few tips to help make riding in wet or slick condition safer:

RIDE SLOWER - Your brakes performance is greatly reduced in wet conditions. Lower speed helps you control the bike if you have to make a sudden brake. If you live in an area where there is frequent rain or showers, you may want to consult with your bicycle dealer about using tires more suitable for wet conditions.

SPECIAL NOTE ON REAR COASTER BRAKE - Your bicycle is equipped with a rear coaster brake (foot brake). It is important that you minimize the chances of your foot slipping off the pedal when braking. Do not ride in standing position in wet condition. Wearing shoes with non-slip rubber soles or use of non-slip pedals is highly recommended for areas with high rate of precipitation.

ENHANCE YOUR HANDLEBAR GRIP - The handlebar is the primary control component of your bicycle and you must be sure you have a firm

grip of the handlebar in all conditions. Using gloves when riding your bike helps minimize loss of grip in wet conditions.

FENDERS - HUSKY offers fenders as standard equipment for most of its products. Fenders protect the rider from water and mud splashes.

SAFE RIDING ON STREETS

LEARN ABOUT YOUR STATE AND LOCAL BICYCLING LAWS - You should obtain a copy of your local and state bicycling laws. Many bike shops have a copy of the laws. You can also obtain a copy at your nearest highway patrol office or your area cycling club. Learn these laws thoroughly; they can save you life.

DO NOT RIDE AGAINST TRAFFIC - Stay as far right as possible and allow room for cars to pass you as easily as possible. Try avoiding two-lane roads with narrow shoulder or highways with high traffic.

RIDE DEFENSSIVELY - Always give right of way to autos, and never get into a contest with an automobile driver. Be on the look out for cars coming into the road from driveways, parking lots, or side streets. Make an eye contact with the driver to make sure he/she can see you.

WATCH FOR PEDESTRIANS - Use your horn or bell to make sure pedestrians can hear you are coming or passing from behind.

WATCH OUT FOR ROAD HAZARDS - One of the most common road hazards are pot holes, cracks in the asphalt or concrete pavement railroad tracks, and objects such as rocks, wires, tree limbs, or sand and loose gravel. Any one of these hazards can cause you to lose control. If necessary, dismount and walk your bike over or around the hazard. Do not ride on railroad tracks.

BE CAREFUL AROUND PARKED CARS - When approaching parked cars, be on the look out for people getting in or out of parked cars. Allow a safe distance between your bike and parked cars with passengers to avoid possible collision with open doors.

OBEY ALL TRAFFIC SIGNS - Stop at stop signs, red lights, and yield signs. Use hand signals when turning or stopping.

DO NOT HITCH A RIDE ON A BIKE - Never hold on to another vehicle in order to hitch a ride.

Cargo Carrying Recommendations

CARRYING CARGO - Your Husky bicycle is designed to carry light cargo. **Weight distribution of cargo is very important.** Do not stack cargo too high. Whether you use a basket, or carrier rack, make sure that the weight is not hampering your control of the bike. Spread the load evenly in the cargo area and secure all loose parts or boxes. Basket liners help keep small parts and objects from falling through the basket. Your HUSKY dealer can assist you in choosing a basket liner to fit your basket.

Do not attempt to jump a curb or a speed bump. Riding on uneven surface or jumping curb may damage the frame or fork, especially when your bicycle is loaded.

WARNING!

Avoid roads or ramps with steep downhill. When riding down a ramp or hill, exercise extreme caution and slow down, using your foot brake.

Avoid sharp turns at high speeds.

CAUTION ABOUT BICYCLE ASSEMBLY

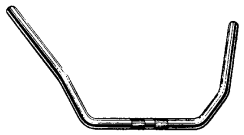
Your bicycle is shipped from factory 60% assembled. For your safety, we recommend that you purchase this product fully assembled. The price you pay for this bicycle may include assembly. Most authorized Husky dealer can perform full assembly and initial adjustments free of charge. If there are no authorized Husky dealers in your area, any bicycle mechanic can perform the installation for a small charge. Almost all dealers provide free follow up adjustments after you have used your bicycle for a few weeks. Take advantage of their services and expertise.
Along with this manual, you will find an **ASSEMBLY GUIDE**. This guide is prepared for experienced mechanics to assist them through the assembly process. The guide assumes that the person performing the assembly has the basic knowledge of bicycle assembly and adjustments.

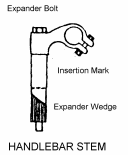
FRAME AND FORK

Your HUSKY bicycle is classified as an "adult bicycle", suitable for riding on paved or hard packed dirt surfaces. Because of the special design of the frame and fork, this product offers maximum comfort at lower speed. The frame and fork is not designed for racing, jumping, riding over rough terrain, or climbing steep hills. Heavy use of the bike in highly corrosive environments such as coastal areas, chemical plants, refineries, etc. requires frequent inspection of the frame for signs of corrosion, fatigue, dents, bends, or cracks. If you see any such signs, have your dealer inspect these components immediately and stop riding the bicycle until the dealer can verify that it is safe to ride.

HANDLEBAR AND HANDLEBAR STEM

The handlebar is designed so that you can enjoy riding your bicycle without having to bend or lean forward, thus reducing pressure on back and neck muscles. The position of the handlebar can be adjusted to raise or lower the grip for maximum comfort.





HANDLEBAR STEM

The handlebar is one of the most important components of your bicycle. A damaged handlebar can affect your control of the bicycle. You should inspect the bar for any sign of fatigue, rust, crack or dents.
The handlebar must be securely attached to the handlebar stem. The stem is attached to the fork steer tube by a stem wedge bolt. To adjust the height of the handlebar, loosen the wedge bolt by turning the center bolt using a 6mm Allen or a 13mm box wrench about 3 or 4 turns. Using

a rubber mallet, tap the loosened bolt down to release the wedge from the steer tube. You can now raise or lower the stem to the desired height.

CAUSION: Never raise the stem beyond the maximum level (insertion mark) stamped on the stem.

The stem is clamped to the handlebar, with a stem binder bolt. The bolt must be tight enough to avoid twisting of the bar. You can adjust the angle of the handlebar by loosening the binder bolt, twisting the bar to the desired angle.

HEADSET

The headset is a very important part of the steering mechanism of your bicycle. It distributes weight to the fork and frame evenly and allows the fork to pivot inside the frame's head tube freely and with minimum friction. A typical headset consists of two sets of ball bearings, two bearing cups attached to each end of the frame's head tube, bearing cones - one stationary and the other an adjusting cone, a key washer, and a lock nut.

Take the following steps to make sure the headset is operating correctly:

1. Hold the handlebar tightly and in straight position. Rock the bike side-to-side, and forward and backward and check for any rattling or sounds coming from the bearings. If you hear rattling or observe loose bearings, **AVOID RIDING THE BIKE**, until a bicycle technician can make the proper adjustments using special headset tools.

2. If the steering mechanism is too tight or you feel resistance when making turns, the headset may be too tight or the bearings are worn out or need lubrication.

Special headset wrench is needed to adjust the headset. Contact your HUSKY dealer for more information on the right size wrench for your headset.

SADDLE AND SEAT POST

The saddle is attached to the seat post with a seat clamp. The clamp's binder bolt must be tight in order to prevent any movement of saddle while riding. The clamp's mechanism allows for the saddle position to be adjusted. Once you adjust the saddle's nose position for your maximum riding comfort, you should not need further adjustments.

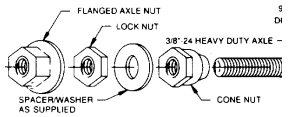
The saddle's height can be adjusted by loosening the seat post binder bolt located on the frame's seat tube. To adjust the saddle height, twist and pull the seat post up to the desired point and tighten the binder bolt, making sure that the saddle's nose is straight.

CAUSION: Do not raise the seat post above the maximum height stamped on the seat post. If the maximum height is not marked or not visible, make sure that at least 2-1/2" of the post remains inside the seat tube. Failure to observe the maximum height may result in serious injury, death, or damage to the bike.

WHEELS, TIRES & TUBES

It is important to check the condition of your wheels and tires frequently. About 70% of the overall performance of the bike depends on the condition of the wheels and tires.

Inspect the wheels for visible signs of corrosion, dents, broken spokes, loose spokes, and wobbling. If a wheel wobbles during a ride or has gone out of round, you may need to "true" or replace the wheel. Truing a wheel is a complicated procedure and is best performed by experienced bicycle technicians. If you observe a loose spoke, you can tighten it by using a spoke nipple wrench. Spoke wrenches are available in different sizes and types. The size of the wrench depends on the gauge of the spoke. You can buy spokes from bicycle shops. Wheel axles may also become loose over time. Make sure that the axle nuts binding the wheel to the fork are tight. Also check for any movement of axle inside the hub body. Axle bearings may need replacement or bearing cones may need adjustment.



Components of front hub axle (bearings not shown)

Check your tires by observing any cuts, cracks on the side wall, air pressure, and amount of wear on the thread. A worn-out tire is not safe for riding and is more vulnerable to road hazards.

To prolong the life of the tires, keep the tire inflated with at least 25 PSI of air when the bike is being stored or not used. It is best to keep the tires off the ground in storage. If tires are left flat on the floor, the weight of the bike will press the tire and tube and will cause cracks on the tire's sidewall.

To inflate the tire, read the recommended pressure on the sidewall and do not exceed the level indicated. Use a hand or foot pump suitable for bicycles. **CAUSION: Do not use a high-pressure air compressor**

normally found at auto service stations as the high pressure may cause a blow out.

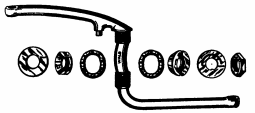
Check the tire pressure using a pressure gauge specifically made for bicycles. Automotive pressure gauges may not be suitable for bicycles. When airing the tire, stop and make sure that the tire bead is properly seated in the rim. If any part of the tire is not seated well, let some air out, squeeze the sidewall while pressing the tire into the rim.

PEDALS

Your bicycle is equipped with a set of pedals. Pedals should spin freely around the center spindle, which is attached to the crank arms. If pedals fail to spin or the spindle is not tightly attached to the crank arm, do not ride the bike until the pedal is secured to the crank arm.

CRANK SET AND BOTTOM BRACKET

The crank set and bottom bracket is the main driving component of the bicycle. To check the crank for condition, have someone lift the rear end of the bicycle. You should be able to crank the bike and spin the rear wheel with one hand. If you are not able to crank using one hand or you feel too much resistance, or if the crank wobbles inside the bottom bracket, you may have a component failure in your drive system. Have the bicycle inspected at a bike shop. **CAUSION: Keep your hands and fingers away from the spinning wheel, the moving chain, or the sprockets at all times to prevent injury.**



CHAIN AND CHAIN GUARD

The chain is the link between your crank set and the rear wheel. When riding your bicycle, the chain is under constant pressure and tension. If the chain is too loose, it may jump off the sprocket and break the link between the crank set and rear wheel. If the chain is too tight, it may warp the crank set, or come apart. A broken chain can become tangled in the rear wheel and cause damage to the bike or serious injury. Have a technician inspect the chain regularly.

The chain guard protects your legs and clothes from contact with moving chain and sprocket. If the chain rubs against the chain guard or you hear rattling, you can adjust the position by loosening the anchor bolts or slightly bending the chain guard.

COASTER BRAKE

Your bicycle is equipped with a foot operated coaster brake. Coaster brakes provide safe braking by using reverse force of the legs. Maximum braking power is achieved in the 3 and 9 o'clock pedal positions. Coaster

brakes are maintenance free and need no adjustment. If you have difficulty braking or using your coaster brake, take your bike to a bike dealer for inspection. The coaster brake arm is attached to the frame with a bolt and nut. For the coaster brake to perform, the arm must be secured tightly at all times. **INSPECT THE COASTER BRAKE ARM ATTACHMENT REGULARLY FOR TIGHTNESS OF THE BOLT AND NUT.**

BASIC MAINTENANCE

You have made a wise decision on purchasing a HUSKY bicycle. To make sure that it stays in good condition for many years of service and riding pleasure, we suggest the following:

CLEANING AND LUBRICATION

Keeping your bicycle clean not only enhances the appearance of your bike, but also helps maintain the performance of vital components. The following is the recommended procedure for cleaning your bike:

1. Do not wipe off dry dirt or mud as it can scratch the painted surface. First wet your bike thoroughly with clean water, and then wipe off dirt with a sponge or cloth.
2. Remove loose dirt on the gears, chain, hubs and wheels.
3. Wipe off wet parts with a clean dry cloth.
4. Excess grease or gum deposits on chain and sprockets can be cleaned using chain cleaning fluids and degreasers available at your Husky dealer.

   All moving components of the bike require lubrication. Certain components such as headset, bottom bracket, and hub bearings should be taken apart by an experienced bicycle technician and lubricated with special bearing grease. Oil or other lubricants for such parts should not be used.

   You can lubricate the chain using special chain lubricants available at your authorized HUSKY dealer. Refer to the lubricant manufacturer's instructions for proper application.

SCHEDULED MAINTENANCE

If you a do-it-yourselfer, possess technical skills, and have the proper tools for repair or maintenance of your bike, you can perform most basic routine maintenance such as lubrication, tire/tube maintenance, adjusting chain tension, and tightening loose nuts and bolts. We do recommend that you take your bicycle to an authorized HUSKY dealer for all major

adjustments, wheel alignment and truing, component replacement, tire repair or replacement.

If you ride your bicycle for more than 20 hours a month, we recommend that you follow a regular inspection and maintenance schedule. Consult with your authorized HUSKY dealer for a maintenance schedule that fit your riding style and time.

FIXING A FLAT TIRE

There will be a time when you need to fix a flat tire. You can either take the bike to a bicycle shop or fix the flat yourself. You can fix a flat following these simple steps:

TOOLS NEEDED: 2 tire levers, one frame mounted bicycle pump, axle nut wrench, a rag or cloth, and a tube patch kit.

1. Remove the wheel with a flat tire. If you are removing the front wheel, you will need to disconnect the front brake cable and brake arm from the fork.
2. Open the valve and squeeze the remaining air out of the tube. To open the valve, using a small screwdriver or tip of a tire lever, press on the valve pin.
3. Loosen the tire bead from the rime by squeezing the flat tire and pushing it inward. Repeat this all around the tire, making sure that the bead is loose.
4. Pry one side of the tire bead up over the edge and insert the tire lever under the bead by about 1/4". **DO NOT USE ANY LEVERS WITH SHARP POINTS SUCH AS A SCREW DRIVER OR A KNIFE.**
5. Pull the tube from under the tire, leaving the tire on the rim. If you are on the road with a flat tire, we recommend you carry a spare tube with you. It is much more convenient. You can patch the flat tube later when you get back home and keep it for later use.
6. Follow patch kit's instructions for patching the leak. Inflate the tube before putting the tube back to check for any other leaks. If no other leaks are found, deflate the tube. Dismount the tire from the rim. Rub your hand around the inside of the tire to find the cause. Check the rim for any damage or sharp objects. Wipe the rim and inside the tire clean.
7. Work one side of the tire over the edge of the rim. The other side should hang out. Inflate the tube slightly to form a round shape. Start working the tube under the tire by first inserting the valve into the valve hole.
8. When the tube is mounted over the rim and under one side of the tire, try pushing the other side of tire bead over the edge of the rim. Once you reach the last 2 inches use the palm of your hand to slide the rest of the tire over the rim. Try not using the tire lever at this time as the lever can pinch the tube and cause a puncture. Most tires can be mounted on the rim without the use of a tool.

9. Check the bead of the tire and make sure you do not see any part of the tube left out or pinched under. The bead must be seated within the wall of the rim.
10. Inflate the tire by pumping 4 or 5 strokes. Check the tire seating and make sure the bead is not hanging out of the edge of the rim.
11. You can now inflate the tire to the proper pressure indicated on the sidewall. If you do not have a pressure gauge, inflate until you cannot press the tire in more than 1/8".
12. Screw the valve cap on the valve and install the wheel back on the bike. When installing the front wheel, make sure that the wheel is centered on the fork as you tighten the axle nuts.

HUSKY LIMITED WARRANTY

Husky models HD-105, HD-105L, and HD-120 are warranted to be free from defects in materials and workmanship with the following limitation:

TIME PERIOD

This warranty covers defective parts, materials, and labor for a period of one year from the date of original retail purchase. **Proof of original retail purchase from an authorized HUSKY dealer is required on all warranty claims.**

EXCLUSIONS

This warranty does not cover:

- Normal wear and tear to parts and components,
- Damage to the bicycle caused by casualty, accident, misuse, neglect, abuse, improper assembly, improper repair, modification of any parts and components, or failure to follow the instructions in this manual.
- This bicycle is not designed for racing, jumping, stunt riding, or high speed down hill riding. Any damage or failure to the parts or components as a result of such activities is not covered by this warranty.
- Any bending of the fork, frame, handlebar, seat post, or rims, as a result of overloading, misuse, or modification of any parts or components are not covered by this warranty.

LIMITED WARRANTY

This is the only warranty offered for your HUSKY Bicycle. There are no other warranties, whether express or implied by operation of law or otherwise, including but not limited to any express or implied warranties of merchantability, fitness to specific use, or performance.

HUSKY's liability under this warranty is expressly limited to the replacement of defective parts and labor to correct any defect or failure, or at HUSKY's sole election, replace the defective product.

HUSKY shall, in no event, be liable for any incidental or consequential damages, losses, or expenses with connection with this bicycle.

Some of the foregoing limitations or exclusions may not apply to you if you purchased your bicycle in a state where some or all of such limitations or exclusions are not permitted.

MAKING A WARRANTY CLAIM

To make a claim under this warranty, follow these steps:

1. Do not perform any repair or replacement of any parts until an authorized HUSKY dealer inspects your bicycle or the dealer or manufacturer authorizes such replacement. If there are no Husky dealers in your area, contact Husky customer service at (800) 392-3337 or send an email to support@huskybicycles.com for instructions or return authorization.

2. Take your bicycle to an authorized HUSKY dealer together with the original copy of the proof of purchase. No warranty work can be performed without presenting the proof of purchase. The cost of transportation of the bicycle to and from an authorized HUSKY dealer is the responsibility of the owner.

3. HUSKY, at its sole option, may repair or replace the defective product. In the even HUSKY decides to repair the defect or replace the defective part, the work will be performed based on parts and labor availability. Husky reserves the right to substitute parts or components of different make or origin for the defective parts.

4. Warranty work shall not extend the original warranty period. However, parts and components replaced under this warranty are guaranteed to be free of defect for a period of one year from the date of installation.

   If you have any questions about the warranty policy, see your authorized HUSKY dealer or write to HUSKY Bicycles, LLC., Technical Service Dept., 1812 Brittmoore, Suite 214, Houston, TX 77043.

OWNER'S RECORD

Date of Purchase _____

Dealer _____

Dealer Address _____

_____

Dealer Phone Number _____

MAINTENANCE RECORD

DATE	DEALER	SERVICE PERFORMED