Worksman Stretch Mover™ Industrial Tricycle Owner's Manual

Models M2620-CB-STR, M2620-3CB-STR

Parts list M2620-STR-15

Worksman Stretch Mover™

Congratulations! You have purchased an American Made Worksman Stretch Moverï Industrial Tricycle. The Moverï is considered the flagship of the Worksman Business Cycle System, which is undoubtedly the finest line of industrial cycles on Earth. The Stretch Mover is the newest addition to the Worksman Moverï lineup. These durable tricycles are used around the world by leading companies and organizations to move personnel and supplies efficiently, safely and in an environmentally friendly manner. The Stretch Moverï õ the next Worksman Classic.



Before assembly and riding, make certain to read this manual and any other literature provided thoroughly. Always follow the rules of safe riding. Always keep your Moverï Tricycle in tip-top shape by replacing worn parts as needed with Genuine Worksman Cycles parts (do not use generic bicycle parts). With simple maintenance, your Worksman Mover Tricycle will perform reliably day after day, year after year, decade after decade.

Your Stretch Moverï Tricycle has been hand-made in the USA by our American craftspeople. Our reputation rides along with you, so your ultimate satisfaction is our goal.

Worksman Stretch Mover™ Parts List

Part #\$ and Specifications subject to change without notice as we are constantly seeking ways to improve our products. Worksman Cycles recommends having your new tricycle professionally assembled. Failure to do so could result in injury or death.

Frame, Fork and Related Parts

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Part #	<u>Description</u>	Part #	<u>Description</u>
MF2620STRA	Mover Stretch Frame Only- Specify color	60HD	Fork-Color Black
60HD-YEL	Fork- Color Safety Yellow	60HD-ORG	Fork-Safety Orange
60HD-SP	Fork (other color- please specify)	48	Head Set Cups (pair)
49	Headset Bearings (pair)	50A	Headset Complete (48,49,52,53,54)
51	Bottom Cone (presses on Fork)	52	Top Adjusting Cone (threaded)
53	Key Washer	54	Fork Top Lock nut
55F	Handlebar-Junior High Rise	55A	Stem for Handlebar
55B	Hand Grips (pair)	3927STPT	Rear Platform 38x26+
4921	Rear Leaf Springs (each)	4926	U-Bolts (to attach springs)
Front Wheel	(26+) and Related Parts		
Part #	Description	Part #	<u>Description</u>
77A	Front Wheel w/Drum Brake w/o tire	77	Front Wheel w/Drum Brake w/air tire
77S	Front Wheel w/Drum Brake- Solid Tire	L900	Drum Brake-Hub Only
L709	Front Axle Set for Drum Brake	F817	Bearings-Loose 11 balls
L752R	Brake Lever w/ Parking Lock- Right Hand)	L752L	Brake Lever w/ Parking Lock- Left
F769	Anchor Bolt Assembly for F719 Cable	F770	Adjusting Barrel For F719 Cable
F719	Front Drum Brake Cable and Casing	L725	Drum Brake Plate Kit (Internal parts kit
	(includes Adjusting Barrel and Anchor Bolt)		-Shoes, Plate, Lever and Cam)

Rear Axle and Related Parts

Part #	<u>Description</u>	Part #	<u>Description</u>
102	Key Washer	105	Adjusting Cone (threaded)
106	Stationary Cone (presses onto axle)	109	Dust Washer
113	Locknut - Left Hand Thread - Free Wheel Side	146	Bearings (pair)
59M	Locknut - Drive Side	64M	Woodruff Key for Drive Wheel
132	Axle Parts Set(102,105,109,113,146,59M)	M13967	Rear Axle 36+
69	Fixed Drive Sprocket (for rear axle)	63B	Set screw for 69
63C	Key (fits in axle slot to attach rear sprocket)	M13975	Side Bearing with Plate (each)
M13974	Center Axle Support Bearing	301M	Coaster Brake w/Dual Sprockets
404SBST	3 Speed Coaster Brake w/dual Sprockets	SS721	Coaster Brake Internal Kit (for 301M)
SS12N-3	3 Speed Cable and Trigger for 404NM	4921	Springs and parts U-BOLTS
4926	U-Bolts for Leaf Springs		

Crank and Crank Parts (Pedal Section) and Chains

Part #	Description	Part #	<u>Description</u>
1265	Crank Parts (1266,1268,1269,1271,1272,1273,1274)	1265BMXS	Deluxe Sealed Crank Set (Upgrade)
1266	Crank Bearings (pair)	1267	Complete Crank Set 36T(1265,1275,1380D)
1267F	Complete Crank Set with 32 T Sprocket	1267H	Complete Crank Set w/ 28T Sprocket
1268	Cups for crank housing (pair)	1269	Stationary washer(inside)
1271	Key Washer- Outside	1271	Key Washer - Outside
1272	Adjusting Cone (threaded)-Outside	1273	Stationary Cone - Inside
1274	Crank Locknut	1275	Crank: Forged 6.5+
1380F	Sprocket 32Tooth	1380H	Sprocket 28 Tooth
7217	Pedal Set (Pair)	4910P-BLK	Chainguard
4914A	Chain Connecting Link(1/2x3/16+)	4915	Chain Adjusters (for Coaster Brake)
4914STR32	Chain 1/2x3/16-x187 (for 32T Sprocket)	4914XX	Chain- Short 3 1/2x3/16+x37
4914STR28	Chain 1/2x3/16-x185 (for 28T Sprocket)		



Note- The Stretch Mover Comes standard with a 32T front Sprocket and 1265 Crank part set. Smaller sprockets in the front will reduce gear ratio (easier to start pedaling). The 1265BMXS is a heavier duty upgrade for crank parts. 1275 crank with 1265 hanger parts etc. shown (left.)

Seats and Seatpost and Fenders, Baskets and Cabinets

Part #	Description	Part #	<u>Description</u>
6910V-5	Saddle-padded w/5/8+clamp (standard)	6911V-5	Saddle-padded w/springs & 5/8+Clamp
MSF2620-STR	Side Fender Set (M2620-CB-STR)	4908D	Seatpost
M13970	Basket fits Rear Platform- 23x22x15+Heavy Duty	3927STPT	Rear Platform 38x26+w 3+Lip-Standard
M17350	Cabinet-23x22x11.5+fits on Rear Platform	M17350J	Jumbo Cabinet 23x22x20+
7228	Front Basket 21x15x9+w/bracket	139	Front Basket 18x13x6+w/bracket
82P-BLK-C	Front Fender with Hardware	83A	Brace - Front Fender
95	‰+Bracket (Front Fender to Fork)	4906	Bolt Set for bottom of M13996
4907	Bolts, nut, washer (for 83A Brace)	4907A	Bolt Set to attach 82 to Fork
4905	Bolt set for attaching 4902 to top of M13996		

Wheels, Tires and Fenders

Part # 77A	Description Front Wheel w/ Drum Brake w/o Tire	Part #	<u>Description</u> Front Wheel w/ Drum Brake w/ Air Tire
77S	Front Wheel w/ Drum Brake w/Solid Tire	77KVPR	Front Wheel w/ Drum Brake w/ Kevlar Tire
1008A 1008 1008S 1008KVPR	Wheel 20+Free Side w/o Tire Wheel 20+Free Side w/Air Tire Wheel 20+Free Side w/Solid Tire Wheel 20+Free Side w/ Kevlar Air Tire	8132SA 8132 8132S 8132KVPR	Wheel 20+Free Side- Welded Mag w/o Tire Wheel 20+Free Side- Welded Mag w/Air Wheel 20+Free Side- Welded Mag w Solid Wheel 20+Free Side- Welded Mag w/Kevlar
M14022 M14023 M14024 M14023KVPR	20+Drive Side Wheel w/o Tire 20+Drive Side Wheel w/ Air Tire 20+Drive Side Wheel w/Solid Tire 20+Drive Side Wheel w/ Kevlar Air Tire	8133MSA 8133M 8133MS 8133MKVPR	20+Drive Side Mag Welded w/o Tire 20+Drive Side Mag Welded w/ Air tire 20+Drive Side Mag Welded w/ Solid tire 20+Drive Side Mag Welded w/ Kevlar tire
4922A 4939 4923A 1017 4922KV 4923 1017A 3980 1015 1014D*	Tire- 26x2.125 WTC Sup-r-Tire Tire-Solid Rubber Nev-R-Fail 26+ Tube 26x2.125 (front-standard) Rim Strip 26+ Tire 20x2.125 WTC - Kevlar Sup-r-Tire Tube-20x2.125 Rim Strip 20+ Hub for Drive Side Wheel Rim Only 20+(no spokes-outer rim Only) Spoke for 26+Drum Wheel 11G- 9 9/16+	4922AKV 4922AWSW 6023A 4922 4938A 6023 101 1016 1014E* *NOTE - Spokes se	Tire-26x2.125 WTC KEVLAR Sup-r-Tire Tire-26x2.125 Sup-r-Tire-White Wall Tube- Thorn Resistant 26x2.125 Tire-20x2.125 Sup-r-Tire (standard) Tire- Solid Rubber Nev-R-Fail 20+ Tube- Thorn resistant 20x2.125 Hub for free side Wheel Rim Only 26+(no spokes- outer rim only) Spoke for side wheels 11 G 7 3/16+ old in bags of 36 and include nipples

NOTE-WORKSMAN MOVER TRICYCLES COME STANDARD WITH WTC CLINCHER WHEELS W/ 11 G SPOKES. THEY ARE VERY DURABLE. THE WELDED MAG STYLE WHEELS ARE AVAILABLE ONLY FOR THE SIDE WHEELS. KEVLAR TIRES ARE BELTED AIR TIRES- IDEAL FOR PREVENTING FLATS. NEV-R-FAIL SOLID TIRES ARE SOLID RUBBER. NO FLATS! REAR RIGHT WHEEL IS DRIVE SIDE, LEFT IS FREE SIDE.

Safety and Comfort Accessories

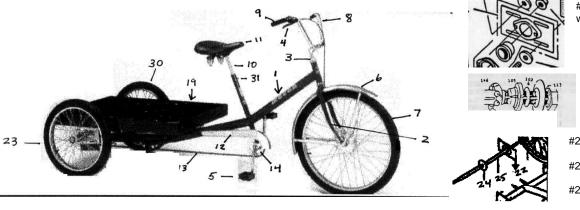
Part #	<u>Description</u>	Part #	<u>Description</u>
3979	Ding Dong Chime Bell	303	Squeeze Bulb Horn
3973	Mega-Horn- Battery Operated- LOUD	201	Cable and Lock (set)
4963	Rear View Mirror	5030T	Reflector Set with Mounting Hardware
3978	Safety Flag on Pole	P19	Bicycle Helmet
P101710	Flashing Strobe Light (Clear Lens)	P101714	Flashing Strobe Light (Red Lens)
7217-41197	Pedals with Velcro Foot Straps (Pair)	3975	Generator Light Set
1006	Air Pump for Tire Inflation (Manual)	1000	Spoke Tightening Tool
2000	Chain Rivet Remover Tool	1265TW	Crank Cone Wrench
1001	Pedal Wrench	TRAILER	Heavy Hauler Trailer



Accessorize your Worksman Business Cycles: Shown- Worksman ADC-CB Tricycle with Heavy Haul Trailer, Welded Mag Rear Wheels, Nev-r-Fail Solid Tires, Mega Horn, M13970 basket on Trailer, Ding Dong Bell, Bulb Horn, Mirror and Safety Flag.

Worksman Cycles are available in many styles, 11 attractive colors and with a wide selection of options. Replacement parts are readily available so your American Made Worksman Business Cycle will never let you down!

Stretch Mover™ M2620-CB-STR Parts Key



#22 M13975 Side Bearing with Plate

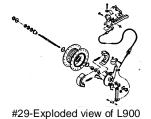
#28 132 Axle Parts Set

#24 69 Fixed Drive Gear

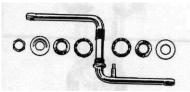
#25 M13967 Axle

#22 M13975 Side Bearing

1	MF2620STRA	Frame	17	4914XX	Chain Short (1/2x3/16x27)
2	60HD	Fork	18	301M or 404NM	1 or 3 Spd Coaster Brake
3	55A	Stem for Handlebar	19	3927STPT	Rear Platform 38x26x3+
4	L752L / L752R	Brake Hand Lever (Left / Right)	22	M13975	Outer Bearing Assembly for axle
5	7217	Pedal Set	23	M14022*	Wheel - Drive - 20+w/o tire
6	82	Front Fender	or	8133MSA*	Wheel - Drive - Welded Mag
7	77A*	Front Wheel w/Drum Brake	24	69	Fixed Drive Sprocket - Rear Axle
8	55F	Handlebar	25	M13967	Rear Axle 34+
9	55B	Hand Grips (pair)	26	M13970	Steel Basket for Rear Platform**
10	4908D	Seatpost	27	M17350	Rear Cabinet***
11	6910V-5	Saddle (6911V-5 is w/ springs)	30	1008A*	Wheel - Free Side 20+w/o tire
12	4910P-BLK	Chainguard (Black Resin)	31	4909M	Bolt- Square Head for Seatpost
13	4914STR32	Chain-Long(1/2x3/16x187)			•



1267F



Sprocket & Crank Set 32T





55A Stem

^{*}WHEELS LISTED ABOVE ARE WITHOUT TIRES. REFER TO THE WHEEL SECTION TO IDENTIFY PART #'S FOR WHEELS WITH EITHER AIR TIRES OR SOLID TIRES.

** REAR PLATFORM IS 38X26+WITH 3+LIP. *** REAR CABINETS ARE AVAILABLE IN THREE SIZES: 3927 (22X15X16+), M17350 (22X22X11+), M17350J
(22X22X18+)





WORKSMAN CYCLES

INDUSTRIAL CYCLE LEADER SINCE 1898

718-322-2000

Assembly Instructions for The Worksman Stretch Mover™ Industrial Tricycle:

Congratulations! You have purchased one of the most unique, useful, practical industrial cycles ever made. The Worksman Stretch Mover is the latest member of the Worksman Business Cycle System. Your Worksman Stretch Moverï Industrial Tricycle has been hand made by American Craftspeople at our Ozone Park New York City Factory. We take great pride in each and every Worksman Business Cycle that we manufacture and appreciate your support. Please read this manual carefully prior to performing the simple finishing assembly and prior to riding. Keep these instructions as our parts list is contained within this document which you will need for future reference.

Carefully remove the tricycle from the carton. You will notice the Stretch Mover tricycle is mostly preassembled at the factory. Some finishing assembly is required.

INSTALLING PEDALS:

Pedals are marked on the shaft with either an "L" or "R" denoting left or right. The "R" pedal fits on the right sprocket side of the crank arm. Tighten clockwise. The "L" pedal fits on the left side of the crank arm. Tighten counter clockwise (left hand thread). Securely tighten. Recommended torque 275 IN. LBS. CAUTION: Tightening pedals in the wrong direction will damage the crank and pedal threads, and will not be covered under warranty.



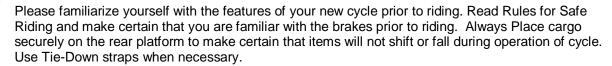
ATTACH FRONT FORK:

Grease cups (48) using Rustolene 200 lubricant or equal. Bearings (49) are pre-greased at the factory, but it is always a good idea to add lubrication prior to assembly.



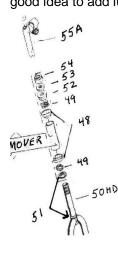
2) Slide the threaded fork (50HD) steering tube into the frame head

- 3) Place the other bearing on the top of the fork tube with the balls facing down towards the cup (#48), which is already pressed onto the frame.
- 4) Install the top adjusting cone (#52) onto the treaded fork steering tube. Hand tighten, making certain the bearings do not bind. After hand tightening, turn back ¼ turn.
- 5) Install the fork key washer (#53) and reflector bracket (if reflectors were ordered) on top of the adjusting cone with tip of washer in slot on steering tube.
- 6) Install head lock nut (#54) and securely tighten. Make sure that the fork rotates freely without being loose. Excess play or resistance must be adjusted. Failure to adjust properly can lead to improper steering response.





Although the seat is already installed at the factory, adjust the height to your desired level by loosening the seat clamp nut. Re-tighten at desired height. Make sure a minimum of 3 1/2+of the post remain in the frame tube. (Look for minimum insertion line.) Never adjust post above this level. Adjust angle of seat with nose raised slightly. Tighten seat clamp under the seat securely. (240 IN. LBS.).



HANDLEBAR ADJUSTMENT:

Install handlebar stem (55A) into the fork steering tube with the handlebar clamp facing forward. The stem must be inserted far enough to reach the minimum insertion line. Tighten the stem bolt slightly at this point. Loosen the handlebar clamp nut and slide the handlebar through the clamp centering the knurled center section of the handlebar into the clamp. Position the handlebar to the desired angle and tighten clamp securely. Recommended torque is 300 IN. LBS. Adjust the handlebar rotation so that it is perpendicular to the front wheel when it is perfectly straight. Tighten stem bolt securely. Recommended torque 240 IN. LBS. Be sure not to over tighten as damage to the parts may occur causing steering failure.



Attach brake hand lever to the handlebar with the locking mechanism facing up. Make sure brake cable is not tangled in anyway.



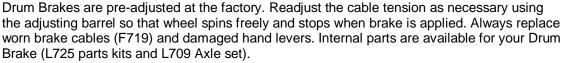
Helpful Maintenance Tips:

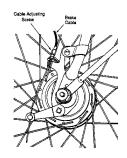
Always inspect your Worksman Cycle to insure that that all nuts, bolts, screws and hardware are tight and that no parts are worn or damaged. Do not attempt to straighten bent forks or frames.

Chain: Lubricate chain every six months or as needed with light oil. Replace sprockets when teeth become worn, bent or broken. Keep chain adjusted so there is no more than 3/8+slack. Note, we make the chains tight at the factory as we do know they will stretch during the break-in period.

Lubricate crank parts as needed and replace pedals when the surface is worn of if pedal axle becomes %ight+or frozen.

Drum Brake: Your Worksman Mover Tricycle is equipped with an automotive type front drum brake. This brake is ideal for slowing your vehicle smoothly and reliably. It is engaged by squeezing the hand lever on the handlebar. To use %Bark+feature, when cycle is completely stopped, squeeze hand lever and push in parking plunger button on lever. To disengage, simply squeeze lever until parking plunger button releases.





Coaster Brake (if applicable): Foot activated coaster brakes are easy to use and reliable. To activate this internal brake, reverse the pedaling motion until the brake engages. To avoid skidding and maintain control, apply care when braking. This is especially true on wet surfaces. Apply brakes gently, gradually increasing pedal back pressure. Replace coaster brakes when they become worn. Check chain tension regularly.

Tires: Always check for worn or damaged tires. The Worksman Sup-r-tires are heavy duty. We recommend 40PSI as proper level of inflation. Replace tires that are worn or cut immediately. Replace tubes that show leaks.

RULES FOR SAFE RIDING AND RESPONSIBLE OPERATION: Carefully read this manual before operating the cycle.

- It is the responsibility of the person who completes the assembly to properly install all parts included and to
 inspect the cycle prior to riding to insure proper operation.
- Operator is responsible for required maintenance to keep the cycle in good operation condition
- Observe all traffic regulations in the operating environment (stop signs, etc.)
- Keep to the right and in a straight line. Ride in single file.
- Do not ride outdoors, at night
- Have appropriate signaling device as needed (we recommend the 3973 Mega Horn)
- Give Pedestrians the Right of Way
- Always look around you to understand the riding environment and hazards.
- Do not carry passengers
- Check brakes prior to riding
- Slow down when approaching turns or intersections. Tricycles are meant for slow pace rides, not for racing.
- Use proper hand signals when turning or stopping
- Recommended Safety Options: Approved helmet, audible warning device.
- Never ride the cycle if there are known repairs required.
- Do not exceed the recommended weight capacity of the cycle
- Place loads evenly on platform. Do not stack cargo too high. Secure cargo with appropriate tie down straps.
- Wipe surface of cycle clean and dry when exposed to corrosive substances or environment.
- Operate Cycle at slow speeds, particularly in high traffic areas
- Operators of cycles should be in good physical condition. Ride at your own risk.
- Wear proper riding attire. Check shoelaces so they do not become tangled in the chain and sprocket.
- Ride only on smooth, paved surfaces. Do not use off road.
- Do not operate a tricycle on steep grades. They are designed for relatively level, paved surfaces only
- Always replace worn parts with genuine Worksman Cycle Repair Parts.
- Always keep both hands on the handlebars. Tricycles have a tendency to pull slightly to one side.

LIMITED WARRANTY:

THIS CYCLE IS WARRANTED AGAINST FAULTY PARTS UNER THE FOLLOWING CONDITIONS: THIS WARRANTY DOES NOT COVER ANY FAILURE DUE TO ACCIDENT, ABUSE, MISUSE, NEGLECT OR AS THE RESULT OF NORMAL WEAR AND TEAR, OR IMPROPER ASSEMBLY. THE ENTIRE FRAME INCLUDING ALL WELDED JOINTS IS WARRANTED TO BE FREE FROM DEFECTS AND MATERIAL FOR ONE YEAR WHILE IN POSSESSION OF THE ORIGINAL PURCHASER. ALL OTHER PARTS ON THIS CYCLE EXCEPT TIRES AND TUBES IS WARRANTED FOR NINETY DAYS FROM THE DATE OF PURCHASE. REPAIR AND REPLACEMENT OF THESE PARTS IS TO BE ACCORDING THE WORKSMAN CYCLES PARTS AND SERVICE PROCEDURES AND MUST BE HANDLED DIRECTLY THROUGH THE SOURCE WHERE THE CYCLE WAS PURCHASED. IF UPON EXAMINATION OF THE PARTS IN QUESTION, THE WORKSMAN CYCLE DEALER THROUGH THE SOURCE WHERE THE CYCLE WAS PURCHASED. IF UPON EXAMINATION OF THE PARTS IN QUESTION, THE WORKSMAN CYCLE DEALER DETERMINES THAT IT IS DEFECTIVE, EAITHER REPAIR OR REPLACEMENT WILL BE MADE AT NO COST EXCEPT THE COST OF TRANSPORTATION AND LABOR CHARGES (IF ANY). UNAUTHORIZED REPAIRS OR REPLACEMENT AUTOMATICALLY VOIDS WARRANTY, PROPER MAINTENANCE IS REQUIRED FOR WARRANTY TO BE VALID. IN THE EVENT THAT IT WAS DETERMINED THAT THE WARRANTY CLAIM IS THE RESULT OF MISUSE, ABUSE, IMPROPER MAINTENANCE OR SIMPLY NOT DEFECTIVE OR BEYOND THE WARRANTY PERIOD, WORKSMAN CYCLES OR THE DEALER WILL ADVISE YOU AS TO THE COST OF REPAIR, REPLACEMENT OR LABOR PRIOR TO PERFORMING ANY WORK OR REPLACING ANY PARTS. IF YOU CHOSE NOT TO HAVE THE DEALER OR WORKSMAN CYCLES PERFORM THE WORK, THE PARTS WILL BE RETURNED TO YOU AT YOUR EXPENSE OR DISCARDED IF NO REPLY IS RECEIVED WITHIN 2 WEEKS OF NOTICIATION. THE SOLE RESPONSBILITY OF THE MANUFACTURER TO THE TERMS OF THIS WEARRANTY, IF ANY, SHALL BE THE REPAIR AND OR REPLACEMENT OF THE PARTS AS INDICATED ABOVE. THE LIABILITY OF THE MANUFACTURER SHALL IN NO EVENT EXCEED THE ORIGINAL PURCHASE PRICE OF THE PRODUCT AND THE MANUFACTURER SHALL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY NATURE, INCLUDING, BUT NOT BY WAY OF LIMITATION, DAMAGES FOR PERSONAL INJURY OR PROPERTY. THIS STATEMENT CONSTITUTES THE EXCLUSIVE EXPRESSION OF WARRANTIES BY THE MANUFACTURER AND IS IN LIEU OF ANY OR ALL OTHER WARRANTIES SUCH AS EXPRESSED WARRANTIES, IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY, AND FITNESS OR PURPOSE., ARE LIMITED IN DURATION FOR ONE YEAR FROM THE DATE OF PURCHASE O THE FRAME ONLY AND 90 DAYS FOR ALL OTHER PARTS, EXEPT TIRES AND TUBES WHICH ARE NOT WARRANTED. WORKSMAN TRADING CORPORATION IS THE MANUFACTURER. MISUSE OF THE CYCLES INCLUDING OFF ROAD RIDING, INSTALLATION OF MOTORS OR POWER ASSISTS, ALTERATIONS, REPAIRS USING PARTS OTHER THAN GENUINE WORKSMAN CYCLE PARTS VOIDS WARRANTY. WORKSMAN TRADING CORPORATION IS NOT RESPONSIBLE FOR MAINTAINING RECORDS OF SERIAL NUMBERS. VOID WHERE PROHIBITED BY STATE LAW.

FAX OR EMAIL THE	S COMPLETED REGIS	<u> </u>	ORKSMAN.COM
Name of Purchaser		Company Name	
Mailing Address			
Tel	Fax	e-mail	
Date of Purchase		Dealer name	
Serial Number (located	under crank housing)	Color	
	notes		
Serial Number		DATE_ RM TO 718 529 4803- RETAIN COPY FOR YOUR RECORDS	