

# Workman Stretch Mover™ Industrial Tricycles Assembly Instructions and Parts List

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

Parts list M2620-STR-03



## Workman Stretch Mover™

### - THE NEWEST WORKSMAN MOVER™

Congratulations! You have purchased an American Made Workman Stretch Mover™ Industrial Tricycle. The Mover™ is considered the flagship of the Workman Business Cycle System, which is undoubtedly the finest line of industrial cycles on earth. The Stretch Mover is the newest addition to the Workman Mover™ 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 Mover™.....the next Workman 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 Mover™ Tricycle in tip-top shape by replacing worn parts as needed with Genuine Workman Cycles parts (do not use generic bicycle parts). With simple maintenance, your Workman Mover Tricycle will perform reliably day after day, year after year, decade after decade.

Your Stretch Mover™ 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.

**M2620-CB-STR Drum & Coaster Brake (most popular)**

**M2620-3CB-STR Drum & 3 Speed Coaster**

### Workman Mover™ Parts List M2620-STR-03

#### Frame, Fork and related parts

<u>Part #</u>	<u>Description</u>
MF2620STRA	Mover Stretch Frame Only- Specify color
50HD-YEL	Fork- Color Safety Yellow
50HD-SP	Fork (other color- please specify)
49	Headset Bearings (pair)
51	Bottom Cone (presses on Fork)
53	Key Washer
55F	Handlebar-Junior High Rise
55B	Hand Grips (pair)
4921	Rear Leaf Springs (each)- Support platform

<u>Part #</u>	<u>Description</u>
50HD	Fork-Color Black
50HD-ORG	Fork-Safety Orange
48	Head Set Cups (pair)
50A	Headset Complete (48,49,52,53,54)
52	Top Adjusting Cone (threaded)
54	Fork Top Lock nut
55A	Stem for Handlebar
3927STPT	Rear Platform 38x26"
4926	U-Bolts (attach Springs)

#### Front Wheel (26") and Related Parts

<u>Part #</u>	<u>Description</u>
77A	Front Wheel w/Drum Brake w/o tire
77S	Front Wheel w/Drum Brake- Solid Tire
L709	Front Axle Set for Drum Brake
F719	Front Drum Brake Cable and Casing (includes Adjusting Barrel and Anchor Bolt)
L752R	Brake Lever w/ Parking Lock- Right Hand)
F769	Anchor Bolt Assembly for F719 Cable

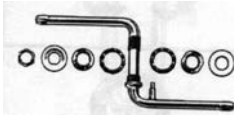
<u>Part #</u>	<u>Description</u>
77	Front Wheel w/Drum Brake w/air tire
L900	Drum Brake-Hub Only
F817	Bearings-Loose 11 balls
L725	Drum Brake Plate Kit (Internal parts kit -Shoes, Plate, Lever and Cam)
L752L	Brake Lever w/ Parking Lock- Left
F770	Adjusting Barrel For F719 Cable

## Rear Axle and Related Parts

<u>Part #</u>	<u>Description</u>	<u>Part #</u>	<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)
59A	Locknut-Drive Side		
130	Axle Parts Set(102,105,109,113,146,59A)	58	Rear Axle 34.5"
69	Fixed Drive Sprocket-	63B	Key (fits in axle slot to attach rear sprocket)
63C	Set screw for 69	M13975	Side Bearing with Plate (each)
M13974	Center Axle Support Bearing	301M	Coaster Brake w/Dual Sprockets
404NM	3 Speed Coaster Brake w/dual Sprockets	SS721	Coaster Brake Internal Kit (for 301M)
SS13N-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

<u>Part #</u>	<u>Description</u>	<u>Part #</u>	<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



Note- The 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. Shown at right....1275 crank with 1265 hanger parts et.

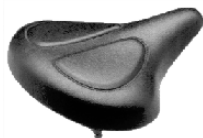
1268	Cups for crank housing (pair)	1269	Stationary washer(inside)
1271	Key Washer- Outside	1271	Key Washer- Outside
1272	Adjusting Cone (threaded)-Outside	1273	Stationary Cone- Inside
1274	Crank Locknut	1275	Crank-forged- 6.5"
1380F	Sprocket 32Tooth		
1380H	Sprocket 28 Tooth	7217	Pedal Set (Pair)
4910A	Chainguard	4914A	Chain Connecting Link(1/2x3/16")
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	4915	Chain Adjusters (for Coaster Brake)

## Seats and Seatpost and Fenders, Baskets and Cabinets

<u>Part #</u>	<u>Description</u>	<u>Part #</u>	<u>Description</u>
6910V-5	Saddle-padded w/5/8" clamp (standard)	6911V-5	Saddle-padded w/springs & 5/8" Clamp
4908M	Seatpost- Solid Steel	4909M	Square Head Bolt- (Secures 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"
3927SUD	Super Size Cabinet-in lieu of Platform(42x23x26")	7228	Front Basket 21x15x9" w/bracket
139	Front Basket 18x13x6" w/bracket	82	Front Fender-26"
83A	Brace- Front Fender		
95	"L" Bracket to attach Front Fender to Fork	4907	Bolts, nut, washer (for 83A Brace)
4905	Bolt set for attaching 4902 to top of M13996	4907A	Bolt Set to attach 82 to Fork
4906	Bolt Set for bottom of M13996	MSF2620-STR	Side Fender Set (M2620-CB-STR)



M13970 Rear Basket  
23x23x16"



6911V-5 Saddle  
Thickly Padded



7228 Front Basket  
21"x15"x9"

Part #'s and Specifications subject to change without notice as we are constantly seeking ways to improve our products. ---Workman Cycles---

## Wheels , Tires and Fenders

<u>Part #</u>	<u>Description</u>	<u>Part #</u>	<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 w/Solid Tire	1008A	Wheel 20" Free Side w/o Tire
1008	Wheel 20" Free Side w/Air Tire 1	1008S	Wheel 20" Free Side w/Solid Tire
8132SA	Wheel 20" Free Side- <b>Welded Mag</b> w/o tire	8132	Wheel 20" Free Side- <b>Welded Mag</b> w/Air
8132S	Wheel 20" Free Side- <b>Welded Mag</b> w Solid	1009	Wheel 20" Drive with Air Tire
1009A	Wheel 20" Drive w/o Tire	1009S	Wheel 20" Drive w/Solid Tire
8133	Wheel 20" Drive <b>Welded MAG</b> w/Air Tire	8133SA	Wheel 20" Drive <b>Welded MAG</b> w/o Tire
8133S	Wheel 20" Drive <b>Welded MAG</b> w/Solid Tire	4922A	Tire- 26x2.125 WTC Sup-r-Tire
4922AKV	Tire-26x2.125 WTC <b>KEVLAR</b> Sup-r-Tire	4922AWSW	Tire-26x2.125 Sup-r-Tire- White Wall
4939	Tire-Solid Rubber Nev-R-Fail 26"	6023A	Tube- Thorn Resistant 26x2.125
4923A	Tube 26x2.125 (front-standard)	4922	Tire-20x2.125 Sup-r-Tire (standard)
1017	Rim Strip 26"	4938A	Tire- Solid Rubber Nev-R-Fail 20"
4922KV	Tire 20x2.125 WTC - <b>Kevlar</b> Sup-r-Tire	6023	Tube- Thorn resistant 20x2.125
4923	Tube-20x2.125	101	Hub for free side Wheel
1017A	Rim Strip 20"	1016	Rim Only 26" (no spokes—outer rim only)
3980	Hub for Drive Side Wheel	1014E*	Spoke for side wheels 11 G 7 3/16"
1015	Rim Only 20" (no spokes-outer rim Only)		
1014D*	Spoke for 26" Drum Wheel 11G- 9 9/16"		

\*note- spokes sold in bags of 100 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

<u>Part #</u>	<u>Description</u>	<u>Part #</u>	<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 Slight (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!

**Worksman Cycles.....Unmatched Quality-----Incredibly Selection-----Unmatched Enduring Value**



**Worksman Personal Activity Vehicle**

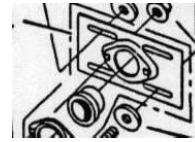
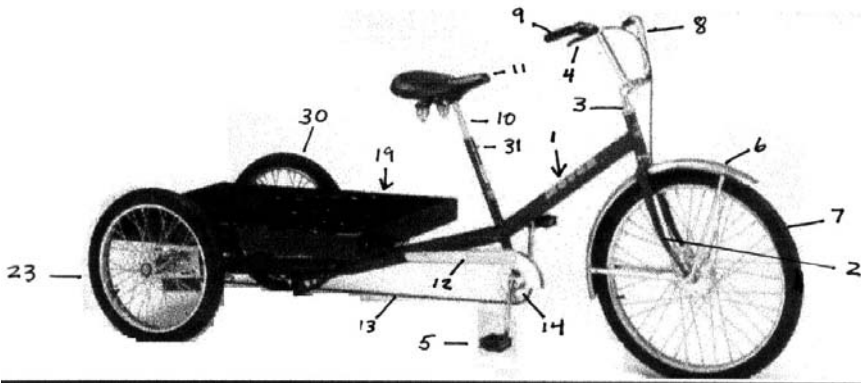


**Worksman Team Dual Tricycle**

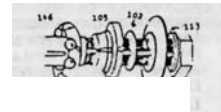


**No Fuel, No Fumes**

**Mover™ M2620-CB-STR**



#22 M13975 Side Bearing with Plate



#28 130 Axle Parts Set



#24 69 Fixed Drive Sprocket

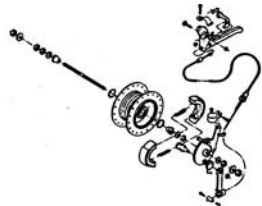
#25 58 Axle

#22 M13975 Side Bearing

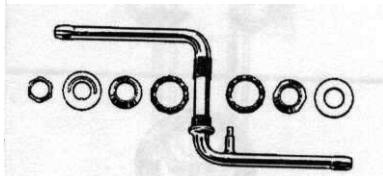
Key #	Part #	Description
1	MF2620STRA	Frame
2	5020HD	Fork
3	55A	Stem for Handlebar
4	L752L / L752R	Brake Hand Lever (Left / Right)
5	7217	Pedal Set
6	82	Front Fender
7	77A*	Front Wheel w/Drum Brake
8	55F	Handlebar
9	55B	Hand Grips (pair)
10	4908M	Seatpost
11	6910V-5	Saddle
12	4910A	Chainguard
13	4914STR32	Chain-Long(1/2x3/16x187)
14	1267F	Sprocket & Crank Set 32T
17	4914xx	Chain Short (1/2x3/16x27)
18	301M or 404NM	Coaster Brake /or/ 3 Speed Coaster
19	3927STPT	Rear Platform 38x26x3"

Key #	Part #	Description
22	M13975	Outer Bearing Assembly for axle
23	1009A	Wheel-Drive Side 20" w/o tire
	or 8133A	Wheel- Mag- Welded
24	69	Fixed Drive Sprocket - Rear Axle
25	58	Rear Axle 34"
26	M13970	Steel Basket for Rear Platform**
27	M17350	Rear Cabinet***
30	1008A*	Wheel- Free Side 20" w/o tire
31	4909M	Bolt- Square Head for Seatpost

M13970 Basket



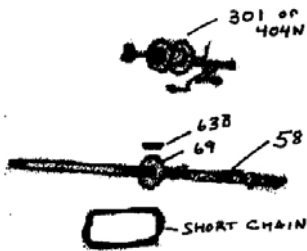
#29-Exploded view of L900



1275 Crank & 1265 Hanger Parts Set



55A Stem



# 17 / 18 / 24 / 25 Rear Axle /Coaster Brake

\*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. BASKET IS 23x23x16 AND CAN BE MOUNTED ONTO PLATFORM, LEAVING EXTRA PLATFORM SPACE AROUND BASKET  
 \*\*\* REAR CABINETS ARE AVAILABLE IN 4 SIZES: 3927-22x15x16" M17350-23x23x12", M17350J 23x23x20". OR 3927T 42x23x26"(3927T REPLACES PLATFORM)



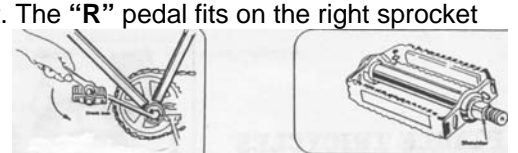
## Assembly Instructions for The Workman Stretch Mover™ Industrial Tricycle:

Congratulations! You have purchased one of the most unique, useful, practical industrial cycles ever made. The Workman Stretch Mover is the latest member of the Workman Business Cycle System. Your Workman Stretch Mover™ 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 Workman 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 pre-assembled 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 in the wrong direction will damage the crank and pedal threads.

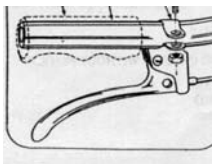


### SEAT ADJUSTMENTS:

Although the seat is already installed at the factory, adjust the height to your desired level by loosening the square head frame seat bolt (4909M). Re-tighten at desired height. Make sure a minimum of 3 1/2" of the post remain in the frame tube. Never adjust post above this level. Adjust angle of seat with nose raised slightly. Tighten seat clamp 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 (either left or right depending upon the rider's preference) Make sure brake cable is not tangled in anyway.

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Please familiarize yourself with the features of your new cycle prior to riding. Read Rule For Safe Riding and make certain that you are familiar with the brakes prior to riding.



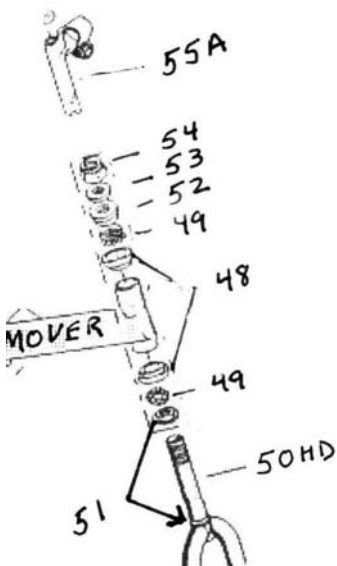
Always Place cargo securely on the rear platform to make certain that items will not shift or fall during operation of cycle. Use Tie Down Straps when necessary.

**ONLY USE GENUINE WORKSMAN CYCLES REPLACEMENT PARTS**

## Helpful Maintenance Tips:

Always inspect for worn parts. Should it become necessary to replace the front fork (50HD) assembly, please follow these instructions:

### ATTACHING 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.

- 1) Place one bearing (#49) onto the fork steering tube with the balls facing up.
- 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.
- 5) Install the top adjusting cone (#52) onto the threaded fork steering tube. Hand tighten, making certain the bearings do not bind. After hand tightening, turn back  $\frac{1}{4}$  turn.
- 6) 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.
- 7) 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.

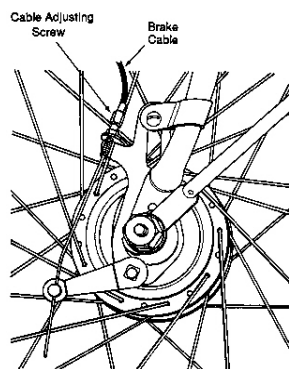
### MAINTENANCE Tips:

Always inspect your Worksman Cycle to insure 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.

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  $\frac{3}{8}$ " 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 or if pedal axle becomes "tight" 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 "Park" 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.

Drum Brakes are pre-adjusted at the factory. Readjust the cable tension as necessary using the adjusting barrel so that wheel spins freely and stops when brake is applied. Always replace worn brake cables (F719) and damaged hand levers. Internal parts are available for your Drum Brake (L725 parts kits and L709 Axle set).

### 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.