KWIK-WAY®

584 Tilt-Tower Tire Changer

Instruction Manual and Parts List

Kwik-Way Products Inc.
800-553-5953

521 WARRANTY
Brake Lathes · Tire Changers · Wheel Balancers

Kwik-Way Products Inc. *(Kwik-Way)* provides a limited 521 Warranty on products when purchased in a new and unused condition to be free from defective material or workmanship from date of purchase as per the following:

Product Category	BENCH MODEL LATHES	ON-CAR-LATHES	PASSENGER CAR TIRE CHANGERS	WHEEL BALANCERS	TRUCK LATHES AND TIRE CHANGERS
5 Years	Spindle, spindle bearing and housing	Cast iron components, excluding guide rods	Transmission	Frame, welding construction	N/A
2 Years	All other mechanical parts	All other mechanical parts	All other mechanical parts	All other mechanical parts	N/A
1 Year	Motor, electrical components and labor	Motor, electrical components and labor	Motor, electrical components and labor	Motor, electrical components and labor	Machine, components and labor

Kwik-Way will repair and/or replace, free of charge (FOB factory) all such defective parts, only when returned to factory with shipping charges prepaid. This warranty does not cover parts and supplies (nylon inserts, nylon mount-demount heads, breaker blade covers, and mount-demount covers) consumed in normal operation of the machine.

Kwik-Way disclaims all other warranties, expressed or implied, as to the quality of any goods, including implied warranties of MERCHANTABILITY and FITNESS FOR PARTICULAR PURPOSES. UNDER NO CIRCUMSTANCES WHATSOEVER, SHALL ***Kwik-Way*** BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON LOST GOODWILL, LOST RESALE PROFITS, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS OR ARISING OUT OF BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHERWISE, EXCEPT ONLY IN THE CASE OF PERSONAL INJURY.

Because of ***Kwik-Way's*** constant program of product improvement, specifications are subject to change without notice.

This warranty does not apply to a product that has been purchased in used condition, that has failed due to improper installation, repairs, service or that has sustained damage caused by accident, improper use or shipment.

Model #: _____ Serial #: _____

Purchase Date: _____

For further information or questions, please contact ***Kwik-Way Products Inc. at 800/553-5953 or 319/377-9421, fax 319/377-9101, email service@kwik-way.com***

RECEIVING SHIPMENT

Upon taking delivery of your machine, carefully inspect the assembly before removing the crating and packing materials.

If evidence of damage exists, contact the shipper and ***Kwik-Way Products Inc.*** immediately. Although ***Kwik-Way Products Inc***. is not responsible for damage incurred during transit, you will be provided assistance in preparation and filing of any necessary claims.

CAREFULLY READ THIS MANUAL BEFORE ATTEMPTING TO SETUP OR OPERATE THIS MACHINE.

IMPORTANT NOTE

Always have your serial number ready when communicating with ***Kwik-Way Products Inc.*** regarding parts or service.

Keep this manual in a safe place.

Date Received: _____

Serial Number: _____

(Serial Number location: Upper left corner at rear of unit)

SAFETY FIRST

This manual has been prepared for the owner and those responsible for the maintenance of this machine. It's purpose aside from proper maintenance and operations, is to promote safety through the use of accepted practice. READ THE SAFETY AND OPERATING INSTRUCTIONS THOROUGHLY BEFORE OPERATING THE MACHINE.

In order to obtain maximum life and efficiency from your machine, follow all the instructions in the operating manuals carefully.

The specifications put forth in this manual were in effect at the time of publication. However, owing to Kwik-Way Products Inc. policy of continuous improvement, changes to these specifications may be made at any time without obligation.

SAFETY INSTRUCTIONS

1. Read, understand and follow the safety and operating instructions found in this manual. Know the limitations and hazards associated with operating the machine.

2. Eye Safety: Wear an approved safety face shield, goggles or safety glasses to protect eyes when operating the machine.

3. Grounding the Machine: Machines equipped with three prong grounding plugs are so equipped for your protection against shock hazards and should be plugged directly into a properly grounded three-prong receptacle in accordance with national electrical codes and local codes and ordinances. A grounding adapter may be used. If one is used, the green lead should be securely connected to a suitable electrical ground such as a ground wire system. Do not cut off the grounding prong or use an adapter with the grounding prong removed.

4. Work Area: Keep the floor around the machine clean and free of tools, tooling, stock scrap and other foreign material and oil, grease or coolant to minimize the danger of tripping or slipping. Kwik-Way recommends the use of anti-skid floor strips on the floor area where the operator normally stands and that each machine's work area be marked off. Make certain the work area is well lighted and ventilated. Provide for adequate workspace around the machine.

5. Guards: Keep all machine guards in place at all times when machine is in use.

6. Do Not Overreach: Maintain a balanced stance and keep your body under control at all times.

7. Hand Safety: NEVER wear gloves while operating this machine.

8. Machine Capacity: Do not attempt to use the machine beyond its stated capacity or operations. This type of use will reduce the productive life of the machine and could cause the breakage of parts, which could result in personal injury.

9. Avoid Accidental Starting: Make certain the main switch is in the OFF position before connecting power to the machine.

10. Careless Acts: Give the work you are doing your undivided attention. Looking around, carrying on a conversation and horseplay are careless acts that can result in serious injury.

11. Job Completion: If the operation is complete, the machine should be emptied and the work area cleaned.

12. Disconnect All Power and Air to Machine before performing any service or maintenance.

13. Replacement Parts: Use only Kwik-Way replacement parts and accessories; otherwise, warranty will be null and void.

14. Misuse: Do not use the machine for other than its intended use. If used for other purposes, Kwik-Way Products Inc. disclaims any real or implied warranty and holds itself harmless for any injury or loss that may result from such use.

TECHNICAL DATA-

Dimensions	Metric	English
Height	1890 mm	75”
Depth	1092 mm	43”
Width	1016 mm	40”
Weight		
Net	220 kg	484 lbs.
Gross	247 kg	543 lbs.
Electrical		
Supply	N/A	115V 1ph 60 hz
HP	0.75 kw	1 HP
Bead Breaker Force	2,500 kg	5,500 lbs
Noise Level	75 db	
Pneumatic Supply		
Operating Pressure (8 /12 bar)	800/1200 kPa	115/173psi

RANGE OF APPLICATION

Automotive Wheels

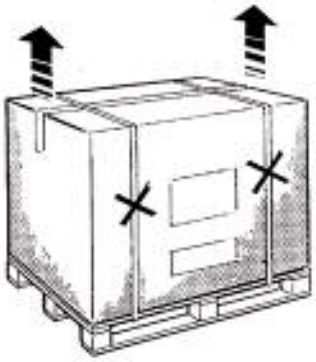
	Min.	Max.
Wheel Width	76 mm - 3”	305 mm - 12”
Rim Diameter (internal locking)	305 mm - 12”	572 mm - 22.5”
Rim diameter (external locking)	254 mm - 10”	508 mm - 20”
Maximum Wheel Diameter		1000 mm - 44”

UNPACKING

REMOVING THE BOX:
After removing the bands, remove the cardboard cover and carefully inspect the machine for missing or damaged parts. If in doubt, contact your sales representative or Kwik-Way direct.

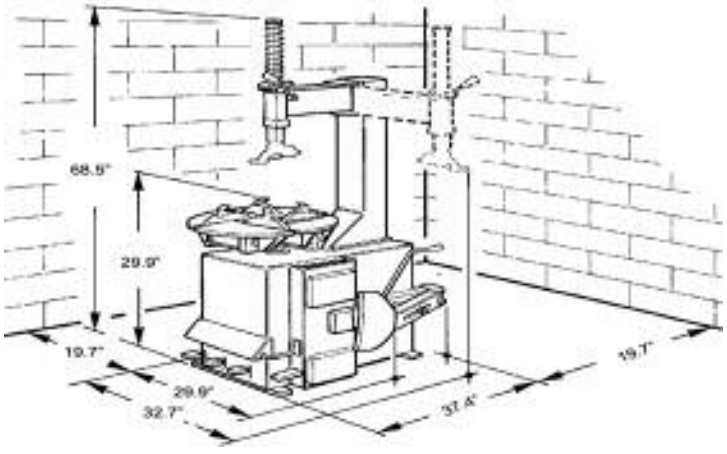
A box containing your accessories is packed within the box for the machine. Please open and inspect the accessories provided.

NOTE: Discard all non-biodegradable packaging at the appropriate collection points. All packaging materials are potentially hazardous to children. Dispose of all materials in a responsible way.



LOCATION OF THE MACHINE

LOCATION:
The tire changer must be placed on a solid floor or surface, and should not be any closer to a wall or fixed object than 20”. This is to provide for a safe and ergonomic operation of the machine.



INSTALLATION

Check the voltage at the wall outlet to be used to verify voltage supply matches the voltage on the electrical tag located at the rear of the machine by the cord set.

Attach the air supply to the air regulator at the rear of the machine. Check to verify that there are no air leaks and the regulator is adjusted to 115 psi minimum.

TROUBLE SHOOTING GUIDE

Malfunction	Possible Cause	Possible Solution
Turn table does not rotate	1. Power cord not plugged in 2. Voltage supply low	1. Plug cord into outlet 2. Check voltage at outlet
Insufficient turn table power	1. Supply voltage low 2. Drive belt loose	1. Check voltage 110v min. 2. Retention belt
Rim clamps do not hold rim securely	1. Low Air Pressure 2. Air regulator not adjusted correctly	1. Check supply air pressure (115 /173 psi) 2. Adjust regulator to 115 psi min.
Bead breaker does not have sufficient power to break the tire bead	1. Low air pressure 2. Air regulator not adjusted correctly	1. Check supply air pressure (115 /173 psi) 2. Adjust regulator to 115 psi min.

NOTE: Other malfunctions may occur which would be largely technical in nature. Please call a qualified technician or Kwik-Way Products for assistance.

MACHINE DESCRIPTION

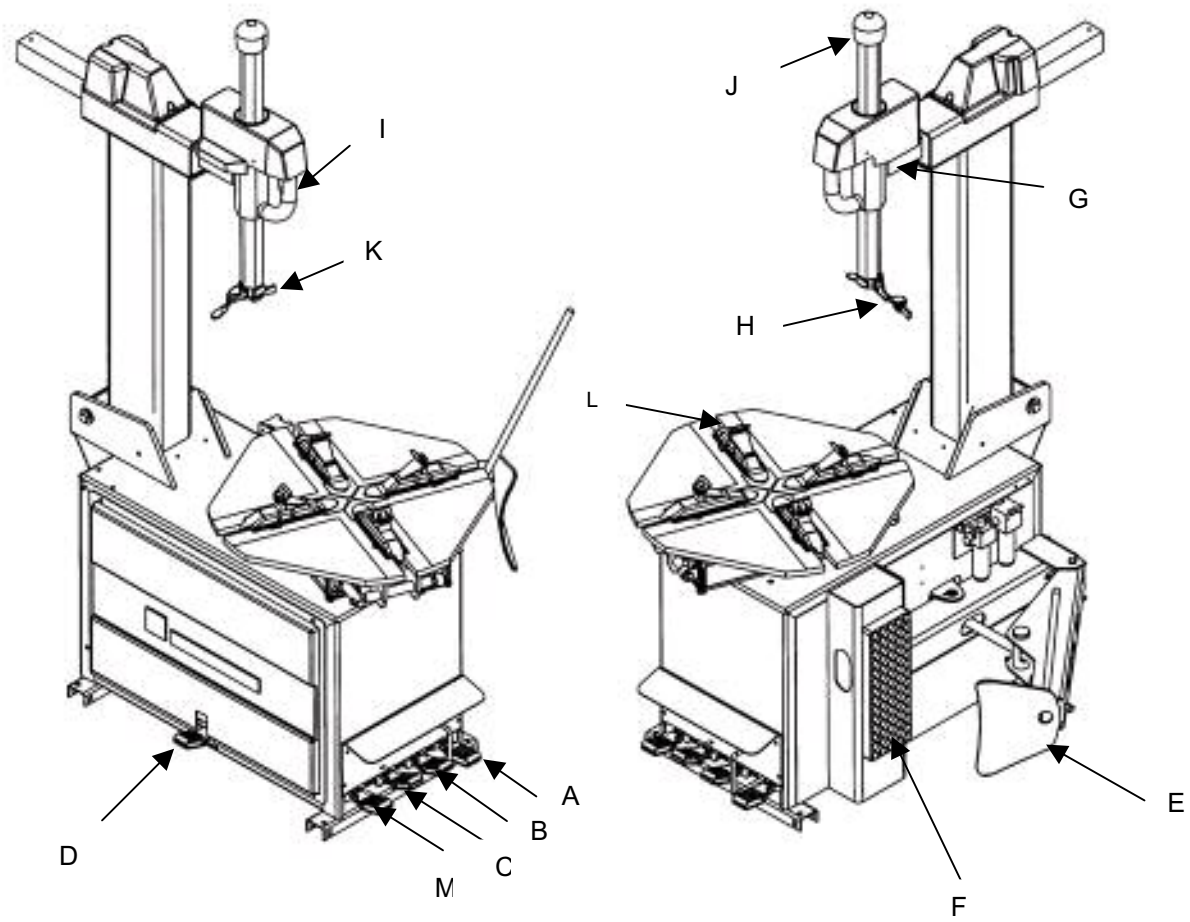
1) PEDAL CONTROLS

REVERSING PEDAL (A) controls the direction of rotation for the table. By pressing down, the table will rotate in a clockwise rotation as viewed from the top. Lifting up will reverse the direction of rotation to counterclockwise. The switch is spring loaded and will return to a center off position when released.

BEAD BREAKER PEDAL (B) is used to activate the bead breaker arm. Holding the pedal down activates the arm, you must release the pedal to deactivate. (release)

TABLE CLAMP PEDAL (C) operates the rim clamps, pedal down will close the clamps while pedal up will open the clamps. The pedal has detente position, and with practice, assists in control of the opening or closing the clamps.

INFLATER PEDAL (D) has two positions, the first position activates the air inflation hose and gauge, while the second operates the table blast valve to assist in tire beading.



MACHINE DESCRIPTION (continued)

TILT TOWER PEDAL (M) used to tilt tower forward and back

2) BEAD BREAKER ASSEMBLY

BEAD BREAKER PLATE (E) is used to separate the tire from the rim.

BEAD BREAKER PAD (F) support the tire and rim during the bead breaking operation.

3) COLUMN / TILT BACK ASSEMBLY

SLIDE ARM (G) moves in and out to accommodate various rim diameters

MOUNT / DEMOUNT HEAD (H) with the help of the bead lifting lever, is used to remove the tire from and also remount the tire to the rim.

TRIGGER (I) when engaged holds the mount / demount head in the correct position for the dismounting and remounting tires to rims. Press trigger to release when moving mount demount head in/out or up /down.

HANDWHEEL (J) is used to position the mount / demount head so as to allow tire removal without the head actually touching the rim.

TOWER TAB (K) is a plastic insert that protects the rim from contact to the mount / demount head.

4) TURNTABLE ASSEMBLY

RIM CLAMP JAWS (L) hold the rim to the table by clamping for either internal or external application.

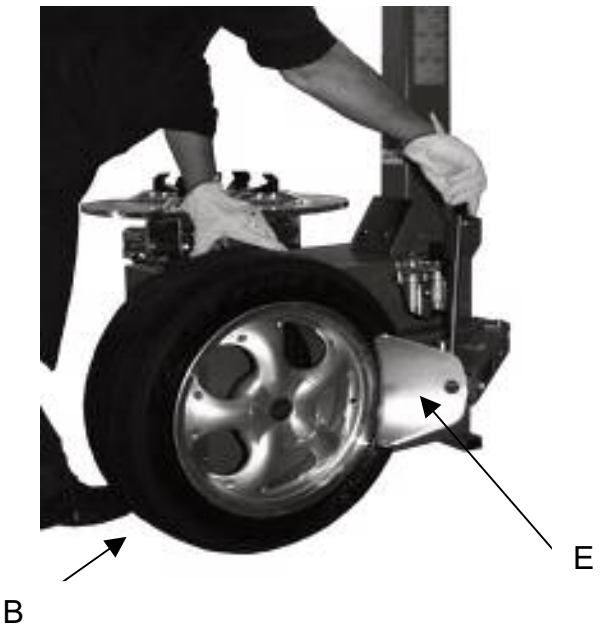
MACHINE OPERATION

It is highly recommended that you study and familiarize yourself with the nomenclature of the machine before attempting operation.

BEAD BREAKING OPERATION

In preparation of the bead breaking operation remove the valve stem core and completely deflate the tire. Remove any wheel weights that are present.

NOTE: If the tire is being removed for repair, and the assembly is not to be rebalanced, mark the location of the wheel weight or weights on the rim and mark the tire at the valve stem location. This will provide a reference for tire relocation and correct wheel weight placement after remount.



1. Place the wheel assembly against the breaker pads and carefully position the breaker blade so as to have the radius of the blade slightly inside of the radius of the rim.

   NOTE: It is highly recommended when breaking beads on alloy or chrome wheels to use the optional breaker blade protector to prevent scratching and or other possible damage.

2. Step down on the bead breaker pedal (B), the blade (E) will push the tire bead from the rim flange.

3. Repeat this operation at various points around the rim diameter and on both sides of the wheel.

DISMOUNTING THE TIRE

Move the swing arm to the rear position so as to permit mounting the wheel assembly to the turntable.

NOTE: It is highly recommended to externally clamp all rims whenever possible, especially alloy and chrome rims, so as to prevent possible damage during dismount.

1. Press down on the clamp jaw pedal to expand the jaws.
2. Position the wheel on the table clamps and while pressing down slightly on the wheel, press the control pedal to close the jaws. This will lock the wheel assembly to the turntable.
3. Move the swing arm to the front so the mount / demount head is over the approximate rim radius. Unlock the tower lock lever and lower the head to the correct position. The radius of the head should be against the rim radius.
3. Using the swing arm handwheel, adjust the mount / demount head so as to have a 1/16” to 1/8” clearance between the head and the rim. This will permit the use of the bead lifting lever without contacting the rim. Check the tower tab to be sure it is in place and good condition.

   NOTE: A good quality rubber lube should be used while removing the tire from the rim, it will speed up the operation as well as prevent damage to the bead.

4. Insert the bead lever, positioning the lever in the notch of the head. Lift the upper tire bead over the demount ramp of the head. Step down on the table rotation pedal. The turntable will rotate clockwise removing the upper tire bead.
5. Repeat the above operation on the lower bead. Remember to lube the lower bead before attempting removal.
6. Move the swing arm to the rear to permit removal of the tire.

MOUNTING THE TIRE

In preparation for mounting a tire to the rim, check the tire and rim diameter to assure correct size. Lubricate both beads thoroughly with the tire lube.

CAUTION: Never attempt to mount a tire without verifying size. The most common mistake is attempting to mount a 16.0” tire to a 16.5” rim. Personal Injury can result from improper use.

1. Place the tire on the rim, and move the swing arm into position.
2. Position the mount / demount head at the radius of the rim, and rotate the swing arm hand wheel to provide 1/16” to 1/8” clearance.
3. Place the lower bead of the tire over the leading edge of the mount demount head, and while pressing down on the tire with your hand, step down on the table pedal, the table will rotate clockwise, continue to push the bead of the tire into the drop center while rotating the table.
4. Repeat the above process for the upper bead.

NOTE: If it becomes necessary to back the turn table, simply lift up on the table pedal and the table will rotate counterclockwise.

TIRE INFLATION

Tire inflation can be potentially dangerous! Use only the inflation hose and chuck provided on the machine to inflate tires.

CAUTION: Never exceed 45 psi to bead a tire. If both tire beads fail to bead at 45 psi, break the tire bead and rotate the tire on the rim then lubricate with tire lube and attempt to re-bead the tire.

There are blast jets built into the table clamps to assist in tire beading. To operate the blast jets, simply step down on the inflation pedal to the second position and a blast of high pressure air will be omitted.

ROUTINE MAINTENANCE

To insure proper operation of the machine, it is essential to perform periodic maintenance**.**

Mechanical Parts: Keep the moving parts of the machine clean, wash them with naphtha or a similar product, the lubricate them with oil or grease

Lubricator: Check and maintain the oil level in the air lubricator, level must always be within the min/max listed on the outside.

Water Separator: Periodically check and remove any water from the separator

Turntable Drive Belt: Check the belt to see that correct tension is maintained and adjust as required.

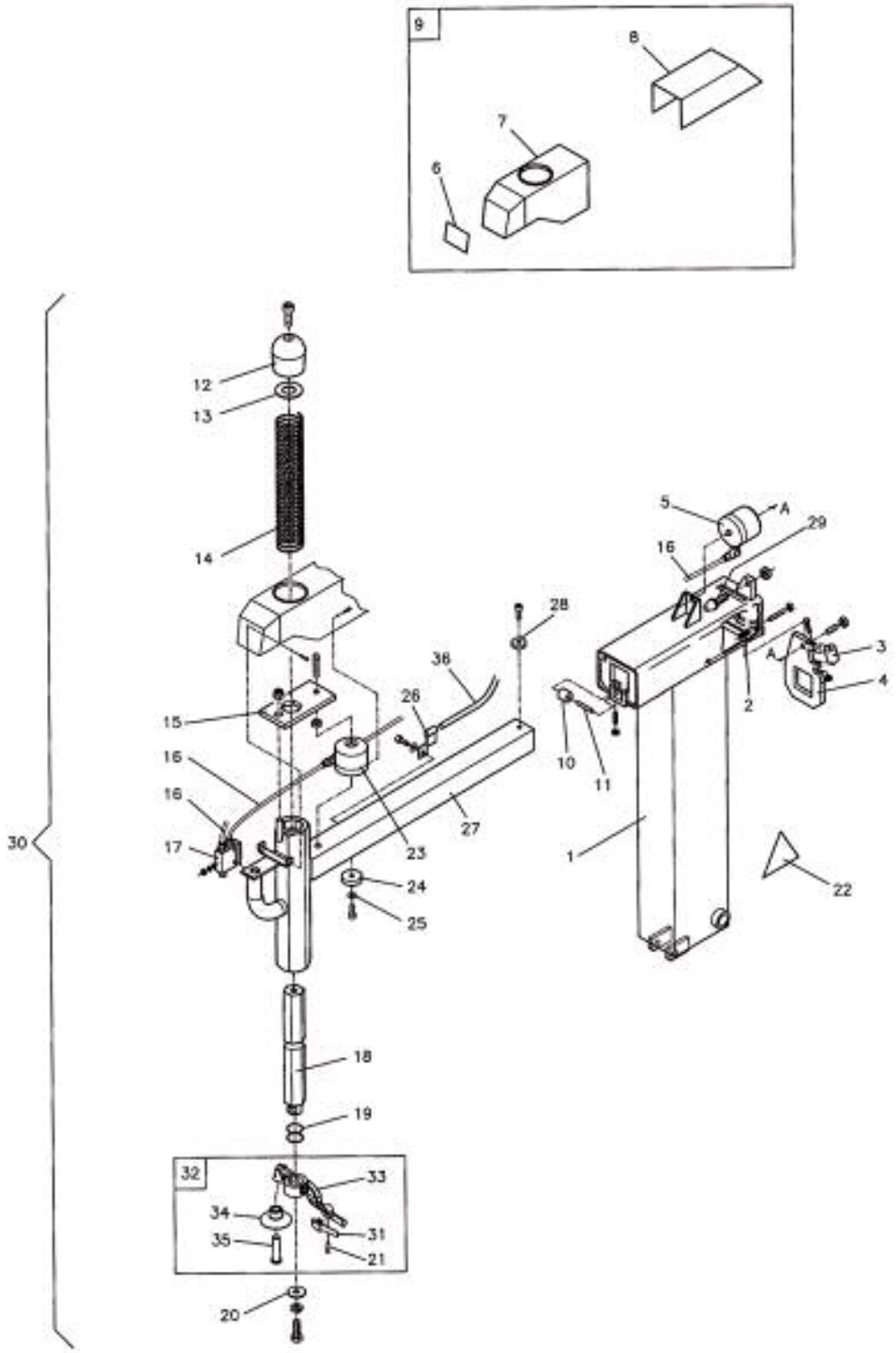
Inflation Gauge: Periodically check the gauge for function and accuracy

TECHNICAL ASSISTANCE AND SPARE PARTS

For any malfunctions consult the Troubleshooting Guide on Page 8 of this manual. Any malfunctions other than those listed should be checked by a qualified technician. For prompt assistance, please have you machine model and serial number on ready when you place your call.

Any SPARE PARTS must be ordered from Kwik-Way or an authorized distributor, the manufacturer denies all responsibility for damage or malfunctions resulting from use of non-original substituted parts.

TOOL ARM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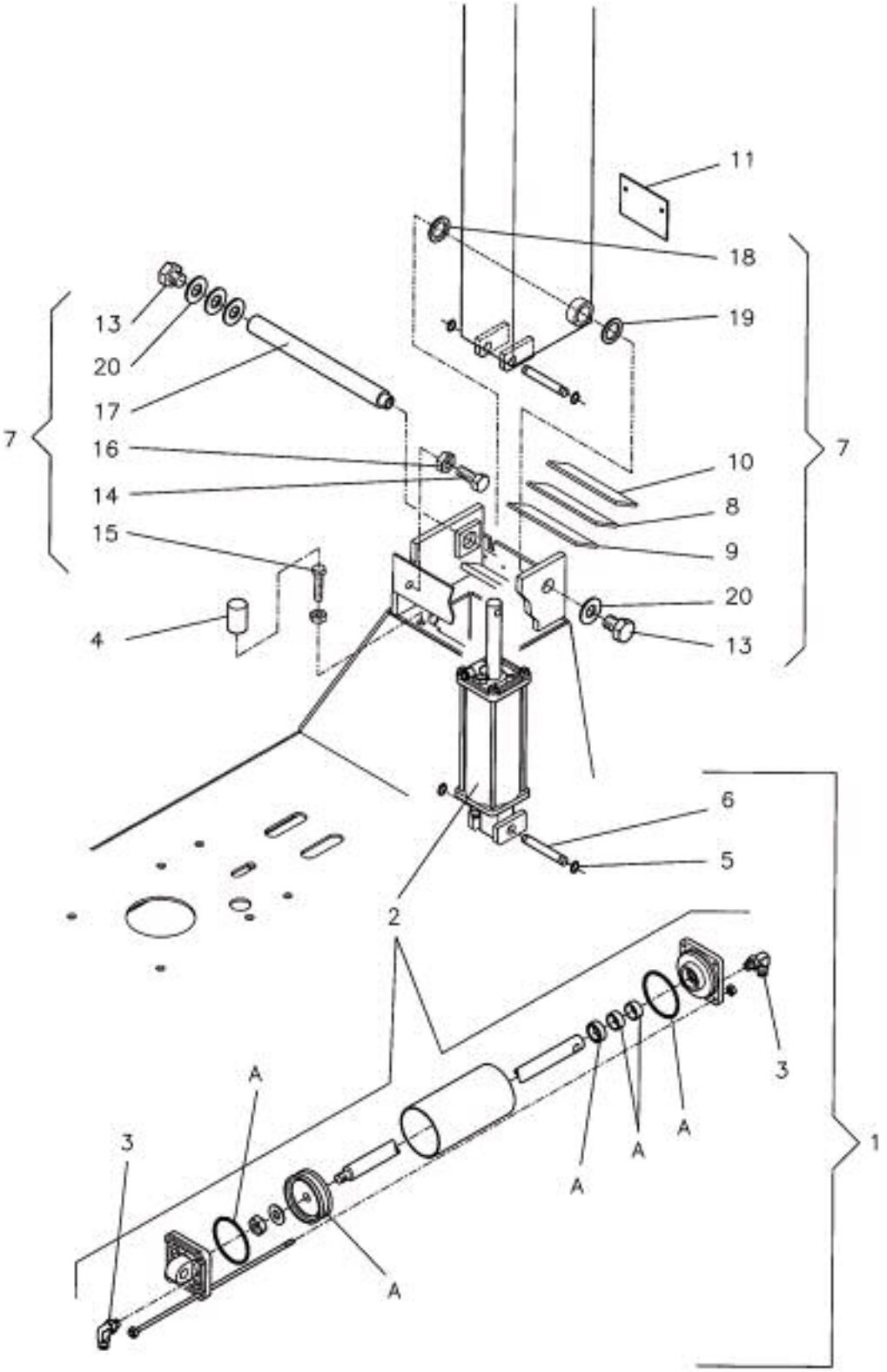
TOOL ARM
(continued)

REF	PART #	DESCRIPTION
1	584-8111-50	Tilting Post
2	584-0015-10	Spring
3	584-9107-00	Roller
4	584-3016-40	Lock Plate
5	584-8906-30	Horizontal Lock Plate Cylinder
6	584-9106-20	Operation Tool Label
7	584-3012-32	Cover
8	584-3017-00	Cover
9	584-3905-11	Upper Cover Group
10	584-8102-10	Sliding Roll
11	584-2340-89	Cylindrical Pin
12	580-7101-60	Handgrip
13	580-3203-10	Washer
14	580-0202-10	Spring
15	584-7100-90	Lock Plate
16	580-3170-04	8 x 6 x 1.5 mm Airline
17	584-3090-09	Valve
18	582-4153-90	Shaft
19	582-3157-20	Bumper
20	580-3153-91	Spacer
21	580-3014-80	Pin
22	584-9132-80	Danger Label Tilting Pad
23	584-8906-40	Vertical Lock Plate Cylinder
24	584-7101-70	Buffer
25	584-3102-30	Spacer
26	584-8111-20	Tube Guide
27	584-9112-10	Horizontal Arm
28	584-8302-47	Buffer
29	584-9107-11	Cone
30	584-9911-00	Tool Arm Group
31	580-3802-02	Tower Tab
32	582-3926-00	Projecting Spokes Tool Kit
33	582-3057-00	Projecting Spokes Tool Body
34	582-3020-00	Roller for Bike Tool
35	582-8301-49	Bike Tool Roller Pin
36	580-3170-10	Tube 10 x 8 x 3.0 mm

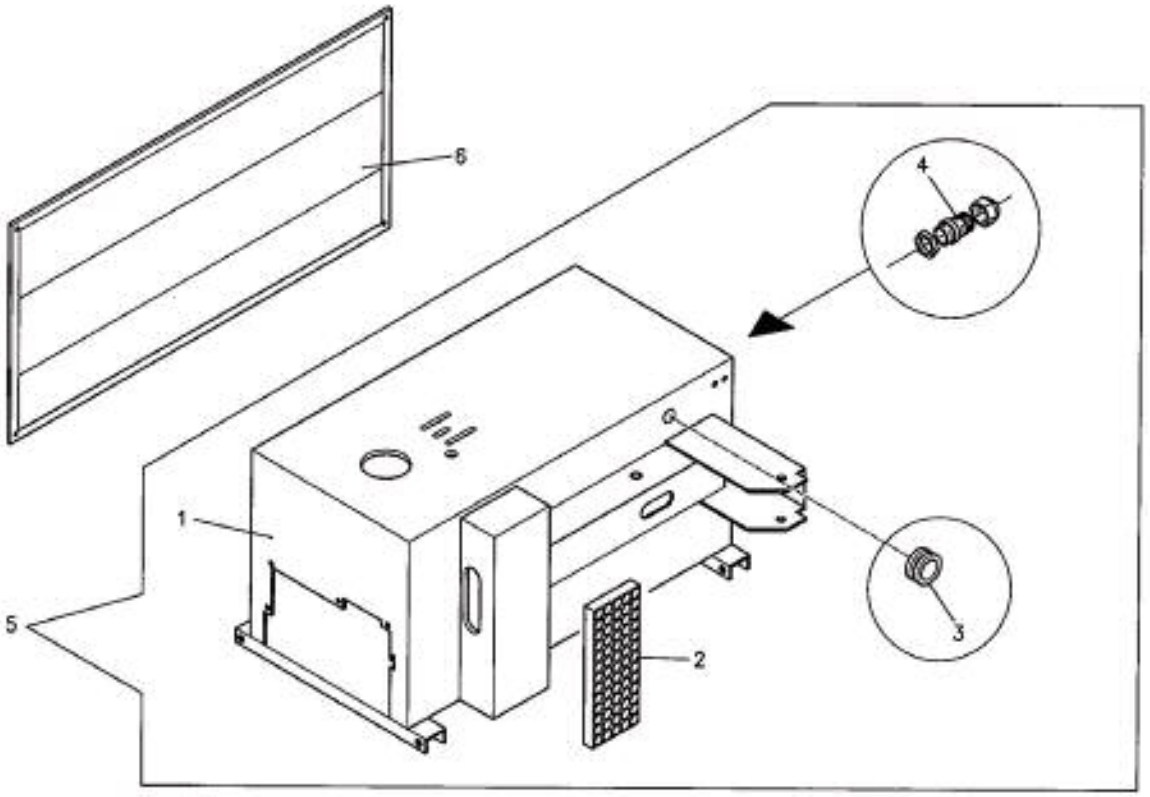
TILTING PAD PISTON



TILTING PAD PISTON
(continued)

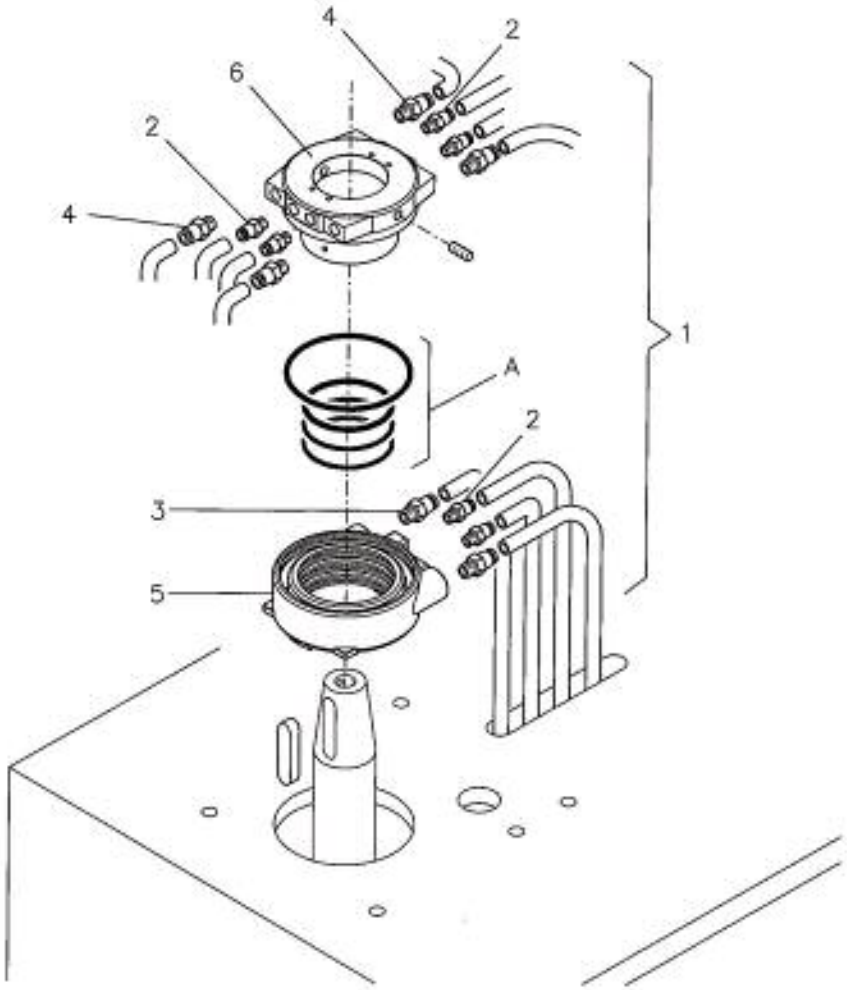
REF	PART #	DESCRIPTION
1	584-8911-00	Tilting Pad Piston Group
2	584-3907-70	Complete Piston
3	580-3251-11	Quick Disconnect 1/8 x 6 mm
4	584-4131-85	Shock Absorber
5	580-2430-06	Snap-Ring 14 mm
6	584-0301-31	Pin
7	584-3905-31	Tilting Pad Assembly – Frame
8	584-9111-60	Plate 1.5mm
9	584-9111-70	Plate 3.5mm
10	584-9111-50	Plate 2.5mm
11	584-8103-91	Arm Closure Guard
12	Not Shown	Not Shown
13	584-2030-62	Screw
14	584-2190-10	Guide Screw
15	584-2031-86	Screw
16	584-2240-11	Nut
17	584-3152-11	Pad Pin
18	584-2375-01	Washer
19	584-2375-11	Washer
20	580-3153-91	Spacer
A	580-3080-00	Gaskets Kit

FRAME



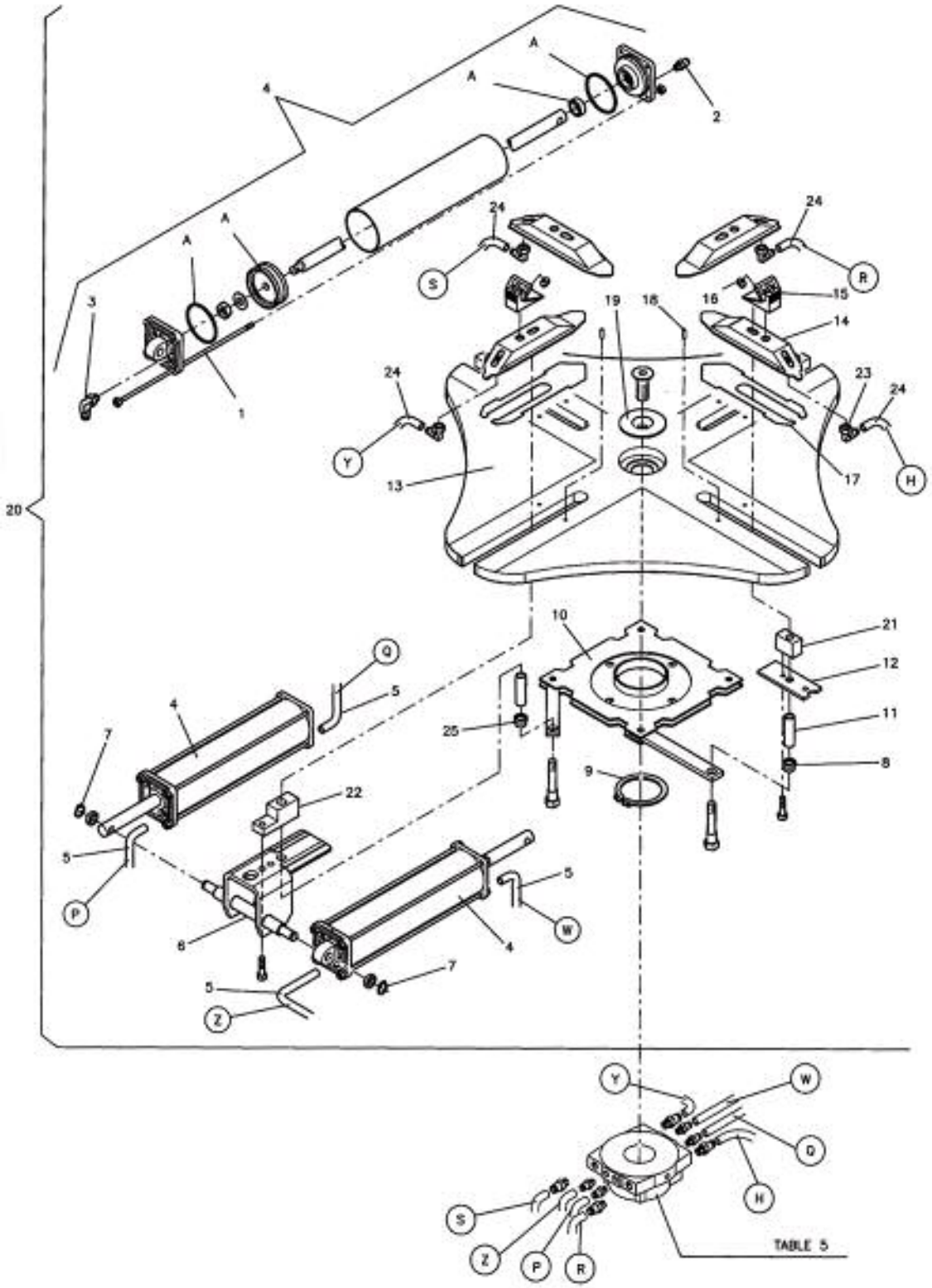
REF	PART #	DESCRIPTION
1	580-4050-18	Frame
2	580-0315-22	Bead Breaker Pad
3	580-5993-85	Gromet
4	580-5990-74	Gromet w/Nut
5	580-4904-80	Frame Assembly
6	580-3302-42	Side Cover

ROTATING FITTING



REF	PART #	DESCRIPTION
1	580-3020-92	Complete Distributor
2	580-3251-11	Quick Disconnect 1/8” x 6 mm
3	580-3030-21	Direct Coupling 3/8” x 14 mm
4	580-3251-10	Direct Coupling 1/8” x 6 mm
5	580-3305-00	Fixed Body
6	580-3305-10	Movable Body
A	580-4300-00	Seal Kit

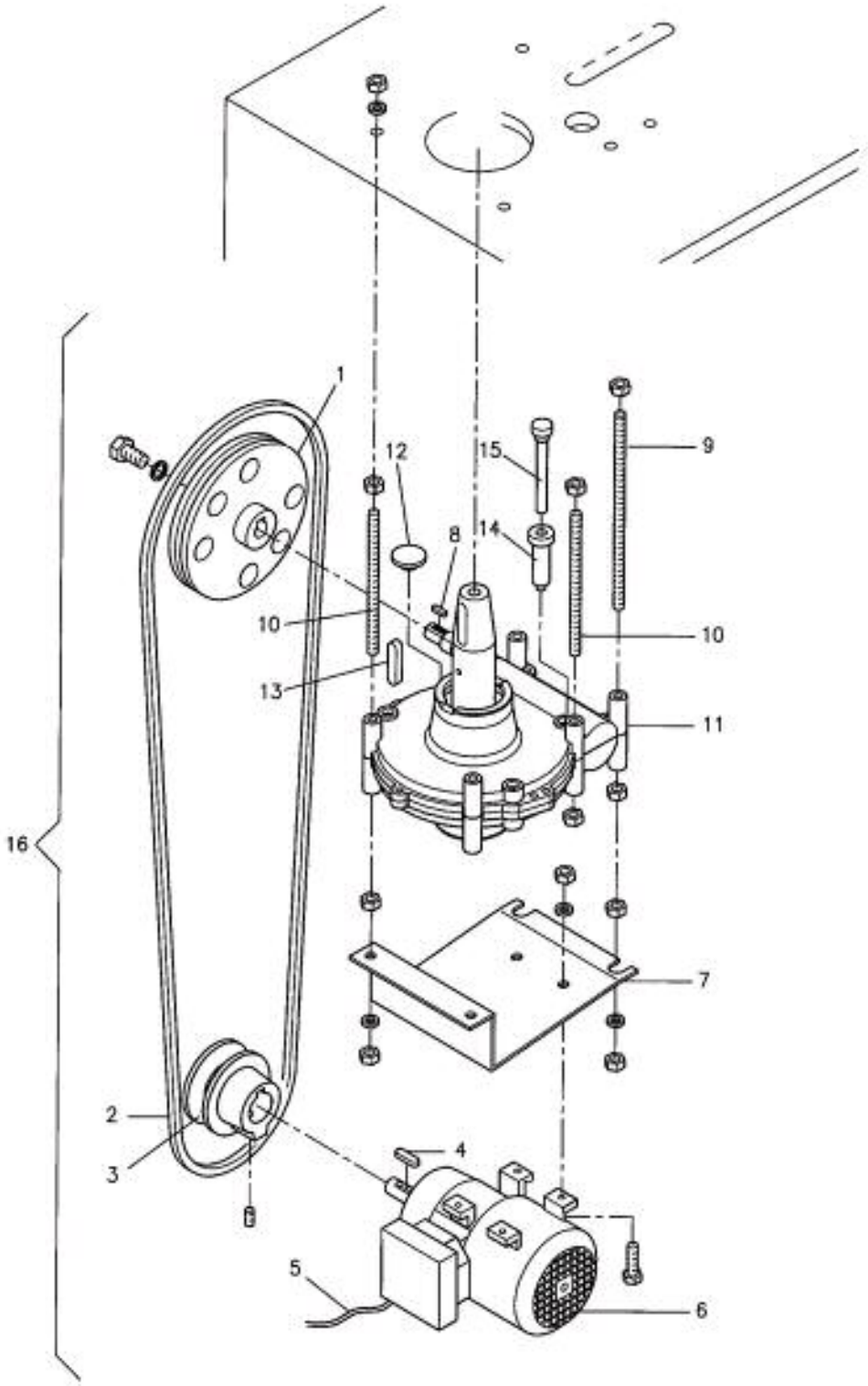
TURNTABLE



TURNTABLE
(continued)

REF	PART #	DESCRIPTION
1	582-8109-30	Tie Rod
2	580-3251-11	Quick Disconnect 1/8 x 6 mm
3	580-3251-08	L-Shaped Fitting 1/8 x 6 mm
4	582-8909-90	Complete Piston
5	580-3170-20	Airline 6 x 4 x 1.46 mm
6	580-8153-72	U-Bolt
7	580-2430-06	Snap-Ring 14
8	580-8156-00	Slide Guide Bushing
9	580-2430-54	Seeger
10	582-8156-50	Connecting Rod Control Flange
11	582-8156-40	Small Tube
12	580-8153-21	Slide Guide
13	582-8157-00	Turntable
14	582-8156-80	Slide
15	580-8150-42	Jaw
16	580-8380-07	Nylon Insert
17	582-8151-32	Finger Protection
18	580-2350-52	Elastic Pin
19	580-4402-40	Turntable Cover
20	582-8909-80	Turntable Unit 12” – 24”
21	582-8156-20	Block
22	582-8156-10	U Bolt Block
23	580-3251-21	L-Shaped Fitting ¼ x 8 mm
24	580-3170-22	Air line 8 x 6 x 3.0
25	580-8151-41	Bushing
A	580-3080-00	Gasket Kit

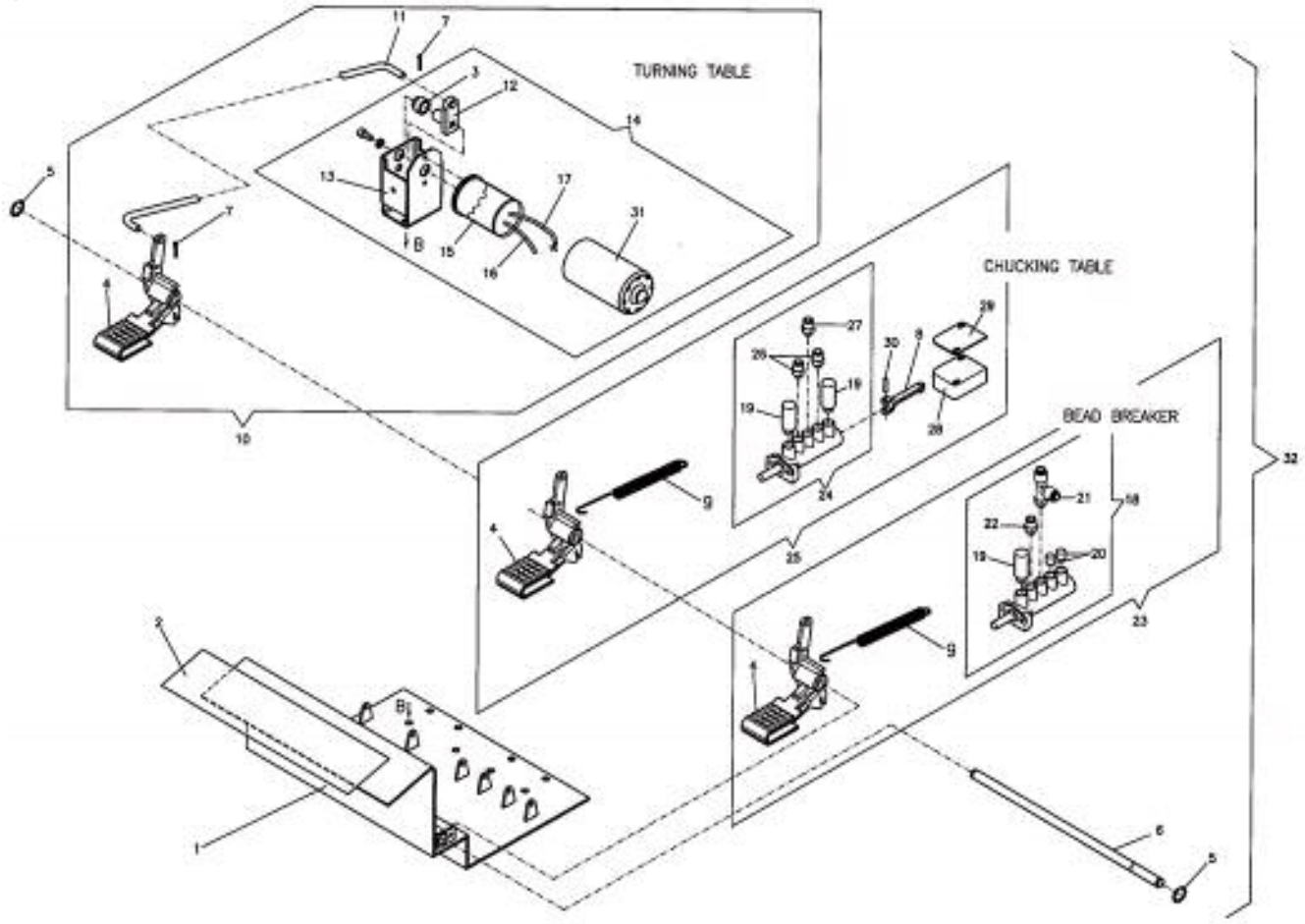
GEARED MOTOR



GEARED MOTOR
(continued)

REF	PART #	DESCRIPTION
1	580-0305-24	Pulley
2	580-4120-20	Belt
3	580-4153-40	Pulley 60 Hz.
4	580-2310-03	Key
5	N/A	Cable
6	580-0002-91	Motor 1 Ph – 0.75 kW 110V – 60 Hz
7	580-0305-26	Motor Plate
8	580-2310-68	Key
9	580-0305-28	Tie Rod
10	580-0305-32	Tie Rod
11	580-3050-21	Complete Gear Box/Transmission
12	580-4130-89	Plug
13	580-2310-67	Key
14	580-3055-90	Extension
15	580-3056-00	Oil Level Staff
16	580-3906-90	Reduction Unit - Complete

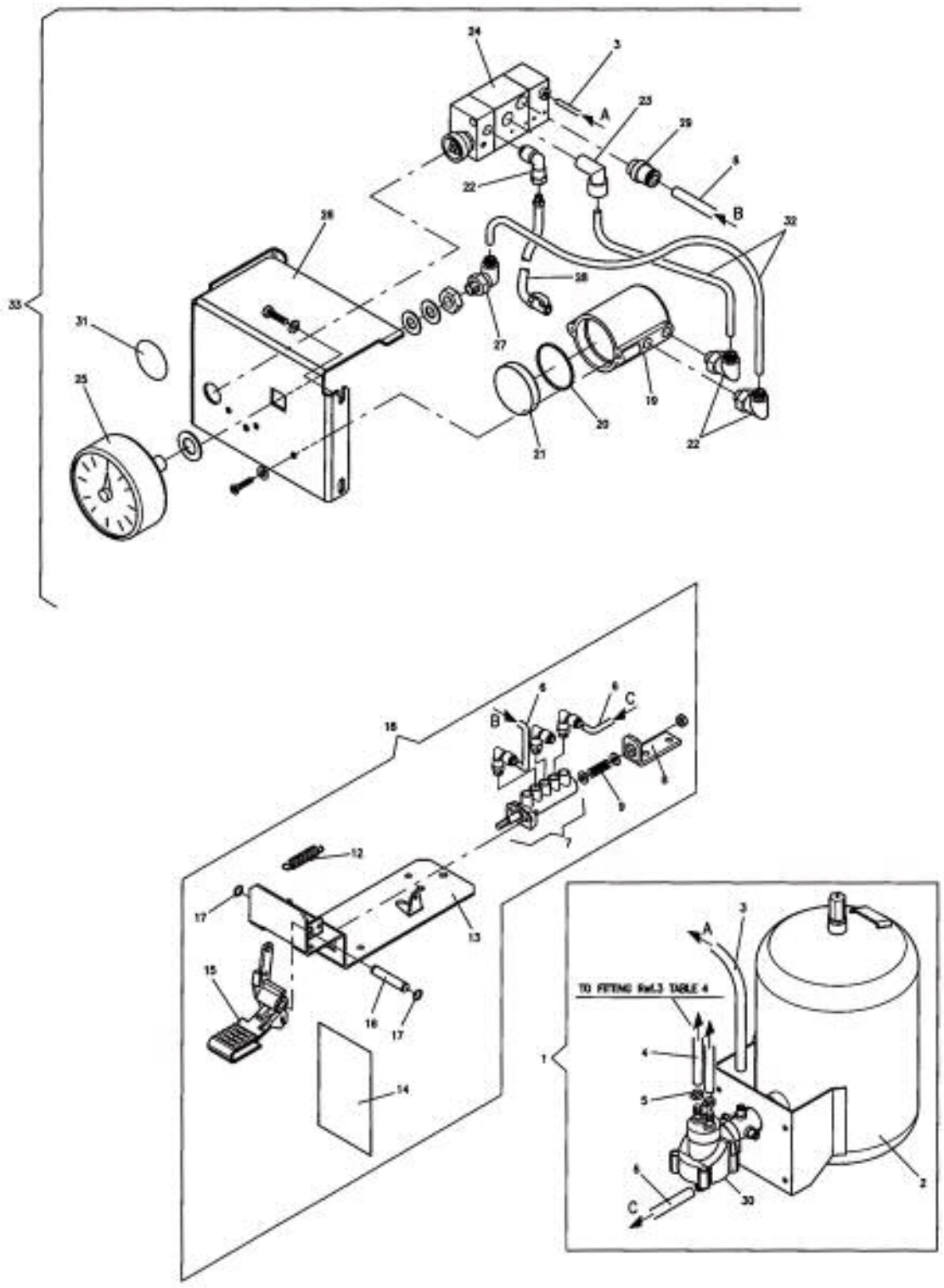
CONTROL PEDAL UNIT



CONTROL PEDAL UNIT
(continued)

REF	PART #	DESCRIPTION
1	580-9150-11	Pedal Panel Body
2	580-9129-50	Pedal Unit Operation Label
3	580-3104-10	Bushing
4	580-9150-30	Pedal
5	580-2990-52	Ring
6	580-9151-70	Pin
7	580-2300-31	Split Pin
8	580-9151-60	Lever
9	580-0200-40	Spring
10	580-9906-00	Turning Table Pedal Group
11	580-9150-50	Tie Rod
12	580-3104-20	Inverter Attachment
13	580-3104-50	Support
14	580-9906-20	Inverter Group
15	580-5182-12	Inverter/Foot Pedal Switch
16	580-9650-71	Inverter/Motor Cable
17	580-3650-40	Feed Cable (Single Phase)
18	580-9980-11	Bead Breaker Valve S.E. Assembly
19	580-3990-64	Silencer
20	580-3110-02	Plug
21	580-3251-13	Swivel T ¼” x 8 mm
22	580-3251-09	Union ¼” x 10 mm
23	580-9905-00	Bead Breaker Pedal Group
24	580-9980-70	Chucking Table Distributor Assembly
25	580-9904-00	Chucking Table Opening/Closure Pedal Group
26	580-3251-12	Quick Disconnect ¼” x 6 mm
27	580-3251-21	Quick Disconnect ¼” x 8 mm
28	580-9151-00	Cam
29	580-9151-10	Cover
30	580-9151-80	Pin
31	580-3104-81	Protection
32	580-9905-90	Control Pedal Unit

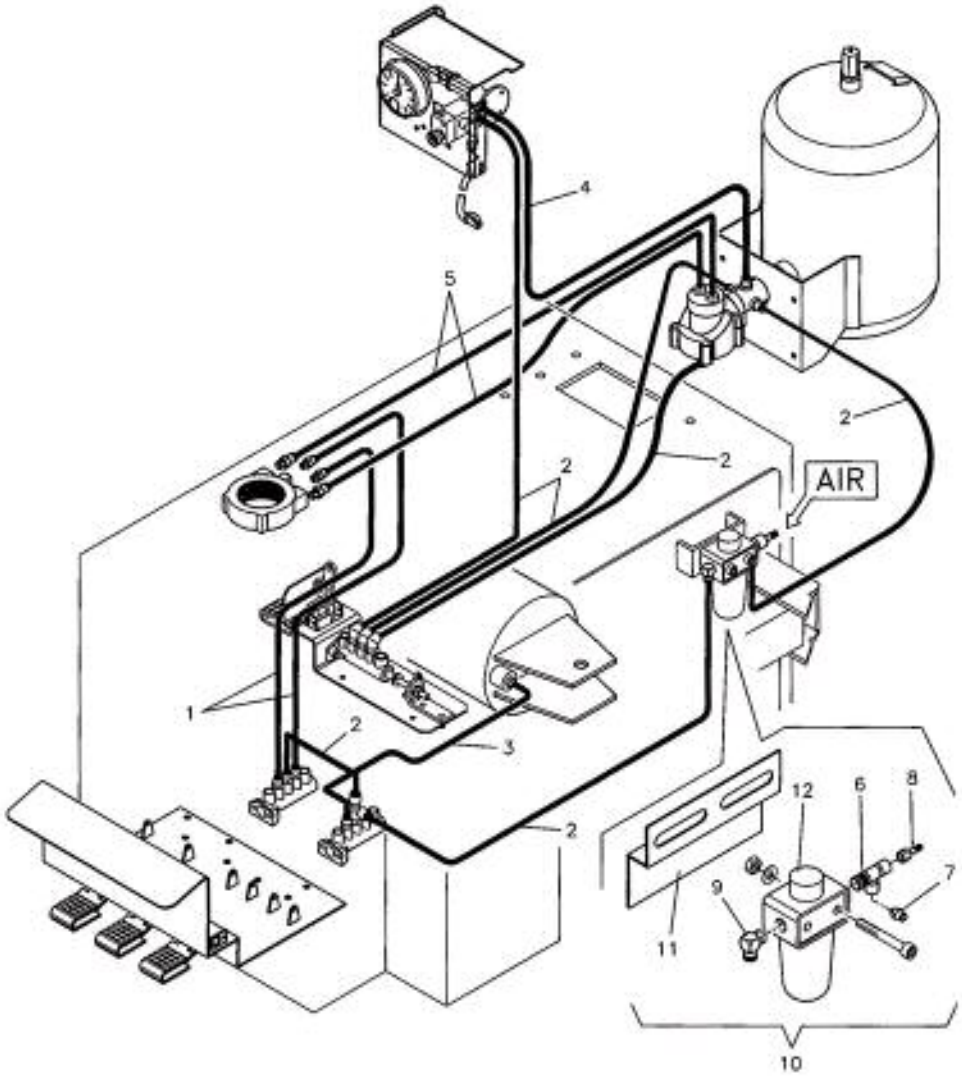
TUBELESS INFLATING



TUBELESS INFLATING (continued)

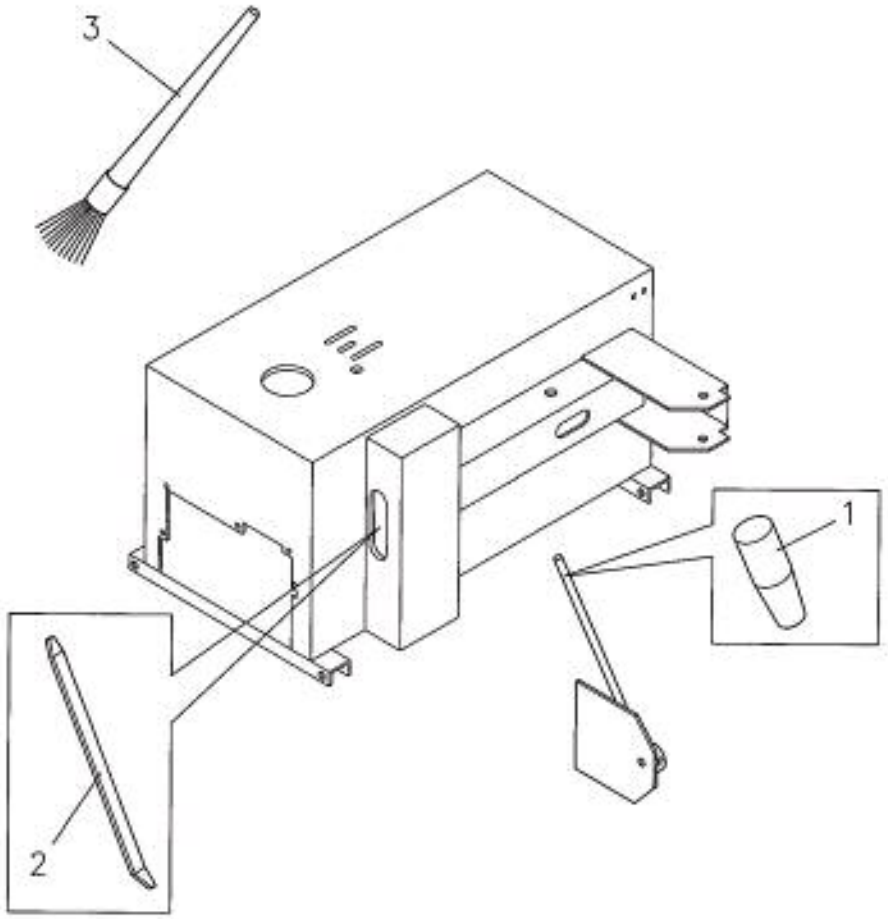
REF	PART #	DESCRIPTION
1	580-3902-50	Tubeless Inflating Group
2	580-3307-10	Tank Assembly with Valve and Fittings
3	580-3170-14	Tube 4 x 2 x 3.00 mm
4	580-3180-10	PVC Screened Tube Ø 13 x 19
5	580-3190-12	Clamp
6	580-3170-07	Airline 8 x 6 mm x 3.0
7	580-3982-82	Tubeless Inflating Valve
8	580-9110-80	Support
9	580-0132-00	Spring
10	580-3251-18	Fitting
11	580-3251-17	Fitting
12	580-0200-40	Spring
13	580-9152-40	Pedal Assembly
14	580-9130-60	GT Pedal Label
15	580-9150-30	Pedal
16	580-9152-50	Pin
17	580-2990-52	Ring
18	580-9903-70	Tubeless Inflating Pedal
19	580-7251-70	Body
20	580-4010-49	“O” Ring
21	580-7251-81	Tank Plug
22	580-3251-08	L-Shaped Fitting 1 x 8 x 6 mm
23	580-3050-16	Fitting
24	580-7151-80	Inflating Valve
25	580-9090-38	Pressure Gauge
26	580-7251-61	Support Steel
27	580-3251-47	Fitting
28	580-3992-41	Inflation Hose w/Cup
29	580-3251-21	L-Shaped Fitting1/4 x 8 mm
30	580-3090-95	Blast Valve
31	580-9118-70	Earcaps Use Label
32	580-3170-06	Airline 6 x 4 x 3 mm
33	580-7902-40	Inflating Unit

PNEUMATIC CIRCUIT



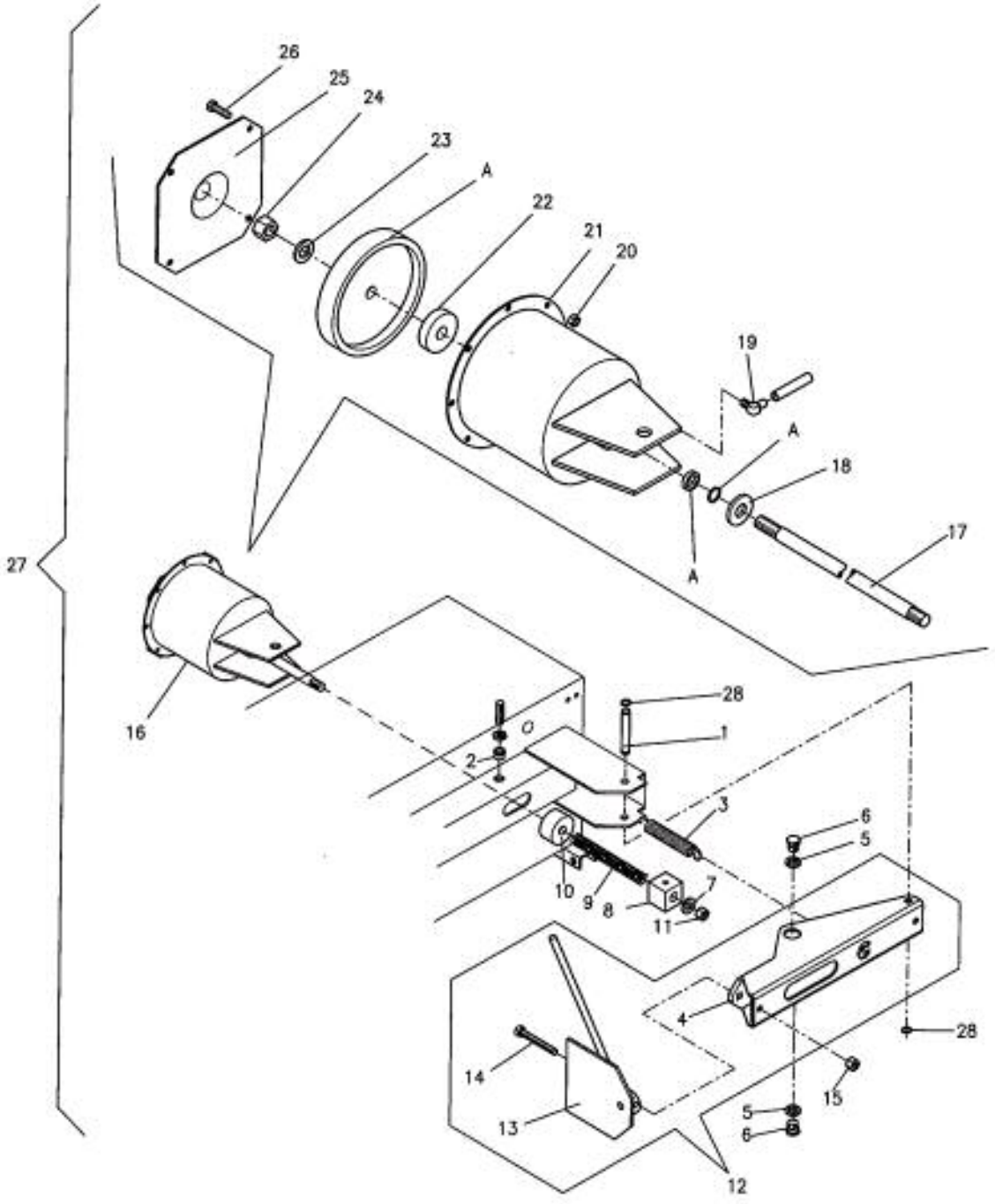
REF	PART #	DESCRIPTION
1	580-3170-06	Airline 6 x 4 mm x 3.0
2	580-3170-07	Airline 8 x 6 mm x 3.0
3	580-3170-10	Airline 10 x 8 mm x 3.0
4	580-3170-04	Airline 8 x 6 x 1.5 mm
5	580-3180-10	PVC Screened Airline 13 x 19 mm
6	580-3060-13	T-Fitting
7	580-3251-21	Disconnect ¼" x 8 mm; L-Shaped Fitting ¼ x 8 mm
8	580-3030-15	Corrugated Fitting
9	580-3251-18	Fitting
10	580-3904-00	Air Treatment Assembly
11	580-1204-20	Bracket
12	580-3992-05	Lubricator

EQUIPMENT



REF	PART #	DESCRIPTION
1	580-9020-78	Hand Grip
2	580-2991-11	Tire Iron
3	580-9990-11	Lube Brush

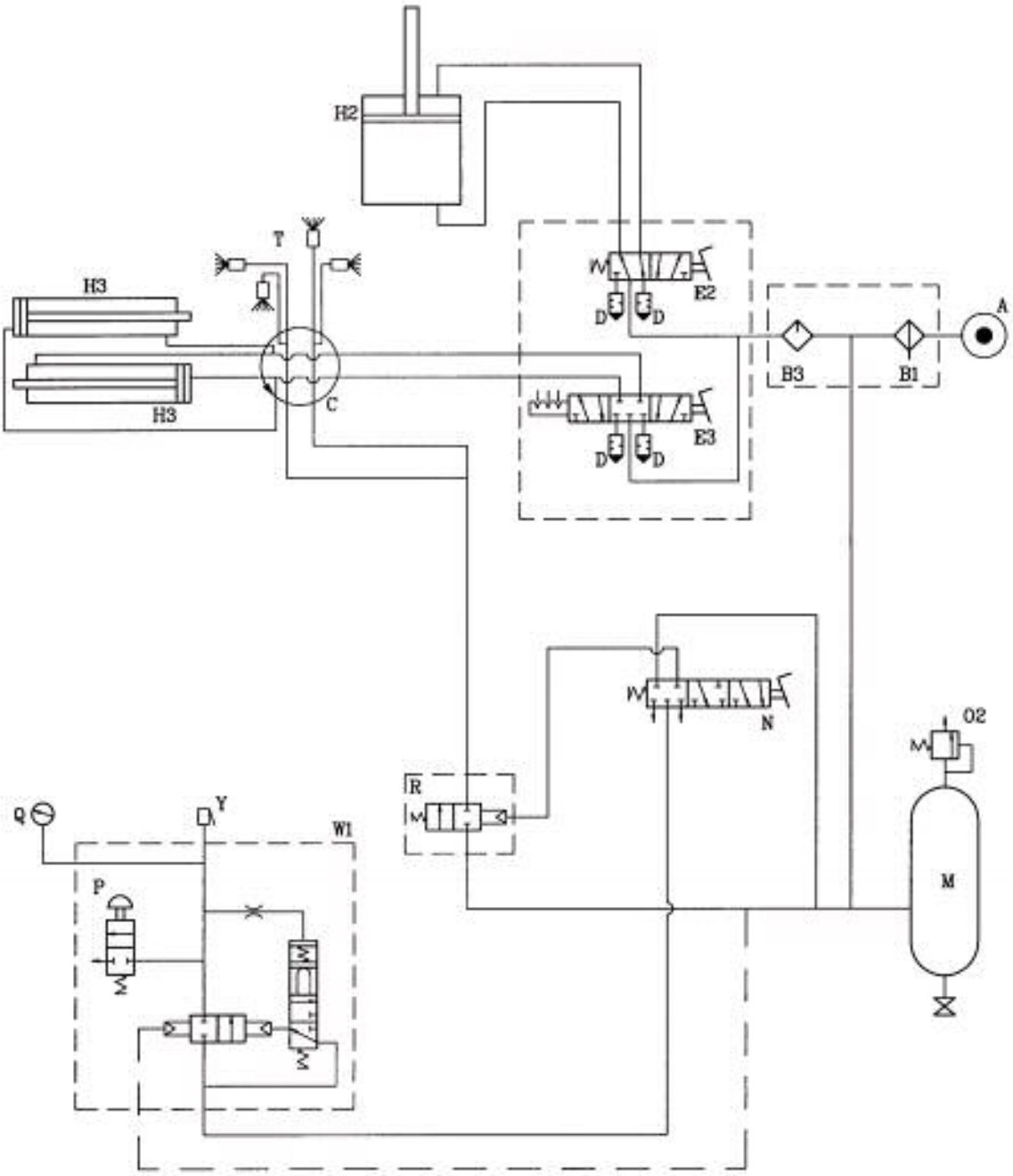
BEAD BREAKER



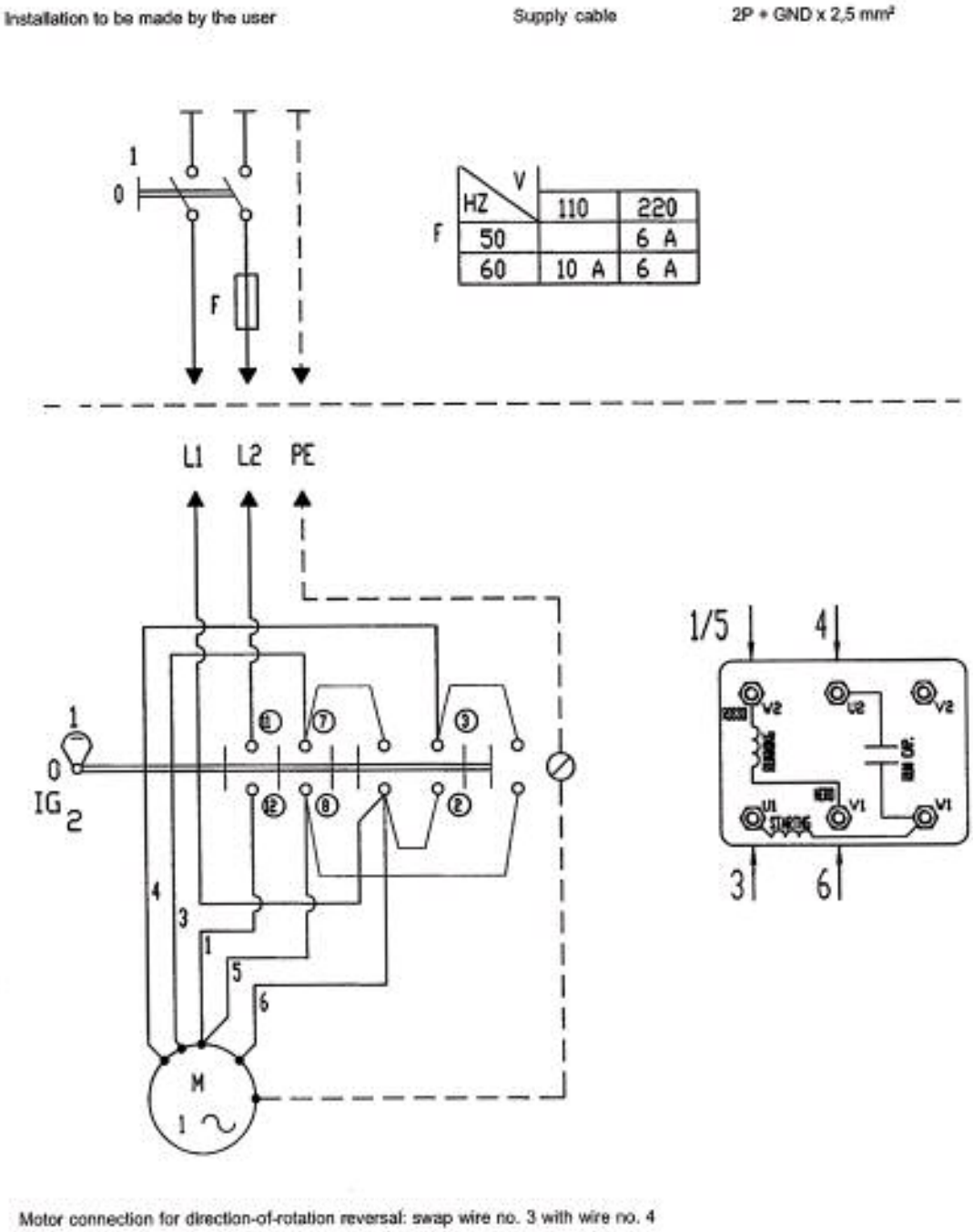
BEAD BREAKER
(continued)

REF	PART #	DESCRIPTION
1	580-0320-07	Pin
2	580-0305-07	Brush
3	580-0101-44	Spring
4	580-3200-12	Bead Breaker Arm
5	580-2375-26	Washer
6	580-3203-30	Pin
7	580-0320-22	Washer
8	580-0320-05	Bead Breaker Attachment
9	580-0320-19	Spring
10	580-0320-18	Shock Absorber
11	580-2280-20	Self-Locking Nut 18 mm x 1.5 mm
12	580-3925-12	Bead Breaker Arm Assembly
13	580-3200-81	Bead Breaker Blade
14	580-9259-00	Pivot Bolt
15	580-2280-06	Self-Locking Nut 12mm x 1.75 mm
16	580-3902-12	Complete Bead Breaker Assembly
17	580-3201-71	Rod
18	580-2370-64	Cut Washer
19	580-3251-07	Fitting
20	580-2280-11	Self-Locking Nut 8 mm x 1.25 mm
21	580-3202-12	Cylinder
22	580-3202-80	Spacer
23	580-2363-00	Washer
24	580-2280-15	Self-Locking Nut 18 mm x 1.5 mm
25	580-8005-38	Rear Flange
26	580-2031-72	Screw 8 mm x 16 mm
27	580-9904-90	SE Bead Breaker Group
28	580-2430-08	External Snap Ring 16 mm
A	580-3710-00	Seal Kit

PNEUMATIC SYSTEM OF THE MACHINE



WIRING DIAGRAM



Motor connection for direction-of-rotation reversal: swap wire no. 3 with wire no. 4

PRO-R KWIK-ASSIST WITH FOLLOWER

The Pro-R Kwik-Assist is essential for dismounting and mounting high performance low profile and EMT (run flat) type tires. Please follow the instructions carefully and observe all cautions and safety warnings.

INSTRUCTIONS FOR USE

DISMOUNTING THE TIRE

NOTE: It is highly recommended to externally clamp all alloy and chrome wheels to prevent damage.

1. The insertion of the jaw between the bead of the tire and wheel flange can be difficult. In order to push the wheel down to create the distance required, expand the table jaws to the fully open position. With the jaws pinned in the proper position for the wheel diameter, place the wheel and tire on the table. Now using the large bead roller wheel, position the device as shown in Figure 10. Press down on the air toggle lever in the control panel until the roller is down onto the wheel and then simultaneously close the table jaws.

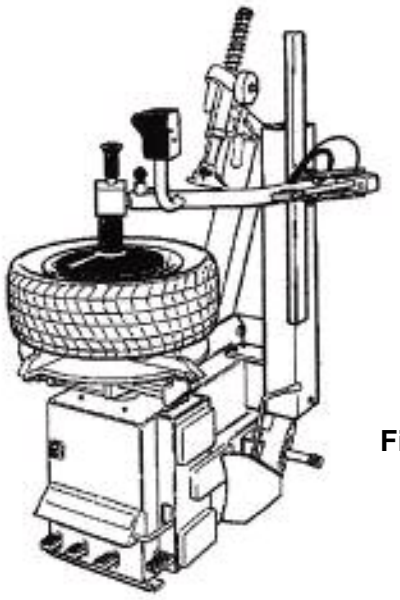
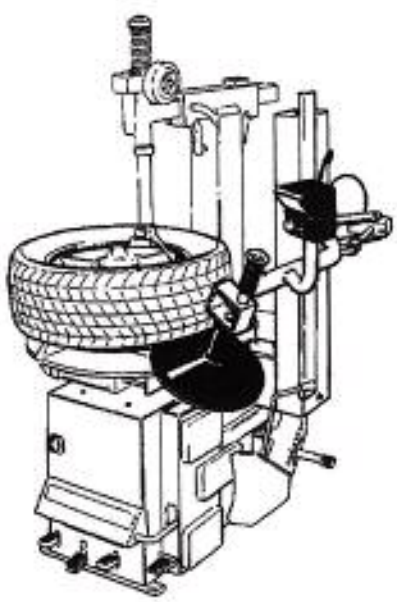


Figure 10

PRO-R KWIK-ASSIST WITH FOLLOWER (continued)

2. Sometimes during the demounting, the lower bead may reseat itself. By using the bead roller wheel as shown in Figure 11, it will not be necessary to remove the wheel in order to repeat the bead breaking operation. To raise the lower bead, manually position the arm so that the bead roller wheel is at the edge of the wheel. While rotating the turntable, raise the bead roller wheel by pushing up on the air toggle lever on the control panel.

Figure 11



PRO-R KWIK-ASSIST WITH FOLLOWER (continued)

3. Remove the upper bead from the wheel flange by insert the bead-lifting tool as described in the standard tire and wheel dismounting section of the manual. On some low profile tires it may be necessary to use the supplementary roller to assist in this operation. See Figure 12

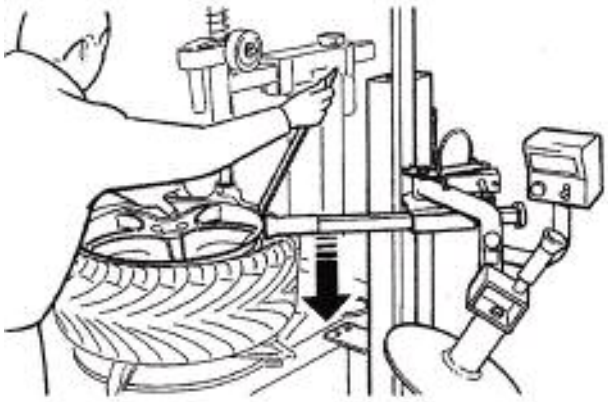


Figure 12

4. Once the upper bead is removed, to remove the tire from the wheel, you can use the supplementary roller as show in Figure 13. Position the roller so that the end of the roller wheel is in contact with the edge of the wheel flange, this establishes the correct diameter position. While holding the tire up, raise the roller and rotate the turntable. The bead will be pushed up over the top wheel flange, thus removing the tire. Have the tilt tower in the rear position to allow for maximum working area.

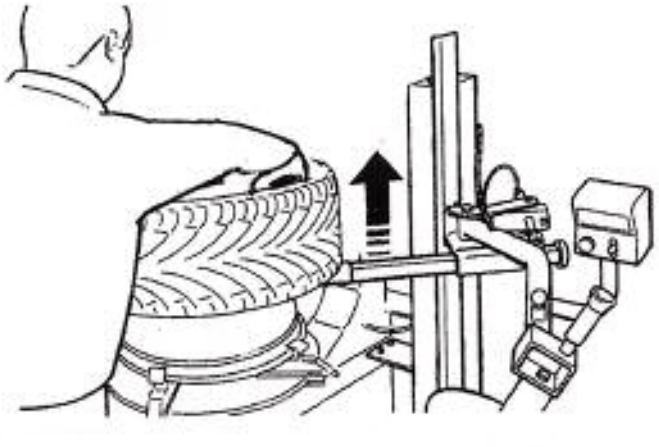
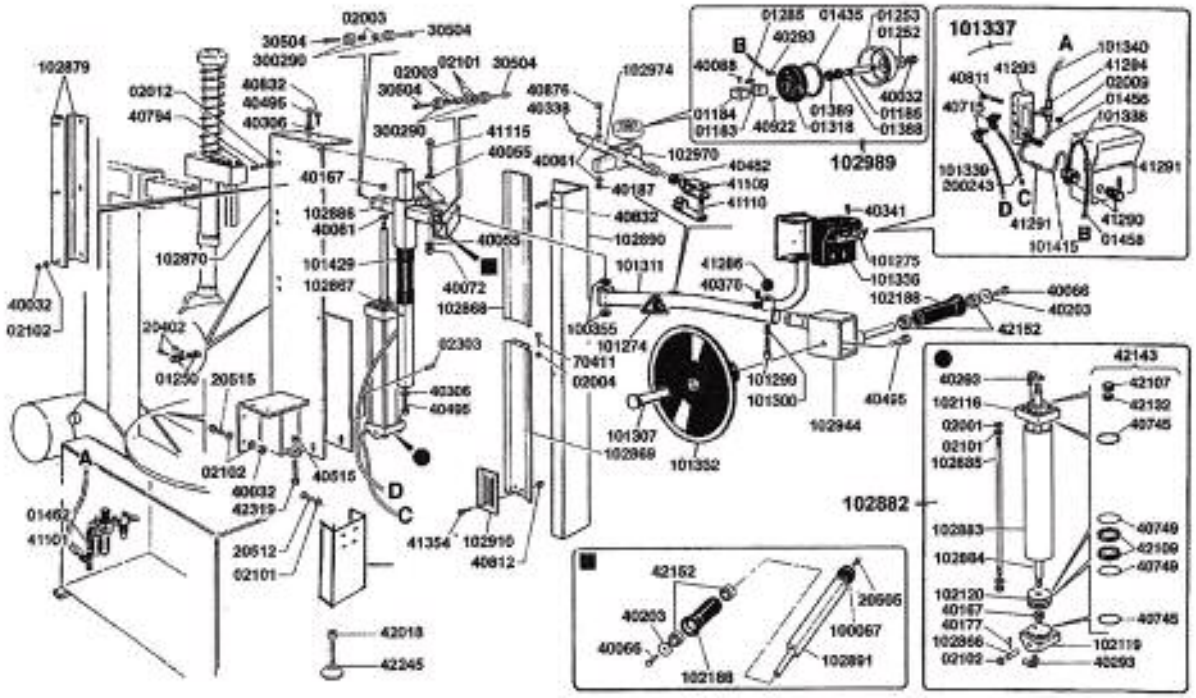


Figure 13

PRO-R KWIK-ASSIST WITH FOLLOWER
PART NUMBER REFERENCES



FOLLOWER ARM

MOUNTING THE TIRE

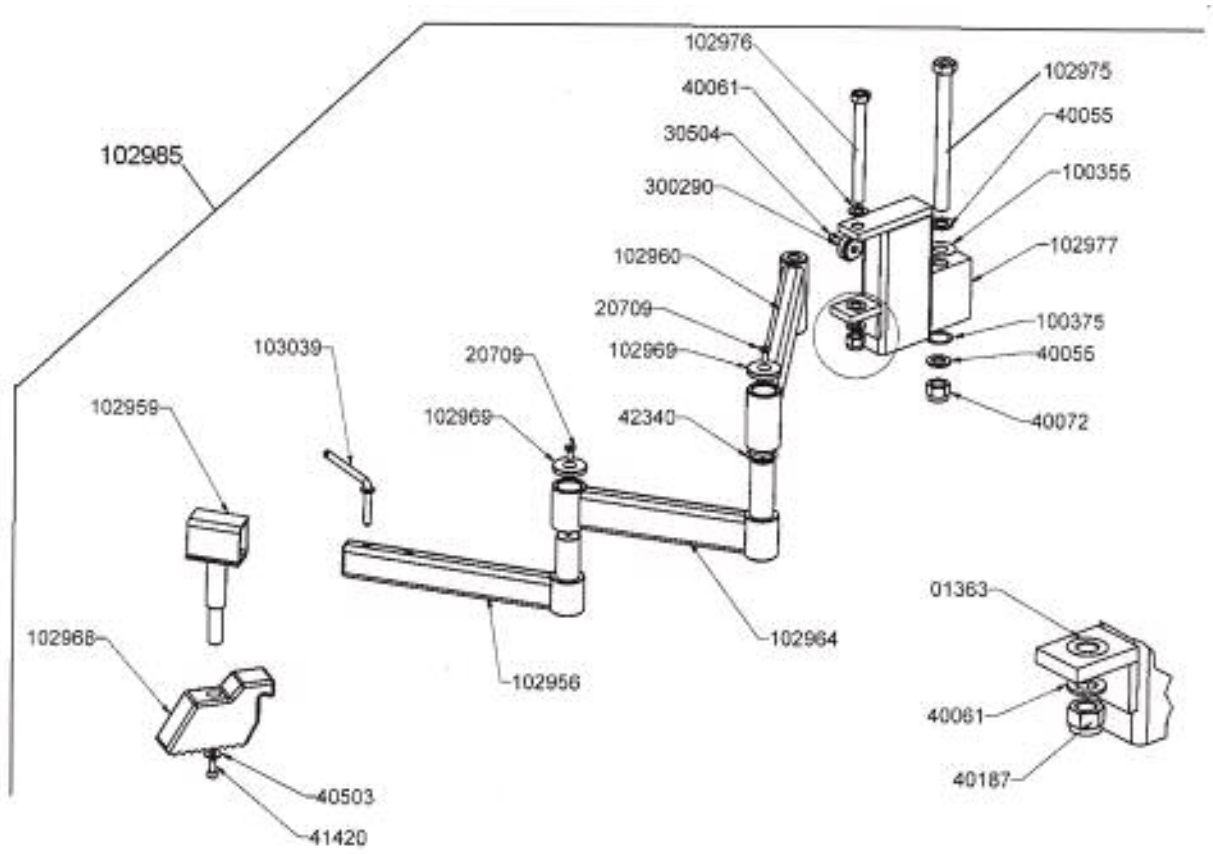
NOTE: The Pro-R Kwik-Assist is fitted with a helper or follower arm, which is designed to help hold the bead into the drop center of the wheel to assist in beading low profile and EMT tires.

1. Install the lower bead onto the wheel following the instructions provided earlier in the remounting section of the manual.
2. Position the supplementary roller on to the tire, with the end of the roller at the wheel flange radius.
3. Position the helper arm on the upper bead just to the right of the supplementary roller. Using the air lever on the Pro-R Kwik-Assist panel push the lever down and position the bead “just’ into the wheel drop center.
4. Step down on the table rotation pedal and carefully rotate the tires, while guiding the upper bead over the mount, demount head. Rotate until the upper bead is installed

CAUTION:
THE FOLLOWER ARM WILL ROTATE WITH THE TIRE, MAKE SURE YOUR HANDS ARE CLEAR OF THE MOVING PARTS.

NOTE: Always use a quality tire lube to assist in the installation of the tire beads.

FOLLOWER ARM
PART NUMBER REFERENCES



Kwik-Way Products Inc.
500 57th St., Marion, IA 52302 USA
319/377-9421
319/377-9101 (FAX)
800/553-5953
www.kwik-way.com
service@kwik-way.com