EEWH326A

Air/Electric Tire Changer

Operation Instructions

Snap-on®

Form ZEEWH326A3 Rev F

SAFETY INFORMATION

For your safety, read this manual thoroughly
before operating the EEWH326A Air-Electric Tire Changer

The EEWH326A Air-Electric Tire Changer is intended for use by properly trained automotive technicians. The safety messages presented in this section and throughout the manual are reminders to the operator to exercise extreme care when changing tires with these products.

There are many variations in procedures, techniques, tools, and parts for changing tires, as well as the skill of the individual doing the work. Because of the vast number of wheel and tire applications and potential uses of the product, the manufacturer cannot possibly anticipate or provide advice or safety messages to cover every situation. It is the automotive technician's responsibility to be knowledgeable of the wheels and tires being changed. It is essential to use proper service methods and change tires in an appropriate and acceptable manner that does not endanger your safety, the safety of others in the work area or the equipment or vehicle being serviced.

It is assumed that, prior to using the EEWH326A Air-Electric Tire Changer, the operator has a thorough understanding of the wheels and tires being changed. In addition, it is assumed he has a thorough knowledge of the operation and safety features of the rack, lift, or floor jack being utilized, and has the proper hand and power tools necessary to service the vehicle in a safe manner.

Before using the EEWH326A Air-Electric Tire Changer, always refer to and follow the safety messages and service procedures provided by the manufacturers of the equipment being used and the vehicle being serviced.

IMPORTANT !!

SAVE THESE INSTRUCTIONS - DO NOT DISCARD !!

SAFETY INSTRUCTIONS

IMPORTANT!! SAVE THESE INSTRUCTIONS!!

Overinflated tires or tires mounted on the wrong sized rims can explode producing hazardous flying debris.

- **Read Operator's Manual before using this Tire Changer.**
- **Never mount tire on rim with different sized diameter.**
- **Never exceed maximum inflation pressure listed on tire sidewall.**
- **(If equipped) Use safety restraint arm to hold wheel in place while inflating.**
- **Always use attached air hose to inflate tires.**

Exploding tires can cause death or serious injury.

Risk of electrical shock.

- **Do not operate equipment with a damaged power cord or if the equipment has been dropped or damaged, until it has been examined by a qualified service person.**
- **If an extension cord is necessary, a cord with a current rating equal to or greater than that of the equipment should be used. Cords rated for less current than the equipment can overheat.**
- **Unplug equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect.**
- **Do not expose the equipment to rain. Do not use on wet surfaces.**
- **Plug unit into correct power supply.**
- **Do not remove or bypass grounding pin.**

Contact with high voltages can cause death or serious injury.

Risk of electrical shock. High voltages are present within the base unit.

- **There are no user serviceable items within the unit.**
- **Service on the unit must be performed by qualified personnel.**
- **Do not open any part of the base cabinet.**
- **Unplug the unit before servicing.**

Contact with high voltages can cause death or serious injury.

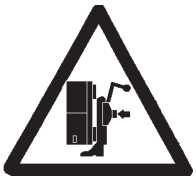
WARNING

Laser guide emits harmful radiation

- **Never look directly into the laser beam**
- **Avoid direct eye exposure**

Prolonged exposure to laser radiation can cause permanent eye damage

Warning !



Risk of crushing. Stand clear of bead breaker arm during operation.

- **Read and understand the operation instructions before using this tire changer.**
- **Become familiar with all controls before proceeding with operation.**
- **Stand away from the bead breaker arm when in operation.**
- **Apply air to breaker in bursts if necessary to control arm depth.**
- **Keep all persons clear of tire changer.**

Contact with moving parts could cause injury.

Warning !

Risk of pinching or crushing hands and fingers when mounting and demounting.

- **Read and understand the operation instructions before using this tire changer.**
- **Keep hands and fingers clear of rim edge during demounting and mounting process.**
- **Keep hands and fingers clear of mount/demount head during operation.**
- **Keep hands and other body parts away from moving surfaces.**
- **Do not use tools other than those supplied with tire changer.**
- **Do not bypass any safety features.**
- **Use proper tire lubricant to prevent tire binding.**

Contact with moving parts could cause injury.

Risk of eye injury. Flying debris, dirt, and fluids may be discharged during bead seating and inflation process.

- **Remove any debris from tire tread and wheel surfaces.**
- **Remove excess tire lubricant or paste before inflating.**
- **Wear approved safety glasses during mount and demount procedures.**

Debris, dirt, and fluids can cause serious eye injury.

Risk of injury. Tools may break or slip if improperly used or maintained.

- **Read and understand the operation instructions before using this tire changer.**
- **Use only the mount/demount tire tool supplied with the tire changer.**
- **Frequently inspect, clean, and lubricate (if recommended) where designated.**
- **Follow procedures when instructed in this manual.**

Tools that break or slip can cause injury.

IMPORTANT !! SAVE THESE INSTRUCTIONS — DO NOT DISCARD !!

⚠DANGER

Tires and rims that are not the same diameter are mismatched.

- **NEVER attempt to mount or inflate any tire and rim that are mismatched.**
- **ALWAYS check to see that tire and rim diameters are the same.**

A mismatched tire and rim could explode causing death or serious personal injury.

⚠WARNING

Over-pressurized tires can explode causing flying debris.

- **Read and understand Operator's Manual before operating.**
- **Keep bystanders away from work area.**
- **ALWAYS wear Safety Goggles.**
- **ALWAYS check to see that tire and rim diameters are the same.**
- **NEVER attempt to mount or inflate any tire and rim with different diameters.**
- **Inspect tires. NEVER inflate tires that are damaged, rotten or worn.**
- **NEVER inflate 'Split Rim Wheels' on this tire changer or remove them and use only an approved safety inflation cage designed for this purpose.**
- **Lock turntable clamp on inside of rim before attempting to inflate tire.**
- **Use approved tire bead lubricant before removing or installing tire on rim.**
- **ALWAYS position the optional "Safety Restraint Arm" over the wheel to hold it to the turntable while inflating if so equipped. (Optional Accessory)**
- **If a tire explodes on this tire changer, STOP using it until the "Safety Restraint Arm" has been replaced, which must be done even if no damage is seen.**
- **NEVER place head or body over a tire during inflation process.**
- **Use short bursts of air to seat tire beads. Check tire air pressure frequently. NEVER exceed tire manufacturer's pressure limits.**
- **NEVER attempt to bypass or alter the built-in air pressure limiter. Only inflate tire with air hose supplied with tire changer. NEVER use shop inflation hose to inflate a tire.**
- **Tire Changer must be anchored to concrete floor if equipped with a "Safety Restraint Arm".**

Exploding tires can cause serious injury.

TABLE OF CONTENTS

1.0 INTRODUCTION

Congratulations on your purchase of the EEWH326A air-electric tire changer. This tire changer is designed for ease of operation, safe handling of rims, reliability and speed. This combination of features means more profit and added versatility for your shop, enabling you to work with aluminum or magnesium alloy wheels with reduced risk of damage. With a minimum of maintenance and care your EEWH326A Air-Electric Tire Changer will provide many years of trouble-free operation.

Please read this manual thoroughly before operating the unit. Instructions on use, maintenance and operational requirements of the machine are covered in this manual.

1.1 SPECIFICATIONS

Operation temperature range: +41/+122 F (+5/50 C)

Air-Electric tilt back tower tire changers for car, light commercial vehicle and motorcycle tires designed for one-piece rims. Dimensions based on OEM tires and wheels only.

Air-Electric	
Air pressure required	140-170 psi (8.5 cfm)
Electrical Requirements	208 - 230v 60hz 12A
Bead breaker force	3300 lbs (kN 15)
Bead Breaker Positions	3
Bead Breaker position #1	3.5” to 13”
Bead Breaker position #2	4” to 14.5”
Bead Breaker position #3	4.5” to 15.5”
Turn Table Operation	Dual Speed with Reverse
Turn Table Torque (lb - ft)	885
Turn Table Speed (RPM)	7 and 14 CW / 7 CCW
Max. tire diameter	40” (mm 1016)
Max. tire width	15” (381mm)
Max. wheel width	15” (381mm)
Rim diameter outside locking	10”-28”(254-711mm)
Rim diameter inside locking	12”-24”(305-609mm)
Motor	1 Hp (kw .75)
Machine weight	766lbs (347kg)
Shipping Weight	854 lbs (387 kg)
Overall dimensions	69” x 41” x 55”
Warranty	2 years

1.2 NOMENCLATURE

Before installing and using the EEWH326A Tire Changer it is suggested that you become familiar with the nomenclature of the machine’s components.

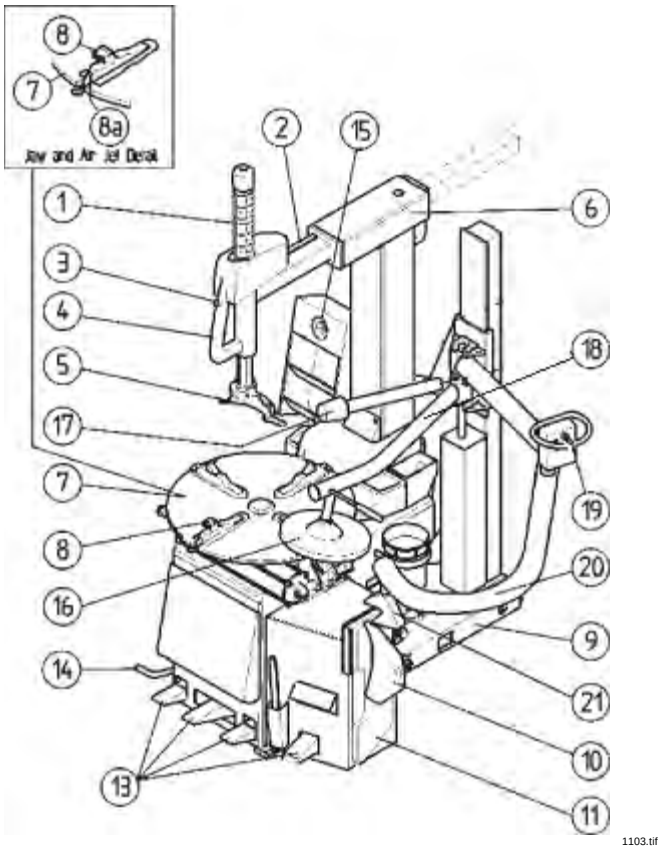


Figure 1.2-1

1 Vertical Hex Shaft
2 Horizontal slide
3 Lock button
4 Handle
5 Mount/Demount Tool or Head
6 Tilting Tower or Column
7 Turntable
8 Clamping Jaws or Rim Clamps
8a Inflation Jets
9 Bead breaker arm
10 Bead breaker blade
11 Bead breaker pads
13 Foot pedal controls
14 Bead Seater/Inflator pedal
15 Inflation gauge

PNEUMATIC BEAD ASSIST
16 Bottom Bead Roller
17 Top Bead Roller
18 Bead Assist Arm
19 Rise/fall control lever
20 Bead depressor arm
21 Bead depressor tool

1.2.1 TURNTABLE & CABINET FEATURES

EEWH326A

INTEGRATED BEAD SEATING JETS - Air inflation jets are integrated into the turntable clamping jaws to insure full bead seating force directly into the tire cavity regardless of tire diameter.

3-position Bead Breaker
Position one covers the range of popular tires (3.5" to 13"). Position two covers many tailer sidewall light truck and SUV tires (4" to 14.5"). Position three covers the larger wheel diameters with low profile performance tires (4.5" to 15").

2-Speed Turntable with Reverse
Forward speed of 14 RPM provides faster throughput when mounting the initial bead, with a 7 RPM standard speed providing precise control and minimizes tearing of tires. In the event the bead becomes jammed up on lower profile performance tires, the 7 RPM reverse mode quickly relieves the mount/dismount head to minimize wheel damage from using a prybar.

Laser guided Mount/Dismount Head
Integrated laser pointer precisely locates the required point to place the mount/de-mount head for tire removal and replacement. This provides an accurate indication of the rim edge via a laser dot to assure correct mount/de-mount head placement right at the wheel edge. Helps avoid the chance for scratching rims or damage to the tire sidewall.

TWIN CYLINDER CLAMPING POWER - Two 3" clamping cylinders provide uniform clamping pressure throughout the stroke (regardless of rim sizes) as well as providing 25% more clamping power than most single clamping cylinder tire changers. Additionally these two smaller cylinders reduce the critical turntable to cabinet distance, reducing the stress on the transmission.

WHEEL CLAMPS

UNIQUE SIX POINT CONTACT CLAMPS
Provide better gripping capability regardless of dirt and moisture.

REDUCED ANGLE CLAMPS
Increases clamping contact area with rim insuring no slippage.

NYLON INSERT SOFT TOUCH CLAMPS
Single sided nylon insert in the clamping jaws provides Nonmetal touch in critical customer visible areas.

VALVE CORE/TIRE TOOL STORAGE CABINET
On tire changer storage area for valves, tools, caulk, etc.

INCOMING AIR PRESSURE GAUGE
Ergonomically located air gauge allows easy operator monitoring of incoming air pressure.

INTEGRATED PRESSURE LIMITER
Integrated safety pressure limiter stops air flow once tire pressure has reached approximately. 55 PSI preventing accidental tire over-inflation.

MOUNT/DEMOUNT ARM ASSEMBLY

ADJUSTABLE SLIDEWAY - Unique adjustable vertical mount/demount hex shaft slideway allows for easy operator adjustment to compensate for any cumulative wear in the slideway causing mount/demount head movement.

NON-SCRATCH NYLON INSERT - Integrated into the mount/demount head is a replaceable scratch resistant nylon insert protecting against accidental rim contact.

CONSTRUCTION DESIGNED FOR DURABILITY

RUST PROOF VALVES AND CYLINDERS - Critical bead breaking cylinder is lined with rustproof polyfiber liner for years of rust free operation. Non-lined cylinders will pit causing bead breaker power loss.

LIFETIME LUBRICATED POLYMER VALVES - Critical foot valves fabricated from glass/fiber self-lubricating material providing years of maintenance free operation.

WATER SEPARATOR AND AUTOMATIC OILER - Lubricates all air used for machine operation, does not lubricate air used for tire inflation, as do some competitive models.

HIGH TORQUE 1HP MOTOR - Industrial strength high torque turntable drive motor eliminates tire remount stalling on low profile high performance tires (UL/CSA approved 208 - 230V 60Hz 12a).

TRANSMISSION - Designed for extremely heavy use, the critical motor to turntable transmission linkage carries a full two (2) year replacement warranty.

PNEUMATIC BEAD ASSIST ARM

Up/Down Control Switch - Toggle switch allows single finger operation of all pneumatic PBA functions, with or without gloves.

Top Bead Roller - Provides easily controlled pneumatic power to drive upper beads down into the wheel drop center (while tire is turning) for easy lubrication prior to dismounting. Also provides pneumatic power assistance for safely remounting second bead on extremely low profile and Run Flat design tires.

Bead Depressor - Provides easily controlled pneumatic power to depress the tires sidewall during the remount cycle. This will prevent premature bead seating before the entire bead has been reinstalled on the wheel. Provides an added level of safety by keeping the technicians hands away from the bead area during this potential pinch point procedure. Additionally the Bead Depressor "follows" the tire around while turning to guarantee successful remount first time every time.

Bottom Bead Roller - Provides easily controlled pneumatic power to unseat stubborn lower beads which may have accidentally reseated after the original bead breaking procedure. Also allows a technician to raise and hold wider tires up, to assist in safely and easily getting the second bead up onto the mount/demount head.

Wheel Centering Depressor - Provides downward pressure on a rim when working to clamp a low profile tire/rim combination. Will assist the technician in correctly seating the rim clamps between the tire and the rim when clamping from outside in where it is difficult to depress the tire sidewall enough to expose the rim edge.

SAFETY RESTRAINT ARM (OPTIONAL)

TIRE/RIM ASSEMBLY RESTRAINT - Safety Restraint Arm restrains tire and rim assembly to the tire machine during the inflation process reducing potential for injury caused by the unlikely event of catastrophic tire or rim failure.

SIMPLE SWING ARM DESIGN - SRA arm easily swings to the left when not in use, allowing the technician to quickly and safely perform the inflation process without disrupting the tire changing procedure.

GRAVITY LOCK - SRA lock mechanism operates without any mechanical cam system eliminating the possibility of system deterioration or mis-adjustment from mechanical wear.

POSITIONING SAFETY INTERLOCK SWITCH - Integrated switch insures that SRA arm is centered on the tire/rim assembly before the inflation process can begin.

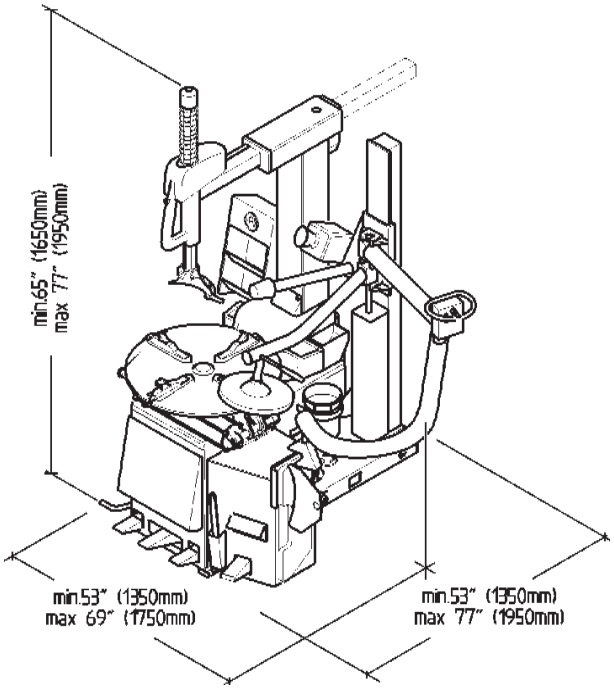
ANTI-ROTATION LOCK - Prevents SRA from rotating horizontally during inflation process.

1.3 ACCESSORIES AND CONSUMABLES

Figure 1.4-1

Item	Image	Description	EEWH326A
EAA0304G32A		Light Truck Adaptors (4 each)	optional
EAA0329G53A		Motorcycle/ATV Adapters 8" - 24" (4 ea)	optional
EAA0331G91A		+4" Adaptors (4 each, use with EAA0304G80A)	standard
EAA0304G80A		+4" Offset Mount/Dismount Head	standard
EAA0304G84A		Mount/Dismount Head, Standard	standard
EAA0332G35A		Motorcycle Mount/Dismount Head	optional
EAA0247G20A		Composite Mount/Demount Head	optional
EAA0304G37A		Plastic Mount/Demount Head for rims with protruding spokes	optional
ST4025966		Bead Depressing Roller, Installs on Mount/Dismount Head	optional
EAA0247G15A		Protective Insert for Mount/Dismount Head (10 Each)	standard
ST4027645		Jaw Protector, Covers Jaw (4 each)	optional
EAC0087G48A		Jaw Protector, Original Replacement (1 ea)	standard
5-14126A		Paste Brush	standard
8-03229A		Paste Bucket	standard
EAA0329G99A		Inflation Hose Assembly	standard
EAA0247G02A		Tire Mounting Bar	standard
EAA0247G04A		Protective Cover (For tire lever EAA0247G02A)	optional
EAA0304G14A		Wave Tire Tool	optional
EAA0247G14A		Motorcycle Bead Breaker Blade	optional
EAA0304G15A		Protective Cover for Bead Breaker Shovel	optional
EAA0304G51A		Roller Board, Bead Breaker	optional
EAA0247G70A		Bead Clamp for Low Profile Tires	optional
EAA0304G72A		Safety Restraint Arm	optional
EAA0329G34B		Pneumatic Bead Assist	standard
EAA0304G52A		Plastic Rim Protector, Clip-on Type (3 ea)	optional
EAA0328G91A		Adjustable bead breaker disc for PBA, for upper bead	optional
EAA0332G32A		Rod with tapered roller for PBA (35mm dia)	optional

1.4 FLOOR AND SPACE REQUIREMENTS



1104

Figure 1.3-1

1.5 GENERAL CAUTIONS

A. DURING THE USE AND MAINTENANCE OF THE MACHINE IT IS MANDATORY TO COMPLY WITH ALL LAWS AND REGULATIONS FOR ACCIDENT PREVENTION.

B. THE ELECTRICAL POWER SOURCE MUST HAVE A GROUND CABLE AND THE GROUND CABLE OF THE MACHINE MUST BE CONNECTED TO THE GROUND CABLE OF THE POWER SOURCE.

C. BEFORE ANY MAINTENANCE OR REPAIRS ARE ACCOMPLISHED THE MACHINE MUST BE DISCONNECTED FROM THE AIR AND ELECTRICAL SUPPLY.

D. NEVER WEAR TIES, CHAINS OR OTHER LOOSE ARTICLES WHEN USING, MAINTAINING OR REPAIRING THE MACHINE. LONG HAIR IS ALSO DANGEROUS AND SHOULD BE KEPT UNDER A HAT. THE USER MUST WEAR PROPER SAFETY ATTIRE - GLOVES, SAFETY SHOES AND GLASSES.

2.0 INSTALLATION

Your new EEWH326A Air-Electric Tire Changer requires a simple installation procedure requiring only a few moments.

Follow these instructions carefully to insure proper and safe operation.

The Tire Changer is delivered mounted to a wooden skid. Remove tire changer from its mounts carefully, taking care to avoid any back strain.

Place Tire Changer where proper operation will be unobstructed to all sides. Install the machine in a covered and dry place.

2.0.1 ANCHORING

Once placed in the desired location the tire changer must be bolted to the floor.

Secure the machine to the floor through the holes provided in the cabinet, using 3/8x2" anchor bolts (Recommended).

2.1 ELECTRICAL INSTALLATION

⚠DANGER

BUILDING ELECTRICAL INSTALLATION MUST BE MADE BY A LICENSED ELECTRICIAN.

Check that the electrical specifications of the power source are the same as the machine. The machine uses 208 - 230v, 60 hz, grounded single phase 12 amp source. Electric specifications are clearly marked on a label at the side of the machine.

⚠DANGER

FAILURE TO PROVIDE PROPER ELECTRICAL SUPPLY AND GROUNDING WILL CREATE A SHOCK HAZARD TO THE OPERATOR.

540

2.2 AIR INSTALLATION

⚠WARNING

THE AIR INSTALLATION MUST BE MADE ONLY BY QUALIFIED PERSONNEL.

⚠WARNING

EXCESSIVE AIR PRESSURE CAN SERIOUSLY INJURE PERSONNEL AND DAMAGE THE MACHINE.

Ensure that the line pressure is within the limits required by the machine. If the pressure exceeds 170 psi (12 bar) it is mandatory to install a pressure regulator before the air inlet of the machine.

If the air pressure is lower than the minimum required of 110 psi (8 bar) the clamping power of the turntable and the bead breaker power may be insufficient for certain tires and substantially reduces tire changer performance. It is suggested that the shop air supply be equipped with a water separator/dryer type modification for maximum performance.

After ensuring all the above proceed as follows:

A. Connect the machine to the air supply with a rubber hose (rated for the pressure) with an internal diameter of no less than 1/2" (12.5 mm).
- The air inlet fitting is ¼" NPT tapered pipe threads.

WARNING! BEFORE CONNECTING THE MACHINE TO THE AIR SUPPLY BE SURE ALL PERSONNEL ARE CLEAR OF THE MACHINE AND NO ITEMS ARE LEFT ON THE TURNTABLE.

B. It is strongly recommended that an air valve shut-off be installed between the shop air supply and the tire changer for routine maintenance and in case of an emergency.

C. Should you install any optional accessories, please refer to the relevant instructions.

D. Ensure the functional ability of the air lubricator by ensuring that the glass sight bowl is filled with air tool lubricant.

2.3 INSTALLATION OF THE MOUNT/DISMOUNT HEAD LASER GUIDE

1. Install the batteries into the unit.

- Remove the four screws securing the front of the unit.
- Insert new batteries by following the polarity indicated.
- Close the cover with the four screws. Check the calibration once a month and after each time the batteries are replaced.

2. Install onto the machine. The pin "A" must be securely assembled by screwing it in the hole (Figure 2.3-1).

Note: Some models may required the removal of a socket head cap screw for placement.

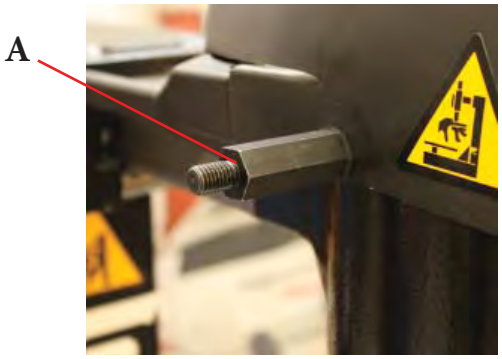


Figure 2.3-1

Note: Use thread locking compound on the threaded part of the pin; Loctite® (2701 or equivalent).

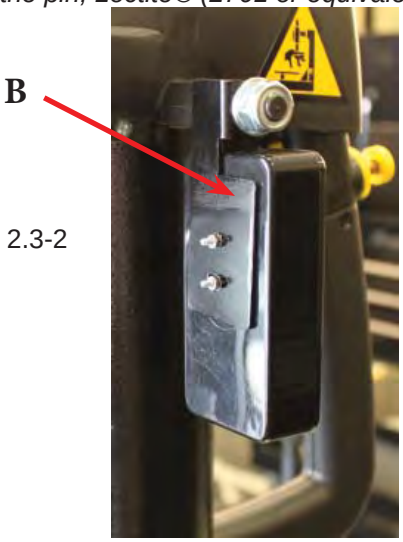


Figure 2.3-2

3. Mount the Laser Guide on the support pin and position it as shown in Figure 2.3-2. Snug but do not tighten the nuts at this point.

2.4 CALIBRATION OF THE MOUNT/DISMOUNT HEAD LASER GUIDE

1. Mount an average size rim without a tire onto the tire changer turntable. A seven or eight inch width is desired.

2. Position the mounting/demounting tool in the fully down position as it would be when servicing a wheel.

3. Switch on the Laser with the switch “C” Figure 2.3-3.

Note: If it is does not work, check and replace the batteries if required. Follow the instructions set out in the MAINTENANCE section.

4. Loosen the large mounting nut “B” and the smaller nuts shown in Figure 2.3-2, and position the Laser Pointer unit so that the beam is just visible on the edge of the rim.

5. Once the pointing position, lock the Laser Pointer unit by tightening the large nut “B” and the smaller nuts *Note: You may have to hold the smaller screws pins with a pair of pliers to facilitate the tightening of the respective nuts.*

The calibration can be considered completed,when the laser pointer remains inside the target in any position, from one end stop of the tool to the other.

Immediately after having mounted the wheel on the tire changer you can use the “Laser Guide” installed on the machine to bring the mounting/demounting tool in position on the edge of the rim.

Figure 2.3-3

3.0 CONTROLS

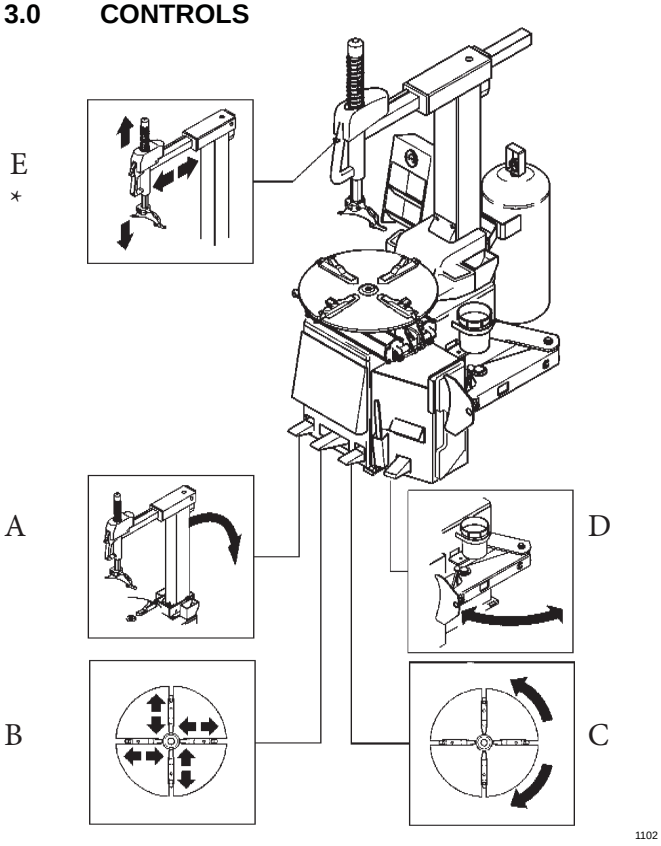


Figure 3.0-1

Before operating the machine, take the time to familiarize yourself with the operation and function of all the controls (Figure 3.0-1).

A Press down and release, the first pedal from the left: the column tilts backwards.
Press again: the column tilts forward.

B Press down and release the second pedal from the left: the jaws of the turntable will retract. Do it again: the jaws will expand. If you press the pedal prior to the end of the stroke and release, the jaws may be stopped in any position.

C Press down and hold, the second pedal from the right: the turntable turns clockwise.

1. 3/4 down approximately, the turntable rotates at the minimum speed (7 RPM). The torque is maximum in this condition.

2. All the way down the turntable rotates at the maximum speed (14 RPM).

Lift the pedal and the turntable turns counter-clockwise (7 RPM).

D Open the bead breaker arm. Press down and hold the first pedal from the right: by doing this you operate the bead breaker blade and the arm will move towards the machine. Release the pedal: the bead breaker blade will retract.

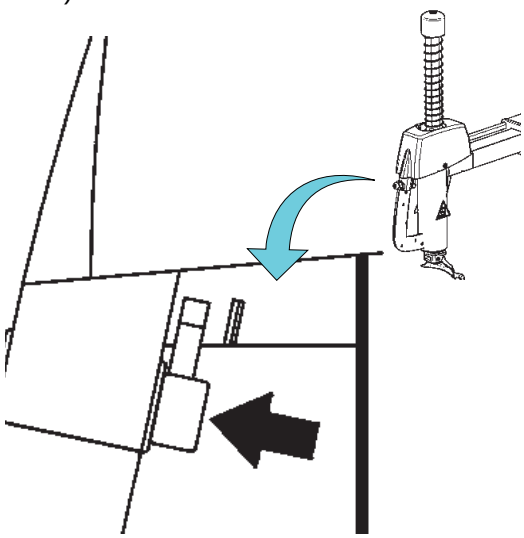
WARNING!
ALWAYS KEEP ARMS AND LEGS AWAY FROM THE BEAD BREAKER STROKE!!

E The push button on the handle allows to release the arms and position the mount/demount tool in the correct position.

* Mount/dismount head laser guide next to the handle acts as a visual guide when indexing the demount head to the wheel's edge quickly and easily, eliminating wheel contact. See Figure 3.0-2

Figure 3.0-2

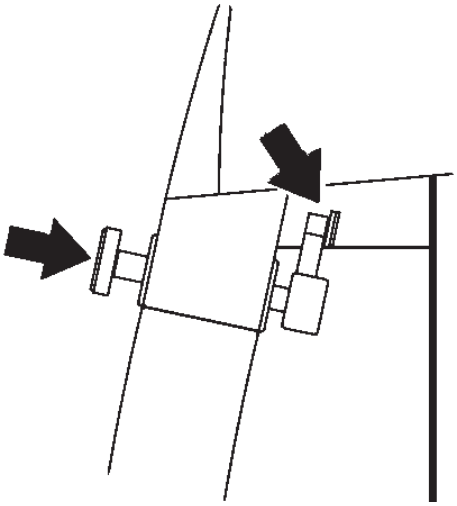
1.
To unlock and let the slide with the tool go up: push the button firmly with the forefinger, in the direction of the arrow (Fig. 3.0-2).



983a

Figure 3.0-2

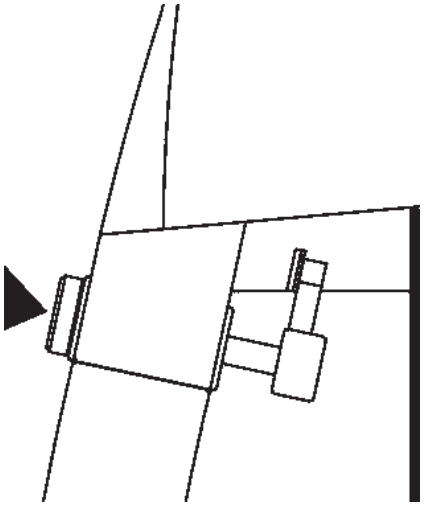
2.
To unlock and let the slide with the tool go down: push the button with the thumb in the direction of the arrow, until the resistance increases (Fig. 3.0-3).



984a

Figure 3.0-3

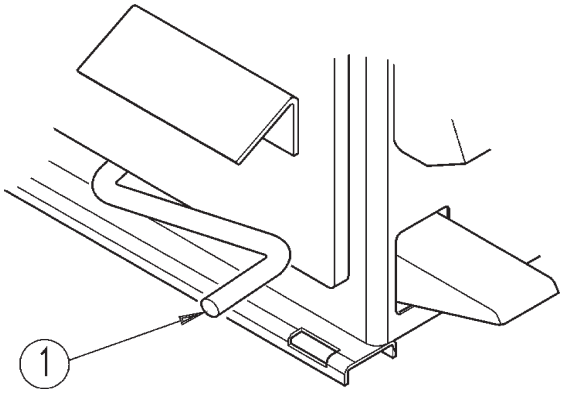
3.
To lock: push the button firmly with the thumb (Fig. 3.0-4).



982a

Figure 3.0-4

F Press bead seater/inflator pedal on left side of the machine half way down (#1 Fig. 3.0-5): air will come from inflation hose end only.



1005

Figure 3.0-5

G Press bead-seater pedal down swiftly to get air blast from the inflator jets. Air simultaneously comes out of inflator hose.

WARNING!!
WHEN OPERATING THE BEAD SEATER IT IS MANDATORY TO WEAR SAFETY GLASSES TO PROTECT EYES.

3.1 PRESETTING OF CLAMPING JAWS

⚠WARNING

MAKE SURE ALL FOUR CLAMPING JAWS ARE POSITIONED IDENTICALLY (FIG. 3.1-1, ITEMS 1 OR 2). OTHERWISE THE RIM MIGHT NOT BE CLAMPED PROPERLY, COME OFF THE CHUCK AND HURT THE OPERATOR!

A Depress first pedal from the left smoothly up to the centre position. If the pedal is released the clamping jaws stop in the position they have reached at the time
.

B Set the clamping diameter according to the dimensions of the rim.

C. To reposition the jaws free the lock pin by applying pressure on the lever (**C**) on the right side of each jaw. Slide the jaws towards the required position and release the lever: make sure the jaw is now locked firmly. Repeat the procedure on all the turntable jaws.

With the jaws in position **1** (1, Fig. 3.1-1), the operative diameter is exactly as indicated by the scale (**A-B**) on the turntable.

With the jaws in position **2** (2, Fig. 3.1-1), add 4” to the value represented by the scales to obtain the effective setting diameter.

Note: Turntable capacity can be changed before pedal control.

⚠WARNING

EACH JAW NEEDS TO BE SET AT THE SAME POSITION.

4.0 MOUNTING AND DEMOUNTING PRECAUTIONS

IMPORTANT!
BEFORE MOUNTING A TIRE ON A RIM, PAY ATTENTION TO THE FOLLOWING:

A. THE RIM MUST BE CLEAN AND IN GOOD CONDITION: IF NECESSARY CLEAN IT AFTER REMOVING ALL WHEEL-WEIGHTS INCLUDING 'TAPE WEIGHTS' INSIDE THE RIM.

B. THE TIRE MUST BE CLEAN AND DRY, WITHOUT ANY DAMAGE TO THE BEAD.

C. REPLACE THE RUBBER VALVE STEM WITH A NEW ONE OR REPLACE THE 'O' RING IF THE VALVE STEM IS MADE OF METAL.

D. IF THE TIRE REQUIRES A TUBE, MAKE SURE THE TUBE IS DRY AND IN GOOD CONDITION.

E. LUBRICATION IS NECESSARY TO MOUNT THE TIRE CORRECTLY AND GET A PROPER CENTERING. BE SURE YOU ARE USING APPROVED LUBRICANT ONLY.

F. MAKE SURE THE TIRE IS THE CORRECT SIZE FOR THE RIM.

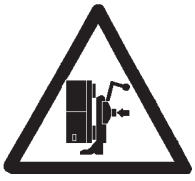
4.1 DEMOUNTING TUBELESS TIRES

A. Remove all wheel-weights from the rim. Remove the valve stem or valve stem core and deflate the tire (Fig. 4.1-1).

535a

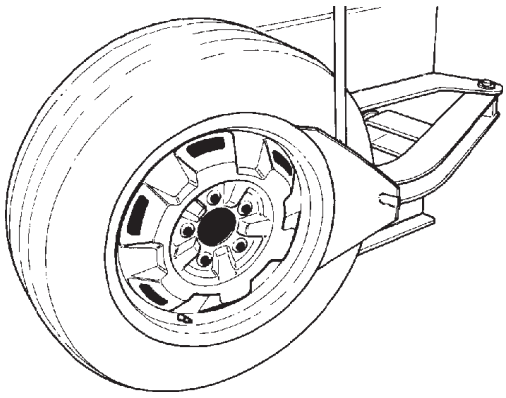
Fig. 4.1-1

Warning !
WATCH YOUR FINGERS AND LEGS!



B. Break both beads.
Hold open the Bead Breaker, roll the tire/rim into the Breaker area (Fig. 4.1-2). Ensure that the tire/rim assembly is flat against the rubber breaker pads on the side of the machine. Make certain that the bead breaker blade is not over the top of any portion of the rim. Now activate the bead breaker pedal. As soon as the bead dislodges from the rim, release the breaker foot pedal. It may be necessary to rotate the tire 90 degrees and repeat the above procedure to dislodge all beads.

Pay extra attention during this operation as it is easy to mistakenly keep your foot on the bead breaking pedal too long. This could potentially result in bead or rim damage (Fig. 4.1-2)



536

Fig. 4.1-2

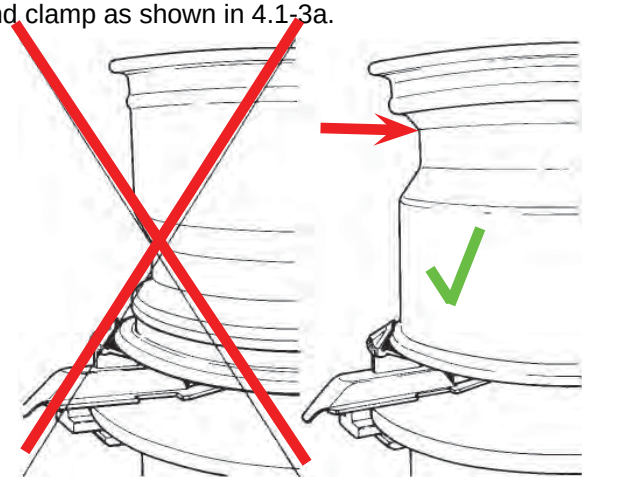
NOTICE !
ON VEHICLES WITH TPMS PRESSURE SENSORS INSTALLED, BREAK THE BEAD AT 90 DEGREES OFFSET FROM THE VALVE STEM. DAMAGE TO THE WHEEL AND/OR SENSOR MAY RESULT IF THE BEAD IS BROKEN AT ANY OTHER POINT ON THE RIM.

C. Set the rim clamps to the proper position: retract clamps to clamp the wheel from the outside.

When clamping small wheels (14" or smaller) from the outside, set the clamps at a diameter nearly equal to the rim diameter before placing the wheel on the clamps. This will help avoid the possibility of pinching the tire as the clamps retract.

NOTICE !
TO MINIMIZE THE RISK OF SCRATCHING ALLOY OR CLEAR COATED RIMS, THESE RIMS ARE CLAMPED FROM THE OUTSIDE. USING OPTIONAL PLASTIC RIM PROTECTION WILL MINIMIZE RIM DAMAGE FROM THE OUTSIDE.

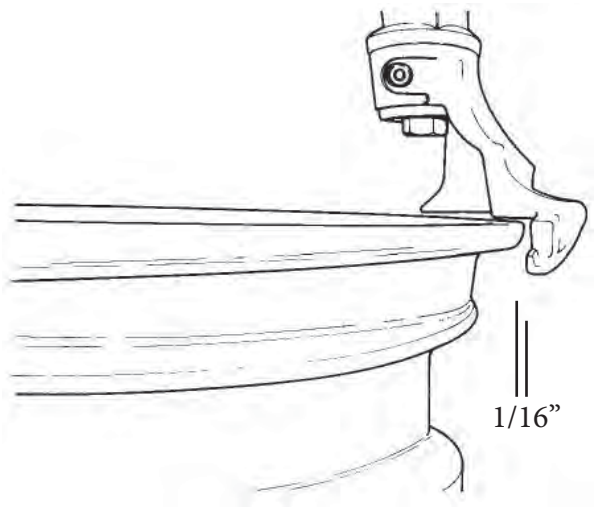
D. Liberally lubricate both beads. Place the wheel **WITH DROP CENTER UP** (Fig. 4.1-3a) on the turntable, and clamp in position. It may be necessary to hold the tire and wheel down while clamping to insure contact between rim and clamp as shown in 4.1-3a.



331

Fig. 4.1-3 Fig. 4.1-3a

E. Gently position the mount/demount head in contact with the rim edge and lock it into place: the tool automatically moves away from the rim edge vertically and horizontally, approximately 1/16" (2mm): this is necessary to avoid any rim contact during the changing process. (Fig. 4.1-4).



332a

Fig. 4.1-4

E. OPERATION OF THE LASER GUIDE

- Switch on the Laser Guide with the switch.
- Move the tilt tower to the work location if not already placed.
- Move the tire changer hexagonal rod out so the laser dot is placed on the rim edge.
- Lower the mount-demount tool onto the edge of the rim as directed by the laser pointer. The mounting head should not touch the rim edge.
- Lock the tool in place with the hand control button.

WARNING: MOVE YOUR HANDS AWAY FROM THE RIM BEFORE OPERATING THE TOOL DOWN-STROKE.

Note: Switch off the Laser Guide once positioned.

NOTE:

DANGER!!
Keep hands and fingers clear of mount/demount head during operation.

YOUR MACHINE IS SHIPPED WITH SEVERAL REPLACEMENT PLASTIC INSERTS (INSIDE STANDARD EQUIPMENT PACK). THE PLASTIC INSERTS WILL HELP AVOID DAMAGE FROM ACCIDENTAL CONTACT BETWEEN THE MOUNT/ DEMOUNT HEAD AND THE RIM. THE PLASTIC INSERTS WILL NEED TO BE PERIODICALLY REPLACED.

MAINTENANCE NOTE:
IF THE MOUNT/DEMOUNT HEAD NYLON INSERTS ARE WEARING OUT PREMATURELY, THE CAUSE IS MAINLY THE INCORRECT POSITIONING OF MOUNTING HEAD ON THE RIM. THIS STRESSES INSERTS WHICH KEEP GRANTING THE RIM PROTECTION BUT REDUCE THEIR LIFE.

NOTE:
ONCE THE MOUNT/DEMOUNT HEAD IS POSITIONED PROPERLY, IDENTICAL WHEELS MAY BE CHANGED WITHOUT HAVING TO RESET THE HEAD.

NOTE:
ON VEHICLES WITH TPMS SENSORS, LOCATE THE SENSOR AWAY FROM THE BEAD OF THE DROP CENTER. ALSO MAKE SURE THE TIRE LEVER DOES NOT CONTACT THE SENSOR DURING THE MOUNT OR DEMOUNT PROCESS. DAMAGE TO THE WHEEL AND/OR SENSOR WILL RESULT IF THE BEAD IS BROKEN AT ANY OTHER POINT ON THE RIM.

F. Insert the mount/demount tool between the bead and the mount/demount head. Pry the bead onto the mount/demount head using the mount/demount head as the leverage point. To make this operation easier, insure that the bead of the tire, 180º across from the mount/demount head, is in the drop center of the wheel. Push the tire into the drop center with your hand or bead depressor tool if necessary.
It is suggested that the mount/demount tool be removed after lifting the bead onto the mount/demount head (Fig. 4.1-5), however, you may remove the tool after the bead has been removed.

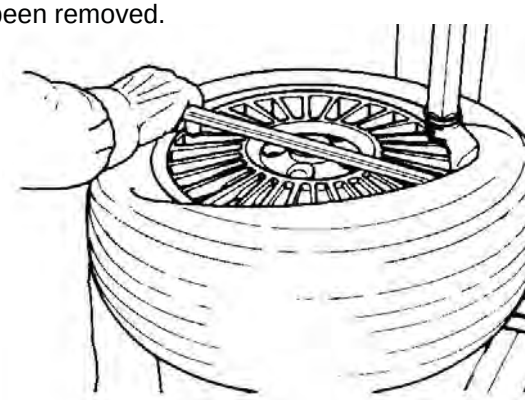
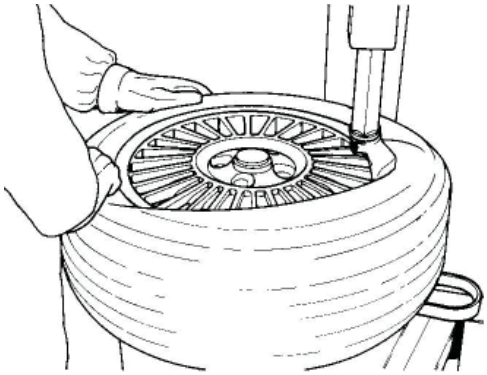


Fig. 4.1-5

G. Rotate the turntable clockwise (7 RPM Pedal Position) and, at the same time, push down on the tire sidewall to move the bead into the drop center of the rim (Fig. 4.1-6).



334

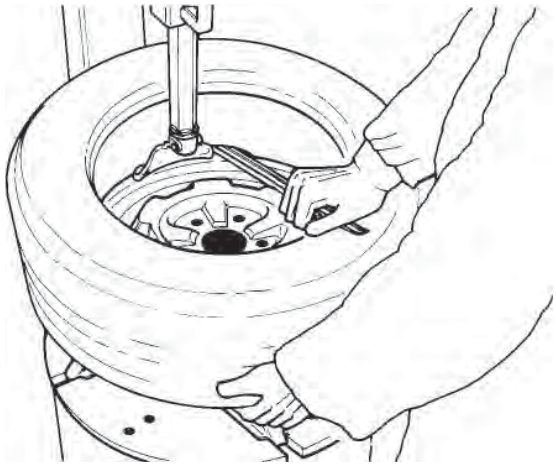
Fig. 4.1-6

H. Repeat the process for removing the lower bead. This time, lift the bead opposite to the mount/demount head to keep it in the drop center (Fig. 4.1-7).

For this operation the 14 RPM Pedal Position can be used.

If you meet difficulty during this operation, use the bead presser assist device PBA (see chapter 5.3).

Tilt the column backwards and remove the tire.

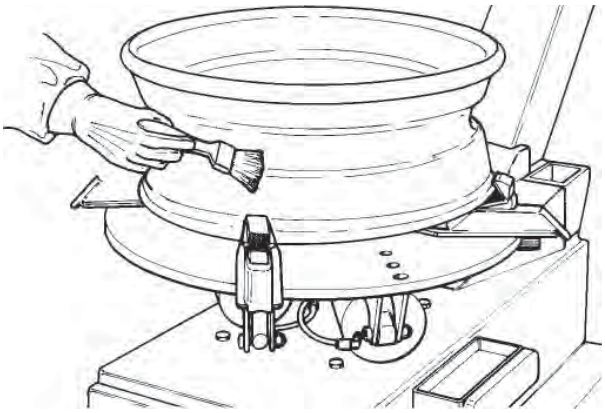


335

Fig. 4.1-7

4.2 MOUNTING TUBELESS TIRES

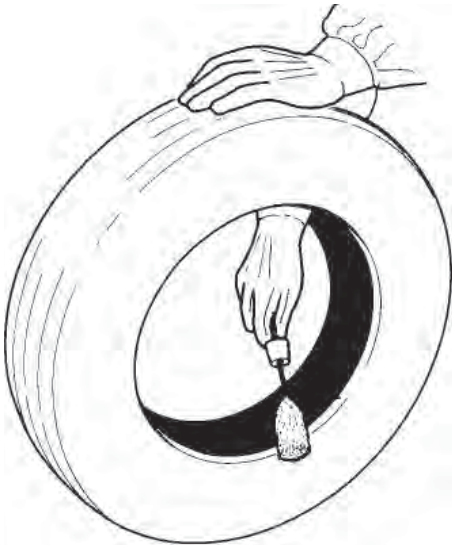
A. Clean entire rim surface (Fig. 4.2-1).



336

Fig. 4.2-1

Liberally lubricate both beads of the tire with approved tire lubricant (Fig. 4.2-2).



337

Fig. 4.2-2

NOTICE!
THESE LUBRICATION OPERATIONS ARE NECESSARY TO MOUNT THE TIRE CORRECTLY AND GET A PROPER CENTERING ON THE RIM. BE SURE YOU ARE USING APPROVED LUBRICANT ONLY.

NOTICE!
SOME TIRES HAVE A COLOR DOT THAT IS TO BE KEPT ON THE OUTSIDE OF THE WHEEL AND IS TO BE ALIGNED WITH THE VALVE STEM. IF THIS IS THE CASE BE SURE TO ATTAIN PROPER ALIGNMENT PRIOR TO TIRE INFLATION.

NOTICE !
ON VEHICLES WITH TPMS SENSORS, LOCATE THE SENSOR (USUALLY WITH STEM) 90 DEGREES FROM THE MOUNT/DISMOUNT HEAD. DAMAGE TO THE WHEEL AND/OR SENSOR WILL RESULT IF THE BEAD CONTACTS THE TPMS SENSOR DURING THE MOUNT PROCEDURE.

B. Lock the rim to the turntable and rotate it so that the valve is at the 2 o'clock position. Place the tire to be mounted on the rim. Tilt the column forward in so that the mount/demount head is in the working position. (Fig. 4.2-3) Position the lower bead on top of the mount/demount head and UNDER the mounting finger of the mount/demount head (Fig. 4.2-3). Turn the wheel clockwise (right pedal down) while simultaneously pushing the tire down into the drop center, opposite to the mount/demount head. For this operation the 14 RPM Pedal Position can be used.

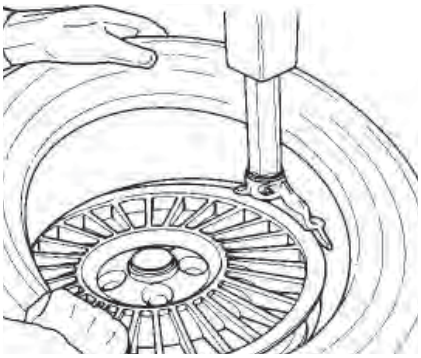


Fig. 4.2-3

C. Mount the upper bead following the same directions in section B. With low profile tires the Bead Holding Clamp (optional part # EAA0247G70A) or the PBA device (See chapter 5.3), can help to prevent the top bead from prematurely seating during the mounting cycle. For this operation the 7 RPM Pedal Position can be used.
NOTE: Bead Holding Clamp must be removed prior to coming full circle and impacting the mount/demount head.

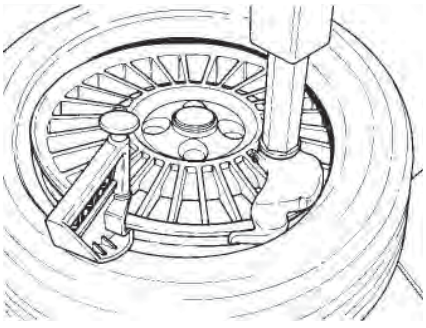


Fig. 4.2-4

4.3 IF THE TOP TIRE BEAD IS DIFFICULT TO MOUNT

Follow these instructions using the Bead Holding Clamp (optional) or the PBA device.

A. After installing, the bottom bead insert the tire tool to the left of the bead head as shown (Fig. 4.3-1a). To protect decorative rims use protective sleeve p/n EAA0247G04A (optional).

1077

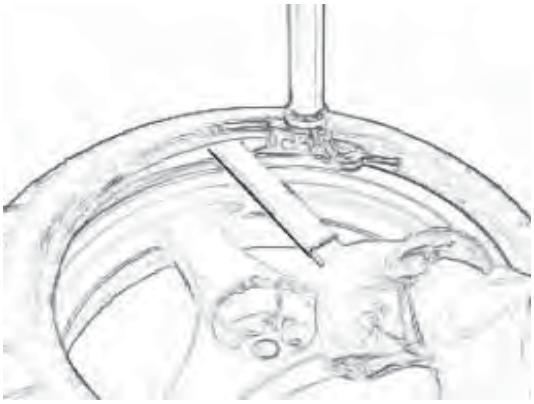
Fig. 4.3-1a

B. Step on the foot pedal to rotate the turntable clockwise until the tire lever is tight against the bead head using the 7 RPM Pedal Position.

C. Using your right hand push and hold the tire bead opposite the bead head into the rim drop centre.

D. Position the bead clamp to hold the tire bead into the rim drop centre (Fig. 4.3-1).

E. As the turntable is turning use the tire tool in your left hand to raise and guide the tire bead onto the bead head (Fig. 4.3-1b).



1076

Fig. 4.3-1b

F. Continue to rotate the turntable until the top bead is mounted. Do not remove the tire tool or bead clamp until the foot pedal is released.

4.4 INFLATION OF TUBELESS TIRES.

Make sure that both beads are properly lubricated.

⚠DANGER

BEFORE INFLATING A TIRE, CHECK THE CONDITION OF THE TIRE AND THE RIM.

BEAD SEATING IS THE MOST DANGEROUS PART OF MOUNTING A TIRE.

IT IS POSSIBLE TO INCORRECTLY MOUNT TIRES THAT ARE 1/2" SMALLER IN DIAMETER THAN THE RIM THAT THEY ARE MOUNTED ON. WHILE THESE BEADS WILL SEAL, IT IS IMPOSSIBLE TO GET THEM TO SEAT IN THEIR PROPER POSITION.

EXPLOSION OF A TIRE MAY CAUSE SEVERE INJURY OR DEATH.

NEVER EXCEED THE MAXIMUM PRESSURE ALLOWED BY THE TIRE MANUFACTURER.

IF YOU CLAMPED THE RIM FROM THE OUTSIDE IT MUST BE UN-CLAMPED WHEN INFLATING BUT ONLY AFTER THE SRA IS IN PLACE.

NEVER INFLATE A TIRE USING ANYTHING BUT THE INFLATION HOSE ON THE TIRE CHANGER. INFLATION OF TIRES USING SHOP AIR IS ONLY RECOMMENDED IF THE TIRES ARE IN AN APPROVED SAFETY CAGE.

THE OPERATOR MUST STAND CLEAR FROM THE WHEEL WHEN INFLATING, AND PRESSURE MUST BE MONITORED FREQUENTLY TO AVOID OVER INFLATION.

Inflate tire according to manufacturer's recommendations.

Due to unusual configurations or the stacking of tires the inflation process may be difficult. To assist with this problem the Tire Changers are equipped with bead seater jets integrated into the tabletop.

To utilize the bead seater proceed as follows:

A. Swing the SRA arm assembly (optional, if equipped) so the rubber retainer is centered over the rim. Note that air pressure to the inflation hose will not flow until the arm is centered over the rim.

B. Connect the inflation hose to the valve stem.

C. Lift the tire with both hands so that the upper bead is seated to the rim edge (Fig. 4.4-1).

340

Fig. 4.4-1

DANGER

NEVER STAND OVER TIRE WHEN ATTEMPTING TO SEAT BEADS OR DURING INFLATION.

D. Press the inflation pedal down swiftly to the end of its travel to activate the bead seater jets. (Page 10 Fig. 1.2-1 item 8)
The top bead is already sealed by the lifting motion. Therefore, the air from the bead seater jets will enter the tire impacting on the top sidewall and rebound into the bottom sidewall driving it into place and seating the bead, creating an air seal.

WHEN OPERATING THE BEAD SEATER, ALWAYS WEAR SAFETY GLASSES TO AVOID INJURY TO EYES.

E. Install valve core, if removed. Complete inflation to manufacturer's suggested pressure. Never exceed pressure listed on tire sidewall.

5.0 DEMOUNTING TUBE-TYPE TIRES

A. For breaking the bead operate as described for the tubeless tires in section 4.1. point A to F.

In this case the valve is part of the tube.

NOTICE!

BE CAREFUL NOT TO DAMAGE THE TUBE DURING THE BEAD-BREAKING OPERATION. THE VALVE SHOULD BE OPPOSITE TO THE BLADE OF THE BEAD BREAKER.

B. To demount the first bead, place the valve at 2 o'clock position.

NOTICE!

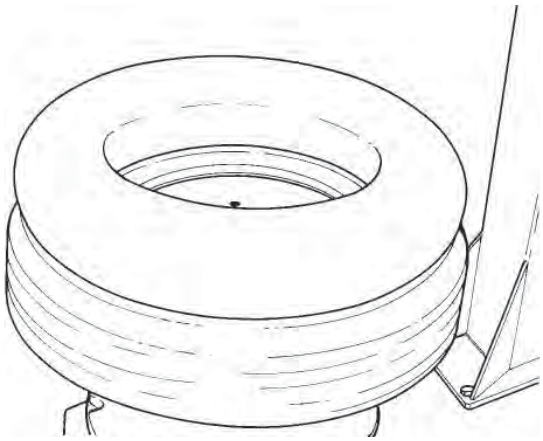
BE CAREFUL NOT TO CATCH THE TUBE WITH THE MOUNT/DEMOUNT TOOL, WHEN LIFTING THE BEAD ON THE MOUNTING FINGER.

After demounting the first bead carefully, remove the tube before demounting the second bead, as described in section 4.1.

5.1 MOUNTING TUBE-TYPE TIRES

A. Perform steps described in section 4.2.A.
DO NOT lubricates the tube. Talc can be used to assist with tire positioning if necessary.

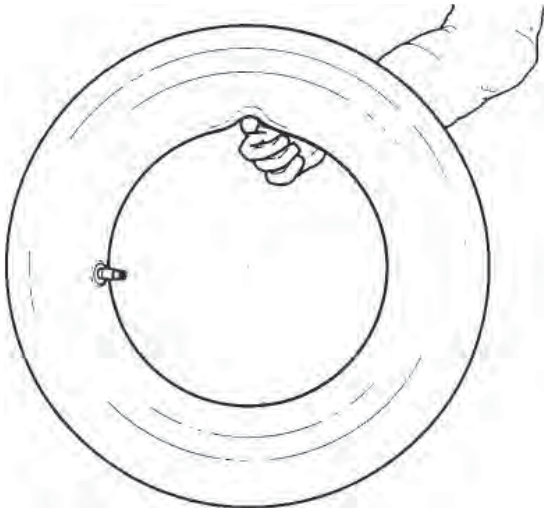
B. Confirm that the tube is the correct size for the tire to be mounted. (Fig. 5.1-1).



341

Fig. 5.1-1

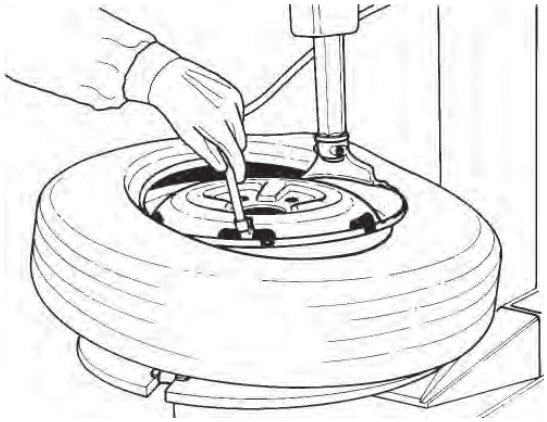
C. Inflate the tube slightly: if held with the index finger it should bend a little (Fig. 5.1-2).



342

Fig. 5.1-2

D. Mount the first bead as described in section 4.2.B. Put the tube inside the tire and connect the inflation air line to the tube valve to hold the tube in place. (Fig. 5.1-3). Mount the top bead following the directions above.



343

Fig. 5.1-3

5.2 INFLATING TUBE-TYPE TIRES.

Make sure that both beads are properly lubricated.

⚠DANGER

BEFORE INFLATING A TIRE, CHECK THE CONDITION OF THE TIRE AND THE RIM.

BEAD SEATING IS THE MOST DANGEROUS PART OF MOUNTING A TIRE.

NEVER STAND OVER TIRE WHEN ATTEMPTING TO SEAT BEADS OR DURING INFLATION.

IT IS POSSIBLE TO MOUNT TIRES THAT ARE 1/2" SMALLER IN DIAMETER THAN THE RIM THAT THEY ARE MOUNTED ON. WHILE THESE BEADS WILL SEAL, IT IS IMPOSSIBLE TO GET THEM TO SEAT IN THEIR PROPER POSITION.

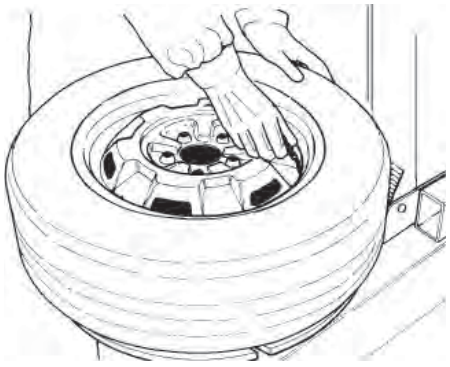
EXPLOSION OF A TIRE MAY CAUSE SEVERE INJURY OR DEATH.

NEVER EXCEED THE MAXIMUM PRESSURE ALLOWED BY THE TIRE MANUFACTURER.

THE RIM MUST BE UN-CLAMPED WHEN INFLATING.

THE OPERATOR MUST STAND CLEAR FROM THE WHEEL WHEN INFLATING, AND PRESSURE MUST BE MONITORED FREQUENTLY TO AVOID OVER INFLATION.

To inflate the tire unlock the rim and start inflating while pressing the valve towards the inside (this is necessary to avoid air pockets forming between tube and the tire) (Fig. 5.2-1).



537

Fig. 5.2-1

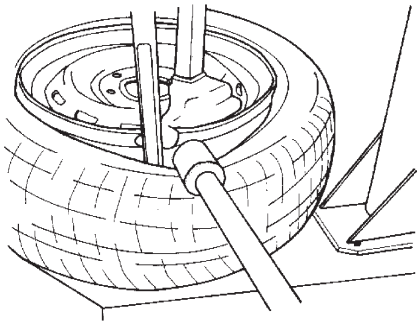
Ensure that the tire is correctly centered on the rim and complete inflation.

5.3 OPERATING THE PNEUMATIC BEAD ASSIST

The EEWH326A Air-Electric Models is equipped with a specially designed “Pneumatic Bead Assist Device” (referred to as the PBA). The PBA offers the combined benefits of both reducing the amount of physical exertion required by the tire technician as well as providing an added level of safety by allowing the machine to do the work rather then the technician. Simply put the PBA allows the technician to apply pneumatic power when most needed in the tire changing process.

The PBA consists of three separate devices which are attached to a powerful pneumatic cylinder which raises and lowers the devices as needed.

First is the Upper Bead Roller. The Bead Roller can be used to drive stiff upper beads down into the drop center of the rim. This function will be useful both when lubricating a tire prior to being removed from the rim as well as when remounting the second bead of a High Performance or Runflat design tire (Fig. 5.3-1).



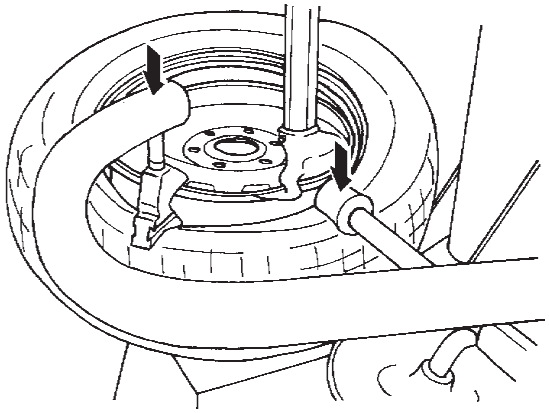
901

Fig. 5.3-1

Move the bead roller into position overtop of the tires sidewall. While the turntable is turning lower the roller down into contact with the sidewall. Depress the bead down 1-2” now you may insert the lubrication swab to safely lubricate the upper bead.

Second is the Bead Depressor. The Bead Depressor consists of a formed rubber head mounted on a movable arm designed to comfortably depress the tires sidewall. The size and mobility of the arm will allow the formed head to depress the tire at any position around the 360 degrees of rotation. The Bead Depressor will be useful numerous times throughout the remount cycle. When remounting a tire the bead depressor will ensure that the bead stays down in the drop center of the rim until the entire bead has been remounted onto the rim.

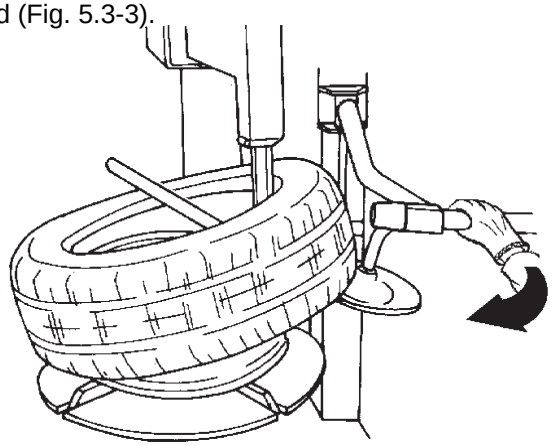
Once the first bead has been remounted move the bead depressor into position just behind the mount demount head. Now depress the second bead down 1-3” . Activate the turntable, as the second bead moves across the mount/demount head the bead depressor will follow the tire around and ensure that the bead does not prematurely seat causing the mount/demount head to jam (Fig. 5.3-2).



905

Fig. 5.3-2

The third tool integrated into the PBA is the Bottom Bead Roller. This device will be useful at several times during the demount cycle. First the bottom roller can be used to unseat a stubborn lower bead which may have re-seated after the bead breaking process and before tire removal. Secondarily the lower disk can be used to hold a wide tire up after the first bead has been removed. This will assist in getting the second bead up onto the mount demount head (Fig. 5.3-3).



903

Fig. 5.3-3

When working to loosen a stubborn lower bead simply swing the bottom bead roller under the lower sidewall and apply slow upward pressure. Be careful not to mistakenly swing far enough in to contact the rim.

When working to safely secure the second bead for removal, insert the tire tool all the way past first and second bead. Now swing the bottom bead roller into position under the lower sidewall and lift. As the sidewall comes up, so will the tire bar easily flipping onto the mount/demount head.

5.4 MOUNTING AND DEMOUNTING MOTORCYCLE TIRES

To mount and demount motorcycle/ ATV or motor-scoter wheels it is necessary to utilize the optional 8" motorcycle jaws.

The bead-breaking, mounting and demounting technique is the same as per the car, tubeless or tube-type tires.

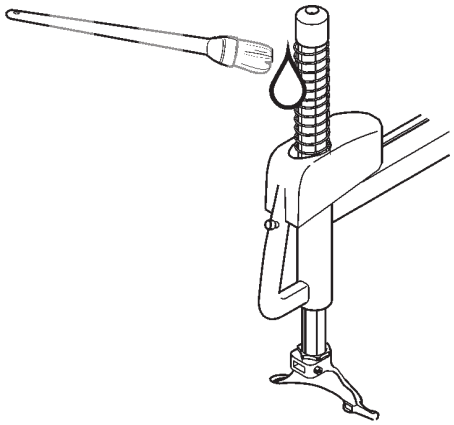
NOTICE!
MOTORCYCLE RIMS MUST ALWAYS BE CLAMPED FROM THE OUTSIDE. AIR PRESSURE MUST NOT EXCEED 110 PSI (8 BAR) WHEN CLAMPING MOTORCYCLE RIMS.

6.0 MAINTENANCE

⚠DANGER

BEFORE STARTING ANY MAINTENANCE OPERATION ENSURE THAT THE MACHINE IS DISCONNECTED FROM THE AIR AND ELECTRIC SUPPLY.

A. Periodically clean the vertical hexagonal rod with liquid detergent. After this immediately lubricate with a light lubricating oil (Fig. 6.0-1).



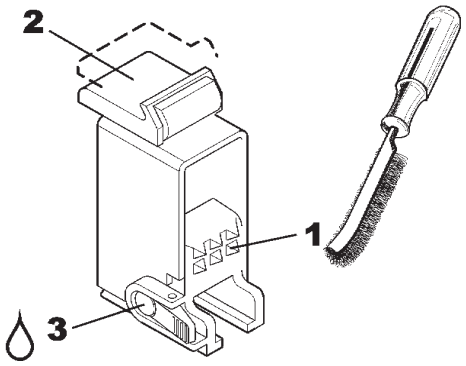
1106

Fig. 6.0-1

B. Periodically clean all moving metal parts and lubricate with oil.

C. Weekly clean the teeth of the jaws (**1** Fig. 6.0-2) with a wire brush, check the nylon clamping jaw insert (**2**) and replace if worn.

Clean the lock / un-lock mechanism of the clamping jaw (**3**) and slightly lubricate it.



1105

Fig. 6.0-2

D. Inspect and replace as necessary the plastic mount/ demount head insert. The insert is held in place by a small roll pin. Drive the pin out with a punch, replace after new insert is installed.

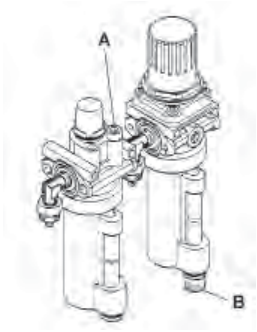
E. Lubricate piston rods of turntable air cylinders with oil as needed.

F. Periodically wash all plastic parts with cold water and soap or window cleaner (without alcohol neither ammonia).

G. Check the bead breaker pads. Replace if worn.

H. Discharge water from air filter every day!! Do this by turning the knob "**B**" clockwise and push upward. Water will automatically be discharged. (see '**B**' at Fig. 6.0-3).

I. Check the automatic air lubricator oil level weekly. When adding oil to the lubricator, disconnect the air supply first, remove the fill screw '**A**', and add oil as needed. Make sure seals are in place when replacing the cap.



553

Fig. 6.0-3

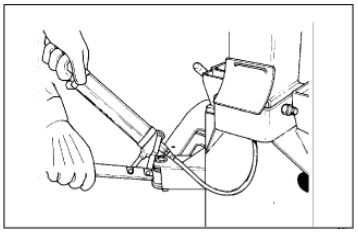
NOTICE!
USE ONLY OILS FOR AIR DEVICES, DO NOT USE BRAKE FLUID OR OTHER NON-SUGGESTED LUBRICANTS.

Suggested for the filter/lubricator unit:

Snap-on Air Tool Oil IM1PT

J. Grease every 4 months the shaft that connects the column to the cabinet. Add grease through the greasing nipple. Fig. 6.0-4

Fig. 6.0-4



7.0 Maintenance of the Laser Guided mount/ dismount feature.
The regular maintenance that must be performed by the operator consists in replacing the batteries,when they run out, with others of the same type (1.5V AA).To extend battery life, we recommend switching on the laser only when positioning the mount-demount tool.

Replacing the Laser Pointer Batteries
1. Remove the four screws "H" shown in Figure 7.0-1.

2. Remove both run down batteries, Figure 7.0-2.

3. Insert the new batteries, by following the polarity indicated.

4. Close the cover with the four screws. Checking and resetting the calibration After each time the batteries are replaced, as well as once a month,check the calibration. Whenever necessary,repeat the complete calibration procedure.

7.1 INSTRUCTIONS FOR DISPOSAL

For waste electrical and electronic equipment

At the time of disposal, at the end of the lifetime of this equipment, you must:

1. NOT dispose of the equipment as municipal waste and separate collection is mandatory.

2. Ask the retailer about collection points authorized for regular disposal.

3. Stick to the standards for correct waste management, to prevent potential effects on the environment and human health.

This symbol indicates that separate collection of waste electrical and electronic equipment is mandatory for scrapping.

Figure 7.1-1

Figure 7.0-2

NOTES

WARRANTY/SERVICE AND REPAIR

Snap-on® Tools Limited Two (2) Year Warranty

Snap-on Tools Company (the “Seller”) warrants only to original purchasers who use the Equipment in their business that under normal use, care and service, the Equipment (except as otherwise provided herein) shall be free from defects in material and workmanship for two years from the date of original invoice. Seller does not provide any warranty for accessories used with the Equipment that are not manufactured by Seller.

SELLER’S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED SOLELY TO THE REPAIR OR, AT SELLER’S OPTION, REPLACEMENT OF EQUIPMENT OR PARTS WHICH TO SELLER’S SATISFACTION ARE DETERMINED TO BE DEFECTIVE AND WHICH ARE NECESSARY, IN SELLER’S JUDGMENT, TO RETURN THIS EQUIPMENT TO GOOD OPERATING CONDITION. NO OTHER WARRANTIES, EXPRESS OR IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

SELLER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL COSTS OR DAMAGES INCURRED BY PURCHASERS OR OTHERS (including, without limitations, lost profits, revenues, and anticipated sales, business opportunities or goodwill, or interruption of business and any other injury or damage).

This warranty does not cover (and separate charges for parts, labor and related expenses shall apply to) any damage to, malfunctioning, inoperability or improper operation of the Equipment caused by, resulting from or attributable to (A) abuse, misuse or tampering; (B) alteration, modification or adjustment of the Equipment by other than Seller’s authorized representatives; (e) installation, repair or maintenance (other than specified operator maintenance) of the Equipment or related equipment, attachments, peripherals or optional features by other than Seller’s authorized representatives; (D) improper or negligent use, application, operation, care, cleaning, storage or handling; (E) fire, water, wind, lightning or other natural causes; (F) adverse environmental conditions, including, without limitation, excessive heat, moisture, corrosive elements, dust or other air contaminants, radio frequency interference, electric power failure, power line voltages beyond those specified for the Equipment, unusual physical, electrical or electromagnetic stress and/or any other condition outside of Seller’s environmental specifications; (G) use of the Equipment in combination or connection with other equipment, attachments, supplies or consumables not manufactured or supplied by Seller; or (H) failure to comply with any applicable federal, state or local regulation, requirement or specification governing welders and related supplies or consumables.

Repairs or replacements qualifying under this Warranty will be performed on regular business days during Seller’s normal working hours within a reasonable time following purchaser’s request. All requests for Warranty service must be made during the stated Warranty period. Proof of purchase date is required to make a Warranty request. This Warranty is nontransferable.

Notice: The information contained in this document is subject to change without notice. **Snap-on** makes no warranty with regard to this material. **Snap-on** shall not be liable for errors contained herein or for incidental consequential damages in connection with furnishings, performance, or use of this material.

Snap-on Equipment, 309 Exchange Ave. Conway, Arkansas 72032
Customer Service and Technical Support Line 800-225-5786

Printed in United States. Snap-on, 2801 80th St., Kenosha, WI 53143 www.snapon.com

