Accu Industries,Inc.®

ACCU 4401

ALL AIR TIRE CHANGER FOR CAR,
LIGHT TRUCK AND MOTORCYCLE WHEELS

OPERATOR'S MANUAL
SPARE PARTS EXPLODED DRAWINGS

LIMITED WARRANTY

Accu Industries, Inc. ("Seller") provides a one year limited warranty on parts and labor on all goods manufactured by it, including this product. The sole and exclusive warranty which Seller makes with respect to this product and all parts and accessories thereto which are sold by Seller is a warranty limited to defects in material or workmanship for a period of one year from the date of original purchase by Buyer from Seller. For purposes of the commencement of the one-year warranty period, the term "Buyer" shall not include wholesalers, retailers or others who buy this product for resale to end user. However, in no event shall the warranty extend beyond two years from the original sale (invoice data) of this product by Seller to anyone.

This warranty applies only to this product and any parts or accessories which are attached to or shipped by the Seller to Buyer with it. This warranty does not apply to equipment parts or accessories damaged by improper and/or negligent operation or maintenance, modification, misuse, abuse, neglect, abrasion or corrosion, nor to any equipment, parts, or accessories which were not manufactured by Seller. This warranty does not apply to any "wear out" components of this product.

"Wear out" shall mean those components or parts which are consumed, used or experienced wear during the ordinary operation of this product. This warranty shall be void if the equipment, parts, or accessories are dismantled, tampered with or repairs are attempted or made by anyone other than Seller or its authorized agent.

THE EXPRESS WARRANTY SET FORTH HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ALL SUCH WARRANTIES ARE HEREBY DISCLAIMED AND EXCLUDED BY SELLER. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

No equipment or parts or accessories shall be shipped by Buyer to Seller without first notifying Seller and specifying the nature of the claimed defect. Any such equipment, parts, or accessories claimed to be defective must be returned, freight prepaid, to Accu Industries, Inc., 11126 Air Park Road, Ashland, Virginia 23005. If inspection by Seller shows the equipment, part, or accessory to be detective, Seller will repair or replace the same and if the Seller elects to repair or replace the same, Seller will return the same to Buyer, freight prepaid.

Buyer 's sole and exclusive remedy against Seller under this Limited Warranty shall be limited to repair or replacement, at Seller 's option, of defective equipment, parts, or accessories covered here under. Seller 's liability shall in no event exceed that expressly set forth herein, irrespective of the basis for any other claim, including but not limited to claim for breach of contract, breach of warranty, negligence, strict liability or tort, and under no circumstance shall be liable for incidental or consequential damages.

Seller shall not be liable for any losses, damages, or expenses, whether direct or indirect, incidental or consequential, caused by or resulting from the use of defective or non conforming equipment, parts, or accessories, or from delays in delivery. Buyer and Seller agree that the venue for any claim or breach or warranty shall be exclusively in the Circuit or General District courts of Hanover County, Virginia.

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OWNER'S RESPONSIBILITY

To maintain machine and user safety, the responsibility of the owner is to read and follow these instructions:

- **Follow all installation instructions.**
- **Make sure installation conforms to all applicable local, state, and federal codes, rules and regulations such as state and federal OSHA regulations and electrical codes.**
- **Carefully check the unit for correct initial function.**
- **Read and follow the safety instructions. Keep them readily available for machine operators.**
- **Make certain all operators are properly trained, know how to safely and correctly operate the unit and are properly supervised.**
- **Allow unit operation only with all parts in place and operating safely.**
- **Carefully inspect the unit on a regular basis and perform all maintenance as required.**
- **Service and maintain the unit only with. Authorized or approved replacement parts.**
- **Keep all instructions permanently with the unit and all decals on the unit clean and visible.**

DEFINITIONS FOR IDENTIFYNG HAZARD LEVELS ARE SHOWN BELOW WITH RESPECTIVE SIGNAL WORDS

DANGER!

IMMEDIATE HAZARDS WHICH WILL RESULT IN SEVERE PERSONAL INJURY OR DEATH.

WARNING!

HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH.

CAUTION!

HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN MINOR PERSONAL INJURY OR PRODUCT OR PROPERTY DAMAGE.

WATCH FOR THIS SYMBOL!
IT MEANS "BE ALERT!"
YOUR SAFETY OR THE SAFETY OF OTHERS IS INVOLVED!

WARNING!

FAILURE TO FOLLOW DANGER AND WARNING INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH TO OPERATOR OR BYSTANDER.
DO NOT OPERATE THIS MACHINE UNTIL YOU READ AND UNDERSTAND ALL THE DANGERS AND WARNINGS AND THIS MANUAL.
FOR ADDITIONAL COPIES OF EITHER OR FURTHER INFORMATION, CONTACT ACCU IND. INC. 1-800-551-ACCU, 1-800-551-2228, 1-804-798-8922.

1.0 INTRODUCTION

Congratulations on purchasing the ACCU Model 4401 air 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 without damaging customer's rims.
With a minimum of maintenance and care your ACCU Model 4401 will provide many years of trouble-free operation.

1.1 NOMENCLATURE

Before installing and using the ACCU Model 4401 it is suggested that you become familiar with the nomenclature of the machine's components.

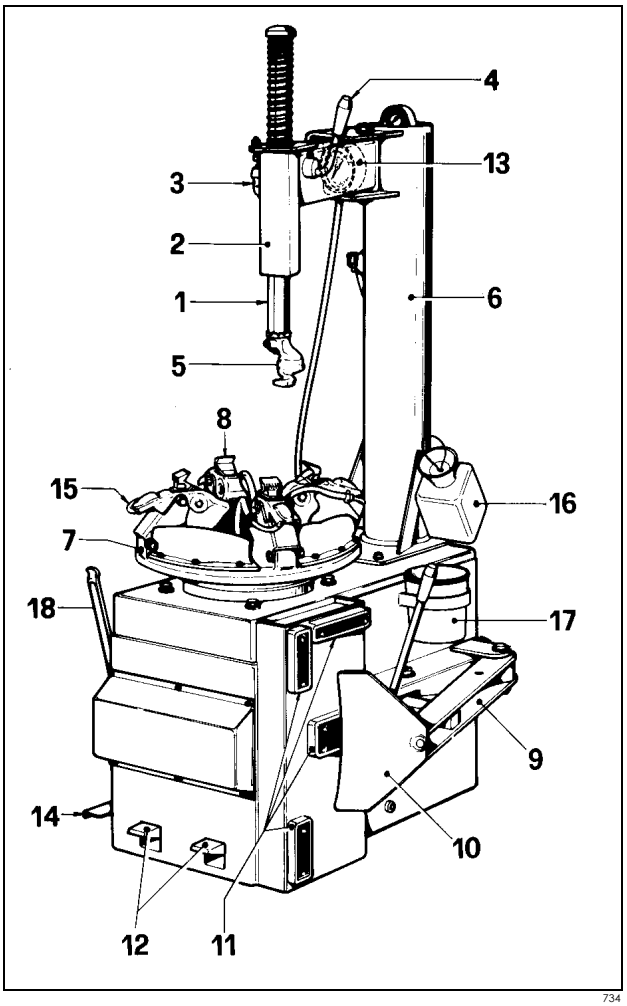

Fig.1

1 Vertical slide
2 Swing arm
3 Adjustment knob
4 Lock lever
5 Mount/demount tool
6 Tower or column
7 Turntable
8 Jaw
9 Bead breaker arm
10 Bead breaker blade
11 Bead breaker pads
12 Foot pedal controls
13 Inflation gauge
14 Bead seater/inflator pedal
15 Air jets
16 Lube pail
17 Used wheel weight pail
18 Bead lifting tool

1.2 SPECIFICATIONS

All air tire changer for car, light commercial vehicle and motorcycle tires designed for one-piece rims.

Weight:	lbs 413 (188 kg)
Air pressure required:	psi 110-170 (8-12 bar)
Bead breaker force	lbs 2900 (kN 13)
Air consumption per tire-average	lt 25 (gal 5.5)
Max. turntable torque	ftxlb 650 (Nm 900)
Max. tir diameter	40" (mm 1015)
Max. rim width	13" (mm 330)
Rim diam. outside locking	10"-18"
Rim diam. inside locking	12"-20"
Rim diam. outside locking with adapters	8"-16"
Motorcycle wheels with adapters	15"-23"

The maximum torque and speed of the turntable are influenced by the air pressure as shown in Fig.1/A.

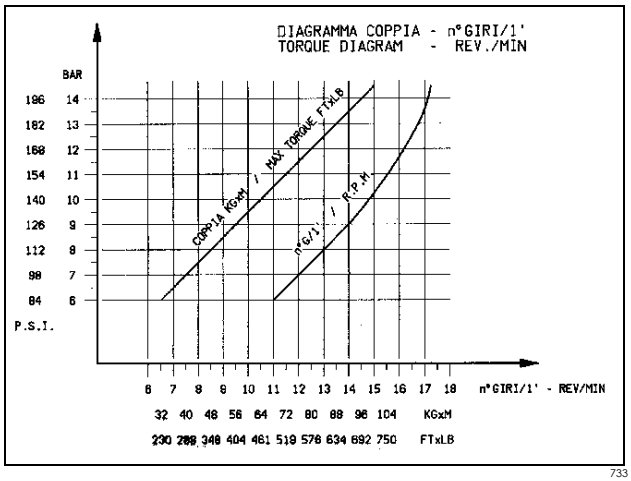

Fig.1/A

1.3 DIMENSIONS OF THE MACHINE

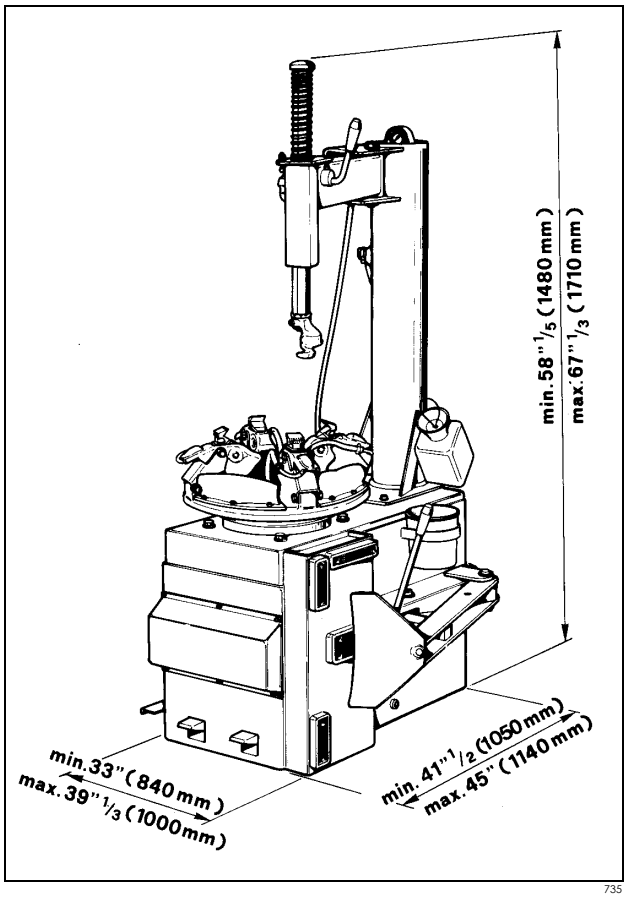

Fig.2

1.4 STANDARD ACCESSORIES

#0001418 bead lifting tool (Fig.3).

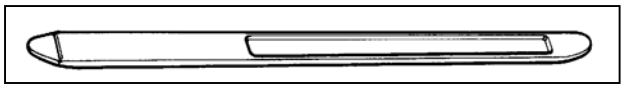

Fig.3

#0010500 Roller tool (Fig.4).

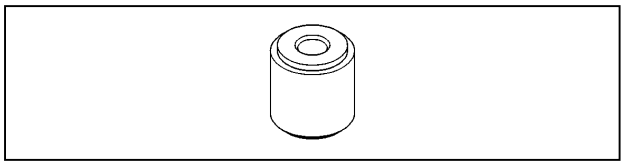

Fig.4

#0011064 Plastic insert mount/demount tool (Fig.5).

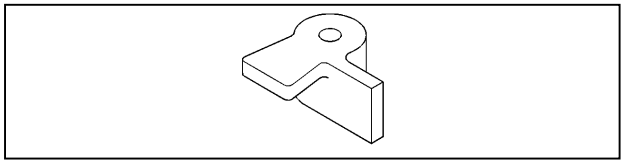

Fig.5

#4014528 Lube pail (Fig.6).

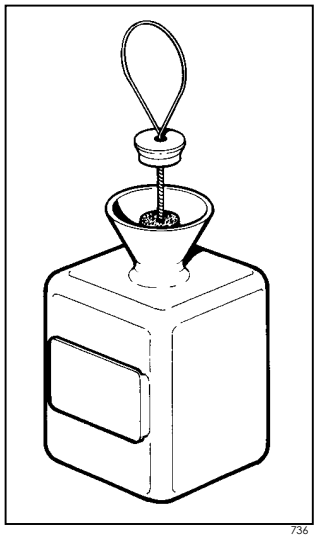

Fig.6

1.5 OPTIONAL ACCESSORIES

#4010760 motorcycle adapter (Fig.7).

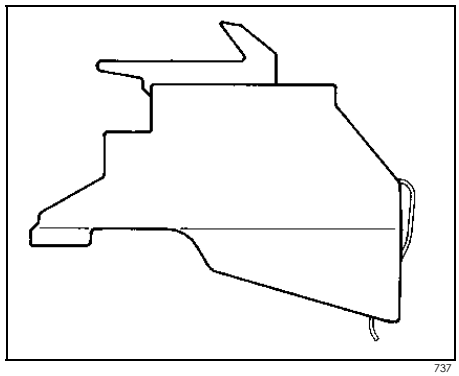

Fig.7

#4010761 8" adapter (Fig.8).

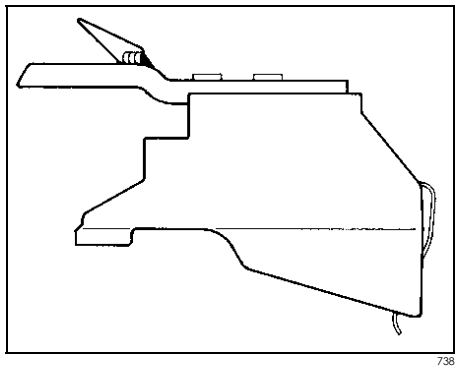

Fig.8

#4025419
air filter-lubricator with water separator (Fig.9).

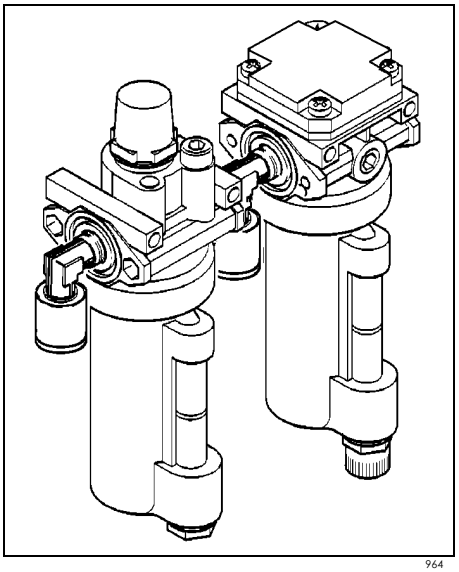

Fig.9

#4003444 bead depressor tool (Fig.10).

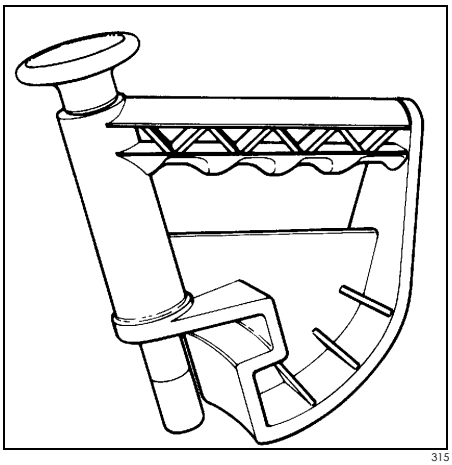

Fig.10

#4016277 19"-20" adapter for light alloy rims (Fig.11).

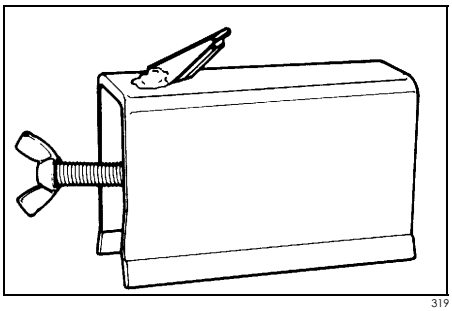

Fig.11

NOTE:
INSTRUCTIONS FOR ASSEMBLING THE OPTINAL ACCESSORIES ARE INCLUDED WITH THEM.

1.6 GENERAL PRECAUTIONS

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

B. BEFORE ANY MAINTENANCE OR REPAIRS ARE ACCOMPLISHED THE MACHINE MUST BE DISCONNECTED FROM THE AIR SUPPLY.
C. 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 ALL THE TIME IE; GLOVES AND SAFETY SHOES.

D. THE USER MUST WEAR SAFETY GLASSES AND EAR PROTECTORS WHEN OPERATING THE BEAD SEATER.

2.0 INSTALLATION

Install the machine in a covered and dry place and fix il on the floor. Operation temperature is +41° to 122° F (+5° to 50° C). The ACCU Model 4401 can work below 32° F, but some minor modifications are required: contact your ACCU distributor for detailed information.

A.Remove the screws that attach the machine to the pallet.

B. Bolt the column (#1 Fig.12) to the cabinet #2 with the four screws #3 and washers #4.
Screws must be firmly tightened.

C. Attach the air hose #5 to the valve #6.

D. Attach the air hose #7 to the fitting #8 under the column. Firmly tighten the clamp #9.

E. Attach the adjustment knob #10 to the column #1.

WARNING!
FAILURE TO FIRMLY TIGHTEN THE CLAMP #6 CLOUD SERIOUSLY INJURY PERSONNEL AND DAMAGE THE MACHINE.

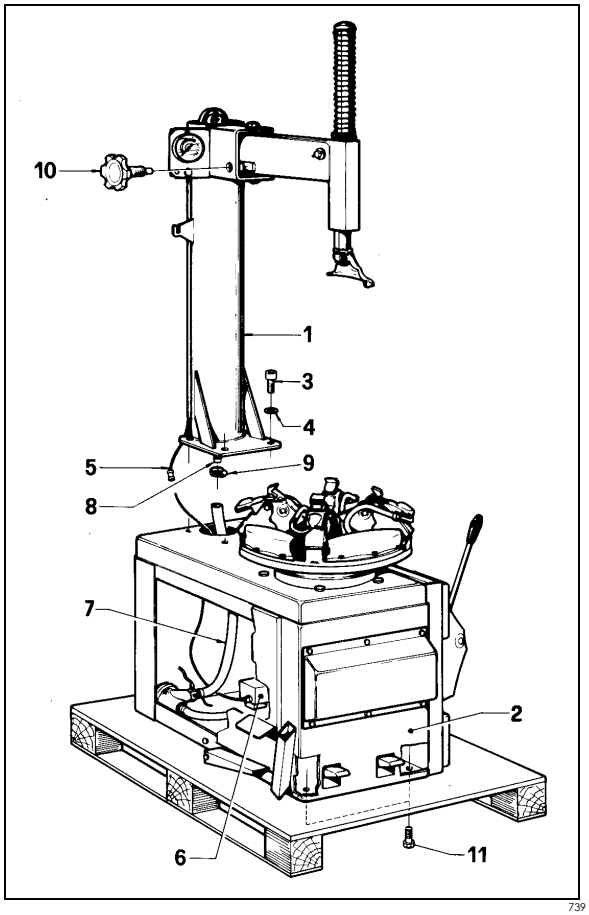

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Fig.12

F. Mount the lube pail as shown in Fig.13

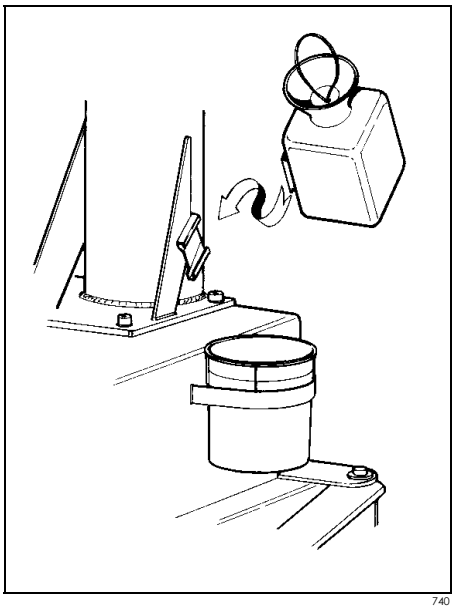
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Fig.13

2.1 AIR INSTALLATION

CAUTION!
THE AIR INSTALLATION MUST BE PERFORMED BY LICENSED PERSONNEL ONLY.

WARNING!
EXCESSIVE AIR PRESSURE COULD RESULT IN SERIOUS INJURE PERSONNEL AND DAMAGE THE MACHINE.

Ensure that the air pressure is within the limits required. If the pressure exceeds 175 psi (12 bar) it is mandatory to install a pressure regulator to the incoming air supply.

If the air pressure is lower than the minimum required of 110 psi (8 bar) the clamping force of the tourque of the turntable and the bead breaker force may be insufficient for changing all tires.
It is also suggested that the air supply be equipped with a water separator to reduce the water quantity of the incoming air.

After checking all the above proceed as follows:

A. Connect the machine to the air supply (rated at the maximum pressure of 175 psi) by a rubber hose having an internal diameter of no less than 1/4" (6 mm).

CAUTION!
BEFORE CONNECTING THE MACHINE TO THE AIR SUPPLY BE SURE ALL PERSONNEL ARE CLEAR OF THE MACHINE AND THAT NOTHING IS LEFT ON THE TURNTABLE AREA (TOOLS).

B. In case any of the optional accessories are required, please refer to the mounting instructions included with the accessories.

C. If an air lubricator is installed, ensure that it works properly.
Observe instructions given in @6.0.

3.0 CONTROLS

Before operating the machine, take the time to familiarize yourself with the operation and function of all the controls.

A. Press down and release the left pedal (#1 Fig.14) and the rim clamps will move inward.

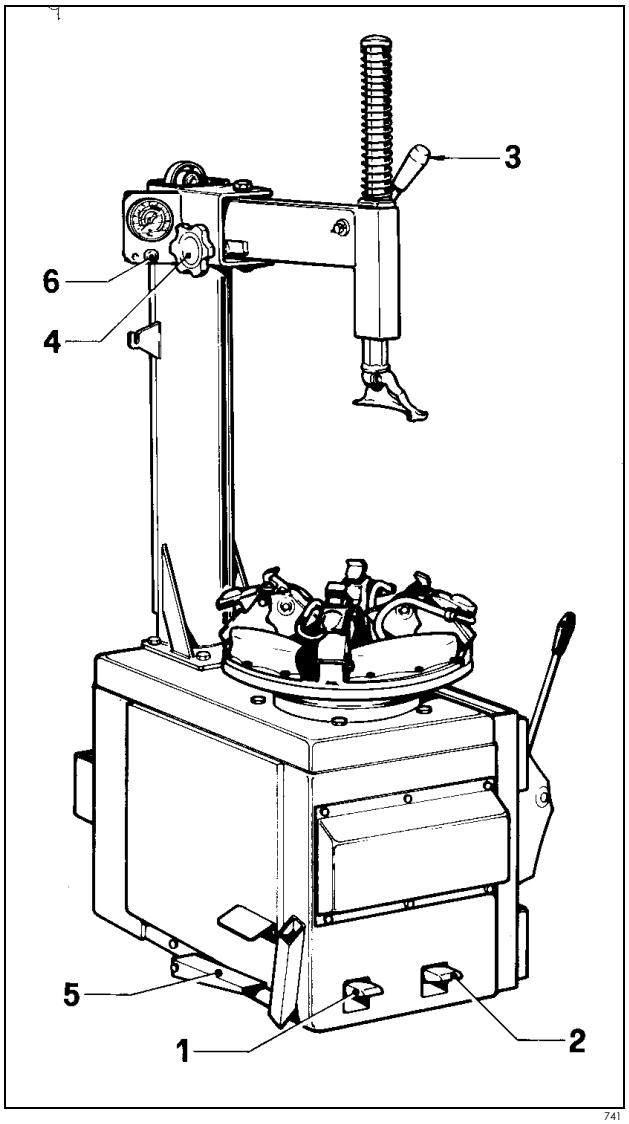


Fig.14

Press it again and the clamps will move outward.
By pressing the pedal part way down and releasing it, the rim clamps may be stopped in any position.

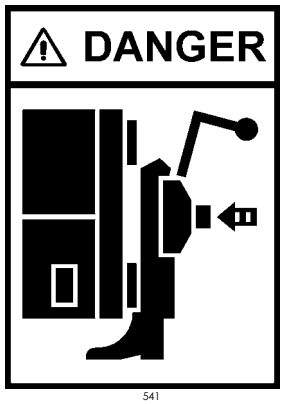
B. Open the bead breaker arm.
Press down and hold the right pedal (#2 Fig.14) and the bead breaker arm will move towards the machine.
Release the pedal: and the bead breaker arm can be pullid away from the machine and tire.

C. Close the bead breaker arm. Press down and hold, the right pedal (#2 Fig.14) and the turntable turns clockwise.
Release the pedal and the turntable is free to turn both ways by hand.

NOTICE:
THE RIGHT PEDAL WILL ROTATE THE TURNTABLE WHEN THE BEAD BREAKER ARM IS CLOSED AND WILL OPERATE THE BEAD BREAKER MECHANISM WHEN THE BEAD BREAKER ARM IS OPEN. COUNTER-CLOCKWISE ROTATION OF TURNTABLE CAN BE PROHIBITED (E.G. FOR MANUAL ROTATION OF THE TIRE ON THE RIM): PUSH THE RIGHT PEDAL DOWN AND CONTINUE TO HOLD IT ALSO AFTER THE TURNTABLE HAS COMPLETED ONE REVOLUTION AND COME TO A STOP, OR PUSH RIGHT PEDAL TO HALF STROKE.

D. Move the lock handle (#3 Fig.14) up to lock the vertical slide, pull it down to release it.

E. Use the adjustment knob (#4 Fig.14) to position the mount/demount head for different diameter wheels.



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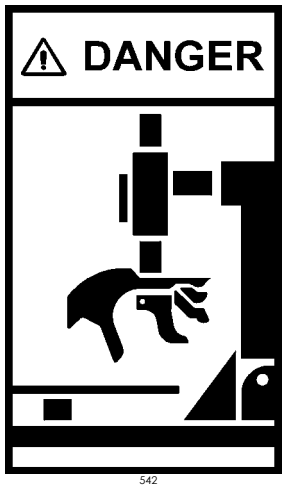
WATCH YOUR LEGS!



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WATCH YOUR FINGERS!

F. Push inflation pedal #5 Fig.14 half stroke: air flows from hose.

G. Press the air inflator full stroke (#5 Fig.14) and a large volume of air will flow from the inflator jets of the clamps to seat the beads of tubeless tires.
Air will simultaneously flowing from inflation hose.

H. Deflation of the tire is possible by pushing exhaust button (#6 Fig.14).

WARNING!
WHILE OPERATING THE BEAD SEATER IT IS COMPULSORY TO WEAR SAFETY GLASSES AND EAR PROTECTORS.

4.0 MOUNTING AND DEMOUNTING TIPS

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

A. MAKE SURE THE TIRE IS THE CORRECT SIZE FOR THE RIM.
B. THE RIM MUST BE CLEAN AND IN GOOD CONDITION: IF NECESSARY CLEAN AND PAINT IT AFTER REMOVING ALL WHEEL-WEIGHTS TO INCLUDE 'TAPE WEIGHTS' INSIDE THE RIM.
C. THE TIRE MUST BE CLEAN AND DRY, WITHOUT ANY DAMAGE TO THE BEAD.
D. REPLACE THE RUBBER VALVE STEM WITH A NEW ONE OR REPLACE THE 'O' RING IF THE VALVE STEM IS MADE OF METAL.
E. IF THE TIRE REQUIRES A TUBE, MAKE SURE THE TUBE IS DRY AND IN GOOD CONDITION.
F. LUBRICATION IS NECESSARY TO MOUNT THE TIRE CORRECTLY AND GET A PROPER CENTERING. BE SURE YOU ARE USING APPROVED LUBRICANT ONLY.

4.1 DEMOUNTING TUBELESS TIRES FROM ONE-PIECE RIMS

A. Remove the valve or care and deflate the tire (Fig.15).
Remove all wheel-weights.

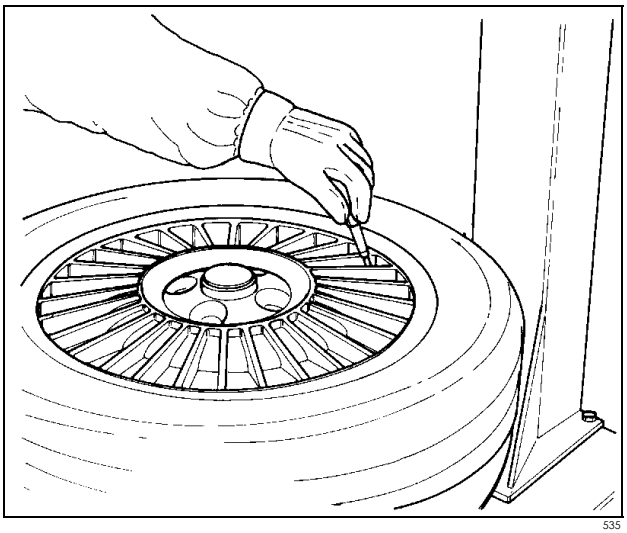

Fig.15

B. Position wheel assembly as shown in Fig.16.
Depress right pedal until bead is locsened.
Repeat operation on opposite side of the wheel.

CAUTION!
PAY EXTRA ATTENTION DURING THIS OPERATION AS IT EASY TO MISTAKENLY KEEP YOUR FOOT ONTHE BEAD BREAKING PEDAL TOO LONG.

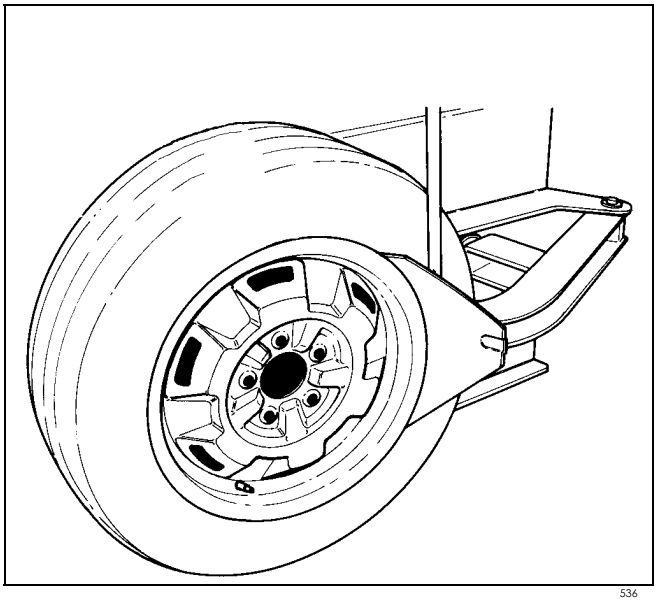

Fig.16

WARNING!
ON CHEVROLET CORVETTE WHEELS WITH THE OPTIONAL LOW PRESSURE SENSOR INSTALLED, BREAK THE BEAD AT 90 DEGREES OFFSET FROM THE VALVE STEM. DAMAGE TO THE WHEEL WILL 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 inside and expand **clamps** to clamp from the outside.
When clamping samll 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.

NOTICE:
TO MINIMIZE THE RISK OF SCRATCHING ALLOY RIMS, THESE SHOULD BE CLAMPED FROM THE OUTSIDE.

WARNING!
BE SURE TO USE ONLY APPROVED LUBRICANTS. DO NOT USE LUBRICANTS THAT CONTAIN WATER, PETROLEUM PRODUCTS/HYDROCARBONS, OR SILICONE.

D. Lubricate both beads seat areas liberally.
Place the wheel **WITH DROP CENTER UP** (Fig.17) on the turntable, and clamp in position. Hold the tire and wheel down while clamping.

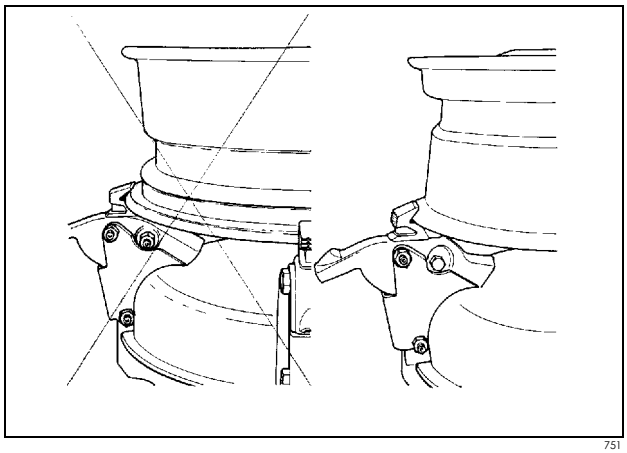

Fig.17

E. Position the mount/demount head in contact with rim edge and lock it into place: the tool automatically moves away from the rim edge vertically. Turn the adjustment knob until the mount/demount head clears the rim flange about 1/16" (2mm): this is necessary to avoid any rim damage (Fig.18).

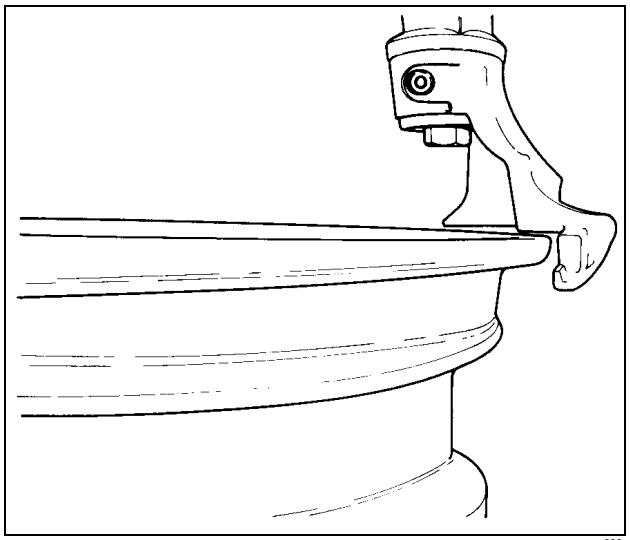

Fig.18

NOTE:
THE ROLLER INSIDE THE MOUNT/DEMOUNT TOOL MAY BE REPLACED BY A PLASTIC INSERT. REPLACEMENT IS SUGGESTED FOR OPERATORS MAINLY WORKING ON LIGHT ALLOY RIMS.
EVERY MACHINE IS EQUIPPED WITH SEVERAL PLASTIC INSERTS (INSIDE STANDARD EQUIPMENT BOX). THE PLASTIC INSERTS WILL HELP AVOID DAMAGE FROM ACCIDENT CONTACT BETWEEN THE TOOL AND THE RIM. THE PLASTIC INSERTS MUST BE PERIODICALLY REPLACED.

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

CAUTION!
INSURE THAT TOOL WILL NOT CONTACT WHEEL BEFORE BEGINNING PROCESS.

F. Insert the bead lifting tool under the bead and over the support of the mount/demount tool.
Lift the bead onto the mounting finger.
To make this operation easier, insure that the bead of the tire, directly across from the mount/demount tool, is in the drop center of the wheel. Push the tire into the drop center with your hand or bead depressor tool if necessary.
If desired, the bead lifting tool can be removed after lifting the bead onto the finger (Fig.19).

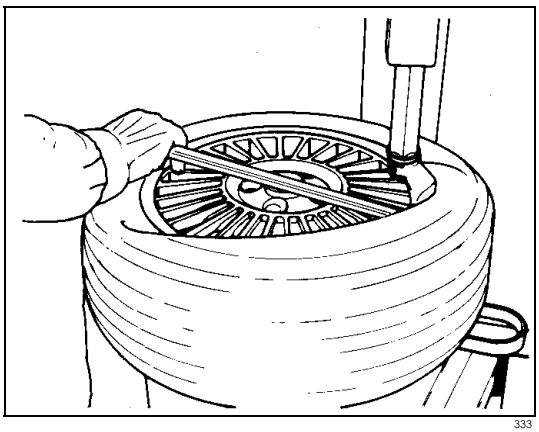

Fig.19

G. Rotate the turntable clockwise and at the same time carefully push down on the tire sidewall to move the bead into the drop center of the rim (Fig.20).

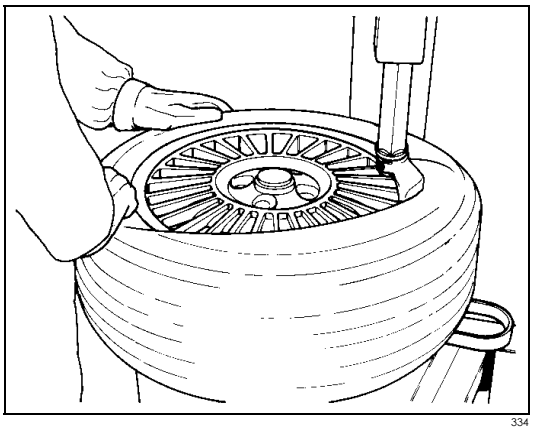

Fig.20

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.21).
Move the swing arm aside and remove the tire.

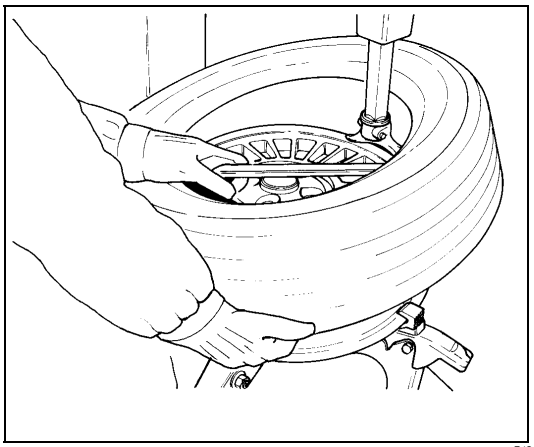

Fig.21

4.2 MOUNTING TUBELESS TIRES ONTO ONE-PIECE RIMS

A. Lubricate the entire rim surface (Fig.22).

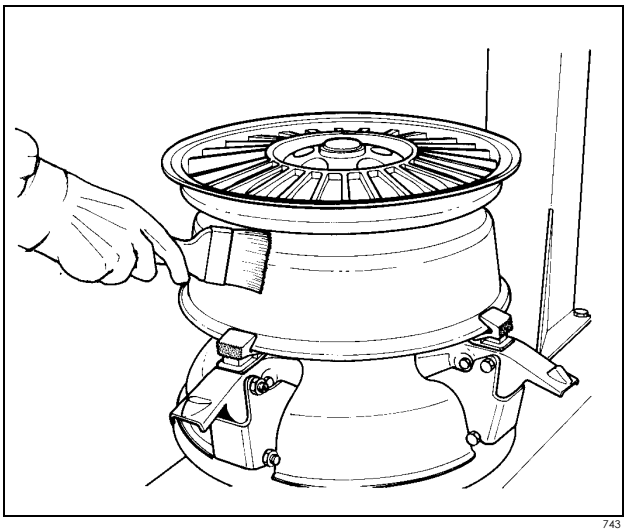

Fig.22

Liberally lubricate both beads of the tire (Fig.23).

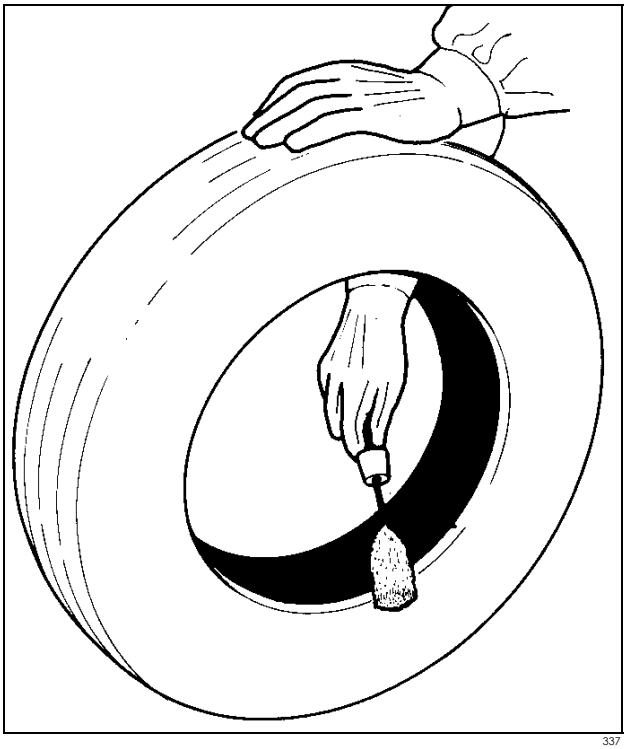

Fig.23

CAUTION!
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.

CAUTION!
SOME TIRES HAVE A COLOR DOT THAT MUST BE KEPT ON THE OUTSIDE OF THE WHEEL. IF THIS IS THE CASE BE SURE TO ATTAIN PROPER ALIGNMENT.

B. Lock the rim on the chuck and rotate it to have the valve at the 2 o'clock position.
Place the tire to be mounted on the rim. Swing the mountig arm forward so that the mount/demount tool is in the working position.
Engage the lower bead OVER the mounting wing and UNDER the mounting finger of the mounting tool (Fig.24).
Turn the wheel clockwise and push the tire down into the drop center, opposite to the mount/demount head (Fig.24).

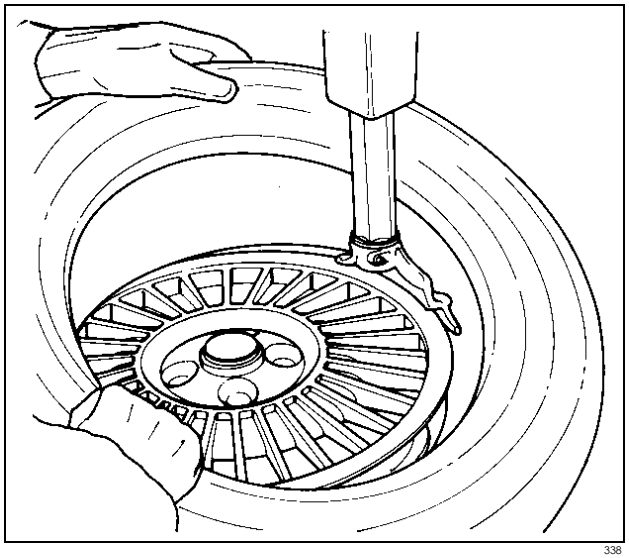

Fig.24

C. Mount the upper bead following the directions in section B. With low profile tires the bead depressor tool (option #4003444 Fig.25) can help to ease the mounting of the top bead.

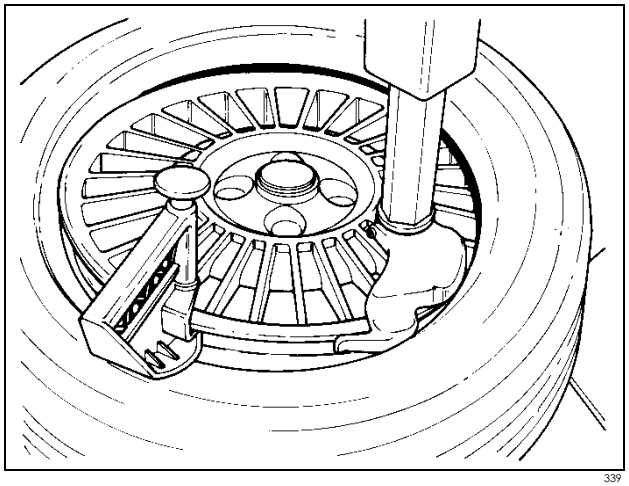

Fig.25

4.3 INFLATION OF TUBELESS TIRES

Make sure that both beads are properly lubricated.
Inflate the tire according to manufactures recommendations.

DANGER!
BEAD SEATING IS THE MOST DANGEROUS PART OF MOUNTING A TIRE.
DO NOT MOUNT TIRES THAT ARE 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 SHOULD BE A CAUSE SEVERE INJURY OR DEATH.

DANGER!
NEVER EXCEED THE MAXIMUM PRESSURE ALLOWED BY THE TIRE MANUFACTURER.

THE RIM MUST BE UNCLAMPED WHEN INFLATING BUT ONLY AFTER THE BEADS HAVE BEEN SEATED.

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

NEVER INCREASE AIR PRESSURE TO EXCEED 40 PSI WHEN ATTEMPTING BEAD SEAT. IF UNABLE TO OBTAIN BEAD SEAT SOMETHING IS WRONG. DEFLATE TIRE COMPLETELY, INSPECT TIRE AND WHEEL, RELUBRICATE BOTH TIRE BEADS AND REATTEMP BEAD SEAL AND BEAD SEAT PROCEDURES. FOLLOW ALL SAFETY INSTRUCTIONS.

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

Due to unusual configurations or the stacking of tires the inflation process is sometimes difficult.
To assist with this problem the is equipped with bead seater jets incorporated into the table top.

To utilize the bead seater proceed as follows:

WARNING!
WHILE OPERATING THE BEAD SEATER IT IS COMPULSORY TO WEAR SAFETY GLASSES AND FAR PROTECTORS.

A. If possible lock the wheel from inside. Outside locking reduces efficiency.

B. Connect the inflation hose to the valve stem.

C. Lift the tire with both hands so that the upper bead is sealed to the rim edge (Fig.26).

Fig.26

D. Press the inflation pedal down swiftly (Fig.26).
The top bead is already sealed by the lifting motion. Threfore, the air from the bead seater jets will impact the top sidewall and rebound into the bottom sidewall driving it into place and creating a seal.

E. Complete inflation as described at @4.3.A.

5.0 DEMOUNTING TUBE-TYPE TIRES ON ONE-PIECE RIMS

A. For breaking the bead operate as described for the tubeless tires in @ 4.1.B.

In this case the valve is part of the tube.

CAUTION!
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.

CAUTION!
DO NOT CATCH THE TUBE WITH THE BEAD LIFTING TOOL, WHEN LIFTING THE BEAD ONTO THE MOUNTING FINGER.

After demounting the first bead remove the tube before demounting the second bead, as described in @ 4.1 G.

5.1 MOUNTING TUBE-TYPE TIRES ON ONE-PIECE RIMS

A. Do as described in @ 4.2.A.
Do **NOT** lubricate the tube. Talc can be used to assist with tire positioning.

B. Confirm that the tube is designed for tires(Fig.27).

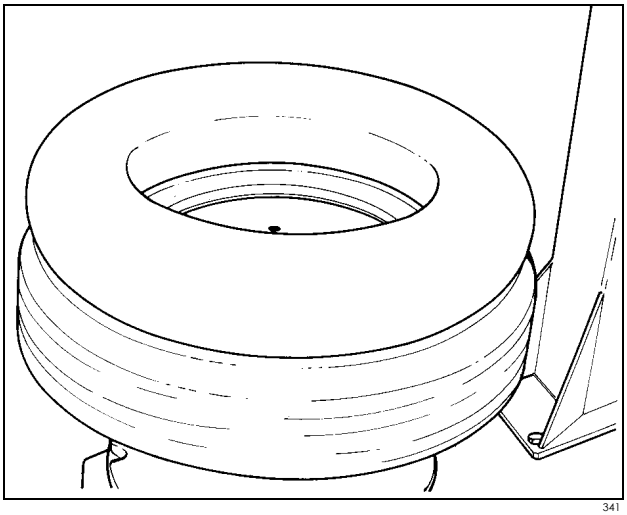

Fig.27

C. Inflate the tube slightly: if held with the indexfinger it should bend a little (Fig.28).

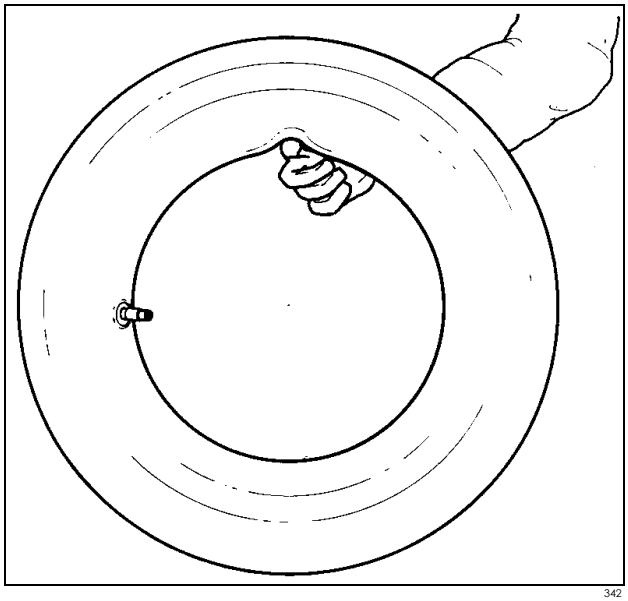

Fig.28

D. Mount the first bead as described in @ 4.2.B.
Put the tube inside the tire and hang the valve with the clip of the inflating hose (Fig.29).
Mount the top bead following the directions above.

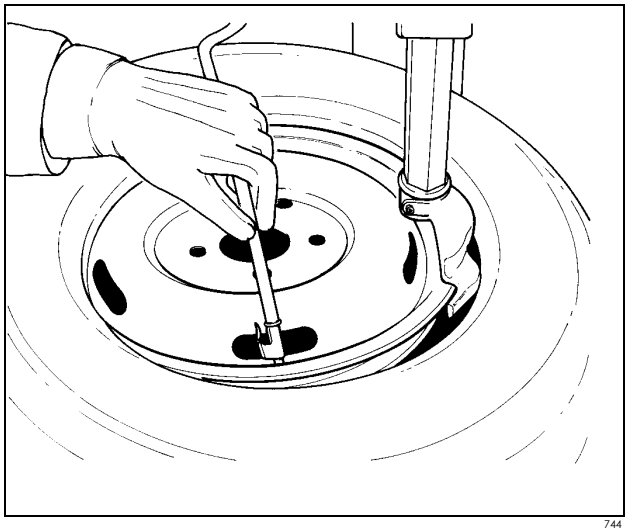

Fig.29

5.2 INFLATING TUBE-TYPE TIRES

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.30).
Ensure that the tire is correctly centered on the rim and complete inflation as described in @ 4.3.A.

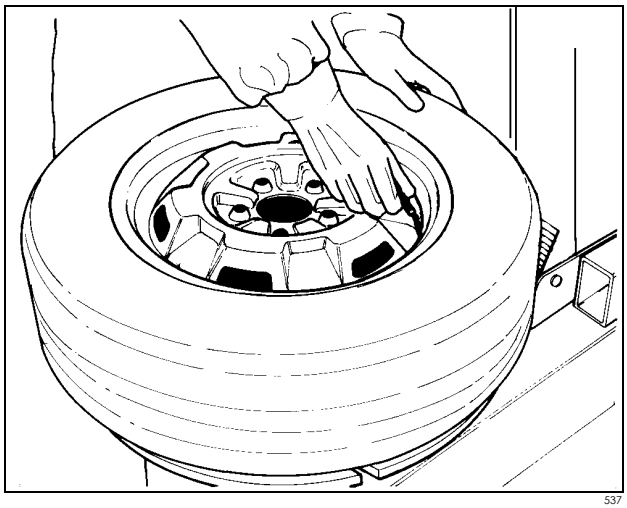

Fig.30

6.0 MOUNTING AND DEMOUNTING MOTORCYCLE TIRES

CAUTION!
MOTORCYCLE RIMS MUST ALWAYS BE CLAMPED FROM THE OUTSIDE.
AIR PRESSURE MUST NOT EXCEED 110 PSI (8 BAR) WHEN CLAMPING MOTORCYCLE RIMS.
IF NECESSARY INSTALL A PRESSURE REGULATION DEVICE (OPTION #4019671).

To mount and demount motorcycle tires it is necessary to utilize the optional motorcycle adaptors (4 pieces #4010760).
The bead-breaking, mounting and demounting technique is the same as per the car, tubeless or tube-type tires.

7.0 MAINTENANCE

WARNING!
BEFORE STARTING ANY MAINTENANCE OPERATION ENSURE THAT THE MACHINE IS DISCONNECTED FROM THE AIR SUPPLY.

A. Periodically clean the vertical hexagonal rod with nonflammable liquid detergent.
After this immediately lubricate with oil (Fig.31).

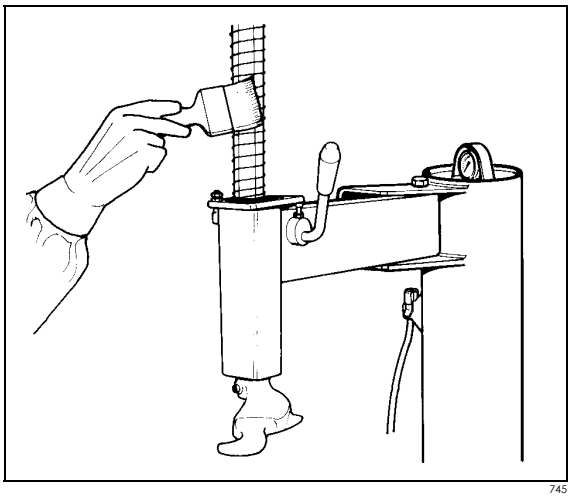

Fig.31

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

C. Clean the teeth of the clamps with a wire brush, check the plastic rim protector (inside the clamp) and replace it if worn (Fig.32).

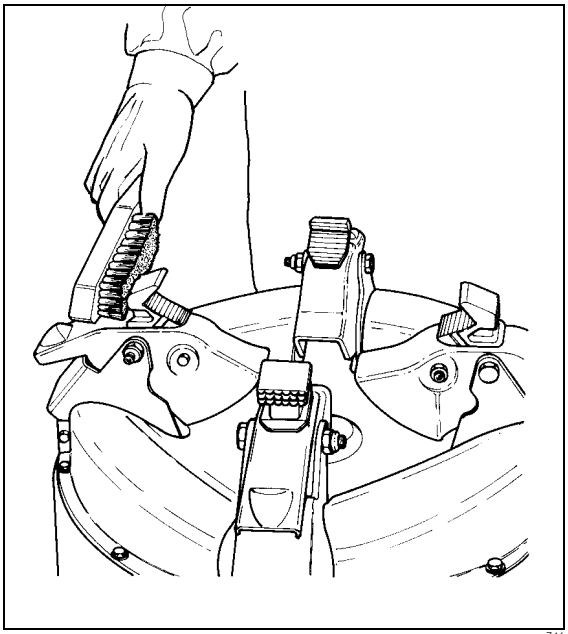

Fig.32

D. Peridically replaced the plastic insert inside mount/demount tool.

E. Periodically wash all plastic parts with cold water and soap or window cleaner.

F. Lubricate rods of air cylinders with oil as needed.

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

H. If the machine is equipped with an automatic air lubricator, check the 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.
Drain water daily from water separator. Do this by pulling down the fitting '**B**' (Fig.33).

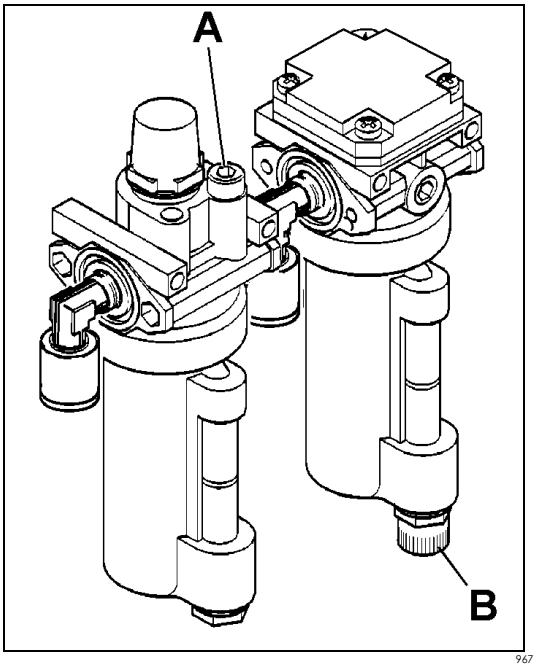

Fig.33

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

Suggested oils for the filter/lubricator unit:

TAMOIL:	WHITE MINERAL OIL 15
SHELL:	ONDINA OIL 15
BP:	ENERGOL WT 3
TOTAL:	LOBELIA SB 15
ESSO:	MARCOL 82

I. If the machine is not equipped with an automatic lubricator, once a week, perform the following:

- Disconnect machine from the air supply.
- Open the lubrication cap and drop a small quantity of oil (0.1 oz) (Fig.34).
- Close the oil cap and tighten firmly.
- Connect the machine to the air supply and operate both the turntable clamping and bead breaker several times.

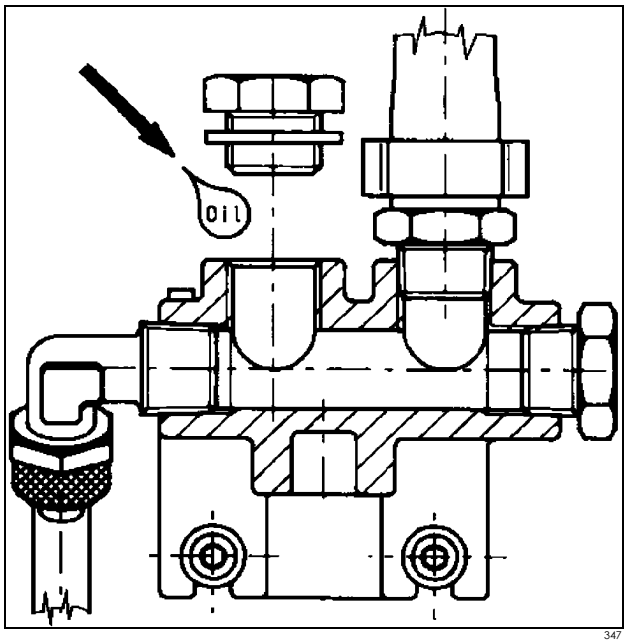

Fig.34

L. Periodically remove dirt and grease from the inside of the turntable. Remove the rubber protection before cleaning.

WARNING!
BE SURE THAT THE COMPRESSED AIR IS DISCONNECTED BEFORE REPLACING THE RUBBER PROTECTION. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY.
ALWAYS CHECK THE CONDITION OF THE RUBBER TURNTABLE PROTECTION: IF IT IS WORN OR DAMAGED, REPLACE IT WITH A CORRECT SPARE PART.