



# Economy RIGHT HAND ASSIST For 221 and 229 Tire Changers

## ASSEMBLY GUIDE



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HUDSON, NH 03051

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### FLORIDA

12250 NW 25TH ST., SUITE 112  
MIAMI, FL 33182

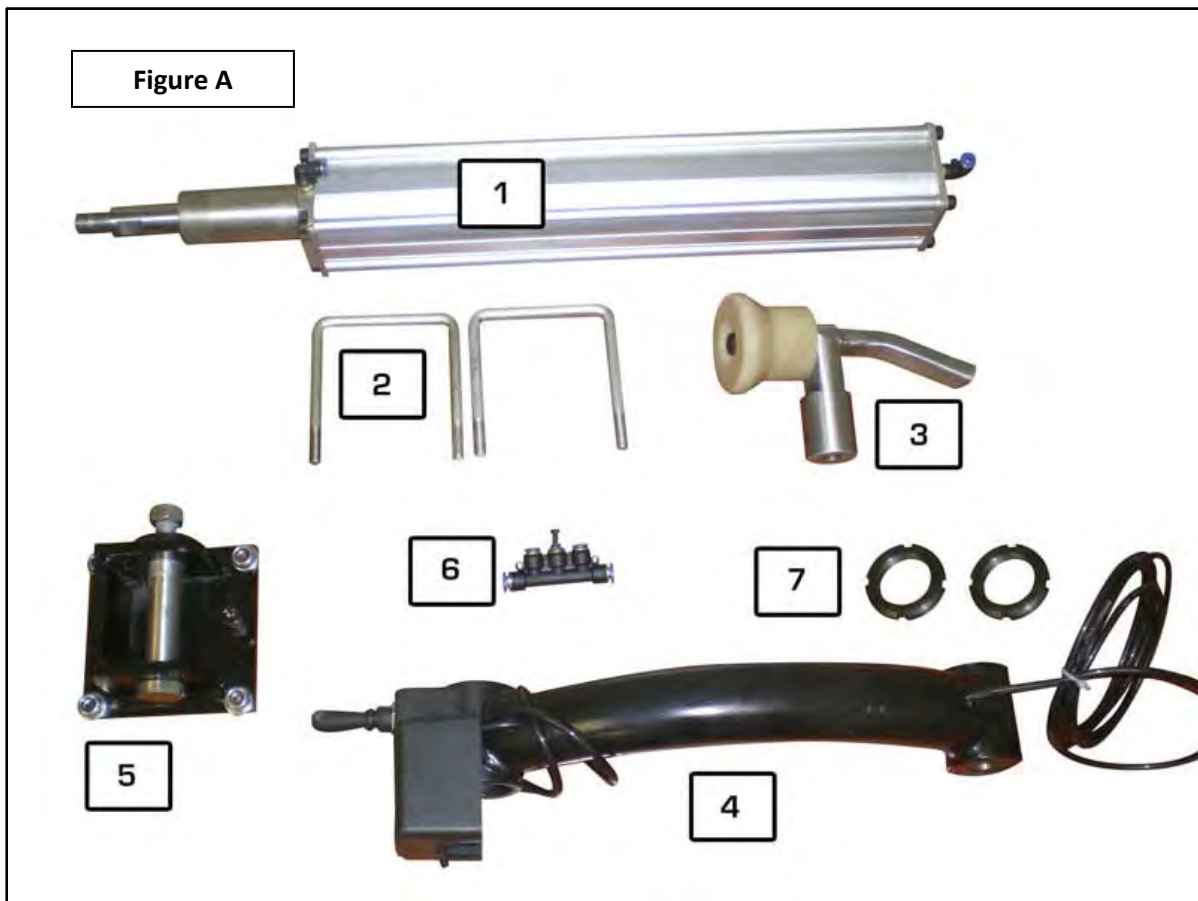
PHONE: (800) 305-5609



## ECONOMY RIGHT HAND ASSIST (ERHA)



**BE SURE TO DISCONNECT THE AIR SUPPLY TO THE TIRE CHANGER  
AND PRESS THE (Bead Breaker, Air Inflator, or Tilt-back) PEDALS  
TO EVACUATE AIR FROM THE SYSTEM  
BEFORE INSTALLING THE ERHA**



**Before the installation, separate the parts to ensure that all components are included.  
See (Figure A)**



## **Parts List**

**Part 1:** Cylinder and Cylinder Mounting Base

**Part 2:** U Bolt Set

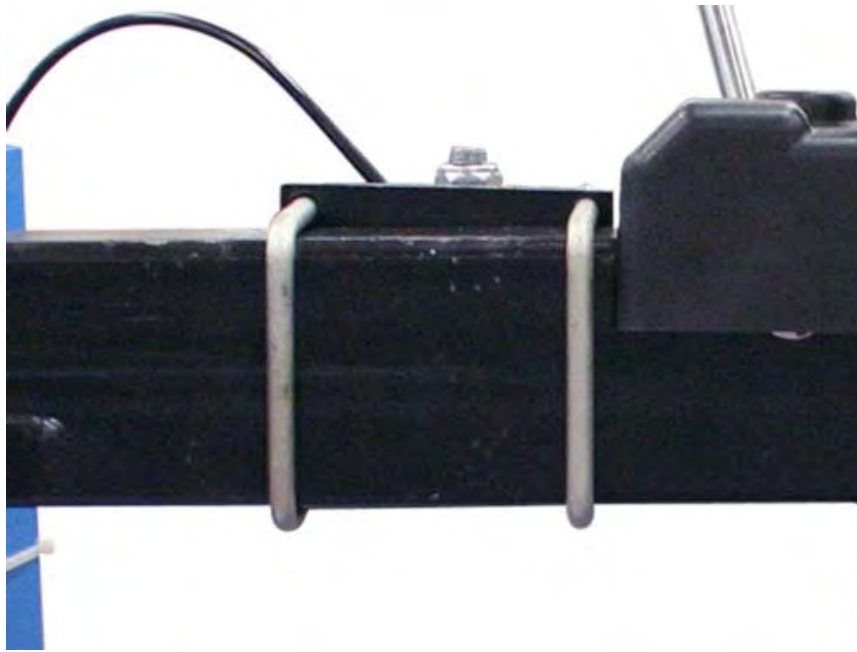
**Part 3:** Bead Roller Assembly

**Part 4:** Curved Support Arm

**Part 5:** Support Arm Bracket

**Part 6:** 5 Way Auto Locking Union Valve

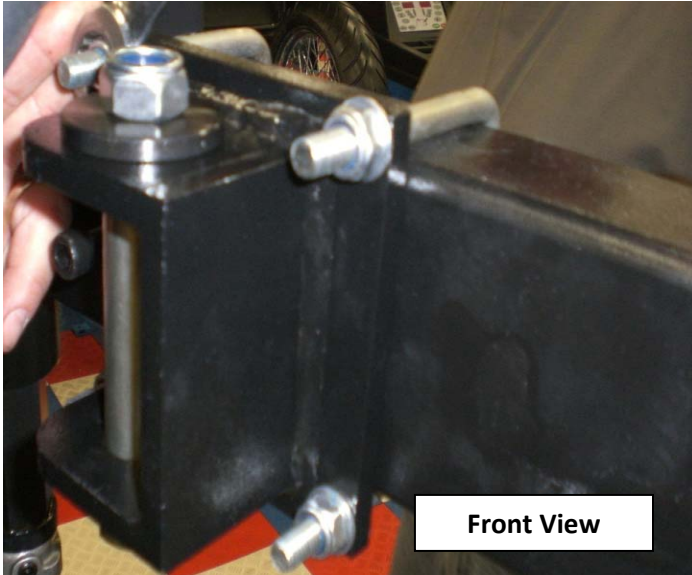
**Part 7:** Cylinder Mounting Nuts



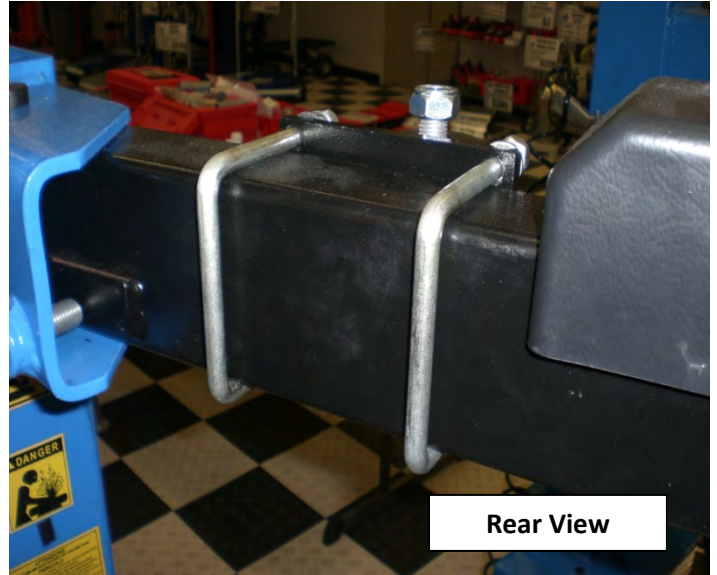
The ERHA is furnished with a U-Bolt set (**Part 2**). Use the U Bolts to attach the ERHA onto the Horizontal Support column of your Tire Changer. (**Figure A**)

**Fig. A**  
**Horizontal**  
**Support**  
**Column**





Front View



Rear View

Bolt the Support Arm Bracket (**Part 5**) onto your Tire Changer's Horizontal Support Column using the U Bolt set. (**Part 2**)

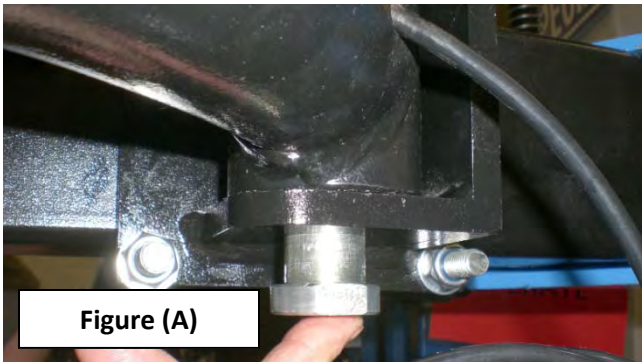


Figure (A)

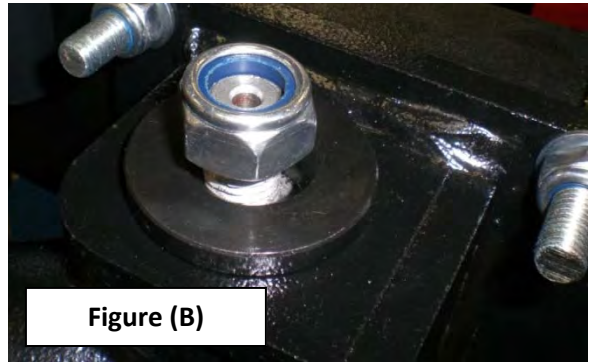
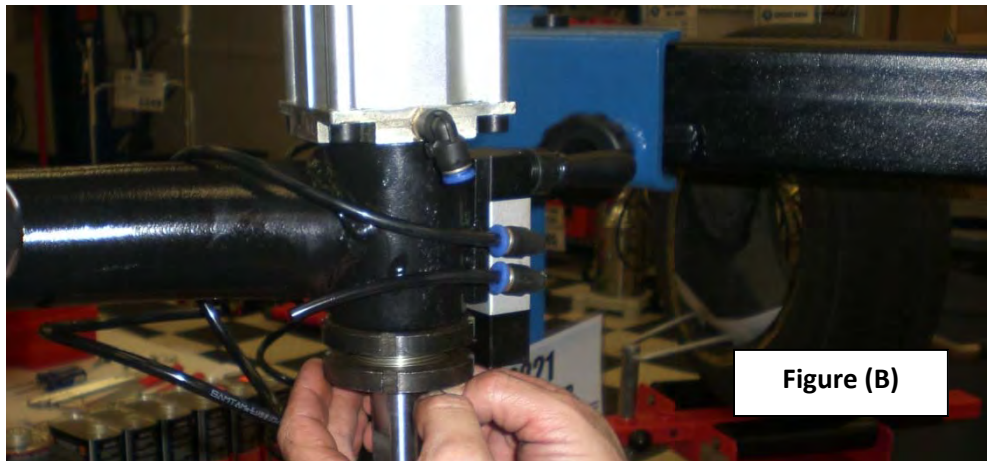


Figure (B)

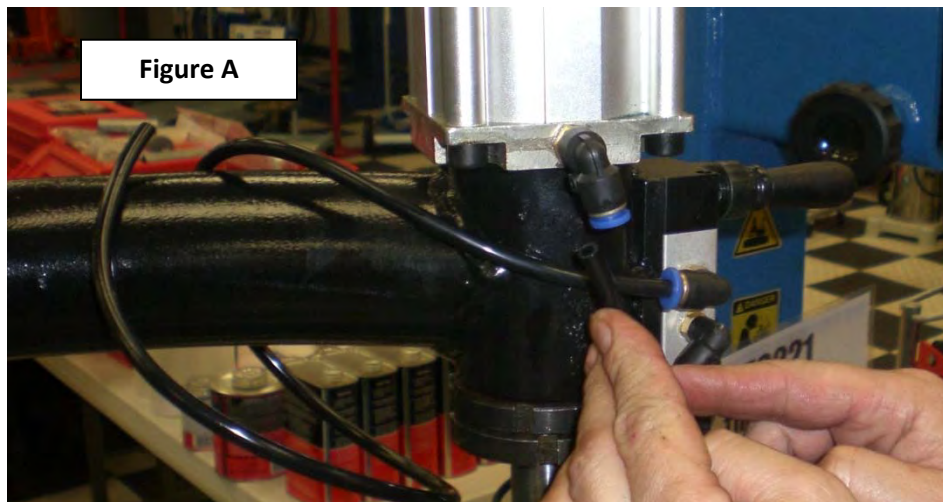
Place curved support arm (**Part 4**) into the support arm bracket (**Part 5**). Insert the arm pin from the bottom of the Support Bracket and secure it with the provided washer and nylon locking nut. See (**Figures A & B**)



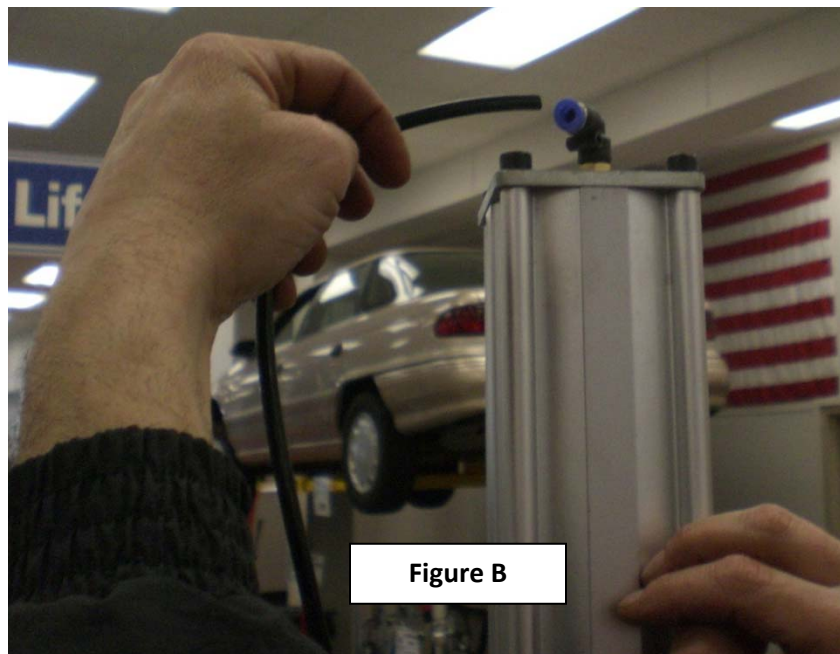


Remove the 2 Cylinder Mounting Nuts (**Part 7**) from the cylinder mounting base (**Part 1**). See (**Figure A**)

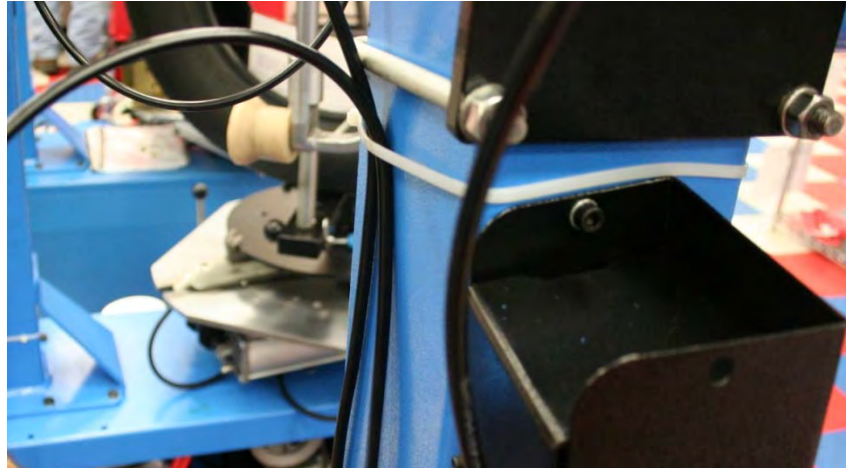
Insert the cylinder mounting base (**Part 1**) into the open end of the Curved Support Arm (**Part 4**). Install the first Cylinder Mounting Nut (**Part 7**) and tighten. Follow up with the second Cylinder Mounting Nut (**Part 7**). See (**Figure B**)



There are three **6mm** air lines attached to the air valve/curved support arm (**Part 4**). Insert the shortest air line into the **6mm** auto lock union located at the base of the air cylinder.  
(**Figure A**)



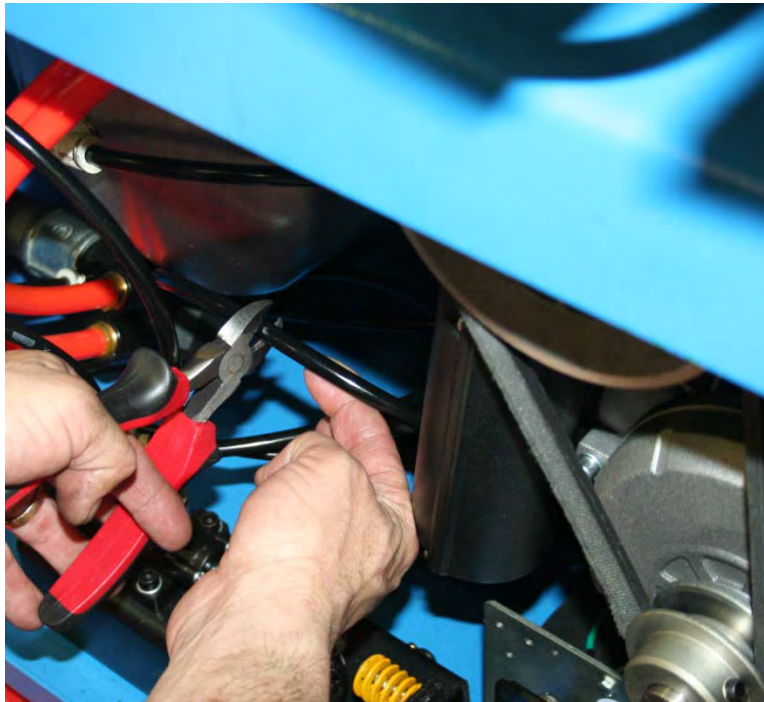
Insert the second longest hose into the **6mm** auto lock union located on the top of the cylinder (**Part 1**).



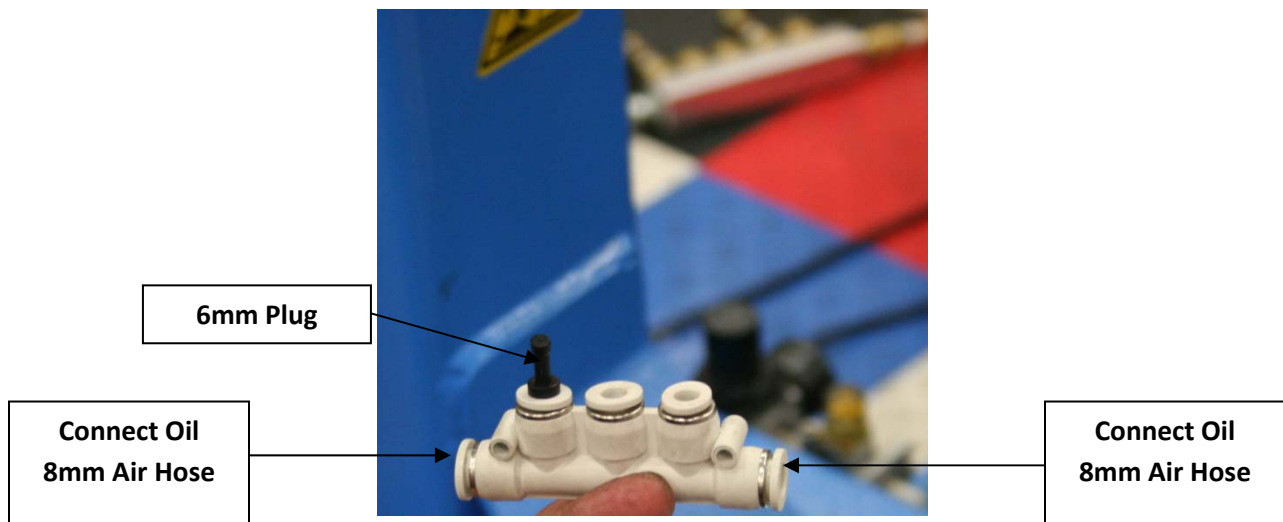
Take the longest **6mm** air line and route it to the back of the column. Secure the air line to the column (**Ties not included**). Route the airline to the back of the tire changer and insert it into an opening.



Locate the air line that is connected to the oiler. Remove the access panel on your tire machine and follow this line to the inside of the tire changer.



Once you follow the air line from the oiler to the inside of the tire changer cut this air line.



Connect each end of the **8mm** air line; **previously cut**, into the 5-way auto lock union valve (**Part 6**). **Note:** If you are not using more than one pneumatic accessory, an extra **6mm** plug will be provided.



Insert **6mm** air line into the 5-way auto lock union valve (**Part 6**) and use the provided **6mm** plugs to plug up the unused spaces in the 5-way auto lock union valve (**Part 6**).



**RECONNECT THE AIR SUPPLY TO THE TIRE CHANGER**

**TEST THE ERHA AIR CYLINDER FOR UP AND DOWN**

**MOTION**



Tighten the Bead Roller Assembly (**Part 3**) onto the Cylinder Piston (**Part 1**) to Complete the Installation.



