



Assembly Instructions Packet

Classic® HD

Motorcycle Tire Changer

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Tools Required for Assembly:

- *5/32" Hex (Allen) Wrench - Included in Lube Box inside of Box A*
- *3/16" Hex (Allen) Wrench - Included inside of Box B*
- *3/4" (or 19mm) Wrench - Socket w/Ratchet, Combination or similar*
- *7/16" (or 11mm) Wrench - Socket w/Ratchet, Combination or similar*

For mounting your Tire Changer to the floor, we recommend using 1/2" x 3+1/2" (or 12mm x 100mm) Concrete Wedge anchors (Power-Stud+® SD1 or similar) drilled to a minimum depth of 2+3/4" (or 70mm) and installed per manufacturer directions with nuts and washers.





Classic® HD Tire Changer

Assembly Preparation & Master Parts List

- ❖ A Box
 - Mount Demount Bar
 - MD Bar Handle
 - Spare Demount Tip
 - Lube Pint
 - Spray Bottle and Nozzle
 - 5/32" Hex Wrench
- ❖ B Box
 - Stand Post
 - Stand Base
 - Stand Triangle
 - Hardware Pack
 - 1 (16) 1" FSHCS
 - 2 (16) Serrated Flange Nut
 - 3 3/16" Hex Wrench
- ❖ D Box
 - Back Post (with pre-installed bushing)
 - Slide Arm w/ Attached Aluminum T
 - Long Break Arm
 - Center Post
 - Tool Collar
 - Aluminum T Hardware Pack
 - 1 Carriage Bolt
 - 2 Female Plastic Knob
 - 3 Zinc Washer
- ❖ C Box
 - (2) Front Frame Arms
 - Rear Frame Arm
 - Y-Plate Set
 - 1 Bottom Y-Plate w/ Welded Cup
 - 2 Top Y-Plate
 - Dog and Cam Block Set
 - 1 (2) Dog Block
 - 2 Cam Block w/ Installed Handle
 - Breaker T
 - Stop Collar
 - Clevis Collar
 - Hardware Pack
 - 1 (12) 1" FSHCS
 - 2 (6) Plastic Spacer Plates
 - 3 (3) 1" Hex Bolt
 - 4 (3) Washer
 - 5 1/2" Shoulder Bolt
 - 6 Nylock Nut

Notes and Tips:

1. Any set screws (sometimes called "grub" screws) have been pre-installed in their specified locations at the factory to aid in identification and assembly. Remaining hardware needed for assembly is included in the hardware pack inside of Box B & C.
2. Some screws may be more difficult than others to turn in due to powder coating residue in the threads. In these cases, a drop of oil or other lubricant (such as WD-40®) can aid in installation, as well as partially tightening and then loosening gradually until the screw is completely fastened.
3. We **strongly** recommend using only the provided Hex (Allen) Wrenches to install/tighten hex-drive screws, and hand tools (ratchet or combination wrench) for other bolts. Using power tools (even battery powered) can cause threads to strip or hex sockets to round out.

If you have any difficulty assembling your tire changer or changing tires, the instructional videos on our website are extremely thorough and helpful, and are in the process of being updated to show many of the changes described in these notes.

If you require further assistance or technical support, please call us at 888-98-NOMAR (888-986-6627) and we will be happy to assist you!



Classic® HD Tire Changer *Assembly Instructions*

Step 1: Remove all items from the A Box. Using the provided 5/32" Hex Wrench attach the MD Bar Handle to the MD Bar where the Install Handle sticker is located. (Keep this Hex Wrench handy)

Step 2: Remove all items from the B Box. Attach the Stand Base and Stand Triangle to the Stand Post using (16) 1" FSHCS, (16) Serrated Flange Nuts, and provided 3/16" Hex Wrench. Orient the parts such that the tab located on the side of the Stand Post is below the "point" of the triangle. (See Figure 1 below)



Figure 1



Figure 2

Step 3: Remove all items from the C Box. Attach the 3 Frame Arms together using the 2 Y-Plates. These are secured together by (12) 1" FSHCS and the (6) Plastic Spacer Plates that go between the Y-Plates and Frame Arms. Make sure all threads of screws are started before fully tightening.

Step 4: Attach the Frame Assembly to the Stand Assembly using (3) 1" Hex Bolts and (3) Washers. Use a 3/4" wrench to tighten. The Rear Frame Arm should be in line with the tab on the Stand.

Step 5: Remove all items from the D Box. Slide the Back Post through the cupped portion of the Rear Frame Arm until the bottom extends past the cup by about 4" (the bushing should be facing up). Secure the Back Post to the changer by tightening the (4) set screws in the Rear Frame Arm using the 5/32" Hex Wrench.

- Step 6:** Install the Aluminum T hardware by inserting the Carriage Bolt into the side with the square notch, placing the washer over the other end of the Carriage Bolt, and then installing the Female T Knob to the end of the bolt. (Finger Tight, DO NOT OVER TIGHTEN YOU WILL STRIP THE BRASS THREADS)
- Step 7:** Remove the 3/4" Shoulder Bolt and (2) Washers that come preinstalled from the Clevis Collar. Attach the far end of the Long Break Arm to the Clevis Collar by working the 3/4" Shoulder Bolt that was just removed through the Clevis Collar, then through a washer, then through the hole at the end of the Long Break Arm, through the other washer, and then finally thread it back into the other side of the Clevis Collar. (This step can be a bit tricky.)
- Step 8:** Slide the Stop Collar over the Back Post, then the Clevis Collar (make sure the empty hole on the Long Break Arm is pointed towards the floor), and finally the Tool Collar. All three of these items can be left towards the bottom of the Back Post on top of the Rear Frame Arm for now. (Check progress with Figure 2 above.)
- Step 9:** Install the Aluminum T and Slide Post to the top of the Back Post by pushing the Aluminum T over the plastic bushing of the Back Post. Tighten the preinstalled Socket Cap Screw located on the Aluminum T to secure this assembly. (Take a moment to check that the Slide Arm and Aluminum T swivels freely at this time.)
- Step 10:** Insert the Center Post with the pin facing down through the hole in the Slide Arm, the Center Post should be able to drop into the cup in the middle of the frame assembly (if this is not the case you may need to adjust the Slide Arm by loosening the Carriage Bolt and tapping the Slide Arm to move it, it will be very tight). The T Knob attached to the Slide Arm is for securing this Center Post when you are using the Changer.
- Step 11:** Using the 1/2" Shoulder Bolt and Nylock Nut(7/16" wrench) provided in the C Box Hardware Pack fasten the Breaker T that was also included in the C Box to the empty hole in the Long Break Arm. (The "spine" of the Breaker T should be facing the Back Post.)
- Step 12:** Slide the Tool Collar up to the Aluminum T and secure by tightening the (2) preinstalled set screws. Then slide the Clevis Collar and Stop Collar up to the bottom of the Tool Collar and secure by tightening the (2) preinstalled set screws on the Stop Collar. (You can adjust this height as needed by loosening the Stop Collar.)
- Step 13:** Compare your assembled changer to the photo in Figure 4 to verify all parts are assembled correctly.
- Step 14:** Mount the tire changer to a suitable surface/floor using anchors.
- Step 15:** Put your Dog and Cam Blocks on the tire machine. Your machine is ready to start changing tires!
- Step 16:** Please visit the Video Library on our website to familiarize yourself with the Tire Changer use and technique prior to changing your first tire.

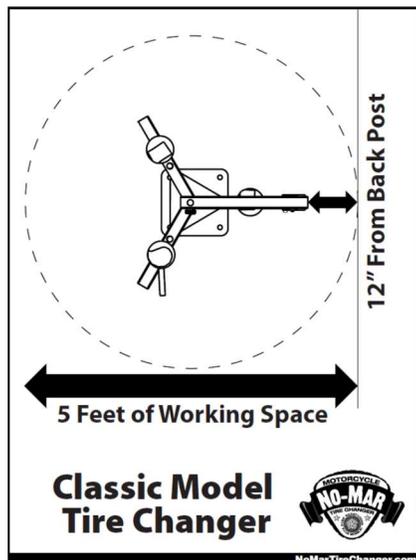


Figure 3



Figure 4