



Assembly Instructions Packet

CH200® HD

Motorcycle Tire Changer

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NoMarTireChanger.com

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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 E*
- *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.





CH200[®] HD Tire Changer

Assembly Preparation

We recommend unpacking and assembling your tire changer in the following order:

1. Box **A** - Mount/Demount Bar (save 5/32" Hex ("Allen") Wrench for use with Box H and Box J). The Mount/Demount Bar has its own set of instructions inside of the "Lube Box" contained within Box A.
2. Box **E** - Stand Assembly
 - a. Stand Assembly Special Notes:
 - i. Stand posts have been upgraded to a revised Heavy Duty design. The basic assembly remains the same, except there are now 16 (sixteen) 5/16"-18x1/2" Flat Socket Head Cap Screws (part 'S') used to secure the stand bottom plate and top triangle plate to the stand post flanges.
 - ii. Be sure to assemble the stand with the tab for attaching the bead breaking arm facing towards the front of the tire changer. The bead breaker arm may be attached via either hole in the tab depending on the size tire you are working with.
3. Box **H** - Frame Assembly (Now with Heavy Duty 3" Frame Arms EXCLUSIVE to the CH200[®]!)
4. Box **J** - Upper Arm Assembly

Notes and Tips:

1. All set screws (sometimes called "grub" screws) and select other 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 H.
2. Some screws may be more difficult than others to turn in due to excess 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. The stand base plate has chamfered (counter-sunk) holes so the plate will sit flush with the ground. The stand triangle plate and y-plates do not have chamfers by design, and the screw heads will not be flush with the surface.
4. 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 the primary method to learning how to change your own motorcycle tires without scratching your wheels!

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!



CH200[®] HD Tire Changer Assembly Diagram & Instructions

Machine Parts

- A** Stand Post
- B** Stand Bottom Plate
- C** Stand Triangle Top Plate
- D** Frame Assembly
- E** Back Post w/Swivel Tee Pre-Installed
- F** Posi-Clamps[®]
- G** Bead Breaker Platen Block
- H** Bead Breaker Arm
- I** ATV Bead Breaker "Tee" (included Scratch-Proof bead breaker not shown)
- J** Slide Arm
- K** Center Post
- N** Tool Collar (older style shown)
- O** SpoonBar[®] Hanging Bolt

Assembly Parts

- P** 5/16" x 5/16" set screw (4 installed)
- Q** 1/2" x 1" Hex bolt (3)
- R** 1/2" Flat Washer (3)
- S** 5/16" x 1/2" Flat Socket Head Screw (16)
- T** 3" Carriage Bolt and Locking Knob (1)
- U** 5/16" Flat Washer (1)
- V** 5/16" x 3/4" Shoulder Bolt (2)
- W** 5/16" x 1" Flat Socket Head Screw (2)
- X** 1/4" Nylock Nut (2)
- Y** Center Post Knob (1)
- Z** 5/16" x 1/2" Flat Socket Head Screw (12)
- BB** 3/16" Allen Wrench (1 - in stand box)
- CC** 5/32" Allen Wrench (1 - with M/D Handle)

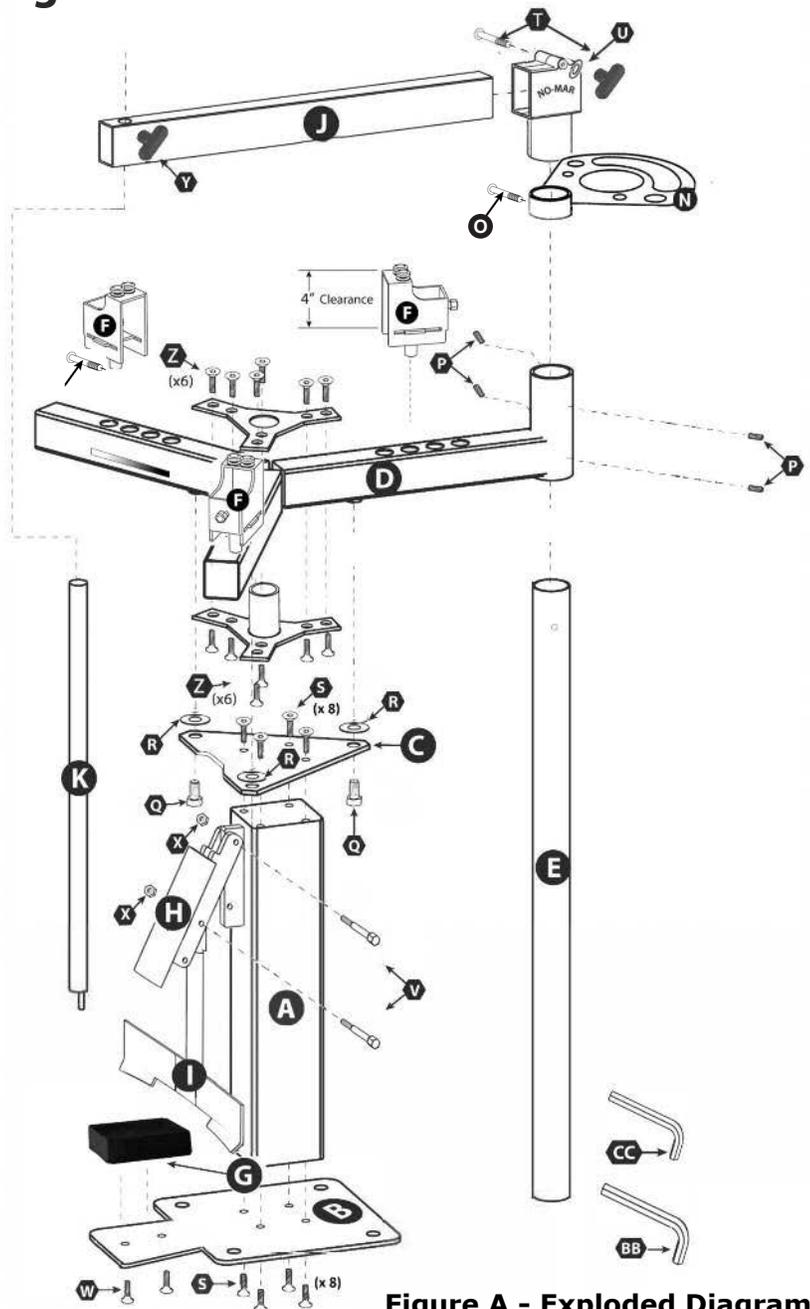


Figure A - Exploded Diagram

Changer Placement: We recommend assembling the tire changer before mounting to the floor so the user will better understand the space needed for the changer and changer tools. We recommend providing a 5-foot clearance circle from the center of the frame assembly, and 12" clearance from the rear of the machine to any wall. See Figure B.

- STEP 1** Attach Bead Breaker Platen (G) to the top of Stand Base (B) using 2 Screws (W). The side with chamfered (counter-sunk) holes is the bottom of the Stand Base (B).
- STEP 2** Attach Stand Base (B) and Stand Triangle Top (C) to Stand Post (A) using 16 Screws (S). There are 8 screws for each plate, but only 4 of each are shown on the diagram due to a design revision. The notch in the Stand Triangle goes towards the front. The bead breaker tab on the stand post should face the front as well. Make sure all threads of all screws are started before tightening and be certain to tighten these screws securely.
- STEP 3** Attach 3 frame arms (D) using 2 "Y-plates" as shown, fastening with 6 screws (Z) on top and bottom. Make sure all threads of all screws are started before tightening.
- STEP 4** Attach Frame Assembly (D) to the Stand Assembly in the orientation pictured, using 3 1/2" hex bolts (Q) and 6 washers (R). Use a 3/4" (19mm) wrench to tighten.
- STEP 5** Do not remove the Swivel Tee from Back Post (E) or damage to the bushing may
- STEP 6** Secure Tool Collar (N) onto the Back Post (E), approximately 1/8" below Swivel Tee by tightening 1 set screws (P). You may align the tool collar in the orientation you find most convenient. Remove the second set screw (P) and discard it. Install the 3" SpoonBar Hanger Bolt (O) in it's place.
- STEP 7** Slide Back Post (E) into the top of the Frame (D) so that it extends 6" below rear frame arm collar. Tighten (4) set screws (P).
- STEP 8** Attach Bead Breaker Arm (H) to the top hole in the tab on the Stand Post (A) using a 3/4" shoulder bolt (V) and a Nylock Nut (X). (There will be play in this joint -- this is by design!!!)
- STEP 9** Attach Bead Breaker "Tee" (I) to the Bead Breaker Arm (H) using the other 3/4" shoulder bolt (V) and Nylock nut (X). Verify proper alignment of the tee so that the curve of the tee aligns with the curve on a wheel. Use 5/32" Allen Wrench and 7/16" wrench on Nylock nut to tighten. (There will be play in this joint -- this is by design!!!)
- STEP 10** Insert Slide Arm (J) in the opening of the Swivel Tee as shown with the large holes at the front and oriented up and down. The slide arm may fit very tightly depending on the thickness of the powder coat finish. Tighten the Locking Knob (T) to secure the slide arm in position. **Do not over-tighten.** The upper arm should swing side-to-side freely at this time.
- STEP 11** Insert the Center Post (K) into the hole on the end of the Upper Arm (J) with the pin pointing down. Hold the center post in position using the Center Post Knob (Y) on the side. There is a cup in the center of the "Y-plate" on the Frame Assembly where you can engage the center post for single-sided swingarm wheels, automotive wheels, or any wheels with a large axle opening (the center post will not fit through all wheels, for such wheels the steel eccentric pin should be engaged in the bearing, the non-marring insert should protect bearing seals).
- STEP 12** Mount the tire changer to a suitable floor using anchors.
- STEP 13** Compare your assembled changer to the photo in Figure C to verify everything was done correctly.
- STEP 14** Please visit the Video Library on our website to familiarize yourself with tire changer use and technique prior to changing your first tire.

Figure B - Space Requirements

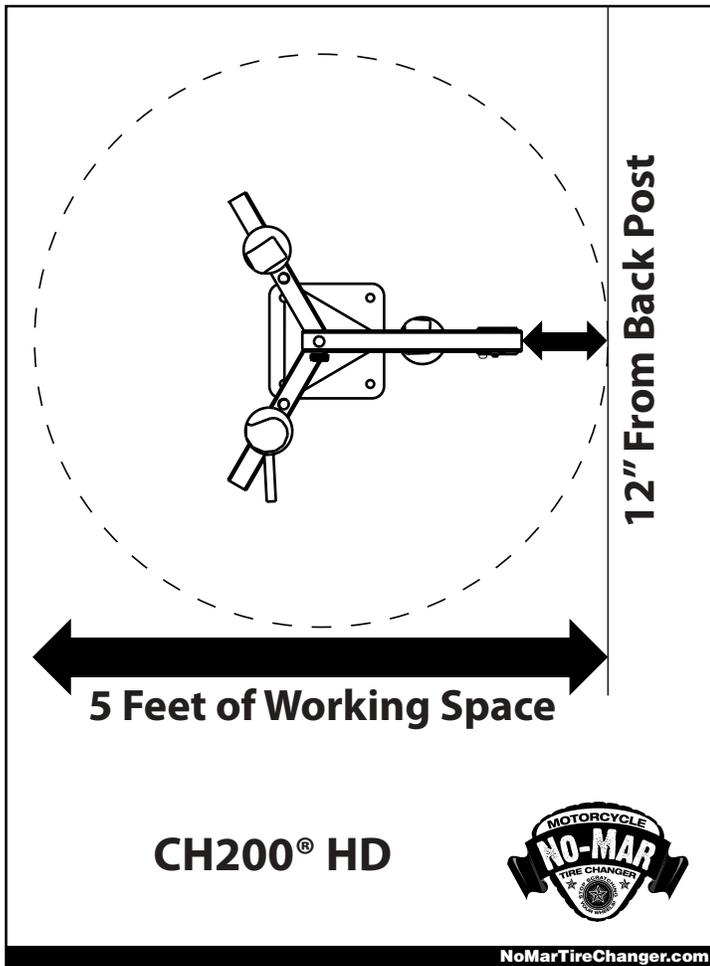


Figure C - Assembled Changer

