



# Multi-Pro™ Post Driver U-Channel Drive Kit 301175

## Installation Instructions





## **U-Channel Chuck Kit Parts Included:**

- Multi-Pro™ Slotted Chuck (301159)
- Extended Anvil (301169)
- (4) Chuck Bolts (300717-4)
- (4) Lower Body Bolts (300701-4)
- Sleeve O-ring Seal (301618)
- Anvil O-ring Seal (301615)
- Multi-Pro Body Gasket (301710)
- (4) Lock Washers (300750-4)
- (4) Lower Body Bolts (300702-4)
- Rhino® Pro Series Lubricant (300500)

## **Tools Required:**

- Socket Wrench with 1/4" Hex Bit
- Torque Wrench with 1/4" Hex Bit
- Loctite Primer N 7649 and Threadlocker 243
- 1/4" Hex Key
- 5/32" Hex Key

## **Empty Fuel and Oil**

Follow the instructions specified by Honda for draining oil and remaining fuel from the engine before beginning repair procedures. Please responsibly discard any oil or fuel that will not be reused.



## Removing the Existing Chuck

Remove the Chuck-Lok™ nut from the chuck.



Then using a 1/4" hex drive bit remove the 4 chuck bolts and 4 lock washers and detach the chuck.

Using acetone or cleaning solvent clean any dried threadlocker from the bolt holes of lower body to ensure all debris from previous installation has been removed.



Replace the Chuck-Lok™ nut onto the standard chuck and store in a convenient place for future use.

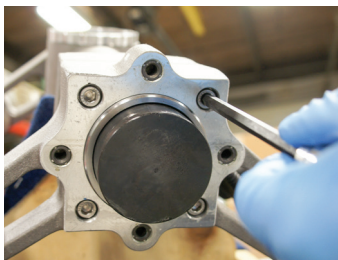


## Installing the Channel Post Chuck

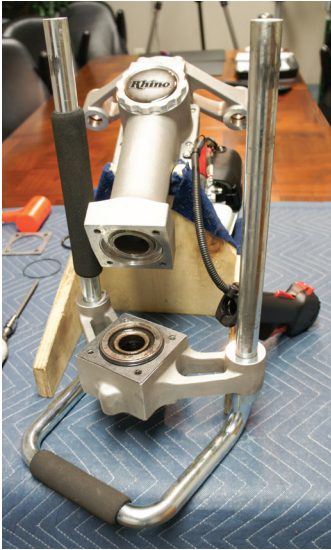
With a 1/4" hex bit socket remove the 2 bolts in the top handle. Detach the handle, remove the handle collars and handle springs. Clean any dried threadlocker from the top handle bolts and the handle collars bolt holes to ensure all debris from previous installation has been removed. Set bolts aside.



Loosen slightly (do not remove) 2 hex bolts on opposite corners of the throttle with a 5/32" hex key (4mm) just enough to allow it to slide freely on the handle tube.



Remove the four lower body bolts at the bottom of the driver with a 1/4" hex bit socket. Clean any dried threadlocker from the bolts and the bolt holes to ensure all debris from previous installation has been removed.



Separate the lower body from the upper driver body and slide the throttle off the end of the handle. Remove the gasket and sleeve o-ring from the lower body and discard them.



Remove the entire anvil o-ring cup with contents intact from the lower body.



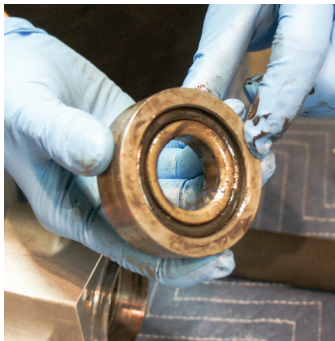
Position the handle and lower body as shown and with a soft mallet carefully strike the bottom of the anvil to dislodge it, then grasp it with your hand and slide it out. Set it aside and store in a convenient place for future use.



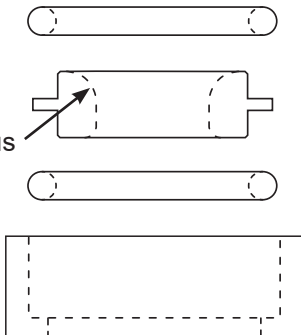
Apply a thin coat of Rhino<sup>®</sup> Lubricant to the extended anvil (301169) and install the anvil o-ring (301615) in the o-ring track. Spread a small amount of lubricant over the o-ring to lubricate it also.



Stand the handles and lower body in the upright position. Insert the lubed anvil with o-ring into the lower body. If it does not seat completely, tap it lightly with a soft mallet to seat in proper position. It may be a tight fit.



Radius



If the elements in the anvil o-ring cup need to be reassembled, do so in this order: 1.) lower o-ring; 2.) large retainer with radius to the top; 3.) top o-ring. Then insert assembled anvil o-ring cup into the lower body.

Peel the adhesive cover from one side the gasket (301710) and install adhesive side aligned to bolt holes onto lower body. Then peel away the second side. Place sleeve o-ring (301618) around sleeve above gasket.





Set out the lower body bolts (300702-4 or 300701-4) and apply Loctite 7649 N Primer to threads of each bolt and to bolt holes on the upper body and allow them to dry. When it has dried apply Loctite 243 thread locker to bolt holes on the bottom of the upper driver body.

Slide the throttle onto the right handle, then insert the handles into the top handle bracket. *(Tip: You may need to snug the throttle in a temporary center position to prevent the handle from sliding too deep into the upper bracket and damaging the left foam grip.)*



Insert and thread by hand the lower body bolts (300702-4 or 300701-4). Tighten them into place with a 1/4" hex bit socket in a crossing pattern, then with a torque wrench set to 251 in/lbs torque the accordingly in the same crossing pattern. Slide





the throttle into a center position and tighten the hex nuts with a 5/32" (4mm) hex key. Set out the top handle bolts and apply Loctite 7649 Primer N to threads of each bolt and to bolt holes on the handles followed by an application of Loctite 243 thread locker to bolt holes on top of side handles. Using acetone or solvent, clean and springs and inside of handle collars, then apply grease to both.



Insert springs and handle collars with the deeper opening side over the springs and into the top handle bracket. *Tip: Slide the throttle down all the way allow it to hold the handle in the upright position.*



Insert the top handle bolts through openings of the top handle. Set the end of the protruding bolts through the bolt holes on the handle collars into the bolt holes on tops of the handle. *Tip: With the handle all the up, set the handle collars into the top handle allowing them to rest against the handle tube and top handle as shown.*



With a 1/4" hex bit tighten the 2 bolts into the handle. With a torque wrench set to 132 in/pounds (15Nm) torque the bolts.



Place lock washers (300750-4), over the chuck bolts (300717-4) and apply Loctite 7649 Primer N to threads of each chuck bolt and to chuck bolt holes on the lower body and allow them to dry. When dry, apply Loctite 243 thread locker to threads of bolt holes.

Slide the slotted chuck (301159) over the protruding anvil and align the bolt holes. Insert and start each chuck bolt by hand. Then tighten the bolts with a 1/4" hex wrench in a crossing pattern.



Finish the installation by using a torque wrench equipped with a 1/4" hex bit. Set the torque wrench to 251 in/pounds and torque the bolts in the same crossing pattern.



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