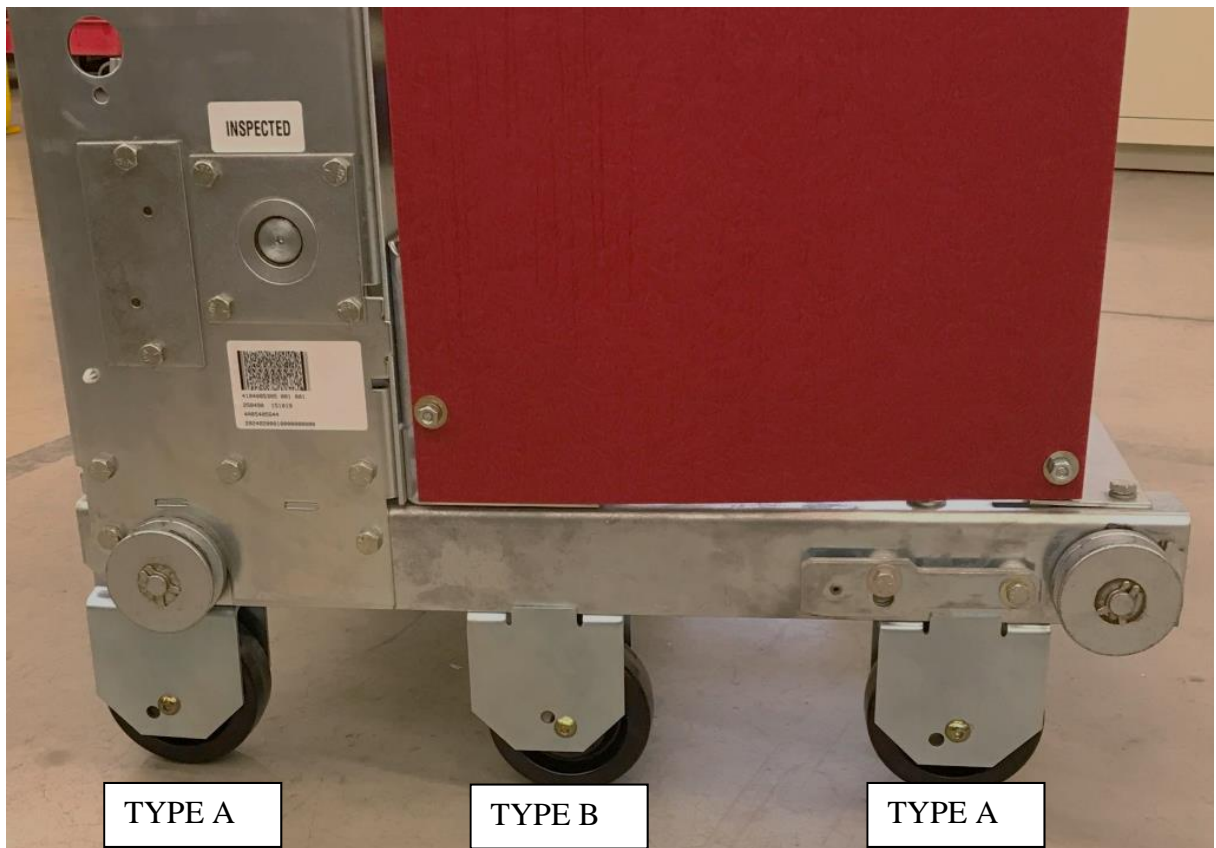


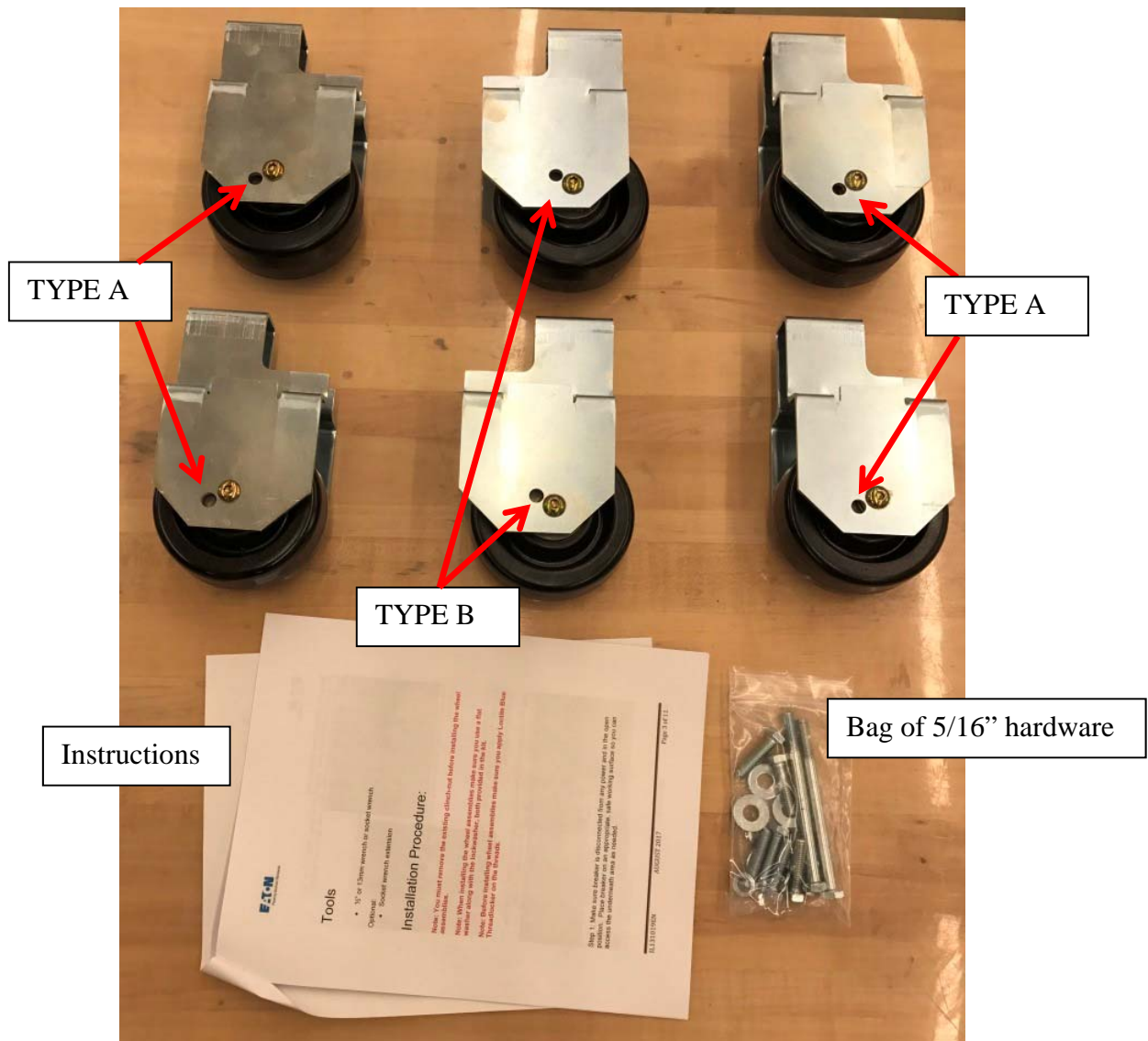
ROF (6) Wheel Installation Instructions for kit 68C5010G42

*For Use with 5/15/27kV Type VCP-W Products
This is not used on 4000, 5000 and 6000A Ratings.*



6 Wheel Kit Assembly

- (1) Kit contains
 - (4) – Type “A” corner wheels – shown below
 - (2) – Type “B” center wheels – shown below
 - Hardware – 5/16” hex bolts, flat washers and lock-washers
 - Instructions
 - Loctite Thread-locker not included



Tools

- 1/2" or 13-mm wrench or socket wrench
- 7/16" wrench or socket wrench
- Small hammer or mallet (removal of clinch-nuts)

Optional:

- Socket wrench extension
- Torque wrench

Installation Procedure:

Note: You must remove the existing clinch-nuts before installing the wheel assemblies as shown in accompanying figures.

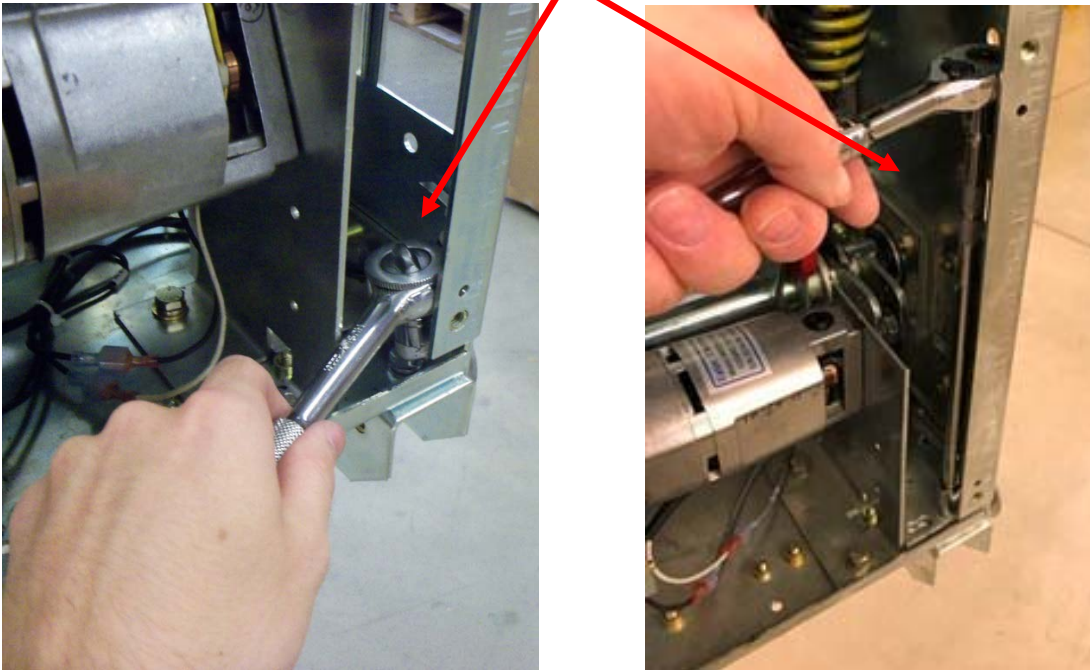
Note: When installing the wheel assemblies make sure you use a flat washer along with the lock-washer, both provided in the kit.

Note: Before installing wheel assemblies make sure you apply Loctite Blue Thread-locker on the threads.

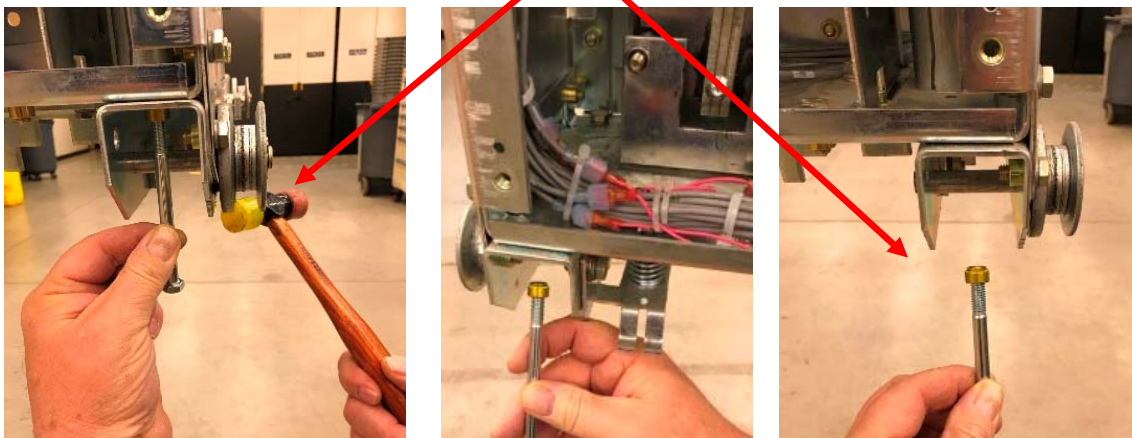
Step 1: Make sure breaker is disconnected from any power and in the open position. Place breaker on an appropriate, safe working surface so you can access the underneath area as needed.

Step 2: Remove the Front breaker cover.

Then remove bolts in the 2 (left & right) front corner areas of the breaker, using a 1/2" or 13mm wrench or socket. An extension on the socket helps but is not necessary.



Note: You must remove the existing clinch-nuts before installing the wheel assemblies. (Insert the 5/16" x 4.0" hex bolt into the clinch-nut then tap it with mallet or hammer as shown).



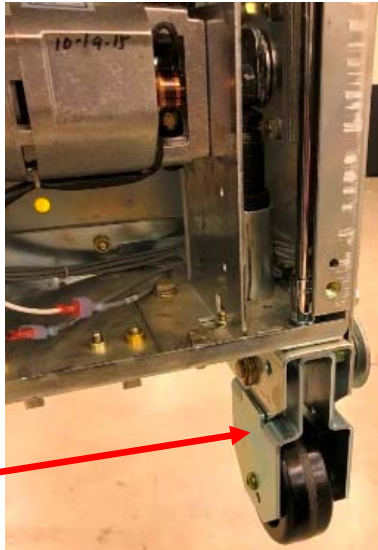
Step 3: Place the appropriate wheel assembly (Type A) in the wheel channel and attach with the given hardware (5/16 -18 x 1.25 bolt, 5/16 flat washer and 5/16 lock-washer). Apply some Loctite to the threads of the bolt before installation.

Torque Bolts to 15 ft./lbs.

Note:

For 27kV Type VCP-W Breakers you will use a 5/16-18 x 4.00 Long Hex Bolt to mount these (2) Front Wheels. These are included in the kit.

TYPE A

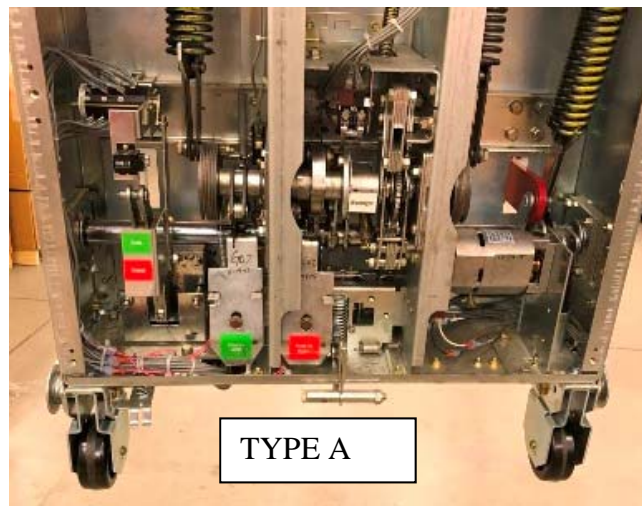
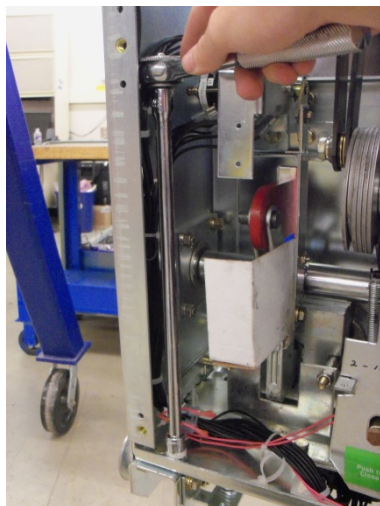


Note:
May have to loosen these 2 bolts to ease assembly.

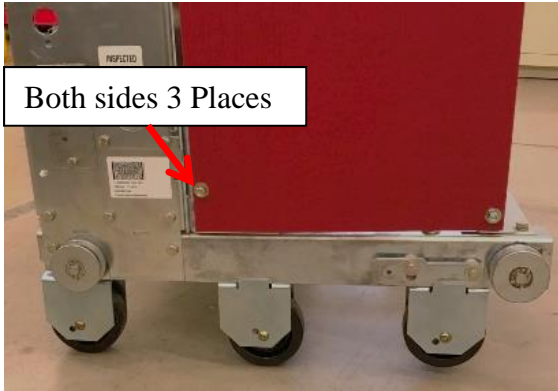


Step 4: Repeat step 3 on the opposite side of the breaker.

Torque Bolts to 15 ft./lbs.



Step 5: Remove Red Insulator & hardware on the wheel channel as shown below.

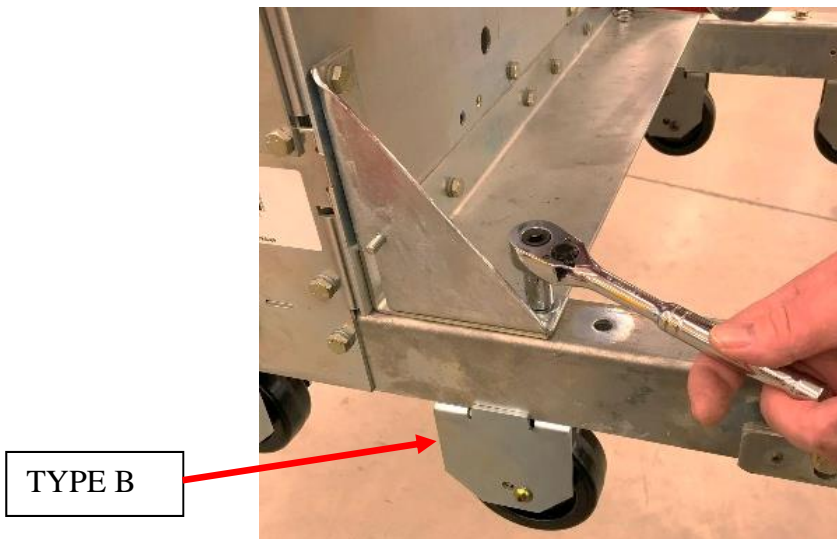


Note: You must remove the existing clinch-nut before installing the wheel assemblies. (See Step 2 above)

Step 6: Add center/middle wheel (Type B) using the given hardware. (5/16 -18 x 1.25 bolt, 5/16 flat washer and 5/16 lock-washer). Apply some Loctite to the threads of the bolt before installation.

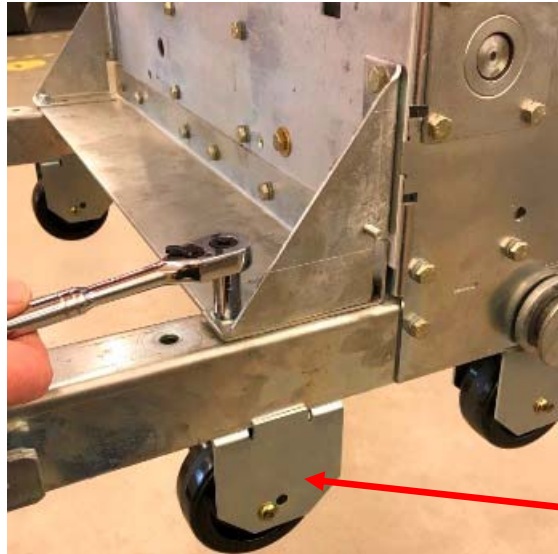
Position the wheel so that the majority of the wheel is on the side closest to the front wheels in relation to the bolt.

Torque Bolts to 15 ft./lbs.



Step 7: Repeat steps 5 and 6 on the opposite side of the breaker.

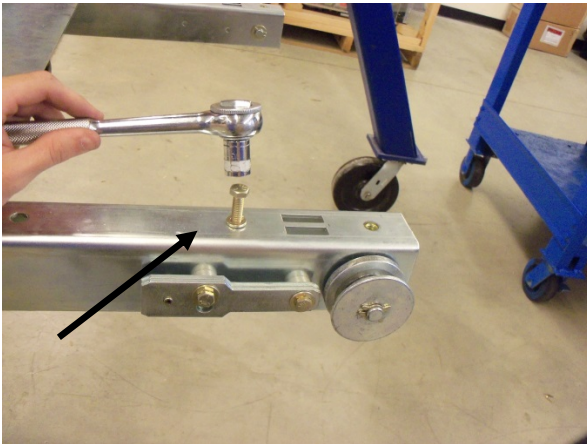
Torque Bolts to 15 ft./lbs.



TYPE B

Note: You must remove the existing clinch-nut before installing the wheel assemblies. (See Step 2 above)

Step 8: Remove existing hardware (if installed). (Pole Unit not shown).

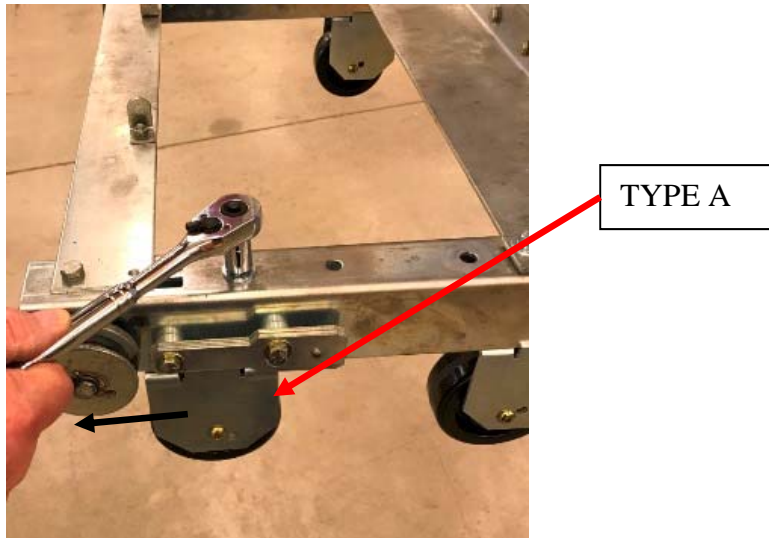


Note: You must remove the existing clinch-nut before installing the wheel assemblies. (See Step 2 above)

Step 9: Position wheel (Type A) so that the majority of the wheel is towards the back part of the breaker in relation to the bolt.

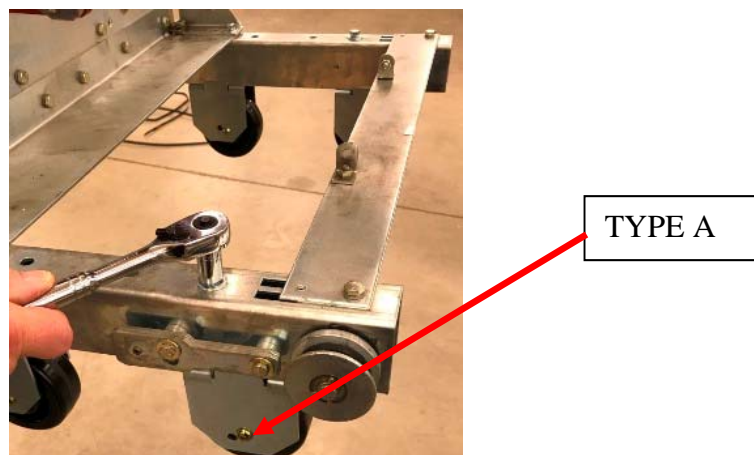
Use given hardware (5/16 -18 x 1.25 bolt, 5/16 flat washer and 5/16 lock-washer). Apply some Loctite to the threads of the bolt before installation.

Torque Bolts to 15 ft./lbs.



Step 10: Repeat Steps 8 and 9 on the opposite side of the breaker.

Torque Bolts to 15 ft./lbs.



Note: You must remove the existing clinch-nut before installing the wheel assemblies. (See Step 2 above)

Step 11 : Reinstall Red Insulators and Front Cover



-----Some special instructions are continued on the next pages -----

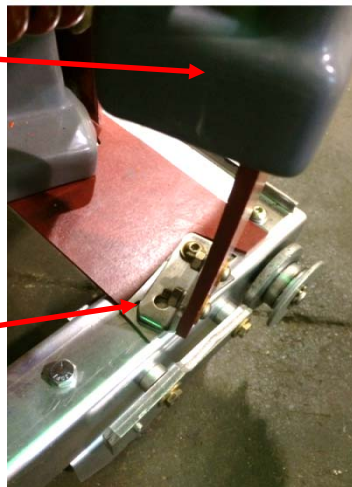
FOR THE VCP-W 50KA 3000A BREAKER CONSTRUCTION, FOLLOW THE INSTRUCTIONS ON THIS PAGE ON HOW TO INSTALL THE TYPE "A" REAR WHEEL.



SLIDE BOOT UP AND REMOVE THE EXISTING BUTTON HEAD CAP SCREW.

REMOVE STEEL SHIM OUT OF THE WAY.

KNOCK OUT THE CLINCH-NUT THAT IS INSTALLED IN FRAME CHANNEL. INSERT A BOLT INTO THREADS FROM THE TOP AND USE A HAMMER TO KNOCK IT OUT.



INSTALL WHEEL AS SHOWN IN PICTURE TO THE RIGHT. PLACE STEEL SHIM BACK IN PLACE.

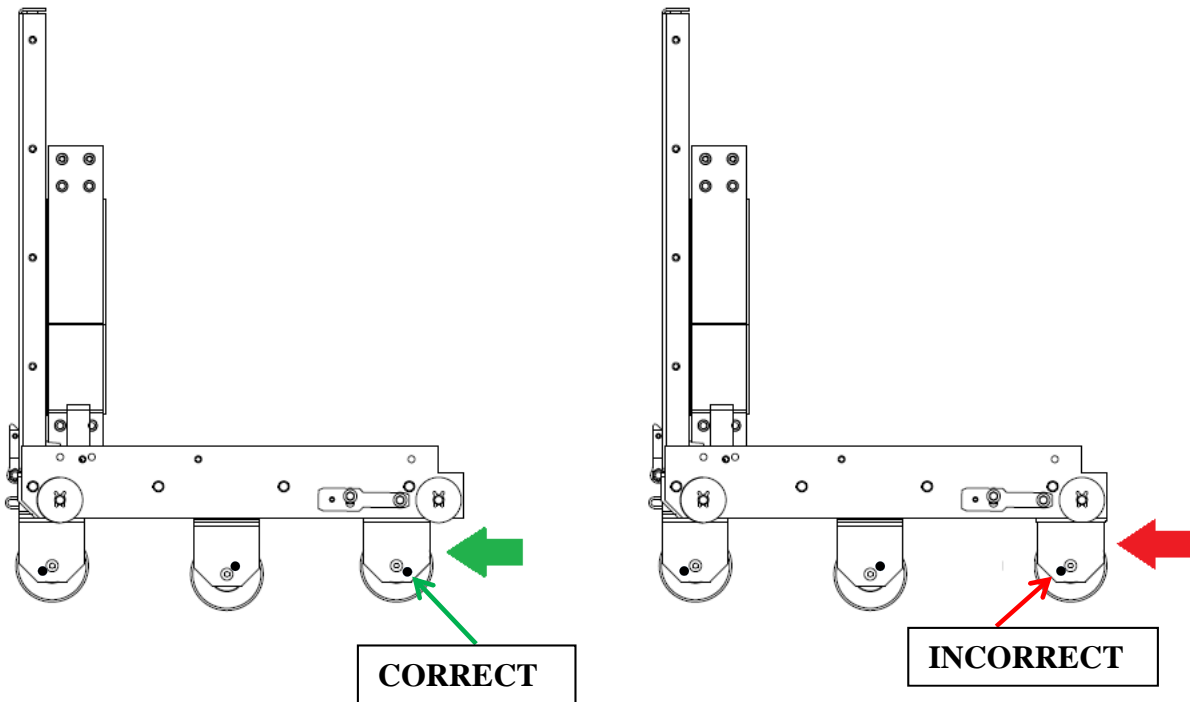
INSTALL HARDWARE AS SHOWN IN PICTURE TO THE RIGHT. .312-18 x 1.25 BOLT, .312 FLATWASHER, .312 LOCKWASHER.

APPLY LOCTITE TO THE THREADS OF THE BOLT. TIGHTEN AND LOWER BOOT BACK IN PLACE.
-Torque Bolts to 15 ft./lbs.

USE SAME PROCEDURE FOR OPPOSITE SIDE.
INSTALLATION COMPLETE.



VCP-W SIMPLE MANUAL GROUND AND TEST DEVICE
REAR ROF WHEEL MOUNTING METHOD
“CORRECT” AND “INCORRECT” METHODS SHOWN



NOTE :

For The Ground & Test Device position wheel (Type A) so that the majority of the wheel is towards the **FRONT** part of the Device in relation to the bolt.