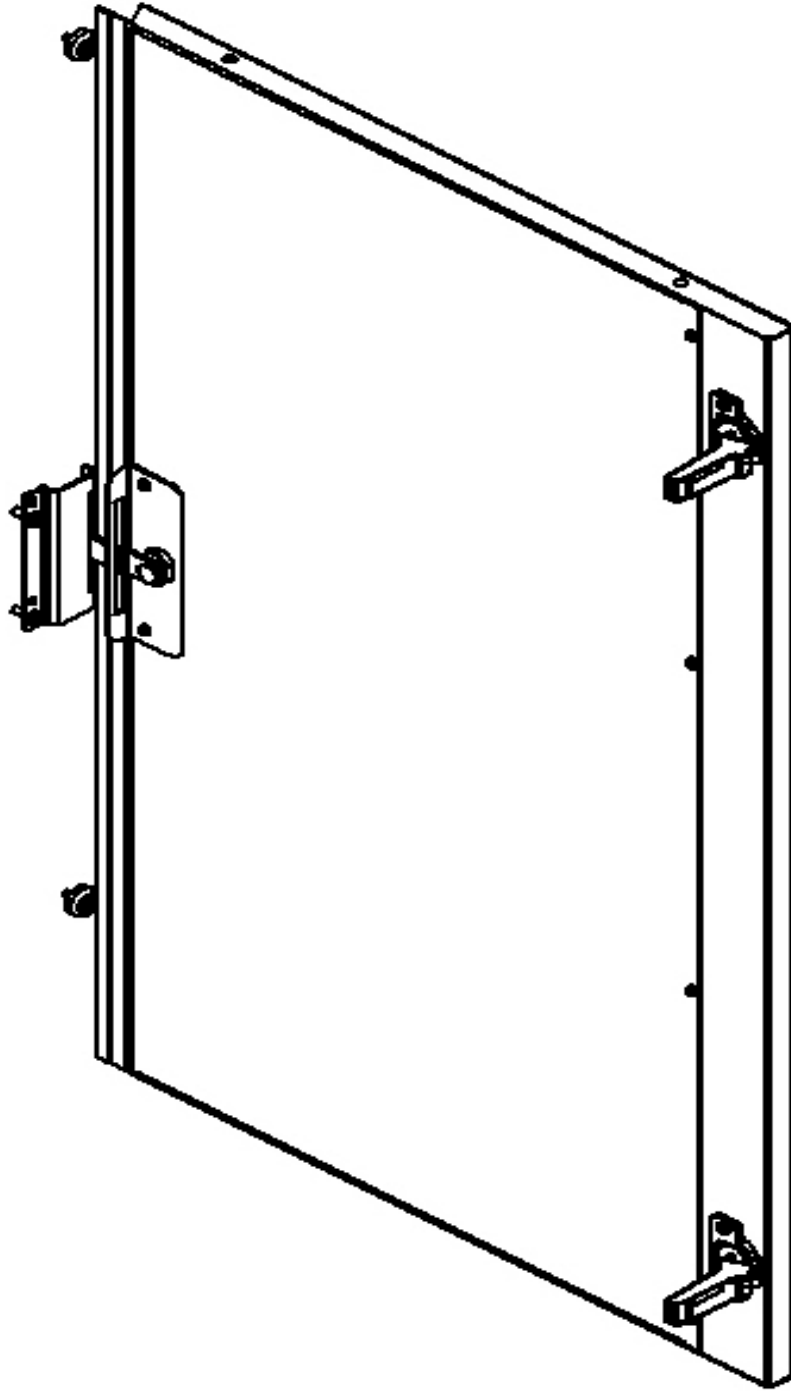


Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



General Information:

The following provides step-by-step instructions for retrofitting the Automotive Cart Garage Cabinet and Frame Flush Door. The retrofit kit will consist of the following:

Flush Door Assembly, Inset Hinge (clips only, re-use hinge mounting plates), Hinge Drill Template and drill bit, rubber door stops, Lock Plate, Spacer/Floor Anchor Plate (for Cabinet retrofit only), Left and Right Caster Guides (for Cabinet retrofit only) and mounting hardware

When received, hinge hole drilling in post and some door assembly will be required.

Before Installing Retrofit:

Before you begin installing the Retrofit Cart Garage Flush Door read through the entire assembly instructions to familiarize yourself with the assembly/installation process.

When installing the Retrofit Cart Garage Flush Door it is important to follow the same sequence as described in this manual.

Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Retrofit Kit Components:

Cart Garage Cabinet Kit

- Installation Instructions
- New Flush Door – partially assembled (need to attach new Inset Hinge Clips) consists of the following:
 - Outer Door Panel
 - Inner Door Panel
 - New die cast Lock with longer offset cam and spring clip
 - New taller Lock Cam Stop Plate (to accept longer lock cam and prevent lock cam from breaking)
- New Inset Hinge Clip only (must re-use existing hinge mounting plates)
- Drill template and drill bit
- Interchangeable Lock Core (IC) removal key with instructions
- New lower profile rubber door stops
- New lower profile lock stop plate
- New Floor Anchor/Spacer Plate (NOT used for Garage Frame)
- New Caster Guides (NOT used for Garage Frame and only used with NS Mobile Carts)
- Mounting hardware

Cart Garage Frame Kit

- Same as above kit for Garage Cabinet less new Floor Anchor/Spacer Plate and new Caster Guides

Retrofit Procedure

Visually Determine the Generation Cart Garage Cabinet and/or Cart Garage Frame

Tools Required:

- Figures 1 through 6 - visual inspection only

Steps:

1. Determine generation of Cart Garage Cabinet and/or Frame by comparing existing product to Figures 1 – 6 that follow. Please note that the Garage Cabinet had 3 generations and the Frame had 2 generations. Also note that generation 1 Cabinet and Frame do NOT accept the retrofit where all other generations can.

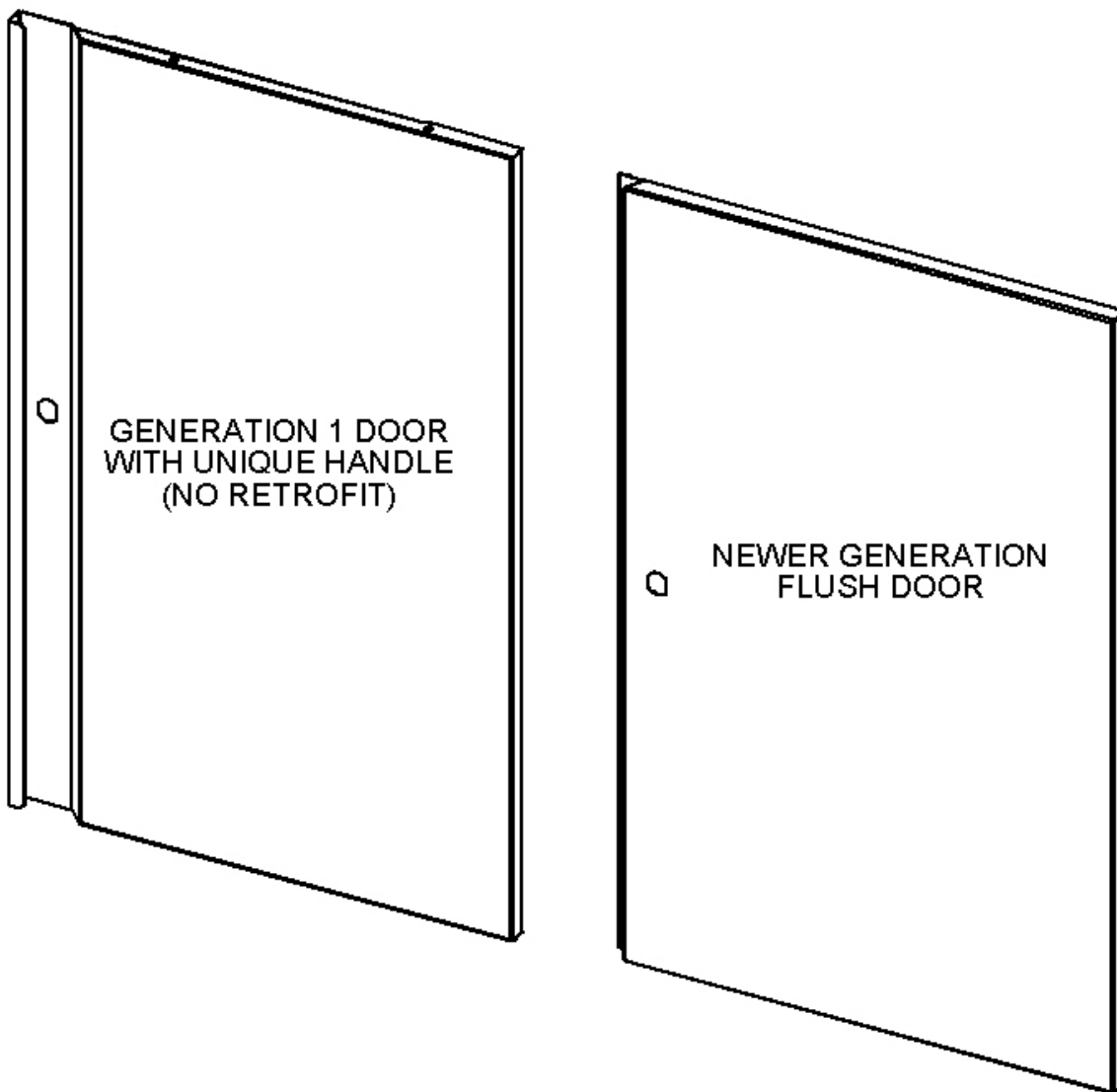
Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Generations 1 and 2 Cart Garage Flush Doors:

The first generation Cart Garage Cabinet and Frame (Figures 2 and 5) will NOT be retrofitted. All other generations are able to accept the retrofit. The two most distinguishing factors to determine if you have a GEN 1 Garage Cabinet or Garage Frame are the Flush Door and the posts. See Figure 1 for flush door comparison and Figures 2 thru 6 for different Garage Cabinet and Frame generations.

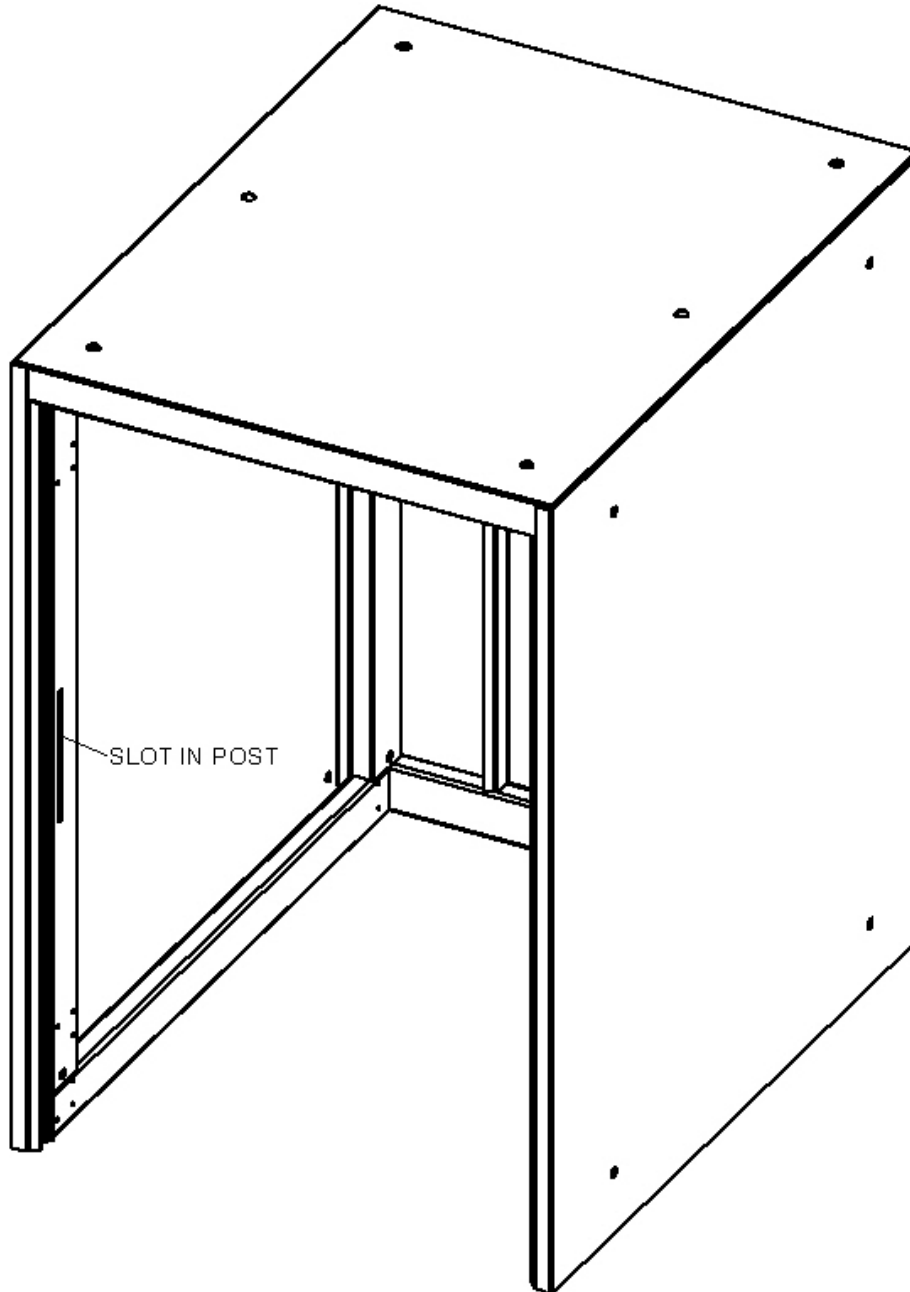
Figure 1 – Flush Door Comparison



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



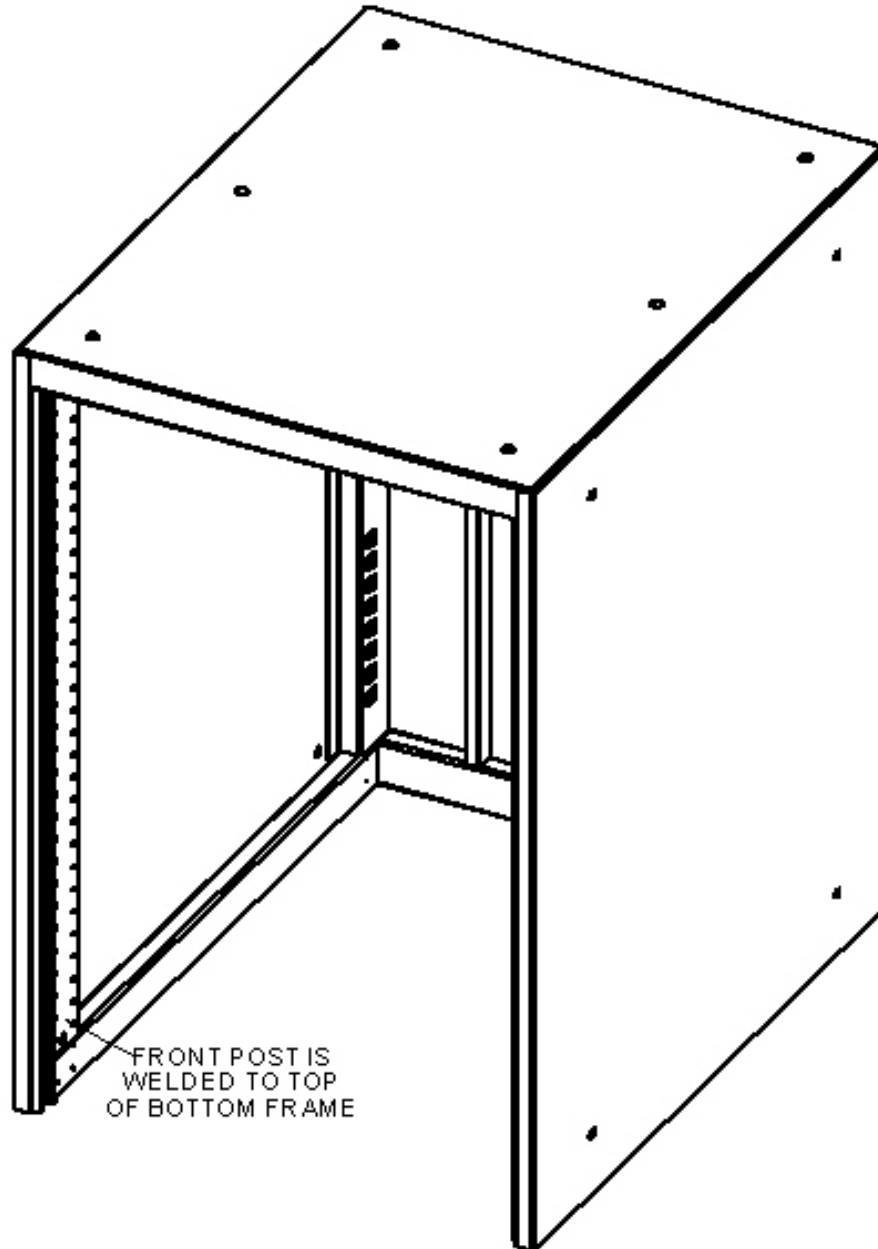
Figure 2 – Generation 1 Cart Garage Cabinet: Only generation with rectangle slot in both front posts (First Gen. Garage Frame also has same slot in posts). There is no rectangle slot in the posts of future generations, only round holes. This cabinet will NOT receive the retrofit.



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



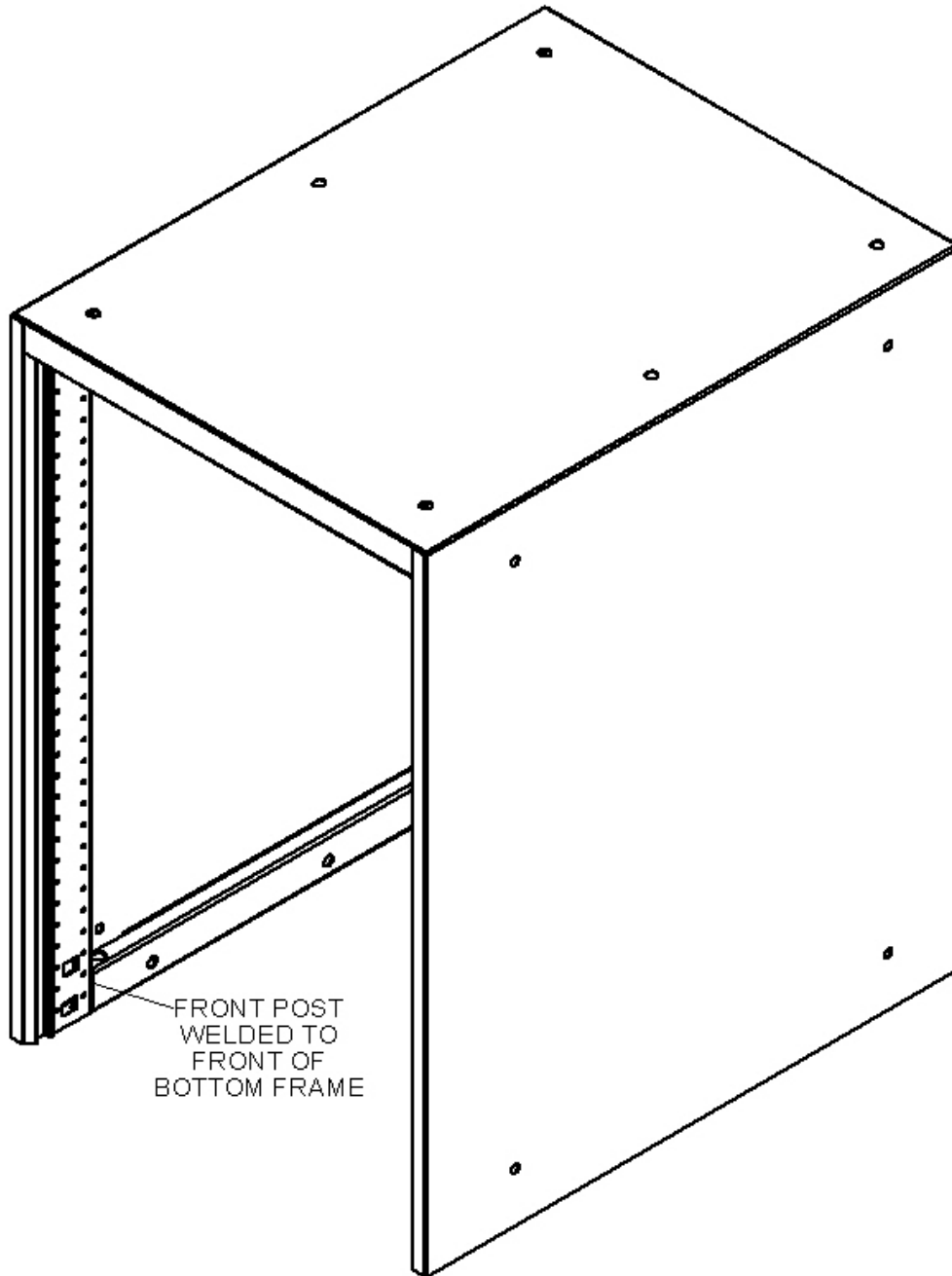
Figure 3 –Generation 2 Cart Garage Cabinet: Front posts are not full height and have round holes running top to bottom. The front posts are welded to TOP of bottom frame. This cabinet will receive the retrofit.



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



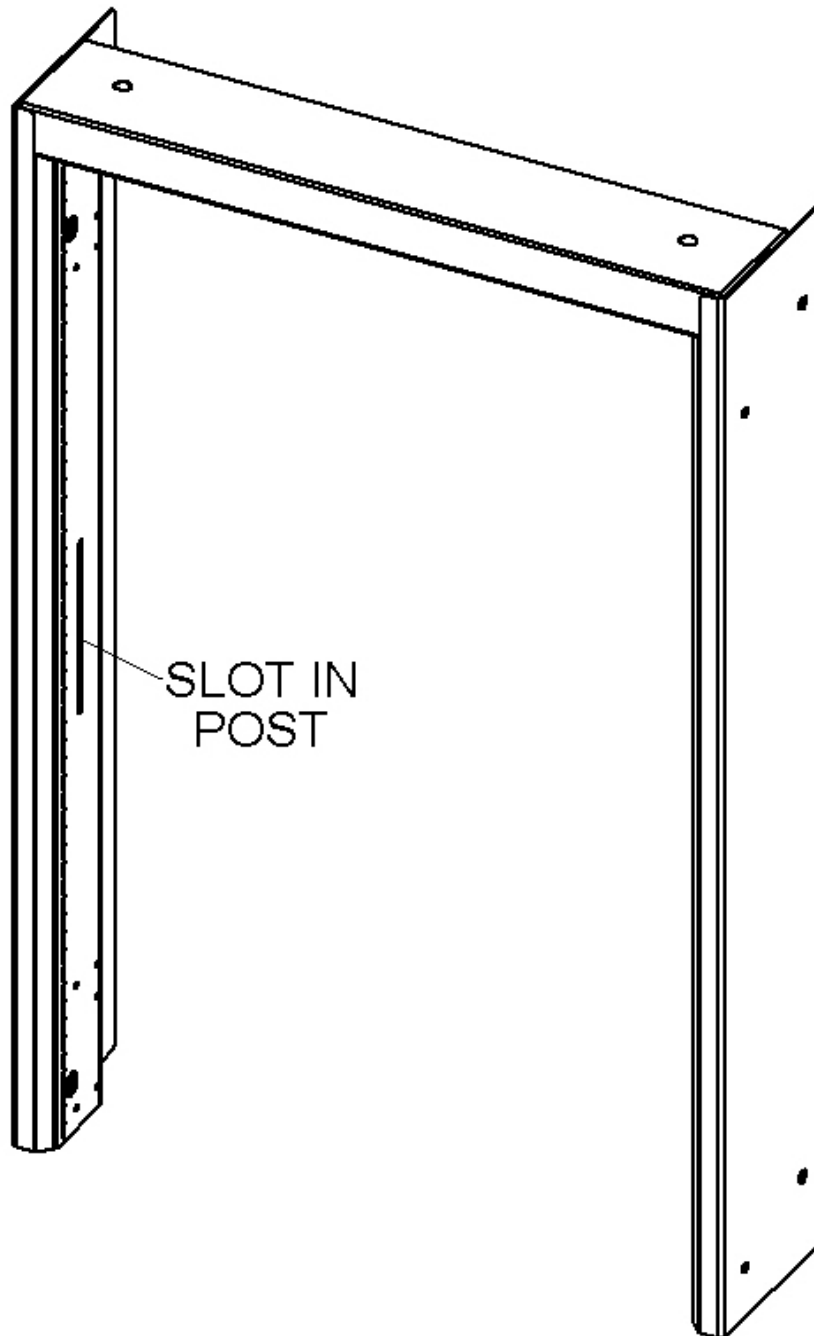
Figure 4 –Generation 3 Cart Garage Cabinet: Front posts are full height and have round holes running top to bottom. The front posts are welded to FRONT of bottom frame. This cabinet will receive the retrofit.



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



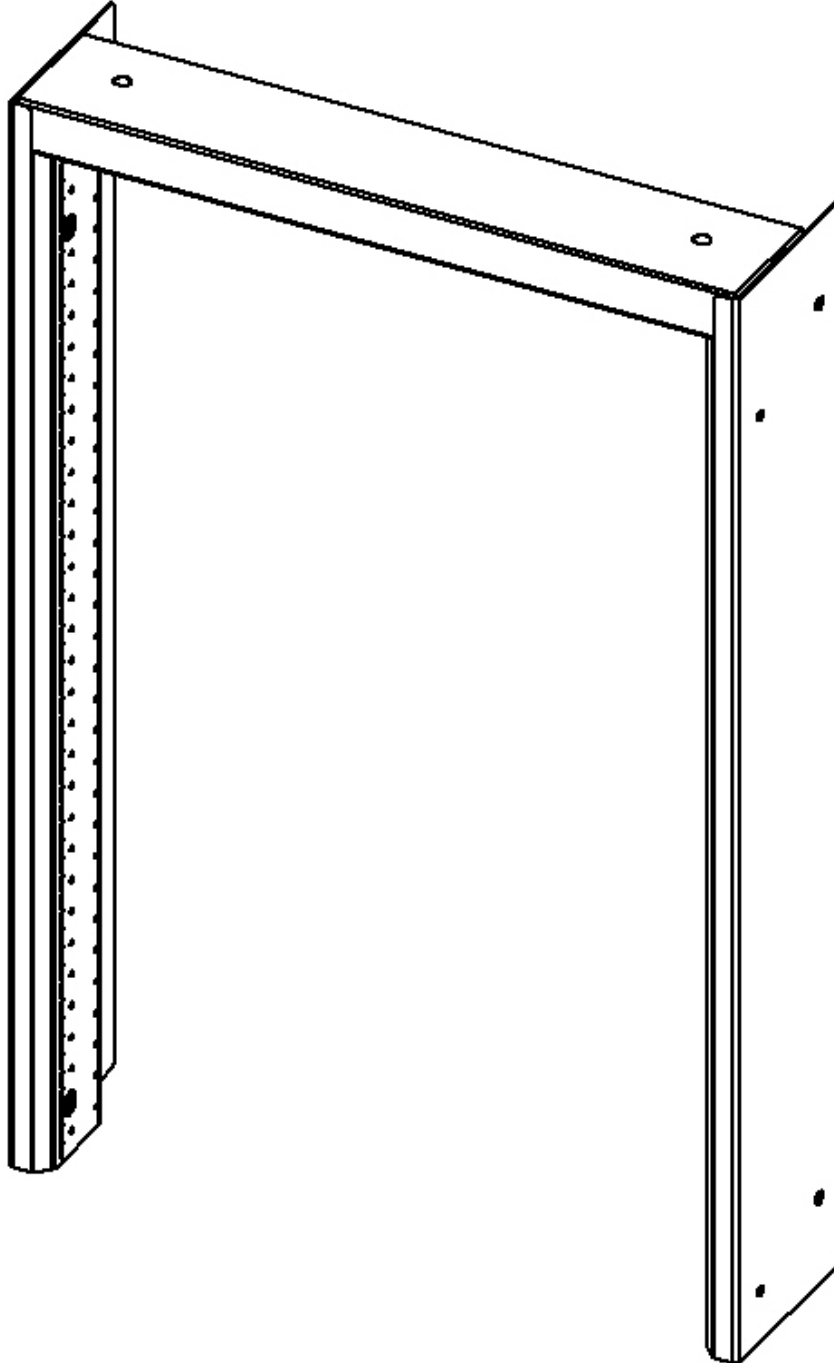
Figure 5 – Generation 1 Cart Garage Frame: Only generation with rectangle slot in both front posts (First Gen. Garage Cabinet also has same slot in posts). There is no rectangle slot in the posts of future generations, only round holes. This Frame will NOT receive the retrofit. Frames do NOT accept the Floor Anchor/Spacer Plate or Cart Caster Guides.



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Figure 6 – Generation 2 Cart Garage Frame: Front posts have round holes running top to bottom. This cabinet will receive the retrofit. Frames do NOT accept the Floor Anchor/Spacer Plate or Cart Caster Guides.



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Remove All Parts to be retrofitted

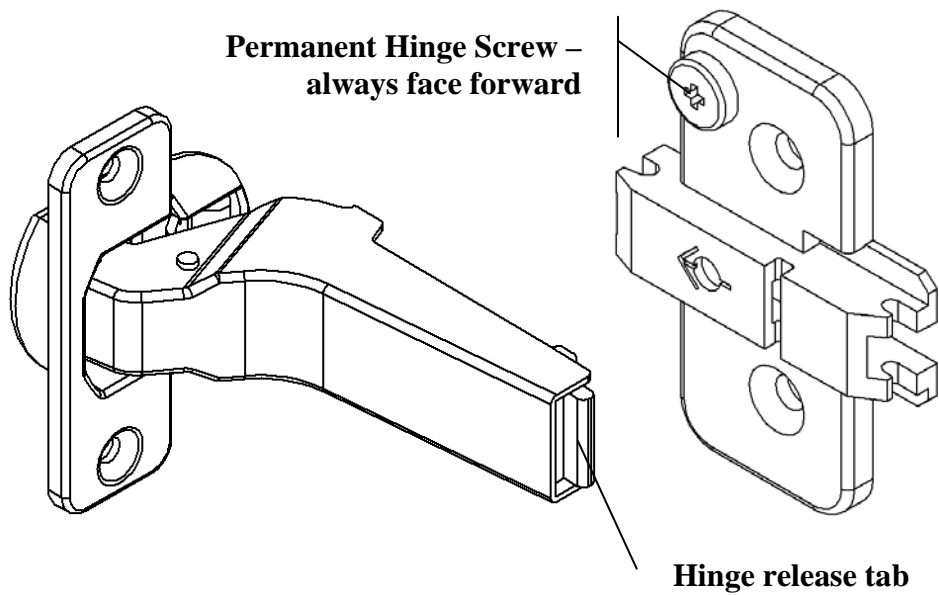
Tools Required:

- Interchangeable Lock Core (IC) removal key and instructions
- Phillips Head Screwdriver or Drill with Phillips head bit
- 3/16" Allen wrench
- 1/2" Socket

Steps

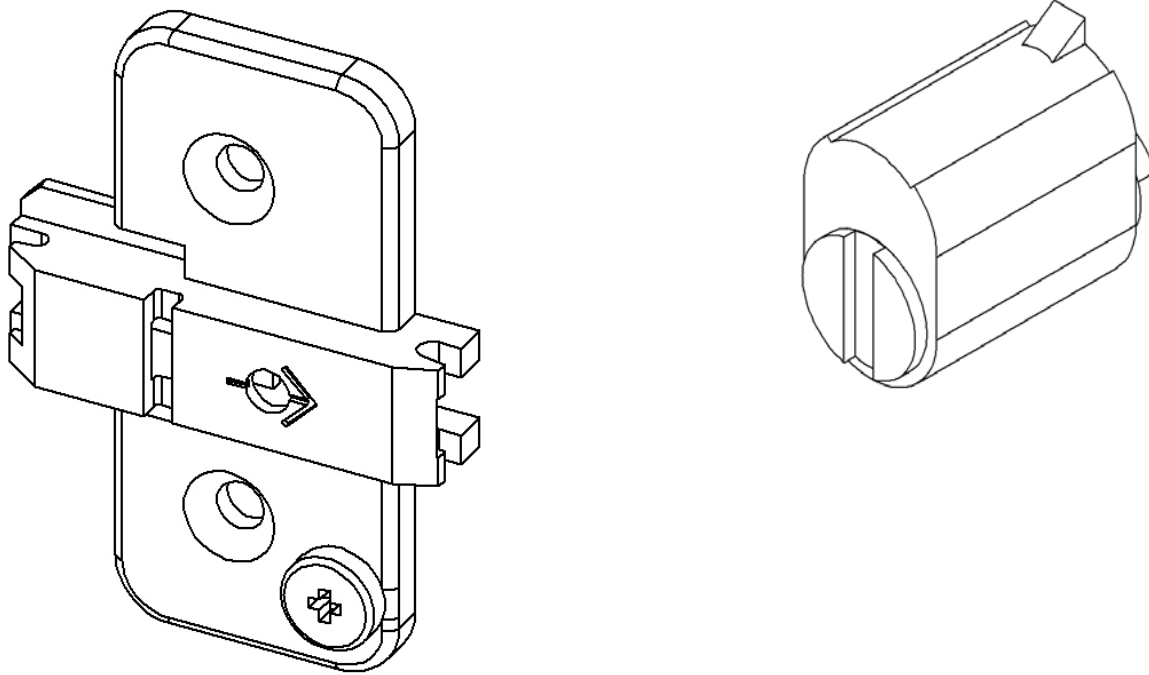
1. Completely open existing door (unlock if necessary)
2. Unclip door hinges by pressing the release tab at the rear of the hinge clip as shown in Figure 7 (make sure to hold onto door as it will release with clips)

Figure 7 – Hinge Unclipped Parts: Clip and Mounting Plate



3. Remove IC core from lock cylinder using Interchangeable Lock (IC) core removal key, by following core removal instructions, and set aside to be re-used (See Figure 8)
4. Discard old door and clip part of hinge only, the hinge mounting plates will be re-used (the old door will not be re-used)
5. Remove hinge mounting plates (part of hinge) and keep as the plates will be re-used (the screws will not – See Figure 8)

Figure 8 – Hinge Mounting Plate and IC Lock Core both parts to be re-used



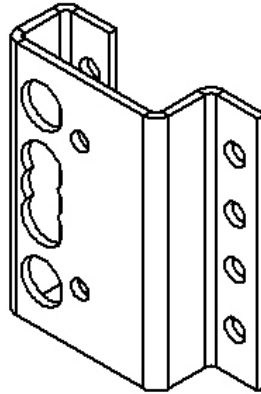
Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



6. Remove galvanized hinge mounting brackets (mounts hinge mounting plate to post) and discard along with screws (See Figure 7)
7. Remove rubber door stops and lock catch plate, from opposite post, and discard along with screws (See Figure 9)
8. Remove Floor Anchor/Spacer Plate (if existing) and discard

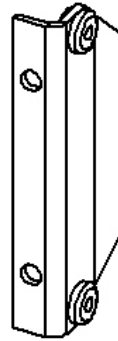
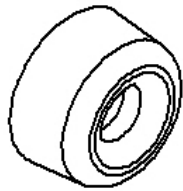
Figure 9 - Old Flush Door parts to discard

Galvanized Hinge Mounting Bracket



Galvanized Lock Catch Plate

Black Rubber Door Stop



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Install Retrofit Floor Anchor/Spacer Plate:

Note: This section applies only for Cart Garage Cabinets. Cart Garage Frames do not accept the Retrofit Floor Anchor/Spacer Plate. If you are retrofitting a Cart Garage Frame skip to the next section “Install Retrofit Flush Door:”

Tools Required:

- 3/16” Allen wrench
- 5/16-18 x 5/8” button head socket cap screw (included with retrofit kit)

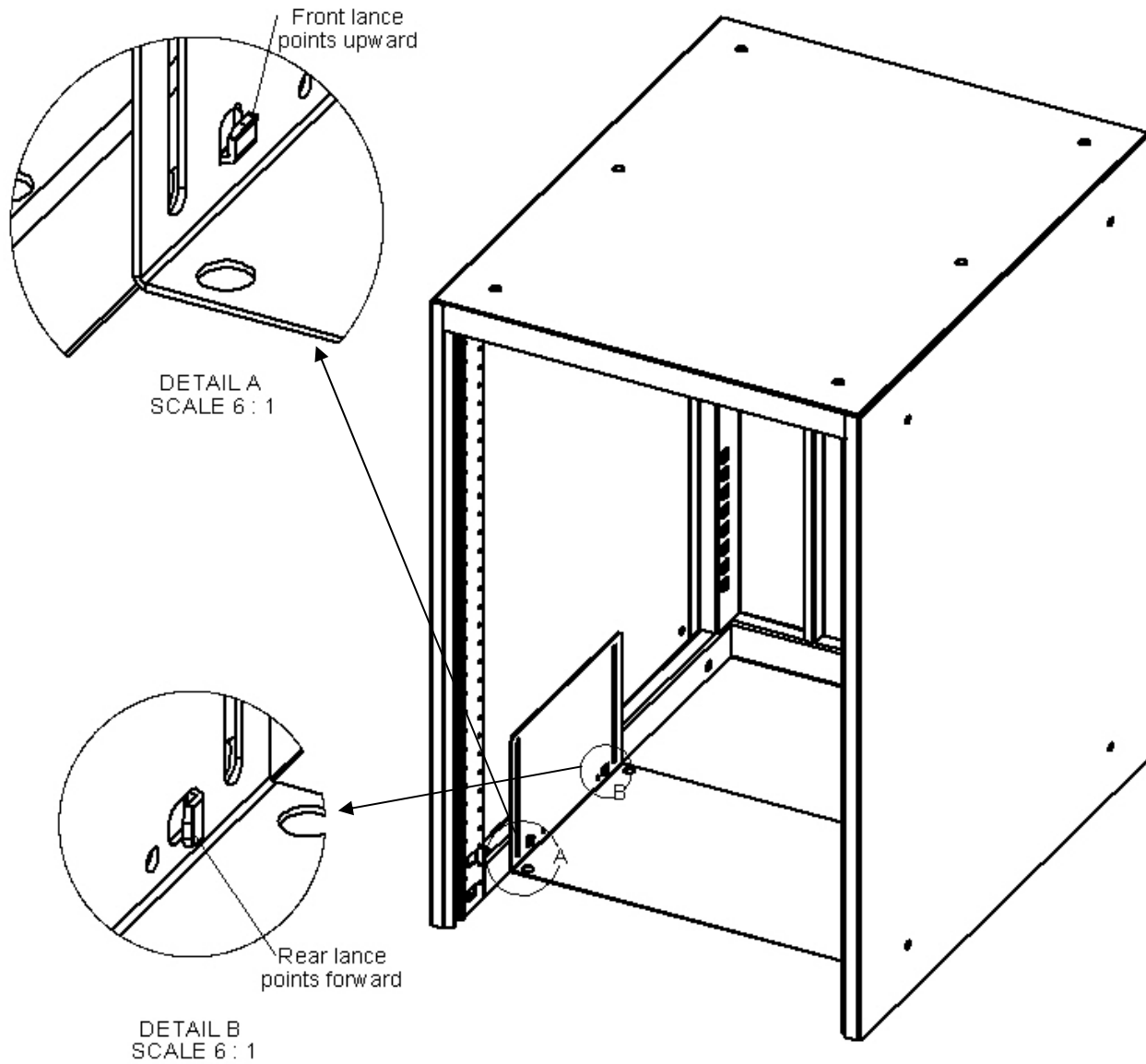
Steps

1. Locate Retrofit Floor Anchor/Spacer Plate inside bottom of Cart Garage Cabinet and orient as shown, in Figure 10, with front set of lances pointing up and rear set of lances pointing forward
2. Make sure Floor Anchor/Spacer Plate rests completely on floor
3. Align tall obround cutouts in Plate with inserts in the bottom frame of the Garage Cabinet
4. Loosely bolt Plate to Garage using (4) included 5/16-18 x 5/8” button head socket cap screws
5. Check again that Plate rests completely on floor then fully tighten all (4) screws

Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Figure 10 – Retrofit Floor Anchor/Spacer Plate Orientation (Generation 3 Cabinet shown)



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Install Caster Guides:

Note: This section applies only for Cart Garage Cabinets. Cart Garage Frames do not accept the Caster Guides. If you are retrofitting a Cart Garage Frame skip to the next section “Install Retrofit Flush Door:”

Tools Required:

- Rubber mallet

Steps

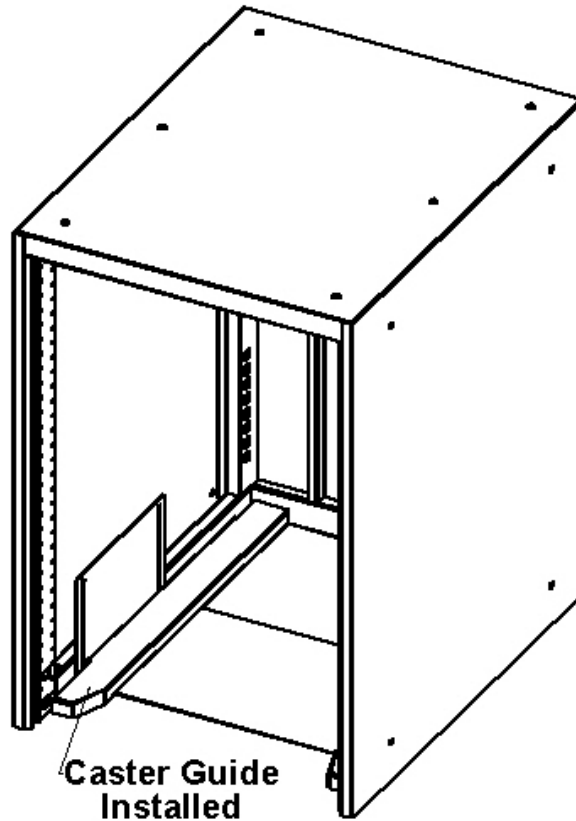
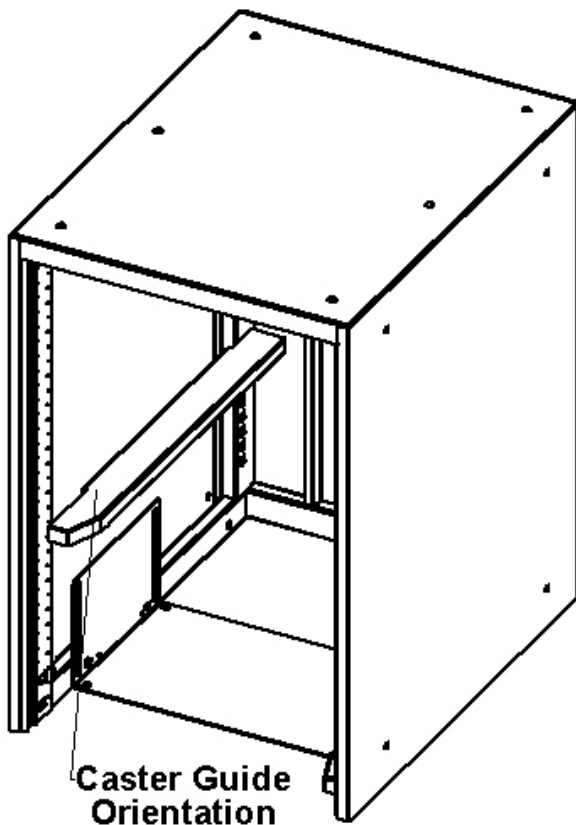
1. Locate Caster Guides in bottom of Floor Anchor/Spacer Plate as shown in Figure 11 with angle bend facing forward. One on left side and the other on the right.
2. Guides secure into lances in sides of Plate. Use a rubber mallet to completely secure Guides into Floor Anchor Plate as needed.
3. Make sure both Caster Guides rest completely on the bottom of the Floor Anchor/Spacer Plate

Note: Caster Guides are to only be used in conjunction with a NS Mobile Cart. If you are storing a different item inside the Cart Garage then do not install the Caster Guides as they are designed to accept the caster width of the NS Mobile Cart only.

Figure 11 – Orientation of Caster Guides

Caster Guide Exploded

Caster Guide Assembled



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Install Retrofit Flush Door:

Tools Required:

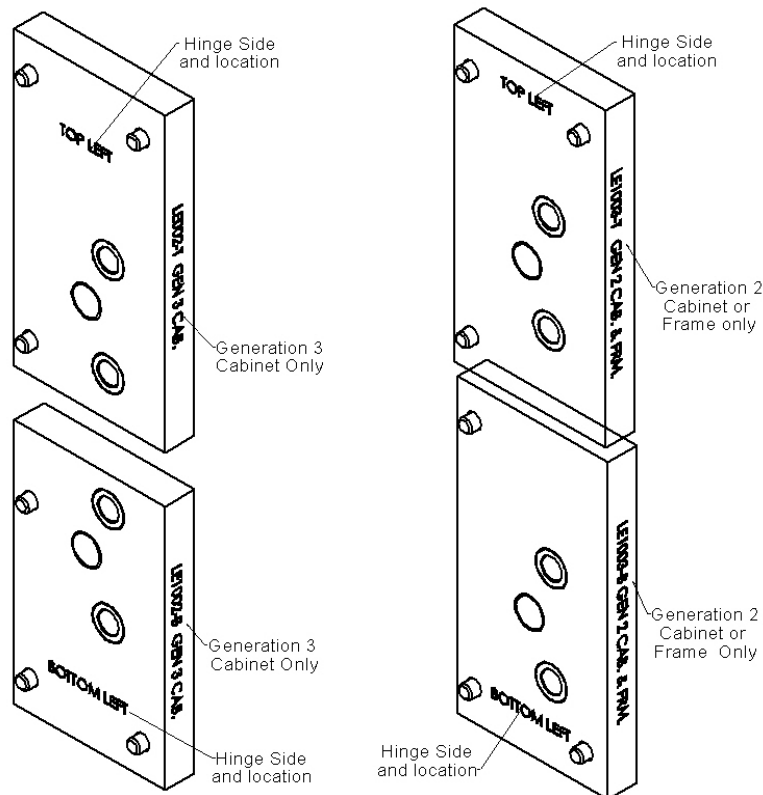
- Generation 2 and 3 drill templates (included with retrofit kit)
- Center punch
- Drill and #42 drill bit (included with retrofit kit)
- Safety glasses
- Phillips head screwdriver or drill with Phillips head bit

Steps

1. Make sure you determined which Generation Cabinet or Frame you have as the drill fixtures are marked accordingly
2. Decide which side, left or right, you want Flush Door hinges to be mounted
3. Locate appropriate generation top drill template on post where top hinge is to be located (see Figures 13 through 15) to see exactly where to locate drill fixture (ex. for left hinged door locate top drill fixture on top of left post as shown in Figures 13 – 15 with the words TOP LEFT in drill fixture visible. For right hinged door locate top drill fixture on top of right post with the words TOP RIGHT in drill fixture visible. Refer to Figures 13 – 15 for height location of drill fixture.
4. Center punch both holes
5. Repeat steps 2 and 3 with appropriate generation bottom hinge drill fixture
6. Carefully drill all center punched holes through post using included #42 drill bit

Note: You should drill hinge holes on both posts so there is the option, in the future, to mount the Flush Door as left or right hinged.

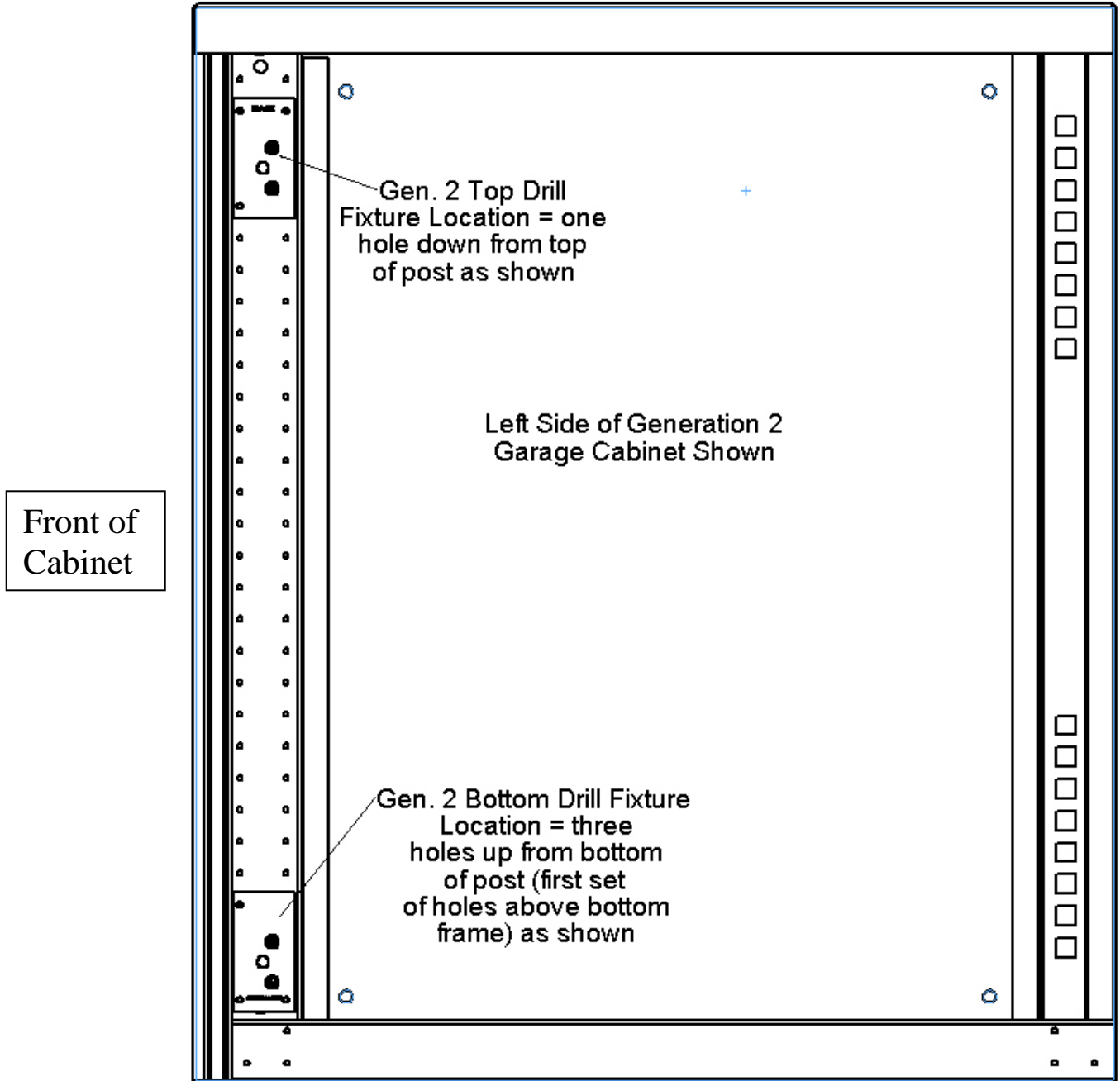
Figure 12 – Generation 2 and 3 Drill Fixtures



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



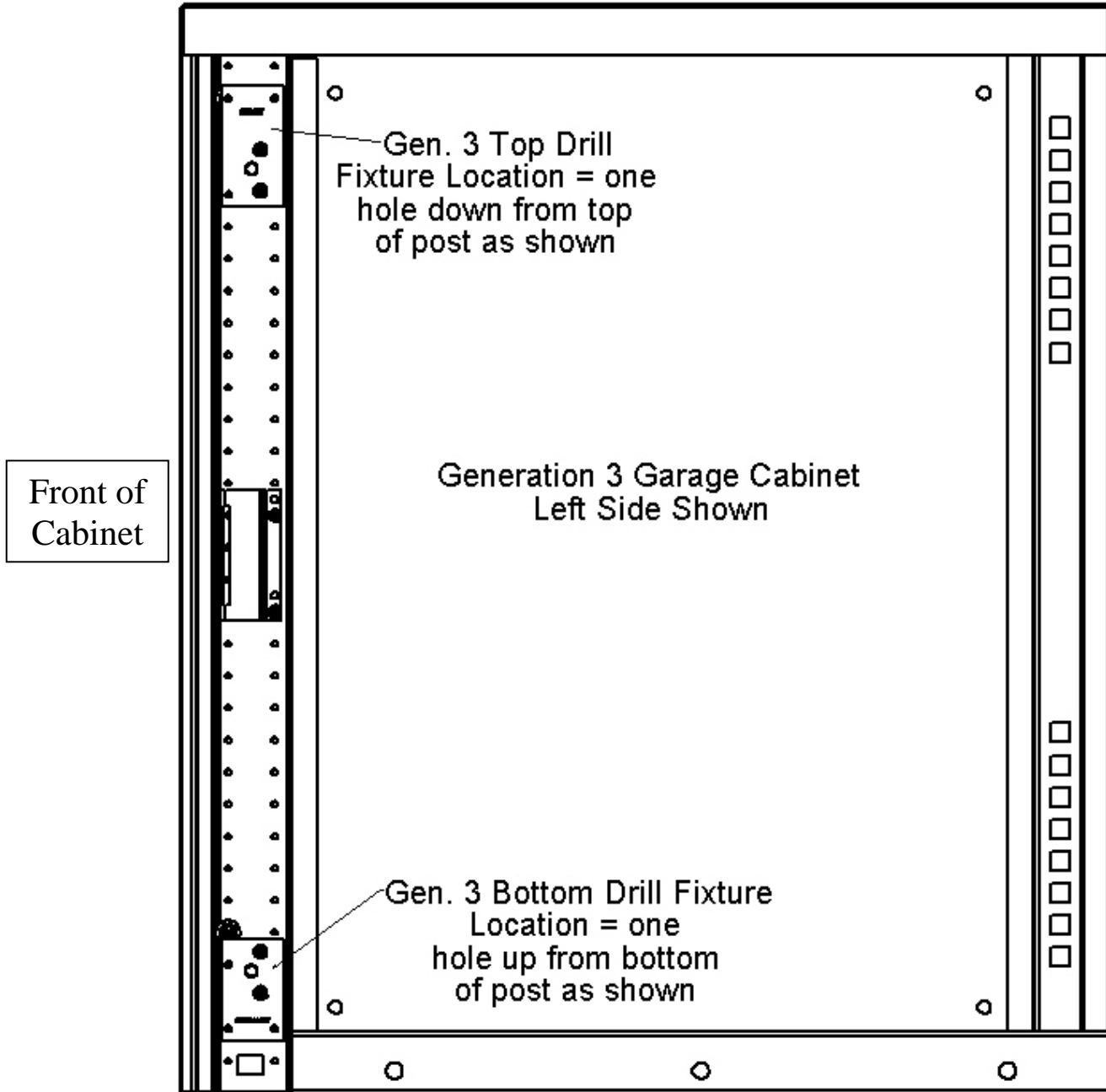
Figure 13 – Location of Gen. 2 Top and Bottom Drill Fixtures on Gen. 2 Cart Garage Cabinet Post



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



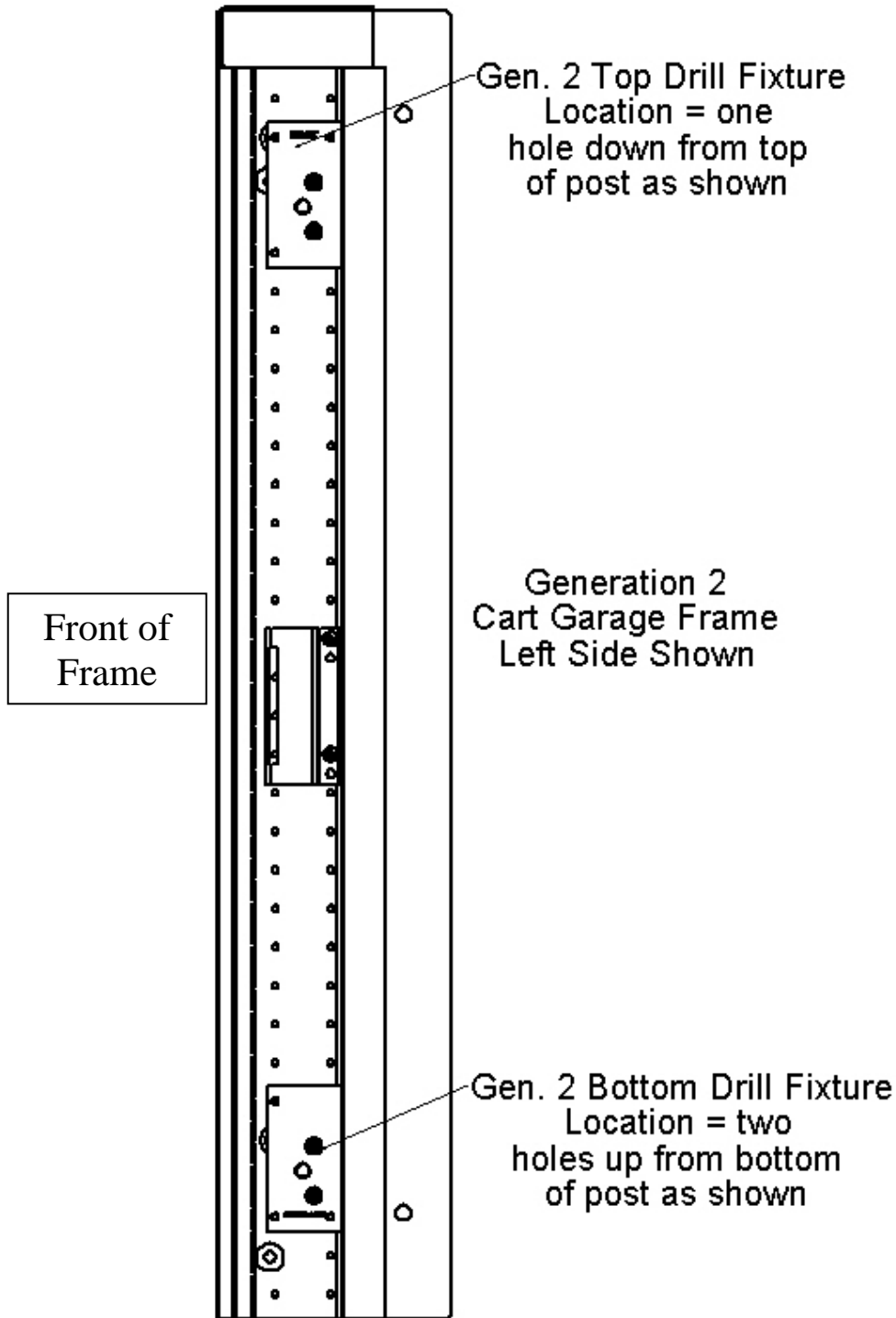
Figure 14 - Location of Gen 3. Top and Bottom Drill Fixtures on Gen. 3 Cart Garage Cabinet Post



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Figure 15 - Location of Gen. 2 Top and Bottom Drill Fixtures on Gen. 2 Cart Garage Frame Post (Left Post Shown)

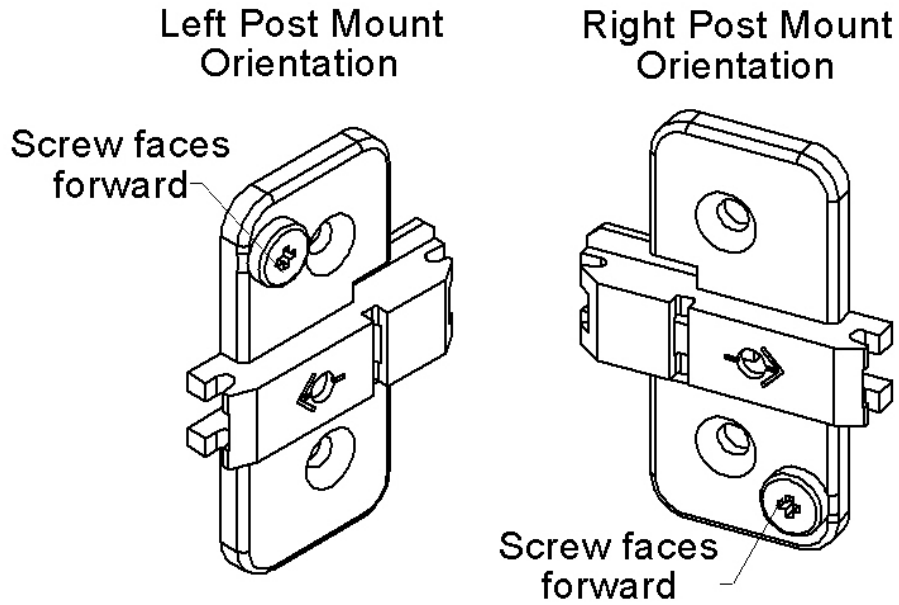


Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



7. Orient Hinge Mounting Plates (re-used part) as shown in Figure 16, so height adjustment screw faces forward, and screw to holes just drilled in post using (2) included #6-32 x 3/8" Phillips pan head sheet metal screws per Hinge Mounting Plate
Note: Do not fully tighten screws on one of the Hinge Mounting Plates as this will make it easier to clip the door onto them.

Figure 16 – Re-used Hinge Mounting Plate Orientation on Post

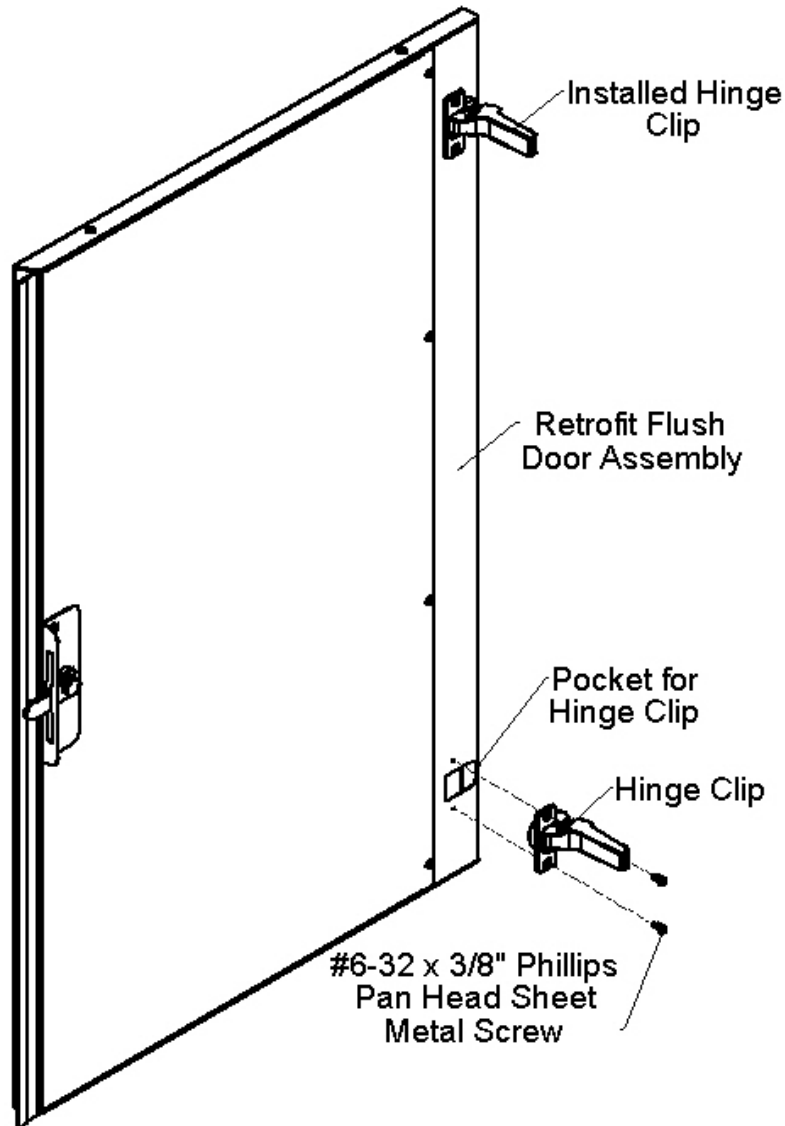


Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



8. Install IC Lock Core into lock cylinder in door following Lock Core instructions
9. Insert included Hinge Clips into Flush Door pockets as shown in Figure 17 and screw to door using (2) included #6-32 x 3/8" Phillips pan head sheet metal screws per Hinge Clip

Figure 17 – Installing Hinge Clip into Retrofit Flush Door




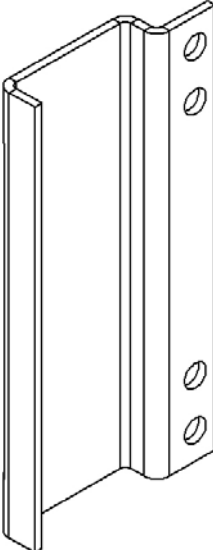
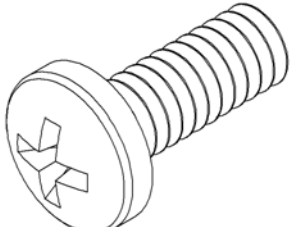
Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Installing Door Stops and Lock Catch:

Tools Required:

- Phillips head screwdriver

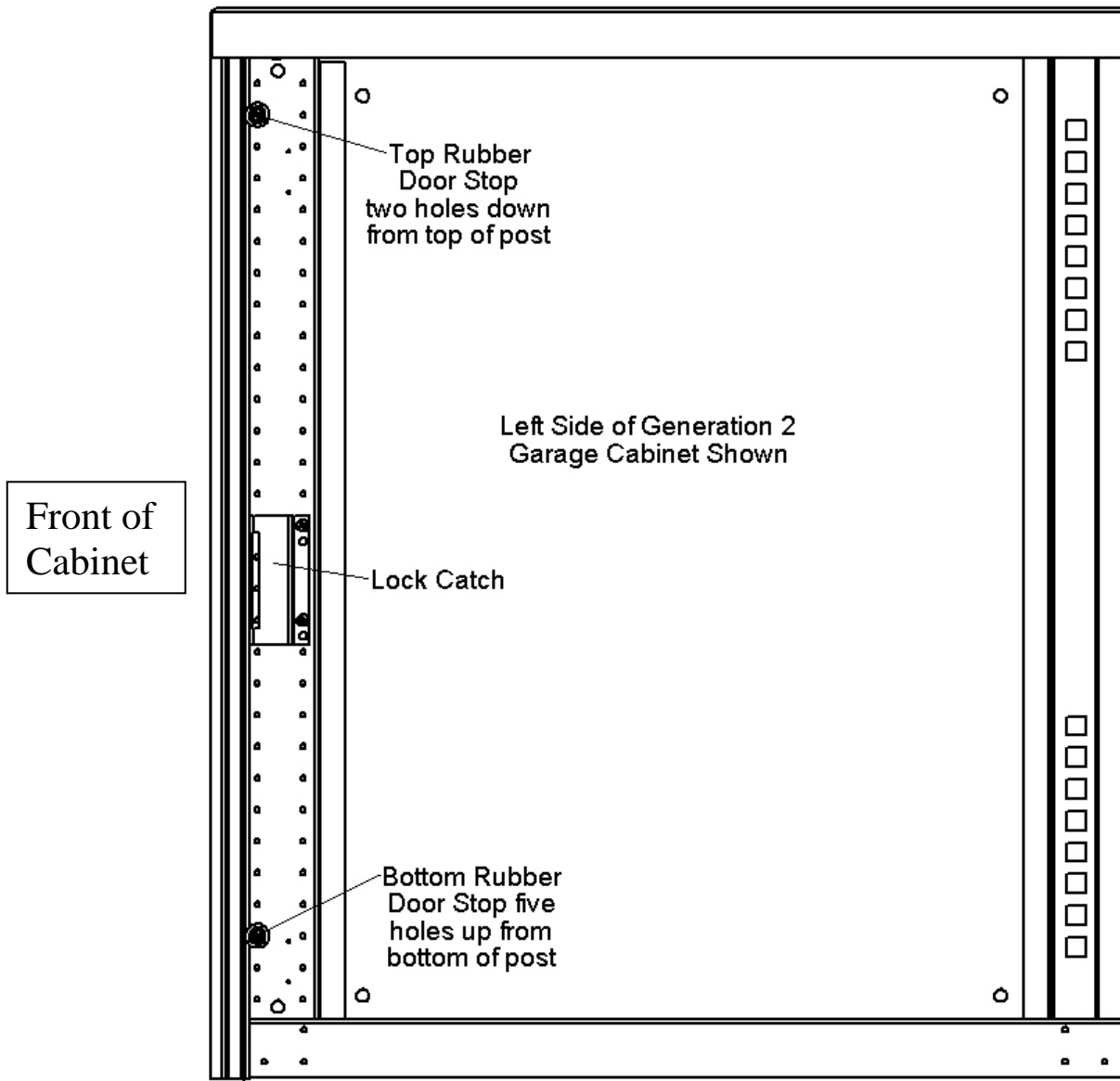
Item	Description	Qty.	Picture
1	Black Rubber Door Stop	2	
2	Door Lock Catch	1	
4	#10-24 x 1/2" Phillips Taptite Pan Head Screw	4	

Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



1. Locate and screw (1) included black rubber bumper into second hole down from the top of the post, opposite hinge side, in the front column of holes using (1) included #10-24 x 1/2" Phillips Taptite pan head screw (be cautious not to over tighten screw as it can rip through the bumper) – See Figures 18 - 20
2. Repeat step 1 for the lower bumper except locate it five holes up from the bottom also in the front column of holes – See Figures 18 – 20 OR align lower bumper at the same height of the Mobile Cart bottom shelf
3. Locate and screw Lock Catch Plate as shown in Figures 18 - 20 using (2) included #10-24 x 1/2" Phillips Taptite pan head screws

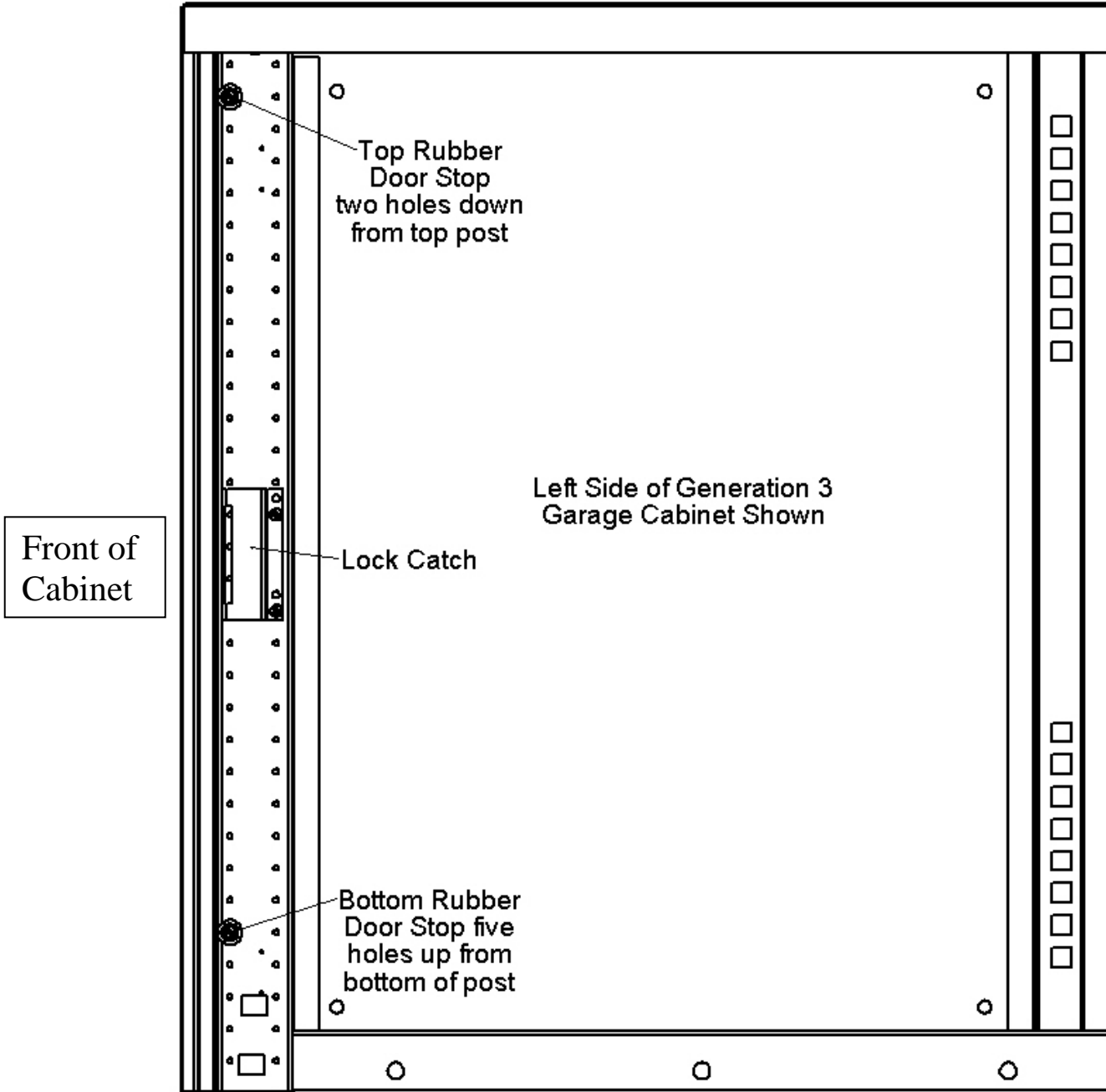
Figure 18 – Generation 2 Garage Cabinet Installing Rubber Stop Bumpers and Lock Catch Plate



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



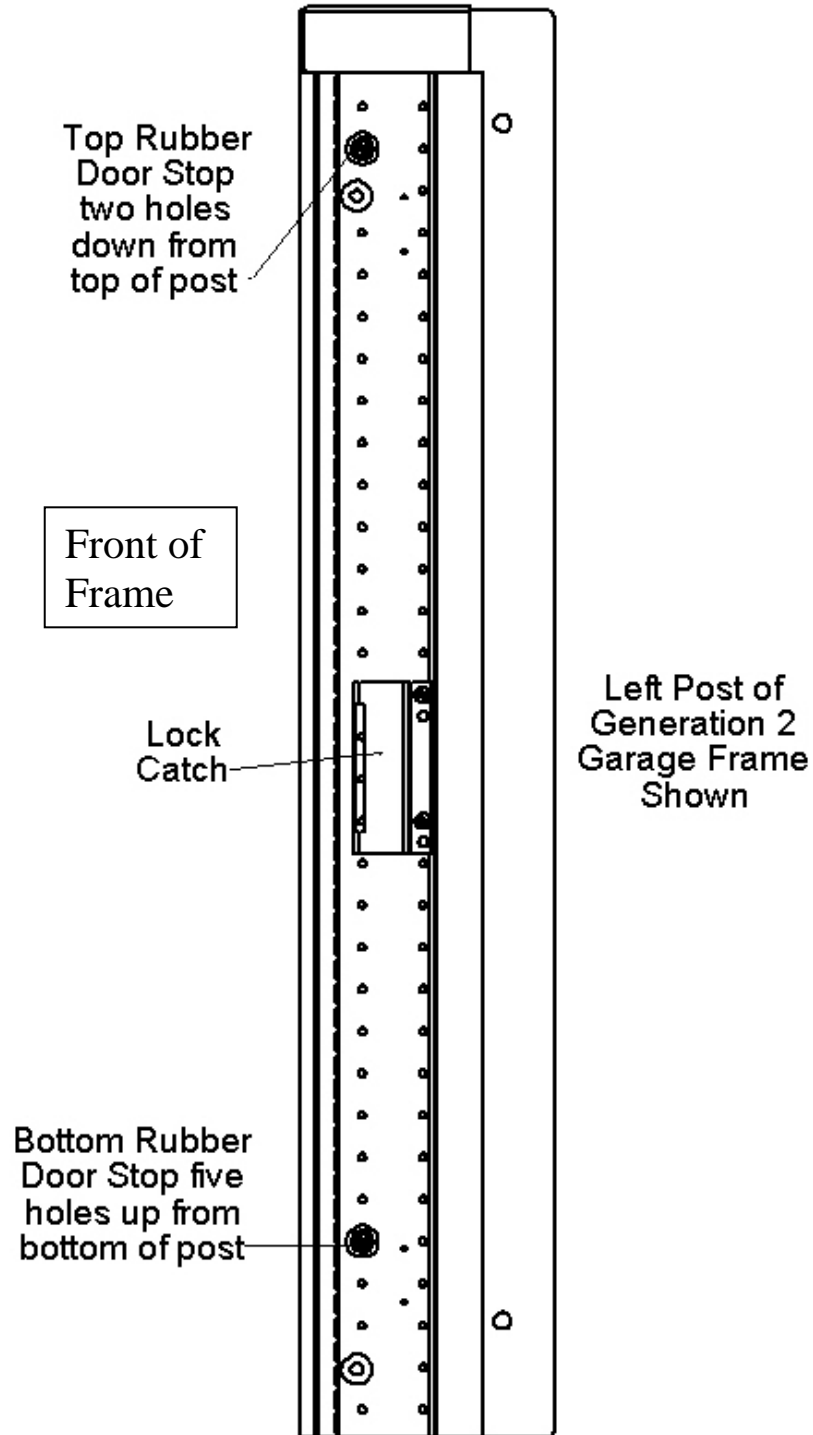
Figure 19 – Generation 3 Garage Cabinet Installing Rubber Stop Bumpers and Lock Catch Plate



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



Figure 18 – Generation 2 Garage Frame Installing Rubber Stop Bumpers and Lock Catch Plate



Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



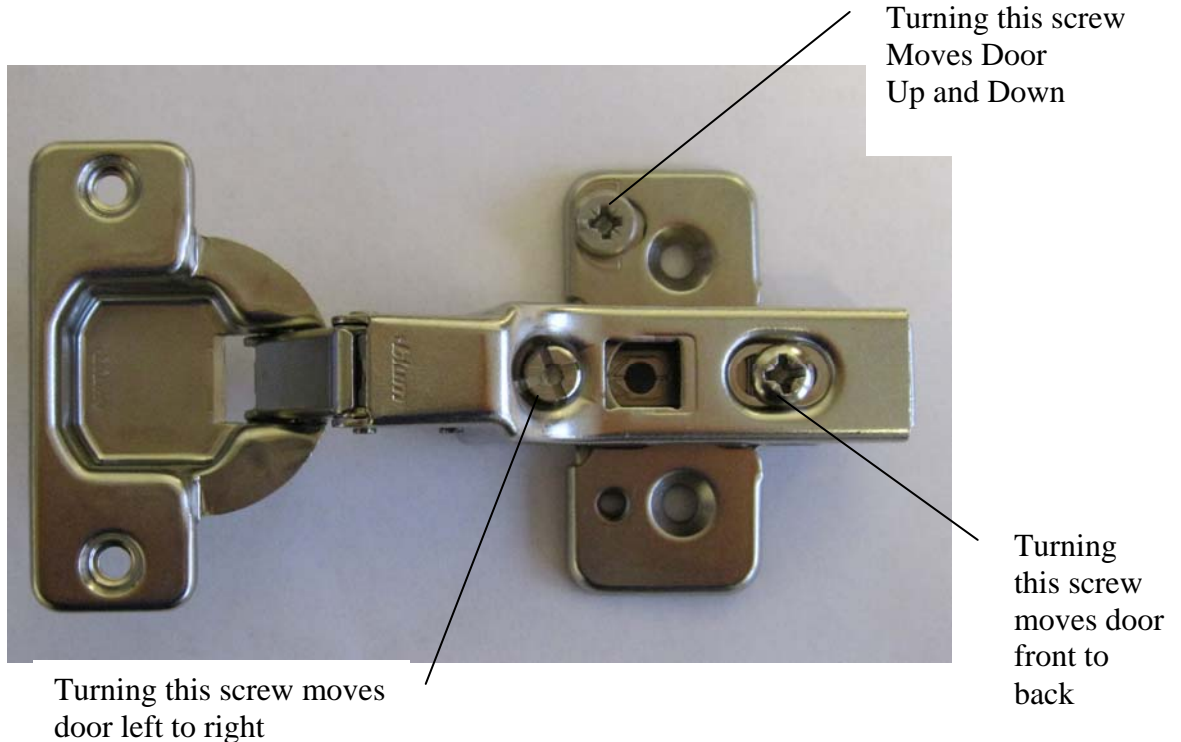
Flush Door Install and Adjustment

1. Attach Flush Door to Garage by clipping door hinges onto hinge mounting plates
2. Fully tighten Hinge Mounting Plate that was purposely left loose
3. Close door and adjust as door height, left top right and front to back as needed following hinge adjustment instructions. See Door Hinge Adjustment below

Door Alignment Hinge Adjustment (moving Door Left to Right, Up and Down and Front to Back)

Tools Required:

- Phillips head screwdriver



Turning the individual screws located on each Hinge clockwise or counterclockwise will move the door left to right, front to back or up and down (see image).

4. Your retrofit is complete

Automotive Cart Garage Cabinet and Frame Flush Door Retrofit Instructions



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These instructions and other assembly instructions may be found on Lista International Corporation's web site, <http://www.listaintl.com>. For questions or Technical Support, please call 1-800-722-3020

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