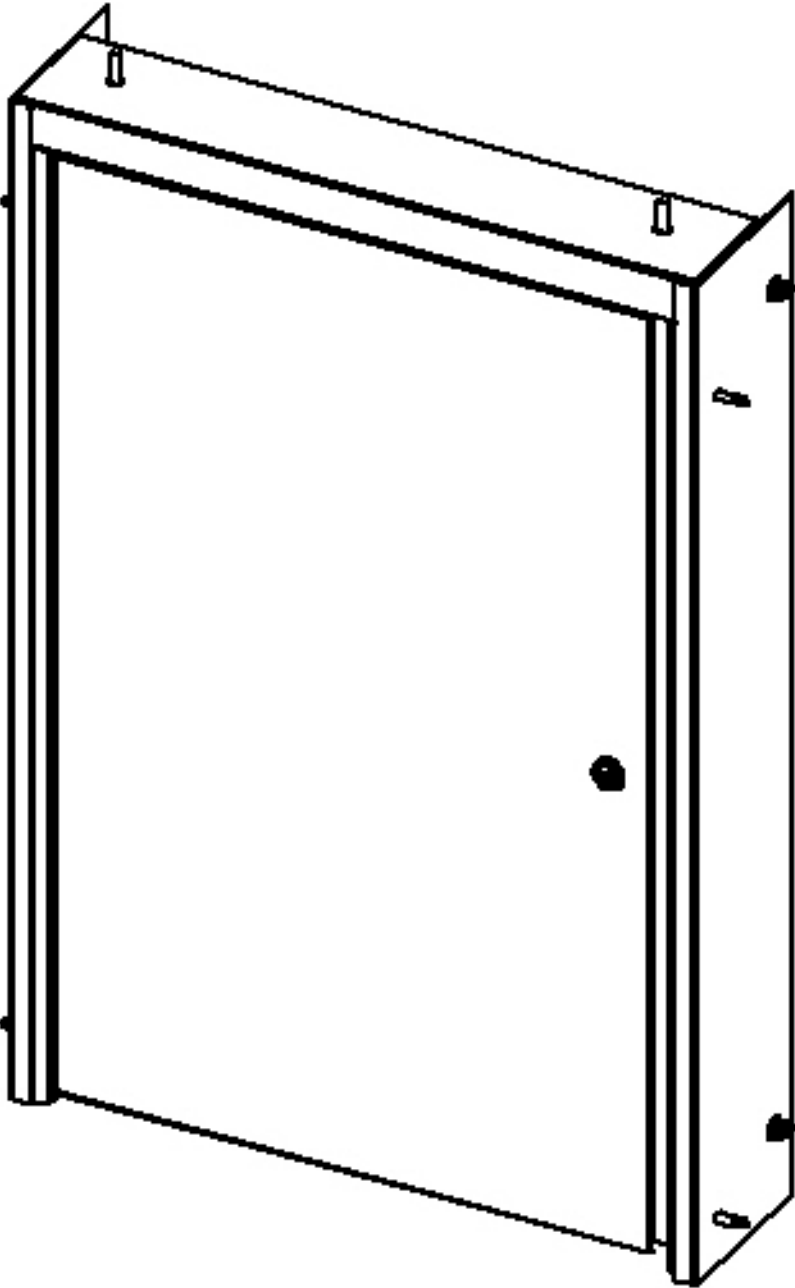


# Installing the Cart Garage Frame and Flush Door



# Installing the Cart Garage Frame and Flush Door



## **General Information:**

The following provides step-by-step instructions for assembling and installing the Automotive Cart Garage Frame and Door under a work surface. The finished assembly will consist of the following:

Frame Weldment, Door outer panel, door inner panel, hinges, hinge mounting brackets, hinge guards, door stops and mounting hardware

When received, door assembly and installation will be required for the Cart Garage Frame.

## **Before Installation:**

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

When installing the Automotive Cart Garage Frame and Door it is important to follow the same sequence as described in this manual.

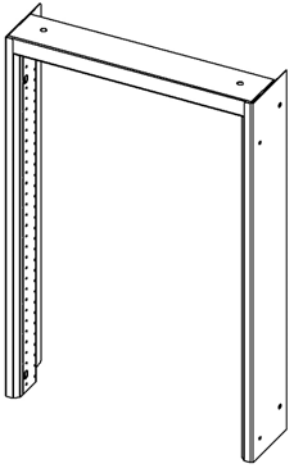
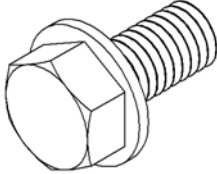

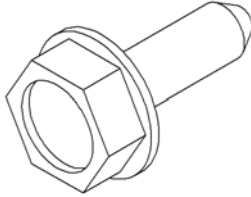
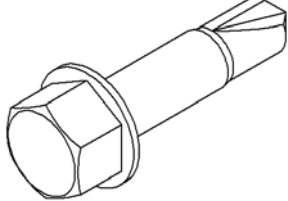
# Installing the Cart Garage Frame and Flush Door



## Frame Weldment Installation

### Tools Required:

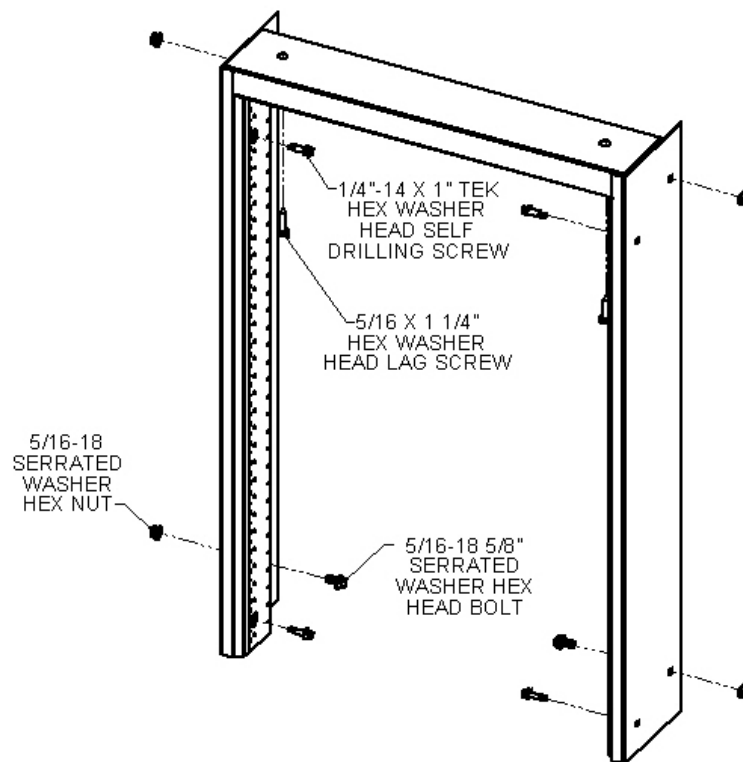
- Drill and 13/64 (0.203") drill bit
- Safety glasses
- 3/8" and 1/2" sockets, open end or adjustable wrenches

Item	Description	Qty.	Picture
1	Cart Garage Frame Weldment	1	
2	5/16-18 x 5/8" Serrated Washer Head Hex Bolt	4	
3	5/16-18 Serrated Washer Head Hex Nut	4	
4	5/16 x 1 1/4" Hex Washer Head Lag Screw	2	
5	1/4"-14 x 1" Tek Hex Washer Head Self Drilling Screw	4	

# Installing the Cart Garage Frame and Flush Door



Figure 1



## Frame Weldment Installation:

1. Locate Garage Frame under worksurface, between Universal Cabinets, and flush to front of both cabinets
2. Loosely bolt Garage Frame to both adjacent cabinets through rear holes in post on top and bottom using (4) included 5/16-18 x 5/8" serrated washer hex head bolts and (4) included 5/16-18 serrated washer hex nuts with 1/2" socket
3. Mark bottom of work surface through (2) holes in Frame top cover, center punch and drill both holes 3/4" deep using a 13/64 (0.203") drill bit (safety glasses must be worn when drilling)
4. Secure top of Frame to bottom of work surface using (2) included 5/16 x 1 1/4" hex washer head lag screws with 1/2" socket
5. Fully tighten all (4) nuts and bolts installed in Step 2 with 1/2" socket
6. Screw (4) included 1/4"- 14 x 1" Tek hex washer head self drilling screws into both adjacent cabinets through front holes in left and right posts on top and bottom with 3/8" socket (these are self drilling bolts and do not require a pilot hole)

## Notes:

- Cart Garage Frame must be mounted between (2) Universal Cabinets and can not be a stand alone or end of a run unit
- Adjacent cabinets must be mounted prior to Garage Frame
- Frame must be bolted to bottom of work surface and both adjacent cabinets

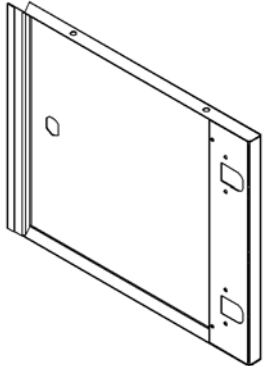
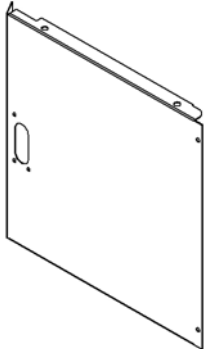
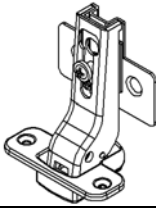
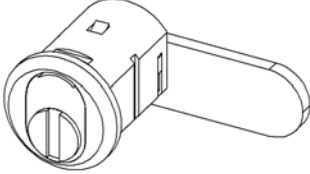
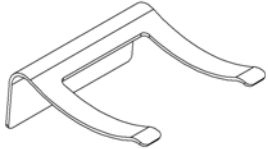
# Installing the Cart Garage Frame and Flush Door



## Door Assembly:

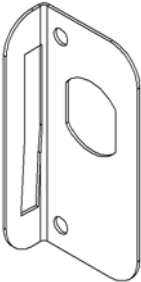

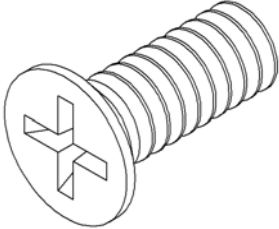
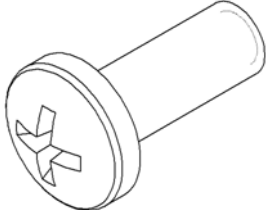
### Tools Required:

- Phillips head screwdriver

Item	Description	Qty.	Picture
1	Door Outer Panel	1	
2	Door Inner Panel	1	
3	Door Hinge	2 or 3 (depends on door height)	
4	Interchangeable Core (IC) Lock with Cam	1	
5	Lock Spring Clip	1	

# Installing the Cart Garage Frame and Flush Door

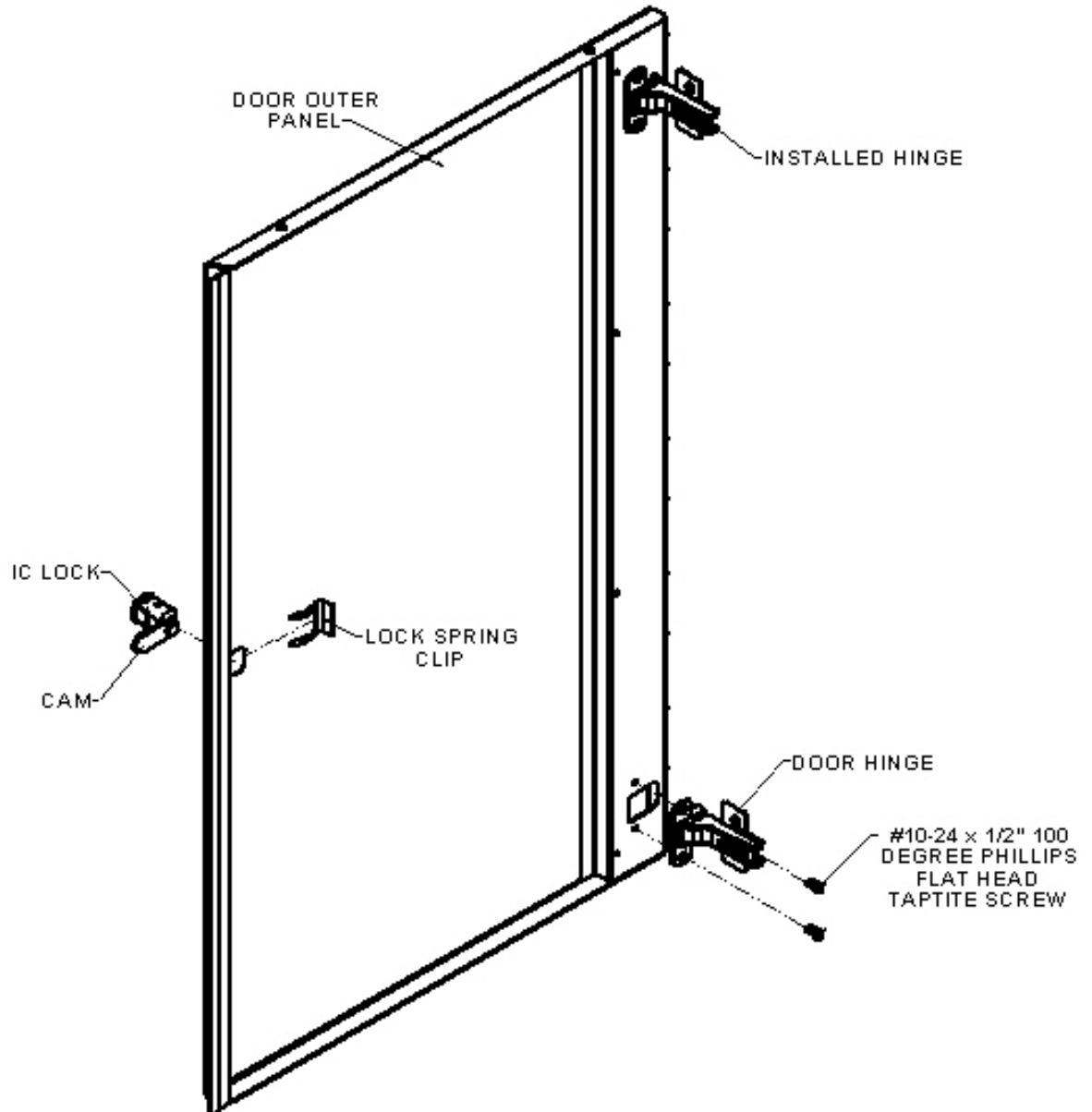


6	Lock Cam Plate	1	
7	Lock Cam Cover Plate	1 (used with no lock option)	
8	#10-24 x 1/2" 100 Degree Phillips Taptite Flat Head Screw	As required	
9	#10-24 x 1/2" Phillips Taptite Pan Head Screw	As required	

# Installing the Cart Garage Frame and Flush Door



Figure 2

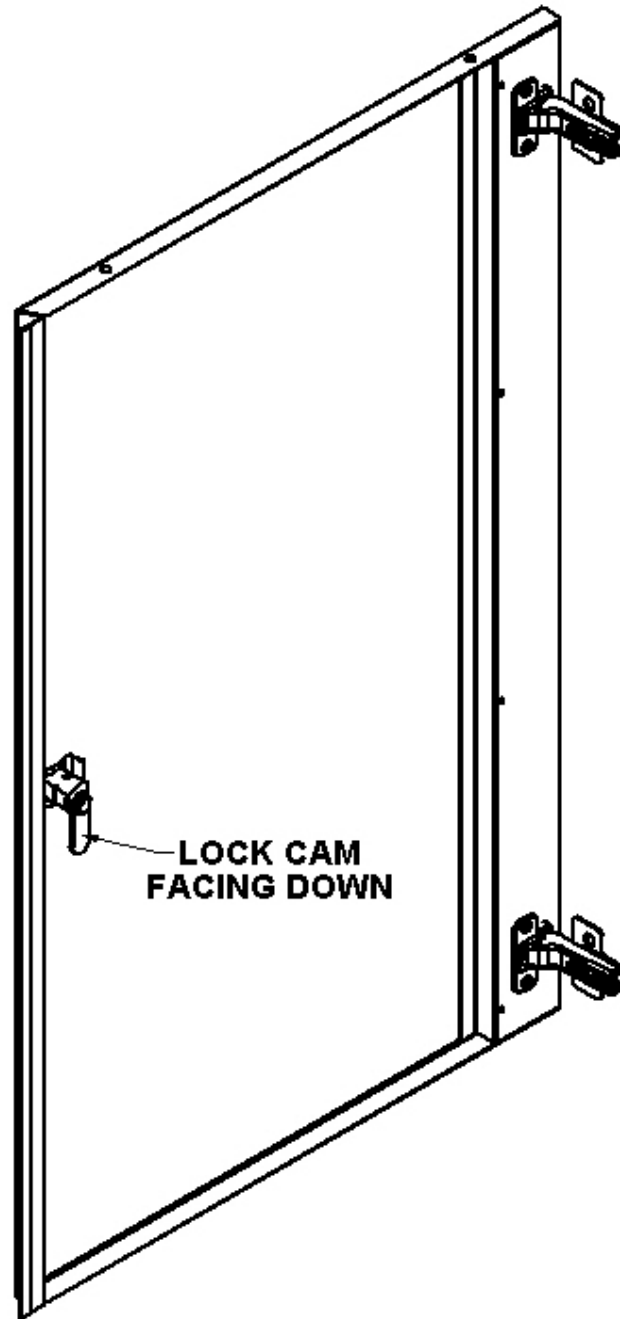


## Door Assembly:

1. Screw Door Hinges to hinge cutouts on back side of Outer Door Panel using (2) included #10-24 x 1/2" 100 degree Phillips Flat Head Taptite Screws per hinge as shown in Figure 2
2. Insert IC Lock with Cam through double-D cutout in front of door located on opposite side of door from hinges  
Note: Use key to make sure that when lock is turned the cam sticks out from end of door as shown in Figure 2. If cam faces towards hinges, remove lock, flip lock 180 degrees and re-check position of lock cam.
3. Slide Lock Spring Clip around lock, used to hold lock in place, make sure Clip is completely pushed onto Lock (orient Spring Clip as shown)

## Installing the Cart Garage Frame and Flush Door

Figure 3



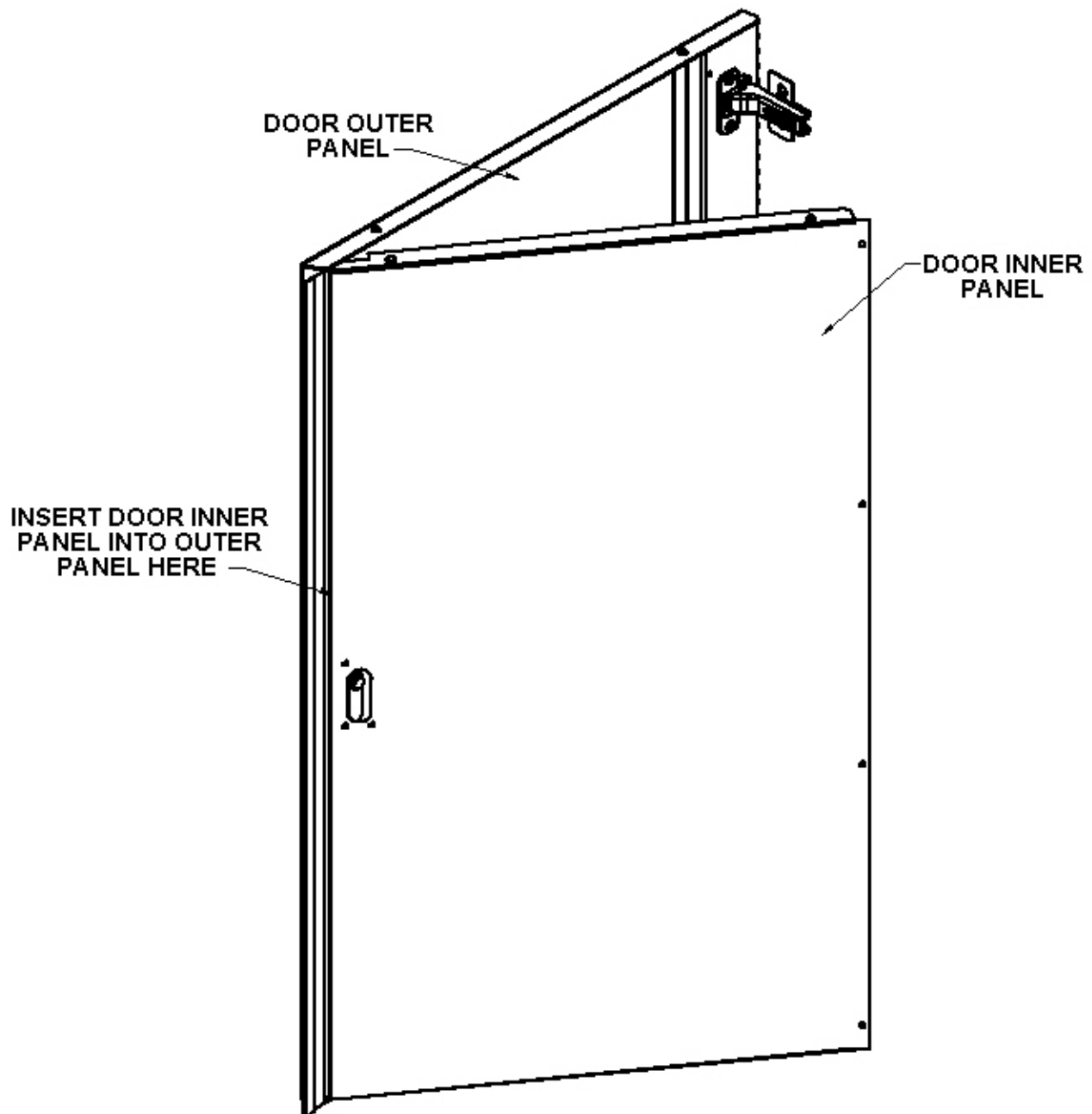
4. Use key to turn lock cam so it faces down, parallel to the door handle, as shown in Figure 3



# Installing the Cart Garage Frame and Flush Door



Figure 4

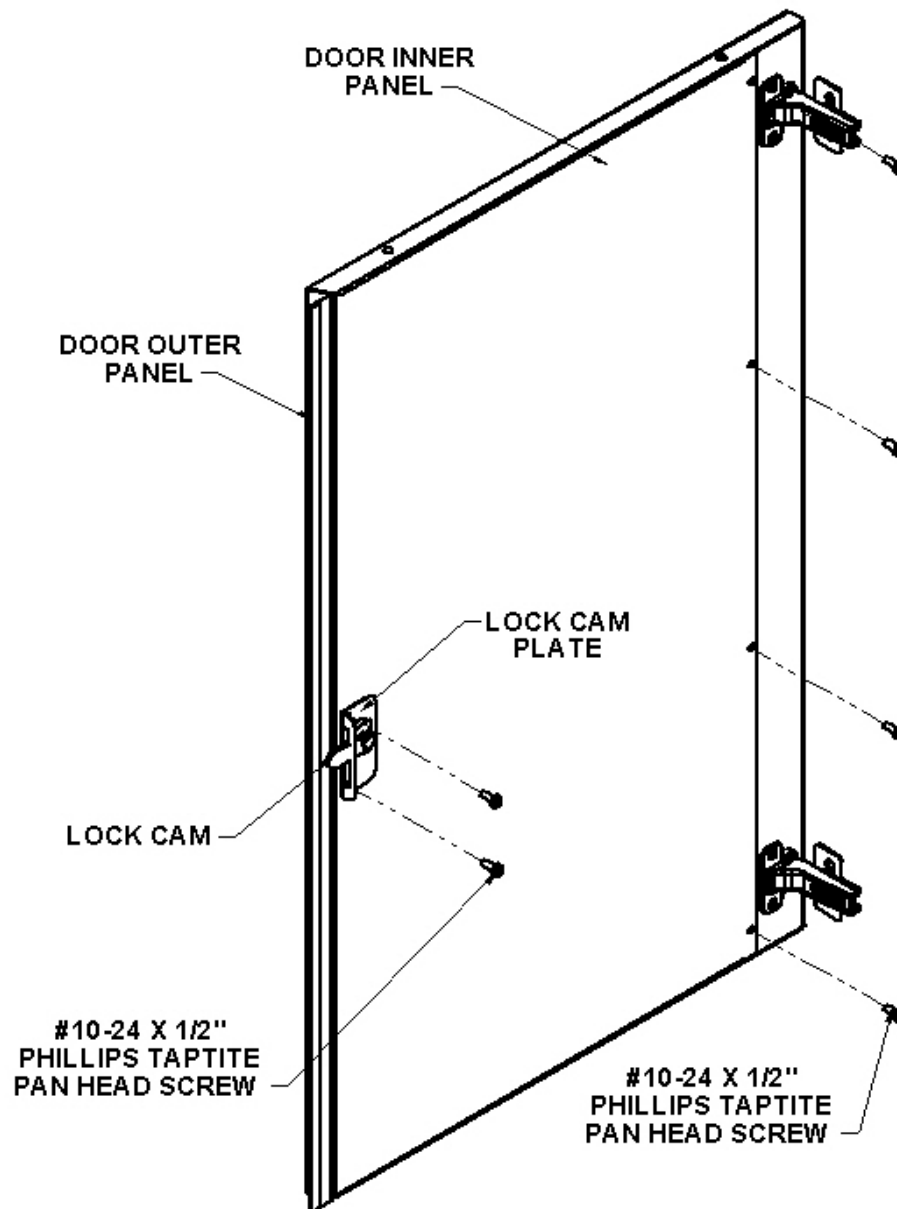


5. Insert angle bend on Door Inner Panel into angle bend on Lock Side of Door Outer Panel as shown in Figure 4
6. Slowly turn Door Inner Panel into Door Outer Panel – obround cutout in Inner Panel fits around downward facing lock cam (Inner Panel fits snug inside Outer Panel)

# Installing the Cart Garage Frame and Flush Door



Figure 5



7. Screw Door Inner Panel to Door Outer Panel on hinge side using (as required) included #10-24 x 1/2" Phillips Taptite Pan Head Screws
8. Use key to turn Lock Cam so it sticks out from face of door, perpendicular to the door handle, as shown in Fig 5
9. Slide Lock Cam Plate over Lock Cam (orient Lock Cam Plate as shown in Fig. 5)
10. Screw Lock Cam Plate to Door Inner Panel using (2) included #10-24 x 1/2" Phillips Taptite Pan Head Screws  
**Note:** If using no lock screw Lock Cam Cover Plate, in place of Lock Cam Plate, over obround hole in Door Inner Panel using (2) included #10-24 x 1/2" Phillips Taptite Pan Head Screws

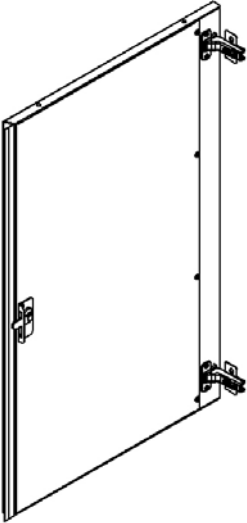
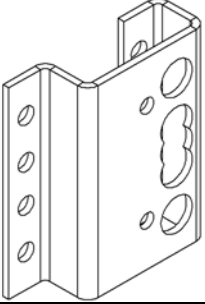
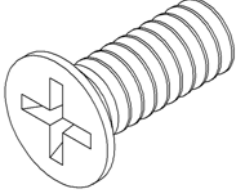
# Installing the Cart Garage Frame and Flush Door



## Door Installation:

### Tools Required:

- Phillips head screwdriver

Item	Description	Qty.	Picture
1	Door Assembly	1	
2	Hinge Mounting Spacer	2 or 3 (depends on door height)	
3	#10-24 x 1/2" 100 Degree Phillips Taptite Flat Head Screw	6 per hinge	

# Installing the Cart Garage Frame and Flush Door

Figure 6a – Left Hinged Shown

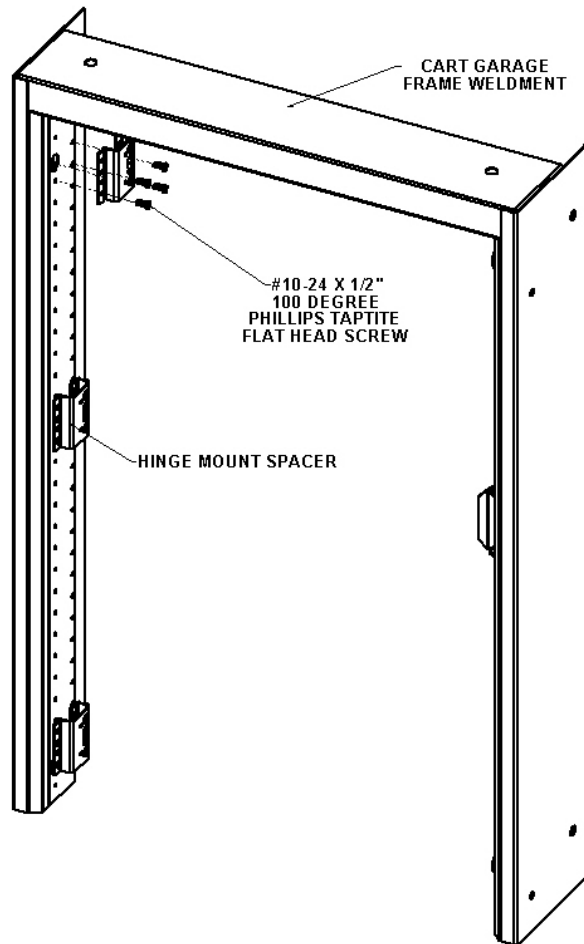
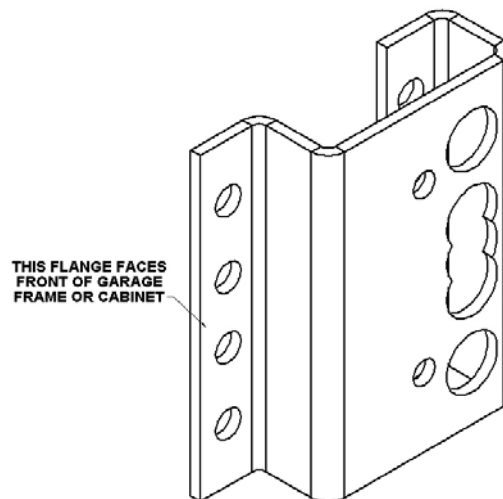


Figure 6b - Hinge Mount Spacer Orientation



# Installing the Cart Garage Frame and Flush Door



## Door Installation:

1. Determine side desired, left or right, for hinged side of Door (Door Assembly can be installed either left or right hinged)
2. Hold Door Assembly with hinges open and against the post that was determined to be hinged side from Step 1 (this step helps to locate the Hinge Mount Spacers on post)
3. Place a Hinge Mount Spacer under the top hinge orient as shown in Figures 6a and 6b
4. Remove Door and screw Door Hinge Mount Spacer into this location using (4) included #10-24 x 1/2" 100 degree Phillips Taptite Flat Head Screws
5. Repeat Steps 2 through 4 for bottom and middle (only on three hinged door) Hinge Mount Spacers
6. Unclip Hinge Mounting Plate from top and bottom door hinges, do not unclip from middle hinge (only on three hinged doors)
7. Screw Hinge Mounting Plates to top and bottom Hinge Mount Spacers using (2) included #10-24 x 1/2" 100 degree Phillips Taptite Flat Head Screws per hinge
8. Clip Door Assembly hinges to top and bottom Hinge Mounting Plates

If door has three hinges:

9. Open middle Hinge so its mounting plate rests on the installed middle Hinge Mount Spacer
10. Align holes in Hinge Mounting Plate with holes in Hinge Spacer by adjusting hinge mounting plate up and down and/or front to back using a Phillips Head Screwdriver (see hinge adjustment details below)
11. Screw Hinge Mounting Plate to Hinge Mount Spacers using (2) included #10-24 x 1/2" 100 degree Phillips Taptite Flat Head Screws

## Notes:

1. Door used for Cart Garage Frame is the same door used on the Cart Garage Cabinet

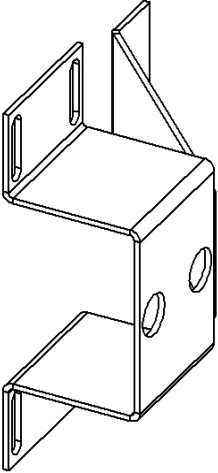
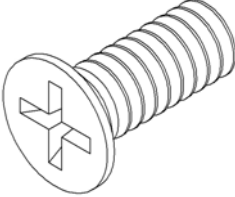
# Installing the Cart Garage Frame and Flush Door



## Door Hinge Guard Assembly

### Tools Required:

- Phillips head screwdriver

Item	Description	Qty.	Picture
1	Hinge Guard	1 per hinge	
2	#10-24 x 1/2" 100 Degree Phillips Taptite Flat Head Screw	4 per hinge guard	

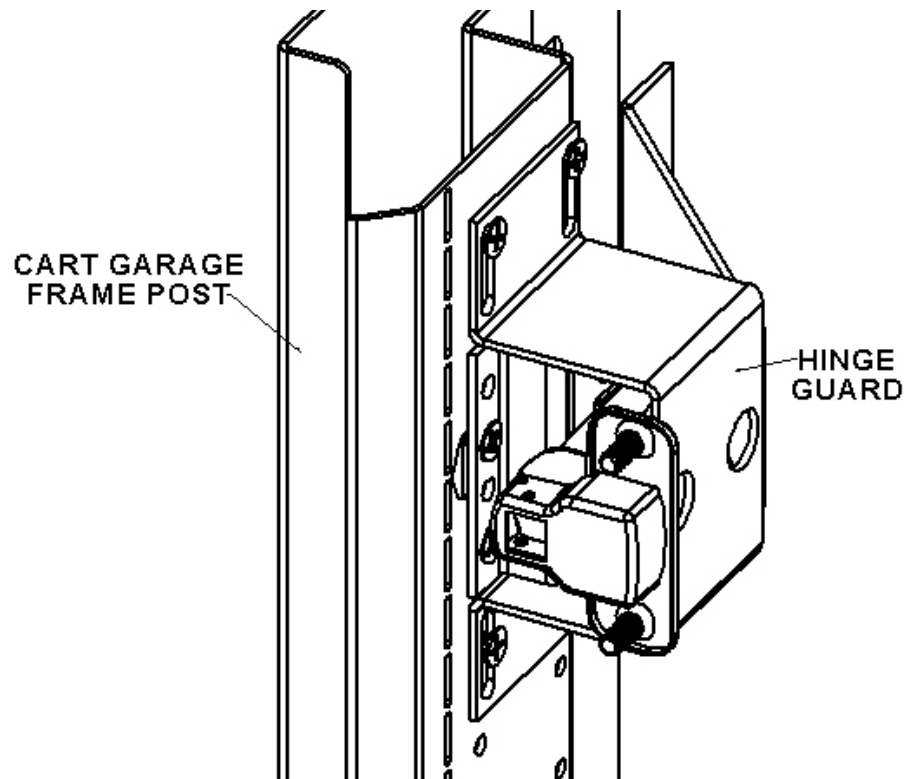
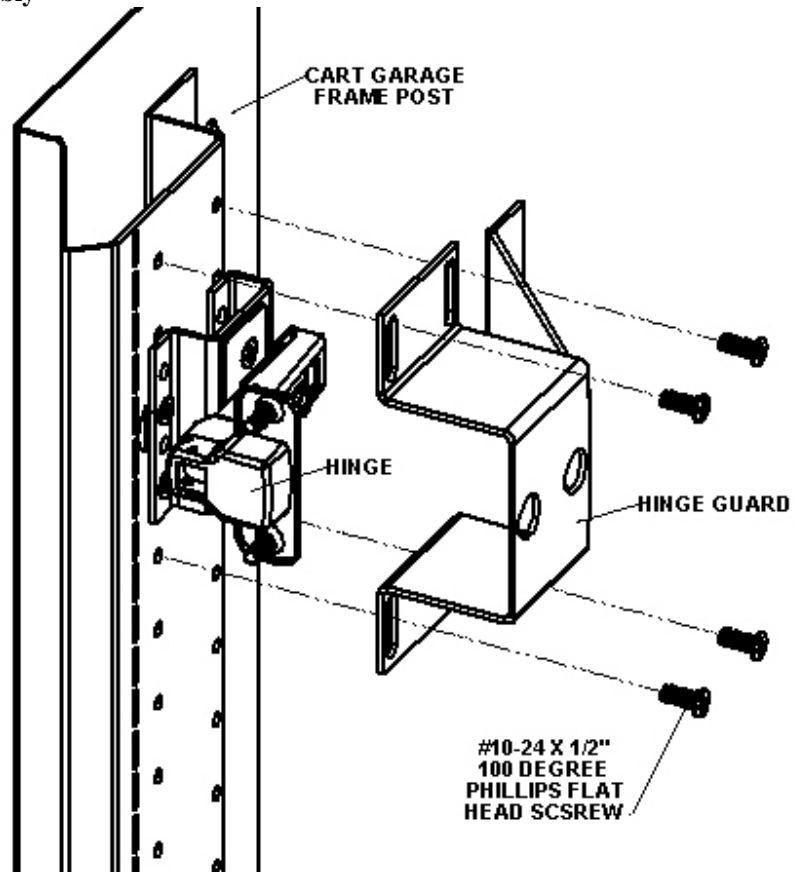
### Hinge Guard Assembly Steps:

1. Locate Hinge Guard over hinge (orient as shown)
2. Screw Hinge Guard to Cart Garage Cabinet Post using (4) included #10-24 x 1/2" 100 Degree Phillips Taptite Flat Head Screws

# Installing the Cart Garage Frame and Flush Door



## Door Hinge Guard Assembly



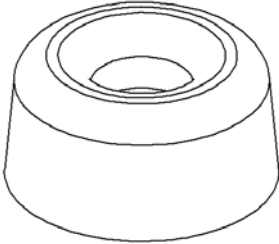
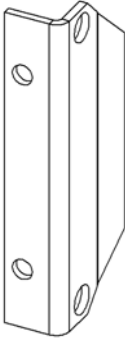

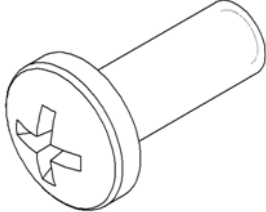
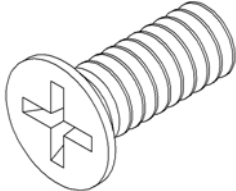
# Installing the Cart Garage Frame and Flush Door



## Installing Door Stops and Lock Catch:

### Tools Required:

- Phillips head screwdriver

Item	Description	Qty.	Picture
1	Rubber Door Stop	2	
2	Door Lock Catch	1	
3	Rubber Grommet for Door Stop	2	
4	#10-24 x 1/2" Phillips Taptite Pan Head Screw	2	
5	#10-24 x 1/2" 100 Degree Phillips Taptite Flat Head Screw	2	



# Installing the Cart Garage Frame and Flush Door



Figure 7 – Left Hinged Shown

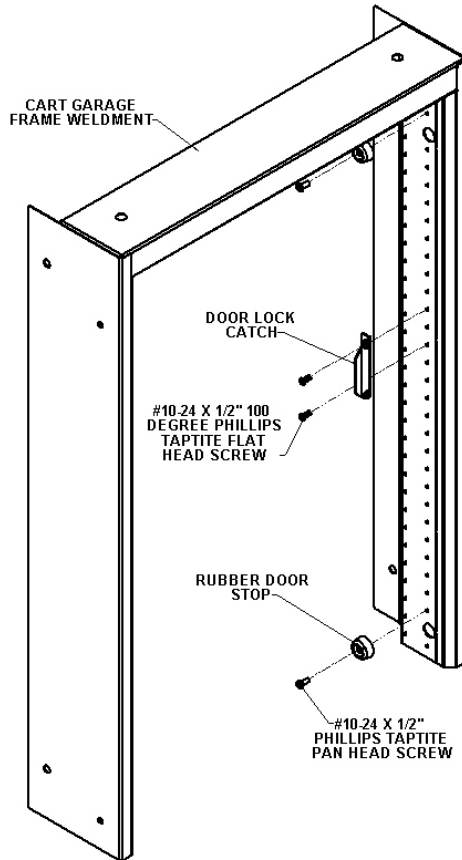
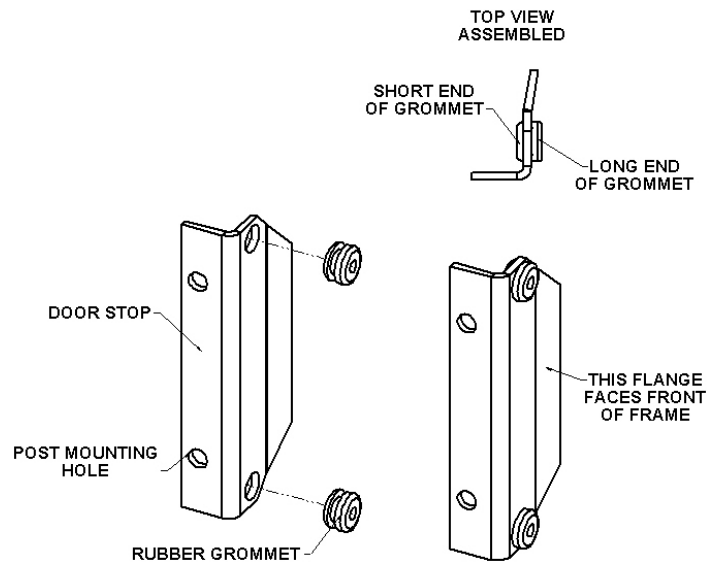


Figure 8



## Installing the Cart Garage Frame and Flush Door

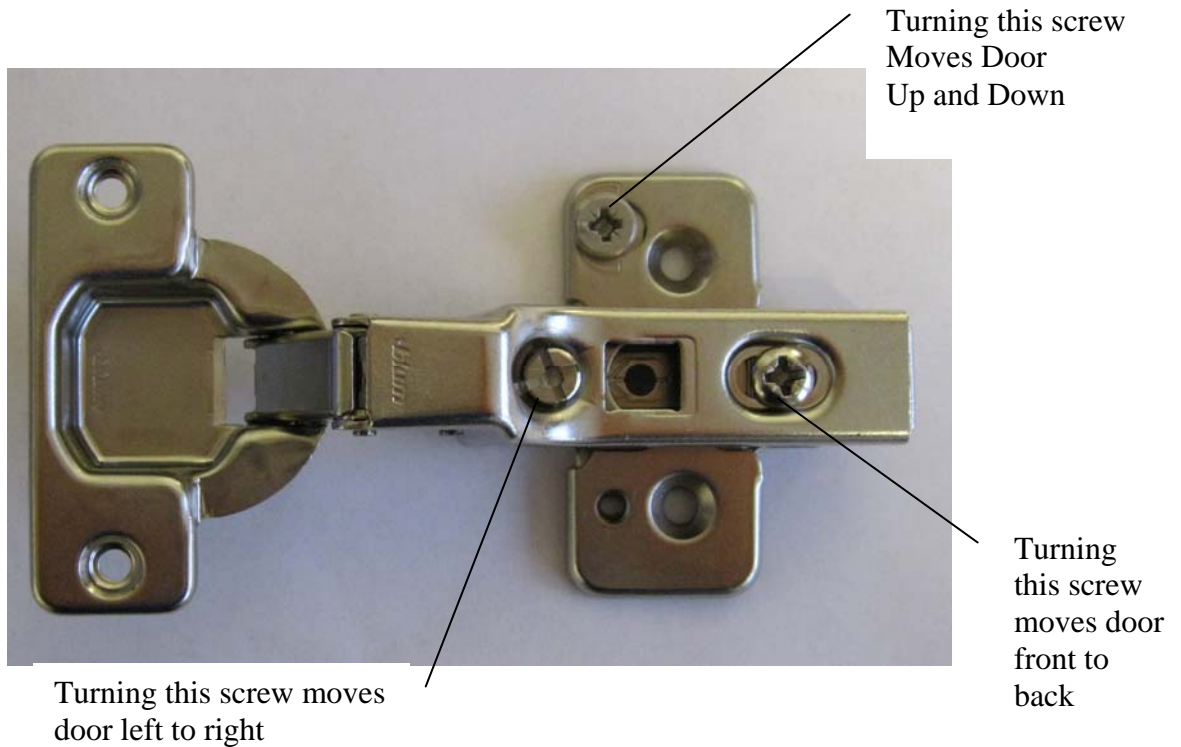
### Door Stop Installation:

1. Screw Rubber Door Stops into the front column of holes second hole down from top and second hole up from bottom on post opposite hinge side of Door using (1) included #10-24 x 1/2" Phillips Taptite Pan Head Screw per stop as shown in Figure 7
2. Insert (2) Rubber Grommets into (2) large holes on long flange of Door Lock catch oriented as shown in Figure 8
3. Close Door to locate vertical position for Door Lock Catch (Catch should be approximately centered to Door Lock) then re-open Door
4. Screw Door Lock Catch to front column of post holes at height on post located in Step 3 (orient Door Lock Catch as shown in Figure 7)

### 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).

# Installing the Cart Garage Frame and Flush Door



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