

**Building Ideas**A.J. Manufacturing, Inc. • 1217 Oak Street • Bloomer, WI 54724
1-800-328-9448 • www.ajdoor.com

Arizon Dome Door

EE - Emergency Exit, DEE - Double Emergency Exit,
PAL - Personal Air Lock Trouble Shooting Guide

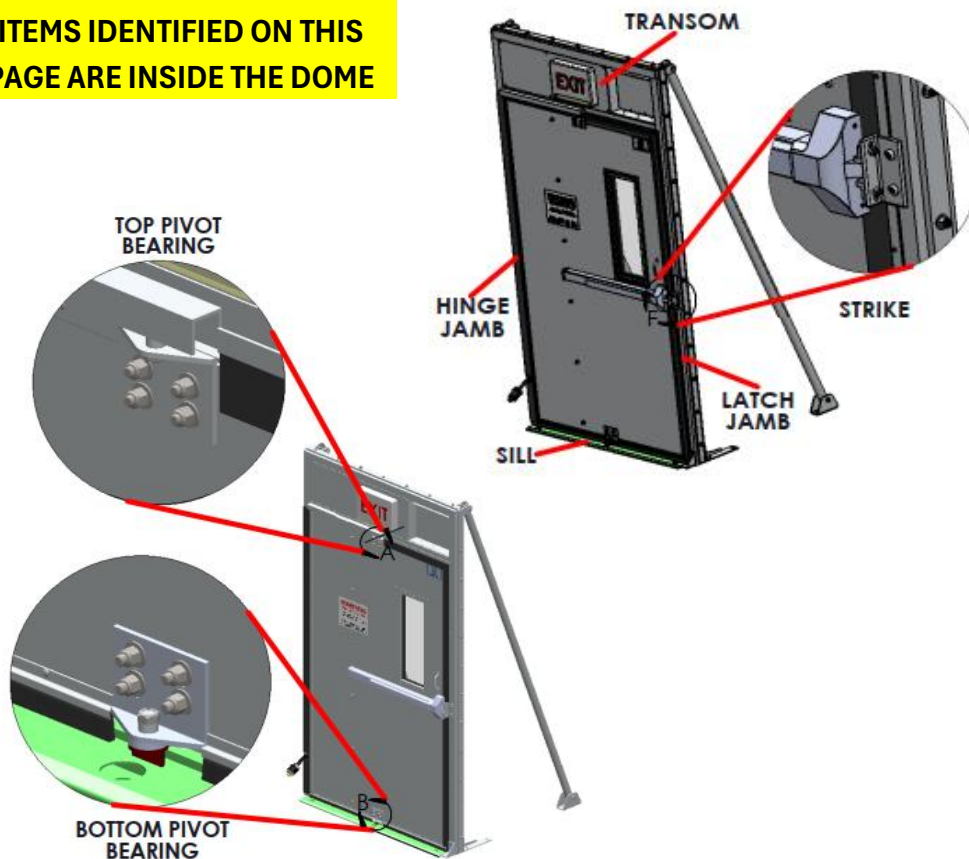
Damaged or Lost Parts

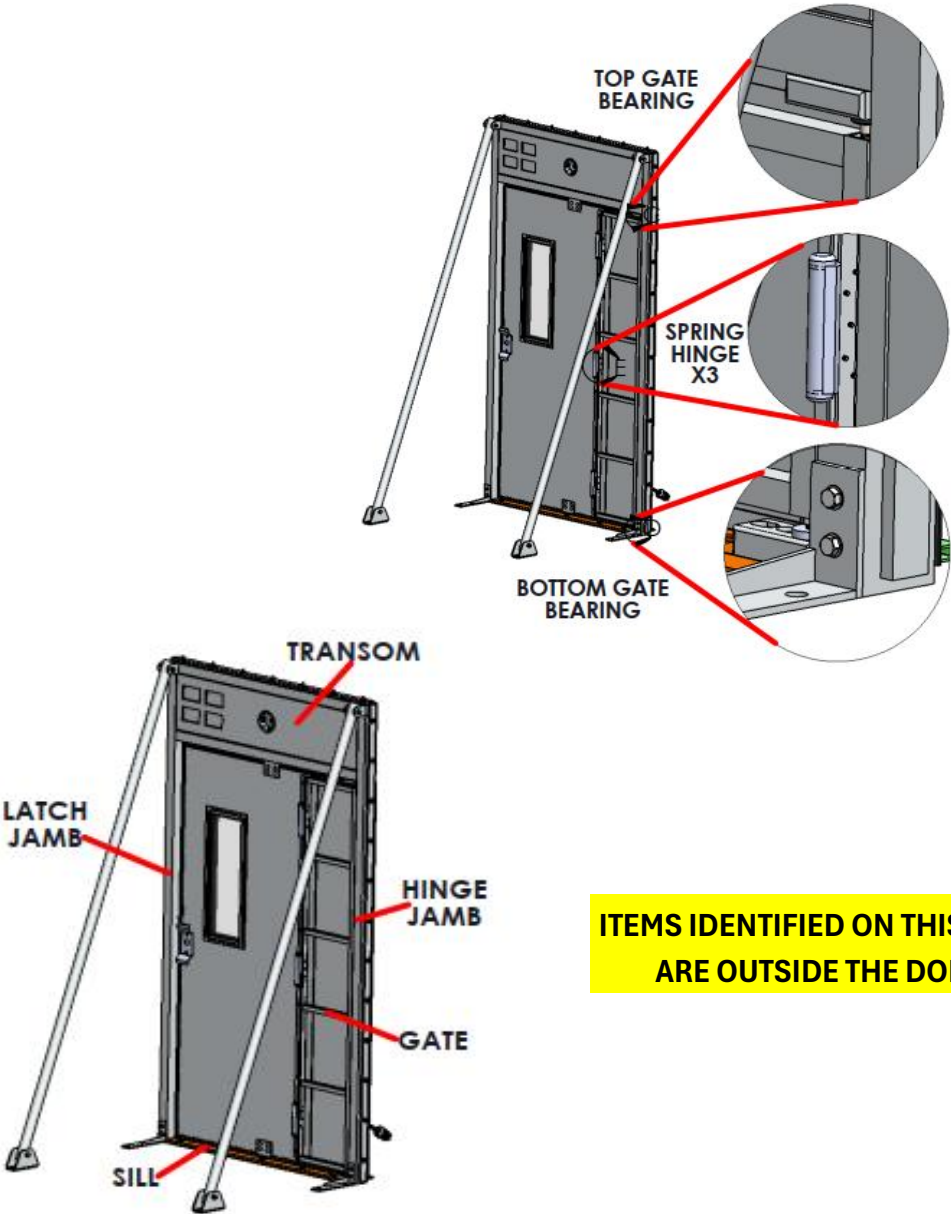
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See Below for Available Part Kits and P/Ns

Common Terminology across EE, DEE & PAL Units

**ITEMS IDENTIFIED ON THIS
PAGE ARE INSIDE THE DOME**





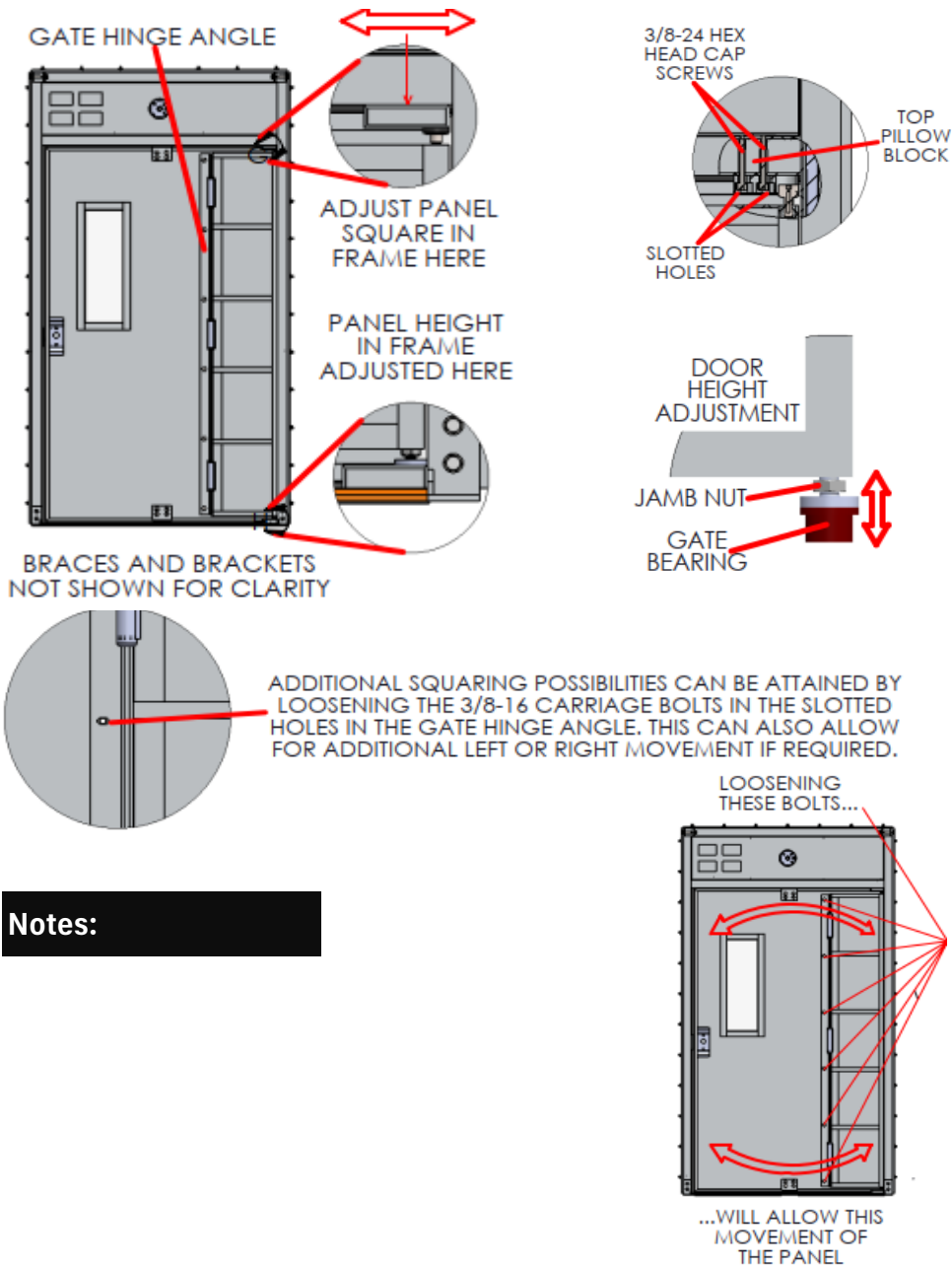
Notes:

Concrete: MUST be Level and Uniformly Flat before unit install!	
Bumps or Gaps under Sills	Use self leveling concrete under unit foot print Grind Concrete to assure it is level. Use in conjunction with self leveling concrete to assure Level and Uniform.
Loose Anchors	Tighten but do not Over-tighten
Unit Not square or level after install	Concrete not level or uniformly flat. See above.

Dome Fabric	
Pulling Unit out of Square/Level	Loosen Transition Vinyl. Must Not pull unit out of level or square when Dome is inflated

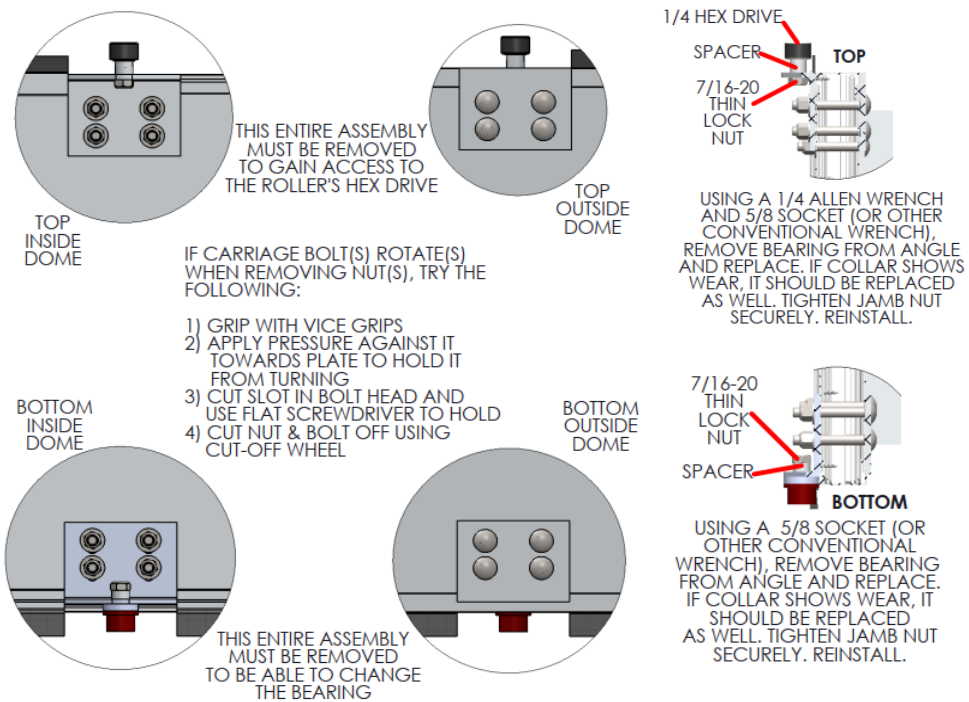
Notes:

Door Placement in Frame	
Door too LOW in Frame: Bottom Pivot Bearing binding, dragging or scraping.	Loosen Jamb Nut. Turn Bottom Gate Bearing counter-clockwise until desired height is reached. Re-tighten jamb nut against bottom of gate.
Door too High in Frame: Top Pivot Bearing binding, dragging or scraping	Loosen jamb nut leaving enough room to lower door. Turn bottom Gate Bearing clockwise until desired height is reached. Tighten jamb nut.
Panel out of square in frame: Interfering w/Frame, binding or rubbing	Loosen, DO NOT REMOVE, bolts in Top Pillow Block, Square the door in the frame, re-tighten bolts. Bolts are in slotted holes to accommodate this.



Pivot Bearings	
Door binds or does not operate smoothly - TOP	Inspect for damaged or worn parts and replace Top Pivot Bearing and/or other components as necessary. See replacement kit P/N below.
Door binds or does not operate smoothly - BOTTOM	Inspect for damaged or worn parts and replace Bottom Pivot Bearing and/or other components as necessary. See replacement kit P/N below.
Entire Panel loose	Check Gate Nuts/Bolts to assure they are tight. Tighten as necessary
	Inspect for damaged or worn parts and replace both Top and Bottom pivot bearings and/or other components as necessary. Replacement kit P/N available below.

!! WHILE INDIVIDUAL COMPONENTS ARE AVAILABLE (SEE BELOW), IN THE MAJORITY OF CASES IT IS RECOMMENDED TO REPLACE THE ENTIRE PIVOT ASSEMBLY !!



Notes:

Spring Adjustment

Springs too Tight. Closes too Fast	Insert tension rod into 2nd hole closest to the tension pin and pull to the right. Remove pin, release tension, replace pin.
Springs too Loose. Closing too slow or incomplete	Insert tension rod into hole next to the tension pin and pull to the right. Remove pin, place in new hole. Release tension pin

NOTE: HINGE PINS ARE SMALL. DO NOT DROP OR MISPLACE!

1. Insert adjustment tool into a hole on the tension adjustment ring on the hinge barrel.

a. If increasing tension, select the hole next to the stop pin. If relaxing tension, select the second hole from the stop pin.



4. Rotate the adjustment ring to the right to remove tension from the stop pin.

5. Remove the stop pin.



2. Rotate the adjustment tool to increase tension (to right) or relax tension (to left), as desired.

3. Replace the stop pin in the first open hole adjacent to the hinge leaf.



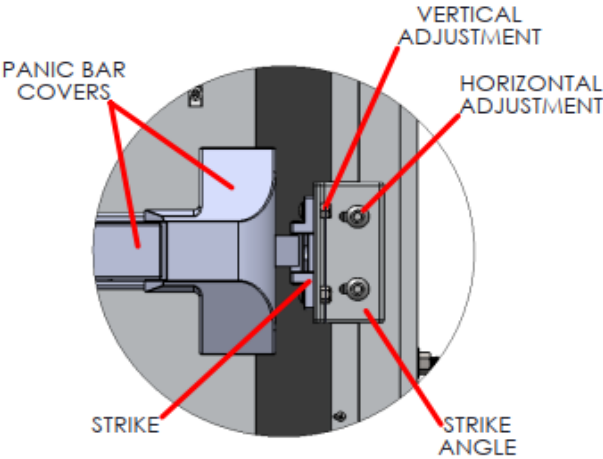
6. Allow the adjustment ring to rotate until the stop pin rests on the hinge leaf.

7. Repeat the process as necessary to achieve the desired spring tension.

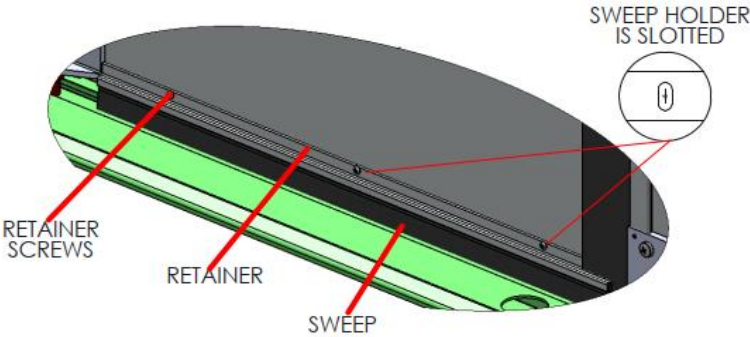


Notes:

Latch / Catch	
Won't Release	Check and slide panic cover plate away from push bar. Also, apply WD-40 or appropriate lube to panic bar mechanism.
Won't Catch	Adjust strike to left or right: loosen bolts into frame. Retighten bolts Adjust strike up or down: Loosen screws with Locknuts. Retighten screws



Bottom Sweeps	
Too much air intrusion	Loosen screws, slide sweep down, retighten screws. Remove screws. Place sweep in desired position. Drill holes using 7/64" bit. Use screws to attach sweep to door
Too much drag on door	Loosen screws, slide sweep up, retighten screws. Remove screws. Place sweep in desired position. Drill holes using 7/64" bit. Use screws to attach sweep to door



Notes:

Replacement Kits - Parts

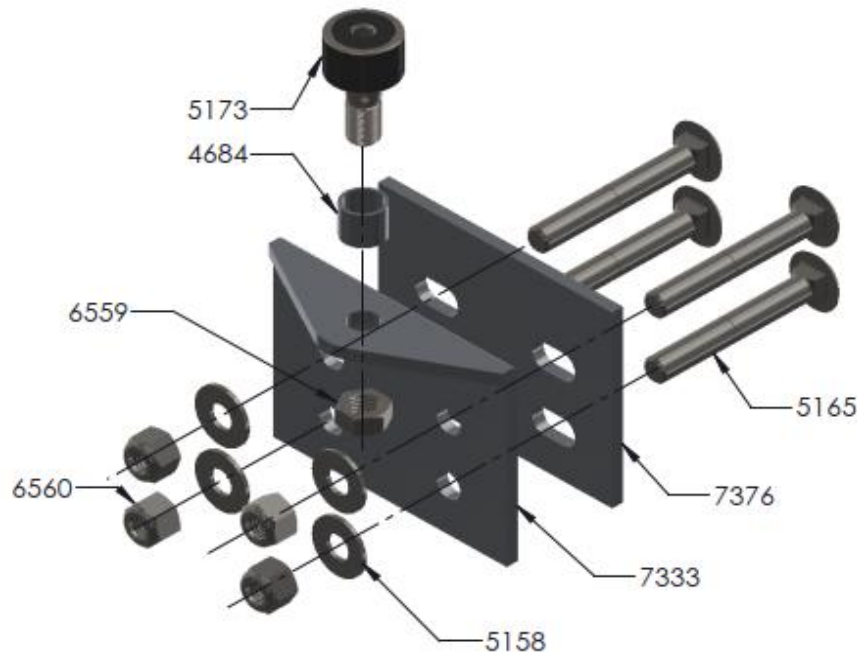
AJ P/N	Kit
2416	REPLACEMENT PARTS - EE GASKET KIT
2417	REPLACEMENT PARTS - DEE GASKET KIT
2418	REPLACEMENT PARTS - PAL GASKET KIT (both doors)
2420	REPLACEMENT PARTS - TOP PIVOT BEARING KIT - EE, DEE, PAL
2421	REPLACEMENT PARTS - BOTTOM PIVOT BEARING KIT - EE, DEE, PAL
7883	REPLACEMENT PARTS - EE 3&4/DEE 3 TRANSOM VENT KIT
8957	REPLACEMENT PARTS - EE5/DEE4 TRANSOM VENT KIT

Replacement Kits - Fabric Clamp Studs/Nutserts

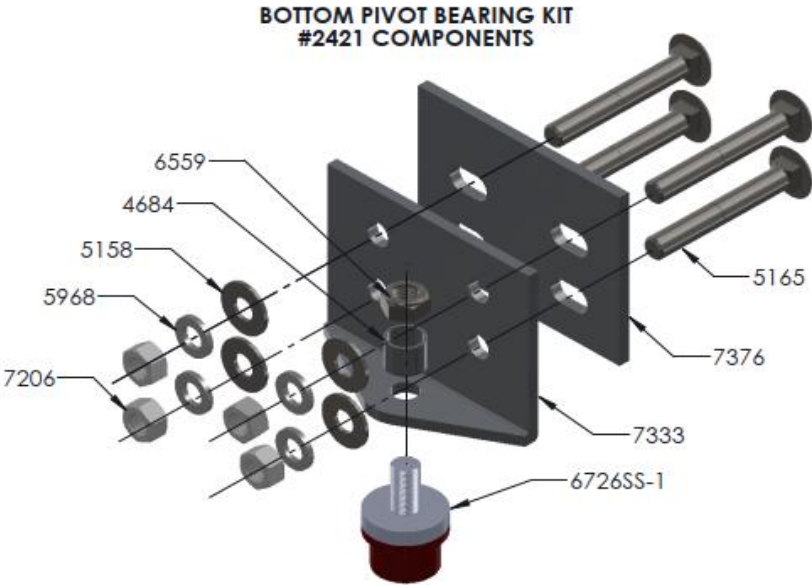
3721	FABRIC CLAMP STUDS/NUTSERTS - PAL
3722	FABRIC CLAMP STUDS/NUTSERTS - EE
3723	FABRIC CLAMP STUDS/NUTSERTS - DEE

Individual Pivot Bearing Assembly Components (Manufacturer's P/Ns)

5165	STAINLESS STEEL CARRIAGE BOLT - 3/8" X 2.75"
6560	LOCK NUT, SS, NYLON NSERT, 3/8-16
5968	318 STAINLESS STEEL LOCK WASHER
5158	STAINLESS STEEL FLAT WASHER 3/8"
4684	SPACER - 5/8" TUBE, OD .630 MAX, ID .506 MIN
5173	TRACK ROLLER - TOP BEARING
6726SS	FLANGED GUIDE BEARING, STAINLESS STEEL - BOTTOM BEARING
6559	LOCK NUT, SS, NYLON INSERT, 7/16-20 THIN
7206	.375-16 STAINLESS STEEL HEX NUT
7376	PIVOT BEARING REINFORCEMENT PLATE - TOP/BOTTOM ASSEMBLIES
7333	PIVOT BEARING ANGLE, TAPERED - TOP ASSEMBLY
8836	PIVOT BEARING MOUNTING BRACKET, ADJUSTABLE, BOTTOM ASSEMBLY



**TOP PIVOT BEARING KIT
#2420 COMPONENTS**



Notes: