All Noise Control & ANC-390/ANC-400

Accordion Partitions

Installation Manual



All Noise Control & ANC-390/ANC-400

Installation Manual

Tech Line: 561-964-9360

Single Panel



Table of Contents

All Noise Control and ANC-390/ANC-400

	Page 2
Introduction Step 1 – Installation	Page 3 - 10
Preliminary Preparation	
Verification of Parts	
Prepare Header	
Install Track	
Splicing Instructions	
Clean and Lubricate Track	
Hang Partitions	
Hang Partitions – Tall and Heavy	
Install Remaining Track	
Join Partition Sections	
Install Jamb Clips	
Installing Wood Strip	
Install Strike Plate and Female Sound Channel	
Check Sweep Strips	
Step 2 – Installation of Optional Equipment	Page 11 - 14
Jamb Post with Sliding Panel	
Jamb Post – Latch 59Option and Sliding Panel	
Master Lock Cylinder	
Glide Switches	
Install Paired Partitions	
Step 3 – Operation	Page 15 - 17
Operating the Partition	<u> </u>
Step 4 – Maintenance	Page 18
Track Maintenance	
Partition Maintenance	
Cleaning	
5 – Hardware Items	Page 19 - 40

All Noise Control & ANC-390/ANC-400

Installation Manual Tech Line: 561-964-9360

Single Panel

PROCEDURE FOR INSTALLING All Noise Control AND ANC-390/ANC-400

Purpose

To properly document the correct methods and processes required for the installation of All Noise Control AND ANC-390/ANC-400

Before Beginning Installation Review drawing and field Conditions

- Make sure you have drawings for fabrication, not approval drawings.
- Verify opening dimensions against drawings.
- Make sure existing building walls are properly reinforced for jamb attachments at each end of the opening.
- Examine pocket and/or stack area for proper clearance and adequate depth.
- Look for any job site conditions that could interfere with installation or operation of the partition.
- All discrepancies must be corrected before installation can begin
- Read installation instructions completely
- Contact a All Noise Control Resource if you have problems or questions with installation at 561-964-9360
- Verify all parts against the packing list
- Locate and lay out all pieces
- Be prepared to verify track level and straightness with laser or other leveling instruments. Finished track installation must be straight and level.

Tech Line: 561-964-9360

Step 1: Installation

Preliminary Preparation

Check opening dimensions and conditions carefully to see that they correspond with job requirements. Careful, accurate workmanship is required to assure good appearance and operation. When verifying straightness, use a chalk line or light nylon line stretched taut across the opening. A surveyor's level (tripod mounted) or transit is recommended for accurate leveling.

NOTE: These instructions are not a contract to provide labor and materials described. Such details are determined by the contracts and specifications of each job.

Verification of Parts

Before installation, open each crate to see that all items have been shipped. Use the packing list to verify that all parts are present.

Prepare Header

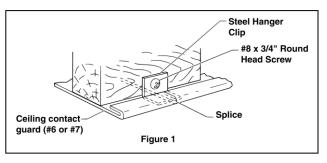
Prepare the header to the appropriate opening dimensions. A curved track with ceiling contract guard must be installed carefully to the exact specified radius in order to assure the contact guard will fit the track properly. Adjust the header to provide a level track mounting surface. To ensure maximum track screw holding power, do not shim between the track and the header.

Install Track

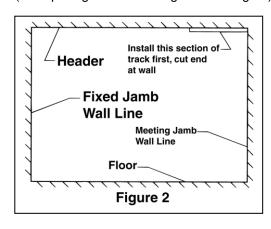
For #5, #6 and #7 track with or without ceiling contact guard

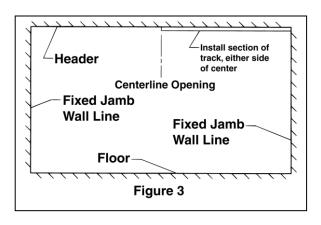
NOTE: For specific job details, track lengths and screw spacing, refer to the contract drawings or the acknowledgement copy of the order.

Begin by installing the ceiling contact guard across the opening. Align carefully and butt ends securely together. Next, install the steel hanger clips. Then install a section of track at the meeting jamb end of the opening using the fasteners provided. For



paired partitions, install a section of track at either side of the center of the opening. Examine the track ends and, if necessary, remove burrs and straighten ends. If the track must be shortened, place the cut end at the wall, not at the splice. Beginning at one jamb, install the required consecutive track lengths (see splicing instructions figure 4 through 7).



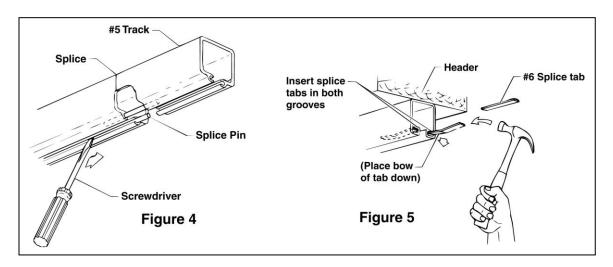


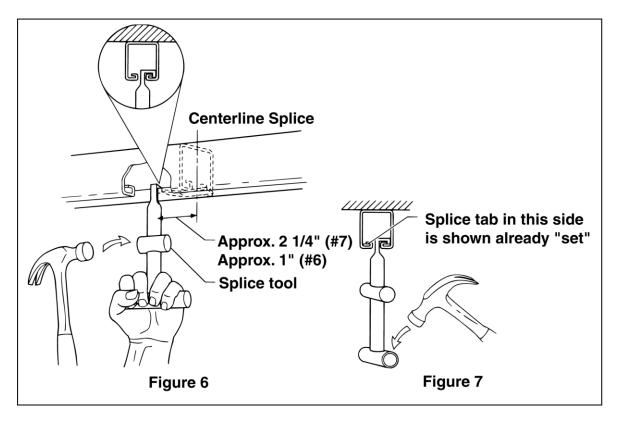
Installation Manual Tech Line: 561-964-9360



Splicing Instructions

Begin by installing the first track section to the prepared header and insert the splice tabs. Next, install the meeting section of track tight against the first section. Then drive the splice pins/ tabs across the track splice until each has half its length in both track sections. Finish by setting the tabs by tapping downward on the handle of the splice tool (for #6 or #7 track splicing only).



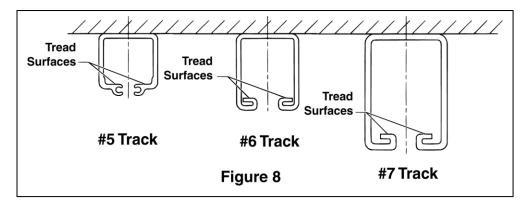


Tech Line: 561-964-9360



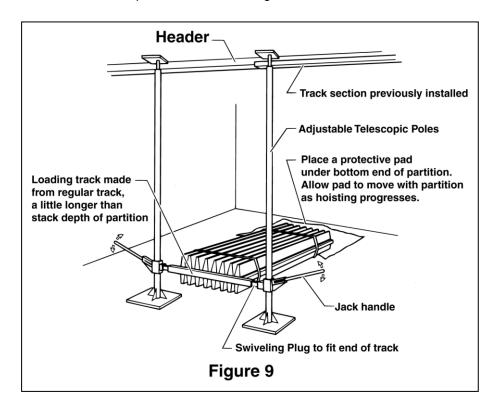
Clean and Lubricate Track

Thoroughly clean the inside of the track, particularly the tread surfaces. Remove all traces of dirt and any metal particles that may have gathered during shipping and installation. Next, lubricate the tread surfaces of all track sections with a thin, even coat of petroleum jelly.



Hang Partitions

Using a hoisting jack, hang the partition sections on the short length of the loading track, set the jacks, engage the plugs in the loading track and operate jack to elevate the partition sections to the main track level. Attach the loading track temporarily to the header and roll the door sections onto the main track. After the partitions are hung, take down the loading track and temporarily install the removable track section, but do not splice it to the bordering track.

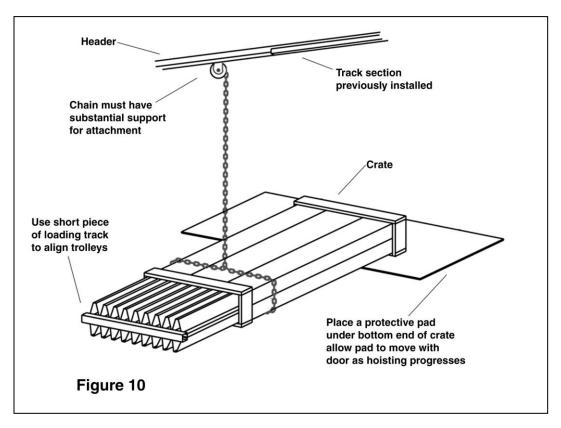


Tech Line: 561-964-9360



Hang Partitions - Tall and Heavy

For taller heavier partitions remove only the top portion of the crate, exposing the top of the door. Use a short piece of loading track to align the trolleys. With a chain hoist attached to the overhead structure and a chain securely fastened around the crate, raise the door to an upright position. Attach the loading track temporarily to the header and roll the partition onto the main track after removing the crate.



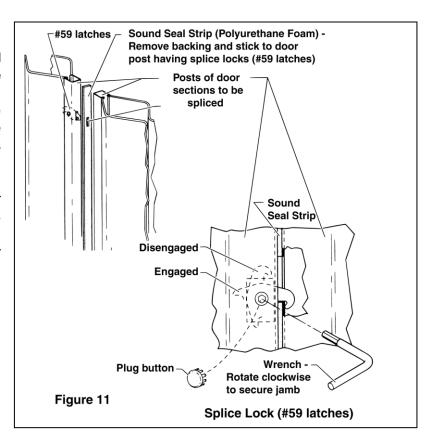
Installing Remaining Track

Install the remaining sections of track making sure that the tread surfaces are in alignment and that there are no burrs at the track ends or joints. If the track needs to be shortened, always place the cut end against the wall, not at a splice.



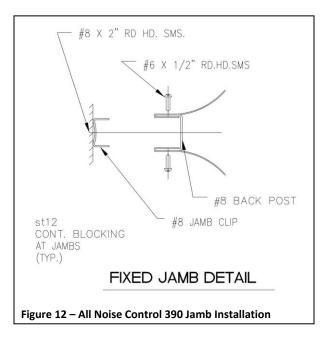
Join Partition Sections Spliced Partitions Only

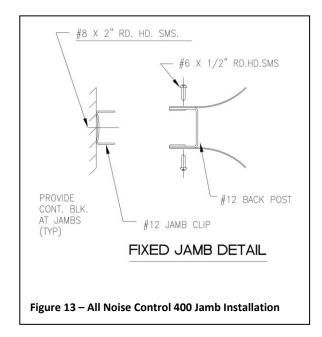
Begin by installing the sound seal strips as shown. Before bringing the posts together on the partition sections to be spliced, insert a wrench in the splice locks and turn it as far as possible in the direction which raises (disengages) the hook. Next, bring the posts together and turn the wrench as far as possible in the opposite direction to secure the locks. Finish by inserting the plug buttons in all splice lock access holes.



Install Jamb Clips

For All Noise Control 390 & 400 accordion partitions; begin by running a plumb line down the wall and installing the jamb clips to the wall. Then secure the fixed jamb to the jamb clips. Install a bead of clear silicone caulk at the joint of the jamb post and the wall both sides the entire length of the post or molding.

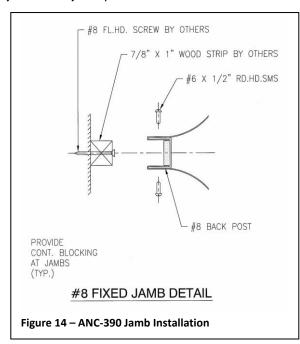


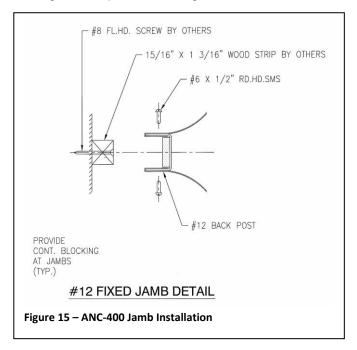


Tech Line: 561-964-9360

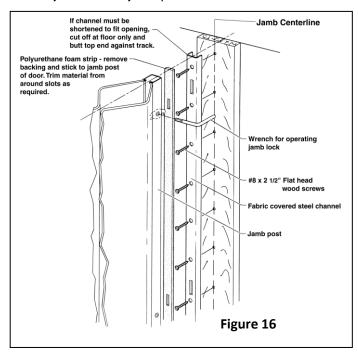
Installing Wood Strip

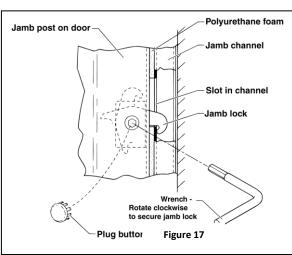
For ANC-390 & 400 accordion partitions; begin by running a plumb line down the wall and installing wood strip to the wall. Then secure the fixed jamb to the wood strip. Install a bead of clear silicone caulk at the joint of the jamb post and the wall both sides the entire length of the post or molding.





For installing ANC-390 & ANC-400 partitions which implement jamb locks, attach wood strip to jamb centerline. Insert wood screws through back of strip. Attach accordion back post to jamb. Caulk both vertical joints where jamb post meets the wall.

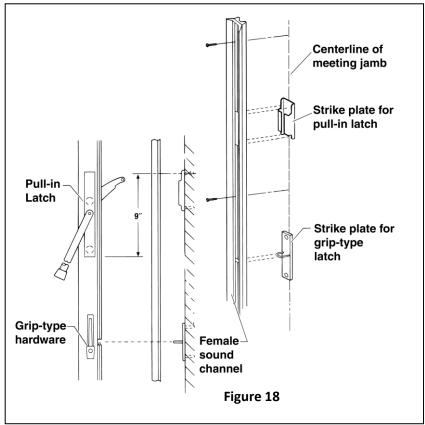




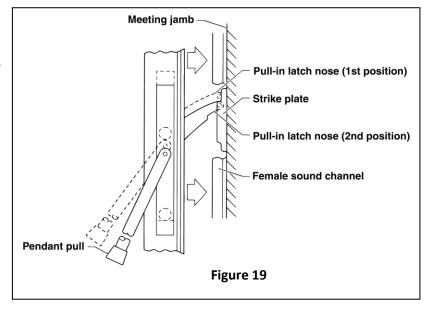
Install Strike Plate and Female Sound Channel Single partitions only

Determine the centerline of the meeting jamb by striking a plumb line from the track centerline to the floor.

Now locate the two strike plates as shown and install with the fasteners supplied (1/8" diameter pilot holes required). To install the sound channel, just drill pilot holes using the sound jamb as a template and attach. Both edges of the sound channel require caulk. Use a clear silicone type and draw a bead on both vertical edges of the wall channel where it contacts the wall.

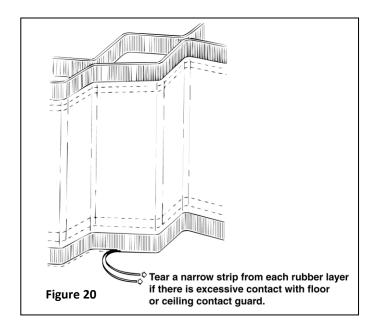


To operate the pull-in latch, move the partition close to meeting the jamb and raise the pendant pull, indicated by broken lines in *Figure 19*. Allow the pendant pull to drop slightly. This action will engage the pull-in latch nose with the strike plate. Pull downward on the pendant pull to bring the lead post firmly against the meeting jamb. (The lead post moves in the direction of the arrows indicated in *Figure 19*.)

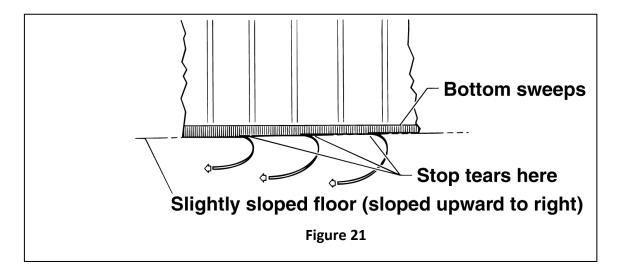


Check Sweep Strips

Check to make sure sweep strips have adequate contact at both the top and bottom edges of the partition. There should be no light leaks with the partition completely extended. If excessive contact is a problem, tear up to 1/4" off the double layers to relieve this condition (If more than 1/4" of the rubber sweep strip is removed, the middle layer of felt will also need to be trimmed until it is even with the rubber sweep. Use scissors when trimming the felt).



In cases where the floor is not level because of a slight slope, sweep contact may be improved by "step" tearing narrow strips to conform to the slope of the floor *(See Figure 21)*. The amount torn off should be 1/8" at each "step."

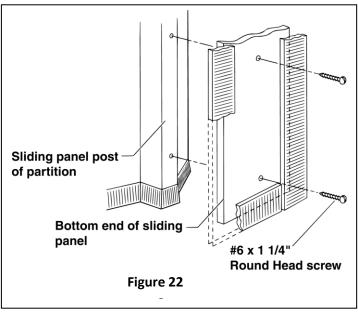


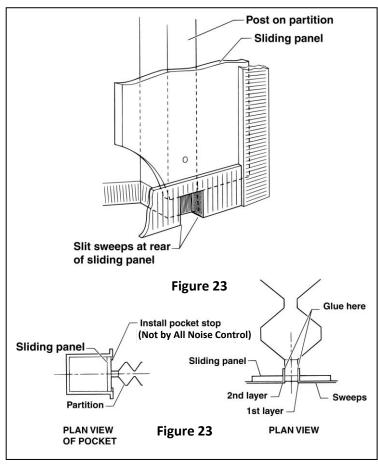
Step 2: Installation of Optional Equipment

Jamb Post with Sliding Panel

Attach the sliding panel to the post of the door with #6 x 1 1/4" long round head screws, making sure the bottom end of the panel is down. The holes will then align correctly. Place a continuous bead of clear silicone caulk both sides of sliding panel post where it attaches to the sliding panel.

Next slit both layers of sweep strip at the rear of the sliding panel. Bring the flaps forward and use a neoprene based adhesive (ex. 3-M90) to attach them to the sweeps on each side of the bottom end of the post. Then install the pocket stops.





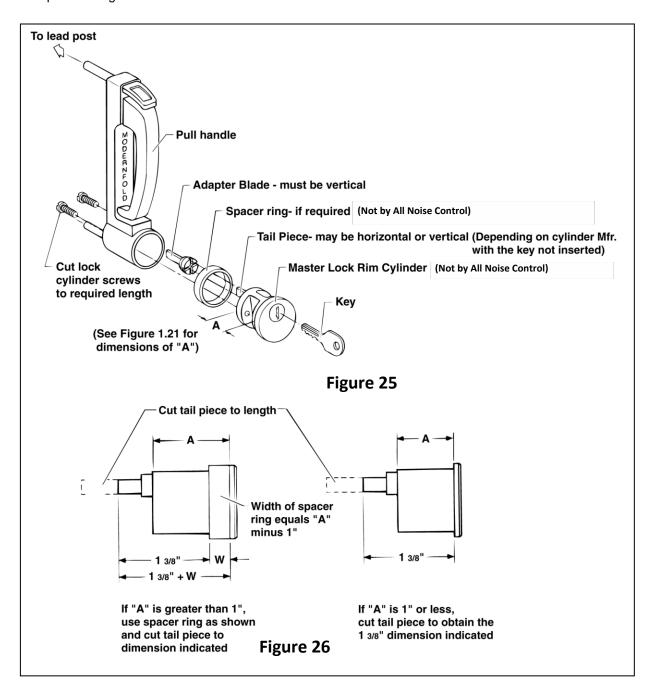
Jamb Post - Latch 59 Option and Sliding Panel

Place the sliding panel with the trolley in the track. Then notch the sweep strips at the top and bottom of the jamb channel. Align holes and mount the jamb channel to the sliding panel with #8 X 13/4" flat head screws. Secure the jamb channel sweeps to the sliding panel sweeps using All Noise Control glue. Install a continuous vertical bead of clear silicone caulk at the joint of the jamb channel and sliding panel. Now remove the backing on the sound seal strip and stick it to the jamb lock on the back post of the door. Cut out the slots at the jamb locks. Roll the sliding panel into the pocket and install the sliding

panel stops. Polyurethane foam strip sticks to jamb post of partition **Partition** Vertically plumb centerline on sliding panel Sliding panel Plug button Jamb channel Install pocket stops (Not by All Noise Control) #8 - 1 3/4" Flat head screws Sliding panel **Partition PLAN VIEW** Notch sweep strips at top and bottom Jamb lock back **OF POCKET** ends of jamb channel and glue to sweeps post on partition on sliding panel Access holes for operating jamb locks Figure 24

Master Lock Cylinder

Loosen the set screws at the top and bottom of one of the pulls and carefully remove both pulls from the lead post. Pre-assemble the adapter, spacer ring (if used) and rim cylinder to pull, using two screws cut to the required length. Replace the pulls on the lead post, turning the key slightly if necessary, to guide the adapter blade into the latch case inside the lead post. Hold the pulls tightly against the side of the lead post and tighten the set screws.

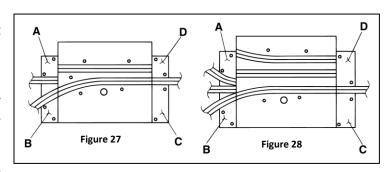


Tech Line: 561-964-9360

Glide Switches

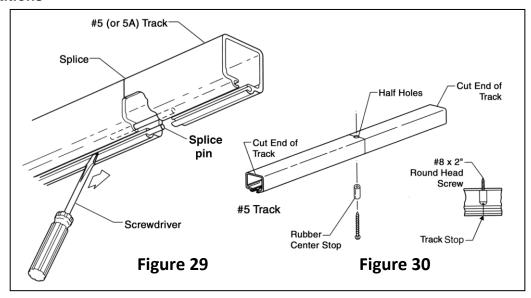
Remove cover plates A, B, C and D. Then place the switch in recess and secure it with #14 X 2 1/2" long screws, shimming the switch to the track if necessary.

NOTE: Four screws are required for hand-operated units; six screws are required for electrically operated units. Cautions, to avoid binding, do not bend the track extensions while installing the glide switches.



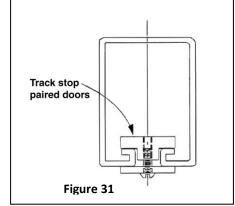
Install Paired Partitions

Measure the opening width and cut each track /32" section 1 shorter than half that width. The cut end must positioned opposite the end with the half hole (Fig. 26). Place one track section into the opening with the sawed end at the jamb post. Thread one half of pair onto track



installed with jamb end first. When using the # 5 track slip the rubber center stop into the track, then install on the same section of the track the other half of partition with lead post first. If # 5 track is used, install splice pins in track, already installed, flush with end. Next install second half of track and then position space pins as shown *Figure 27*. Install center stop as shown in *Figure 28*. The same type of stop is also used with the #6 track. To install after partition is hung find the center of the opening, drill a 1/8" diameter pilot hole then install stop in this position.

The track stop for paired partitions with #7 track is shown below. To install the track stop, locate the center of the opening. Loosen screw, insert T-bar section into the track gap and rotate the assembly 90 degrees so that the T-bar now bisects the track gap, and the entire assembly can be locked in place by tightening the screw. If the door style has unequal halves, locate the stop accordingly.



Step 3: Operating the Partition

Operating the Panel

General Tips

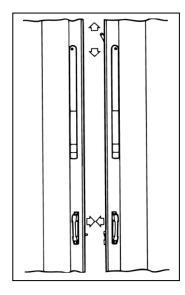
- Extend or close the partition using both handles and/or pendant pulls.
- Do not move the partition rapidly or stop the partition suddenly.
- Do not allow the pendant pulls to swing freely. After use, steady and release them.
- Always be sure the partition's path is free of obstruction before operation. Do not attempt to extend the partition if the ceiling track or its support appears broken or bent, or if the floor area beneath the partition is buckled or broken.

Extending the partition using pendant pulls:

Stand under the track, facing the lead post of the partition. Grip the pendant pulls and walk backwards, pulling the partition with the pendants. After the partition is extended, secure it for sound seal against the jamb.



The final closure is secured by two separate latch mechanisms - one at the grip handles and one near the top of the post. Engage the top latch first by pushing up on the pendant pulls to extend the pull-in latch hook so it can be guided into the pull-in latch strike. After the pull-in hook engages the strike plate, pull down on the pendant pull to draw lead post tight to the jamb. The lower latch will then catch automatically or with slight pressure.



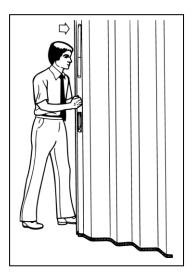
Extending the partition without pendant pulls:

Standing directly under track and using both hands, grip the hand grips on the partition and slowly walk backwards. Once the partition is extended, latch it manually into the jamb. If the partition is paired, pull both sides to the center and push them together. The latch will automatically engage.



Stacking the partition using pendant pulls:

Release the hand-high grip latch by pushing the thumb button at the top of the handle. Disengage the pull-in latch at the top of the partition by lifting up on one of the pendant pulls and pushing the partition away from the jamb. Once both latches are released, separate the partition from the wall), step directly under the track facing the lead post and, using both hands, slowly push the partition back.



Tech Line: 561-964-9360

Stacking the partition without pendant pulls:

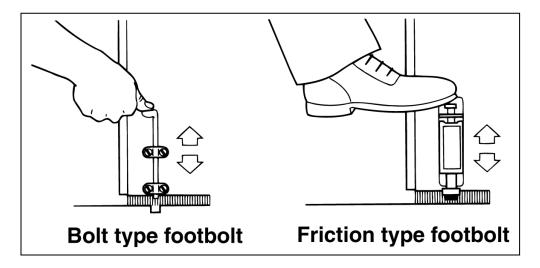
Release the latch by pushing the thumb button at the top of the handle. Once the latch is disengaged, take the center hand grips and open the partition slightly. Step directly under the track facing the lead post and, using both hands, slowly push the partition back.



Operating foot bolts

If the partition has a foot bolt, extend the partition to its proper location. Lower the foot bolt to the "down" position to lock.

NOTE: Do not move the partition with the foot bolt in the "down" position. Always move the foot bolt to the "up" position prior to extending or closing the partition.



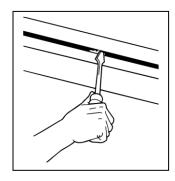
Tech Line: 561-964-9360

Step 4: Maintenance

Track Maintenance

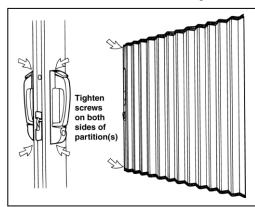
Lubrication

Tracks should be lubricated every 18 months. Load a half-inch lump of any petroleum jelly on the flat of a straight screwdriver blade and insert the screwdriver through the track channel. Wipe the lubricant inside the track on the channel rail, repeating the procedure every three feet of track, alternating channel rails. Finish by wiping away any lubricant visible outside the track channel. As the partition is operated, the trolley will distribute the lubricant throughout the length of the track.



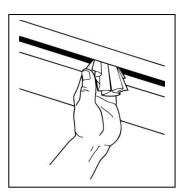
Partition Maintenance

Every 18 months, check and tighten all partition screws (located in the molding on the end of the lead post, the top and bottom of each handle.) Also verify that the screws used to mount the track to the header are secure. These can be tightened with the proper screwdriver and the aid of a flashlight.



Cleaning

Old lubricant should be cleaned from track channels every four years. Simply push part of a clean rag through the channel opening and use a squeegee motion to push the old lubricant out of the track. Relubricate the track immediately, following the procedure outlined under Track Maintenance, lubrication.

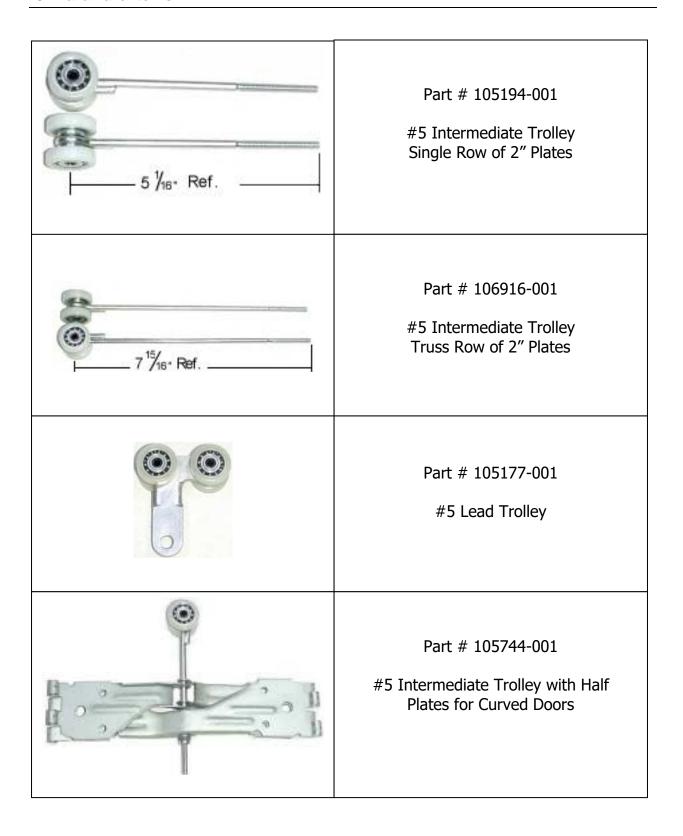


Vinyl surfaces

Clean as necessary using any common non-ammonia cleaning solution. Never use an ammonia-based glass cleaning solution on vinyl.



5: Hardware Items





5½ _{16"} Ref.	Part # 102665-001 #5 Trolley Yoke Single Row of 2" Plates
7 ¹⁵ / _{16"} Ref.	Part # 102666-001 #5 Trolley Yoke 2" Plates Truss Row
	Part # 104416-001 Nut, #10-24 Nyloc
	Part # 102763-001 Flat Washer .219 ID x .50 OD x.049 Thk

Part # 102673-001 #5 Lead Trolley Yoke
Part # 105419-001 #5 Lead Trolley Clevis
Part # 101586-001 Pin .187 x 1.375, Drive Lock Use with Trolley Clevis
Part # 101606-001 Pin .312 x 1.00 Use with Trolley Clevis

Part # 105448-001 #6 Lead Trolley
Part # 105745-001 #6 Intermediate Trolley with #8 Hinge Plates, Curved, Single Row
Part # 101596-001 Spring Pin ~ ¼" x 1" Plain
Part # 102660-001 #6 Lead Trolley Yoke

1.28"	Part # 101058-001 Threaded Trolley Bushing For #12 Post
	Part # 105819-001 Mounting Screw, Lead Trolley For #12 Post
	Part # 102085-001 Lead Trolley Spacer #12 Post
	Part # 102077-001 Hinge Pin Spacer For #8 Truss Plates

	Part # 105435-001 #7 Lead Trolley with Small Wheels
	Part # 106513-001 #7 Trolley with #8 Hinge Plates, Curved, Truss Row
	Part # 105747-001 #7 Trolley with #8 Hinge Plates, Curved, Single Row
Ref.	Part # 100519-001 #7 Intermediate Trolley, with Small Wheels for #8 Single Row Plates, Chain Drive Ref. = 5-7/8" Pin = 3/16" Dia.

Ref.	Part # 100524-001 #7 Intermediate Trolley, with Small Wheels for #8 Truss Row Plates Ref. = 6-7/8", Pin = 3/16" Dia
Ref.	Part # 105726-001 #7 Intermediate Trolley, with Small Wheels for #12 Single Row Plates, Chain Drive Ref. = 7-9/16", Pin = 1/4" Dia
Ref.	Part # 105724-001 #7 Intermediate Trolley, with Large Wheels for #12 Truss Row Plates, Chain Drive Ref. = 13-11/16" Pin = 1/4" Dia
	Part # 105047-001 Fabric Fastener



#62 Pull in Latch

Part

102592-001 Strike Plate 104318-001 Screws 101406-001 Label (1/pull)

105772-001 16" Pendant Pull 105772-002 31" Pendant Pull

101080-001 Cap Only

105773-001 Escutcheon Plate (2)

101371-001 Pendant Pivot Pull and Connector (2)

100654-001 = #8 100654-002 = #12 Bolt and Pin Assembly (1) Spacer, Pull in Latch (1)

100643-001 thru -006 per application - Shaft,

Pendant Pull

101319-001 Guide #62 Pull in Latch (2)

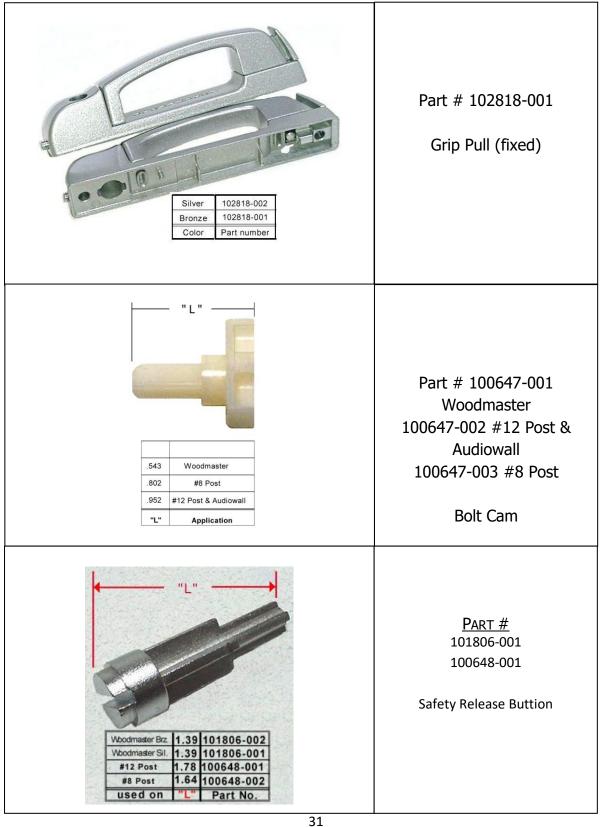
101765-001 Pop-rivet (2) 101572-001 Drive Loc Pin (2)

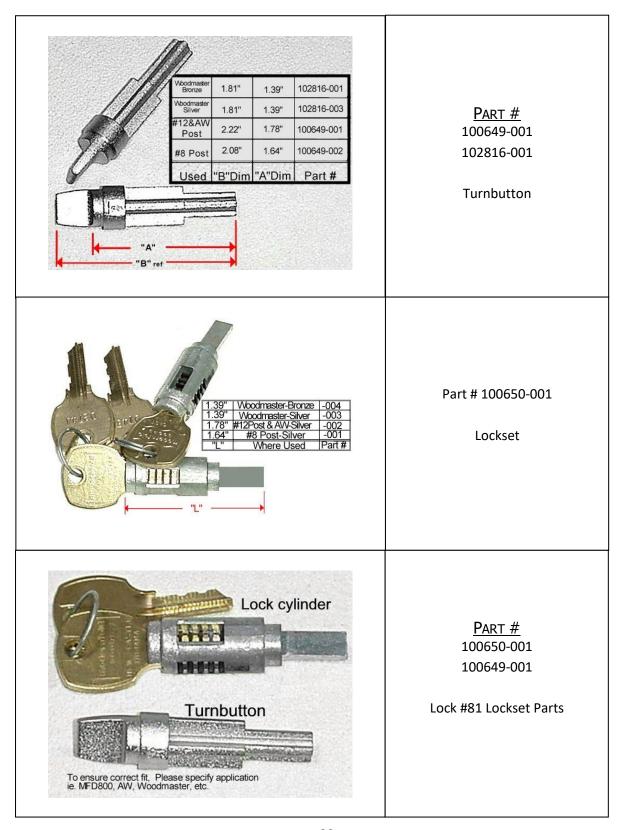


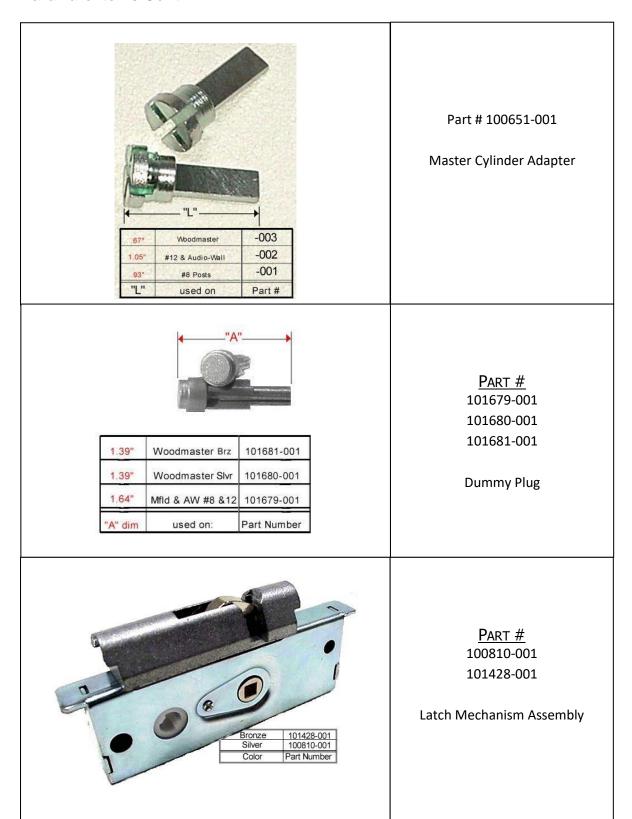
where used Part Number

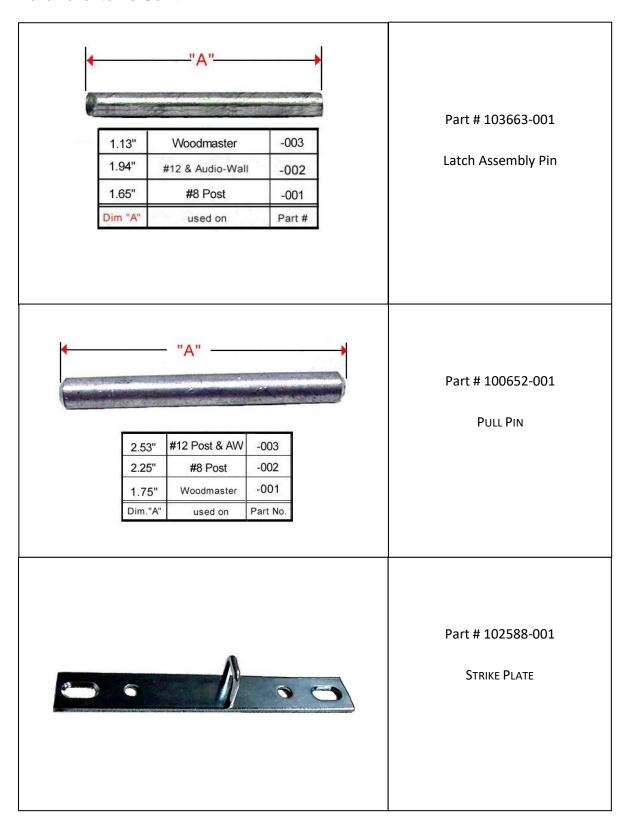


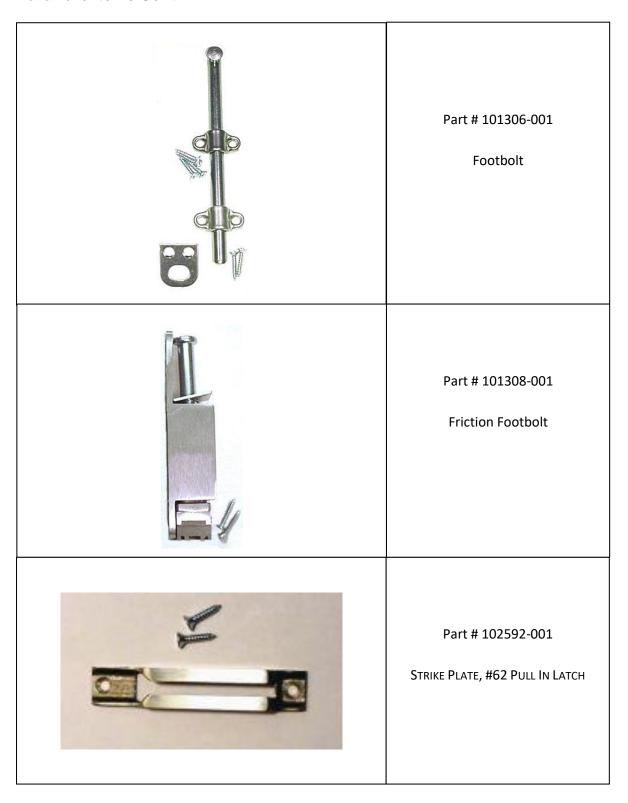


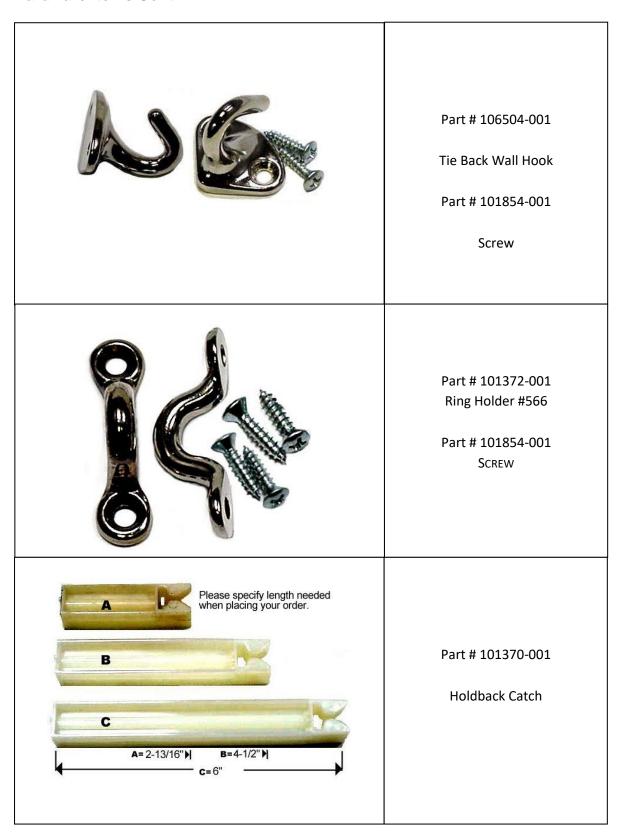


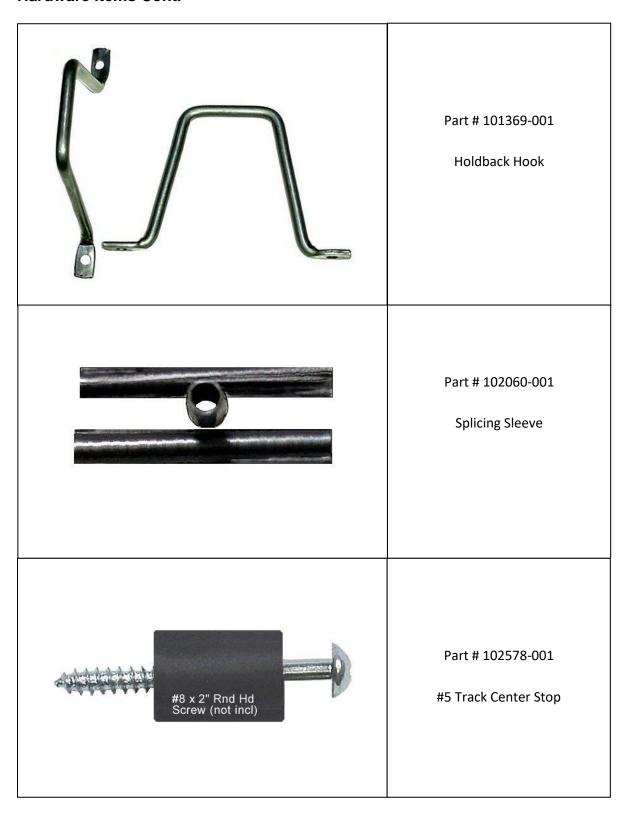












P P P P P P P P P P P P P P P P P P P	PART # 104256-001 104257-001 104258-001 #6 Button Chain
	Part # 102815-001 Button
	Part # 102814-001 Wrench, Jamb Lock #59

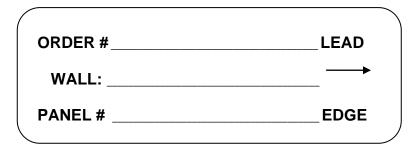




All Noise Control & ANC-390/ANC-400 Tech Line: 561-964-9360

IDENTIFICATION FOR THE DISTRIBUTOR

This label with the appropriate numbers applied is installed on the top retainer between the sweeps of the panel assembly. It can help you later, if this partition should ever need repairs.



IDENTIFICATION FOR THE END USER

This label is installed on the trail edge of the number one panel on your partition.

n o ise control	FOR SERVICE AND PREVENTATIVE MAINTENANCE CALL 561-964-9360 FOR YOUR AUTHORIZED SERVICE CENTER
	JOB #

All Noise Control & ANC-390/ANC-400 Tech Line: 561-964-9360



2731 Vista Pkwy STE D6, West Palm Beach, FL 33411

Toll Free: 561-964-9360

email: info@allnoisecontrol.com

www.allnoisecontrol.com