THERMOSEAL®

INSTALLATION & SERVICE MANUAL

STANDARD PASS THRU

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Safety and Warnings

BEFORE YOU BEGIN
Read instructions completely and carefully.
WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY, OBSERVE THE FOLLOWING:
1) Use this unit in the manner intended by the manufacturer.
2) Before servicing or altering, switch power off.

For use inside a commercial refrigeration case with packaged foods only.

FOR YOUR SAFETY
Read and observe all CAUTIONS and WARNINGS
shown throughout these instructions. While performing installations described; gloves, safety glasses or goggles should be worn.

PREPARE ELECTRICAL WIRING
Electrical requirements
This appliance must be supplied with 120V, 60 Hz, and connected to an individual and properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker or time delay fuse.

1. Frame Installation

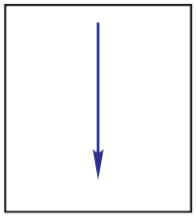
PROTECTIVE GEAR NOTICE	
	*Protective Eyewear– Potential risk of eye injuries, protective eyewear required when performing this, and any other associated tasks.*
	*Protective Gloves– Potential risk of injury to your hands, protective gloves required when performing this, and any other associated tasks.*
	*Footwear Protective – Potential risk of injury to your feet, wearing protective footwear is required when performing this and any other associated tasks.*

Confirm the net-opening conforms to openings listed in price book or original order.

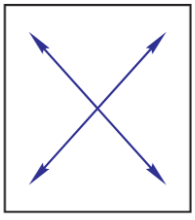
- Insert the finished frame assembly into the net opening. If the fit is too tight, **DO NOT** force the frame.
- Insert a mounting screw into a mounting hole in each corner of the frame and tighten each screw until itis approximately a quarter inch from flush.
- Check and confirm that the frame is square.
- Using a 25 foot measuring tape, measure diagonally from one corner to the opposite corner, noting the distance.
- Measure the distance between the remaining two corners.
- Confirm that the frame and frame flanges are plumb to the surface of the wall around the net opening.
- Place a level on the top flange of the header frame to check header level.
- If the top of the frame (Header Frame) is sagging or bowing, correct as necessary.
- When the frame is square and plumb, tighten all mounting screws securely until each is flush to the surface of the frame.

WARNING	
	***Warning: DO NOT over** tighten screws onto the frame, as this may cause bowing, sagging, or the frame to become out of square. This will cause installation issues with Door's proper function. Adjusted the frame as needed to ensure it is square and free of bowing and sags.*

PLUMB
Vertically
Correct Mount



SQUARE
Measure From
Corner To Corner



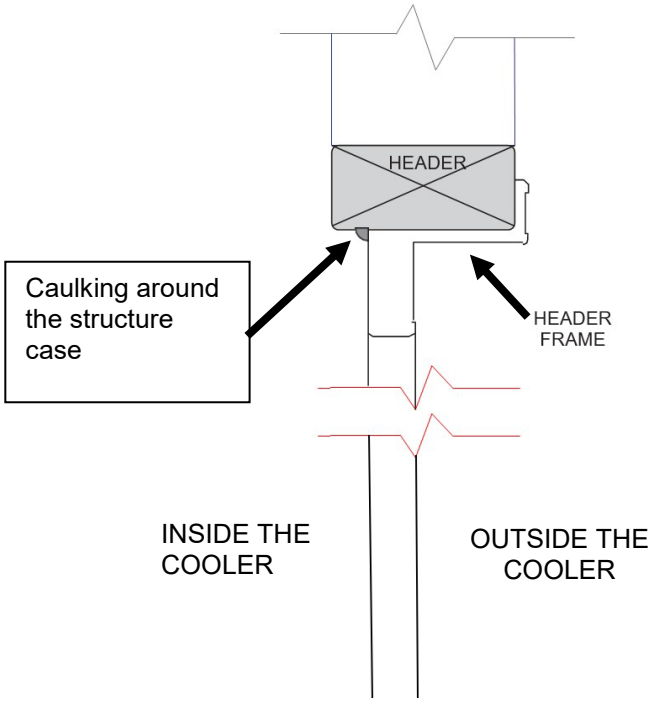
2. Caulking, Shimming, threshold, electrical wiring connections

2.1 Caulking

Seal the gap between the frame and the surrounding wall, inside the case, cooler or freezer using a caulking gun and NSF approved food grade silicone sealant (RTV-108). Not following these procedures can void Thermoseal Service & Warranty on condensation and ice build-up issues. Once Silicone Sealant is cured double-check for any remaining gaps that require more sealant.

PROTECTIVE GEAR NOTICE	
	*Protective Eyewear– Potential risk of eye injuries, protective eyewear required when performing this, and any other associated tasks.*
	*Protective Gloves– Potential risk of injury to your hands, protective gloves required when performing this, and any other associated tasks.*
	*Footwear Protective – Potential risk of injury to your feet, wearing protective footwear is required when performing this and any other associated tasks.*

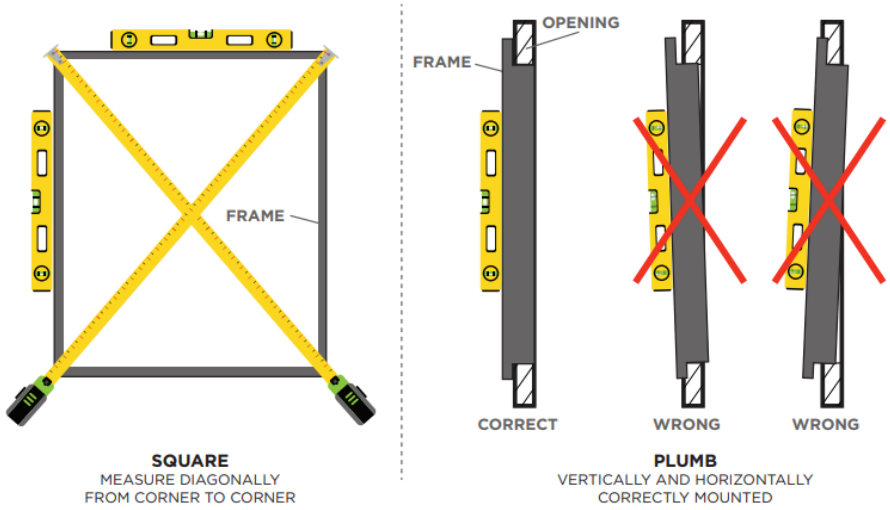
Note: Caulk around door frame to seal and reduce air infiltration.



2.2 Shimming Frame

Shimming is only to be used when necessary and will primarily be done at the header (top) of frame and opening. If the gap between the frame and net opening is greater than 1/16", proceed to shim the gap for a proper fit everything is aligned, squared, plumb and gaps do not exceed 1/16" skip the shimming process and proceed to sealing the Frame refer to "Sealing the Frame" below for instructions.
The following instructions will ensure properly shim frame when necessary:
1. Acquire sturdy, penetrable material, such as plywood. The thickness of the material should be wedge shaped and slightly less than the gap to be filled, remember if gap is larger than 1/8" opening must be reduced properly accommodate the frame.
2. When using shims, they must be installed from left to right or top to bottom, PARALLEL to frame width or height.
3. Measure the length of the gap (height or width of frame) and cut the shim material to 1/16 of an inch less than the measured length.
4. Install the shim using the same type of mounting hardware that will be used to install the frame. Be certain that the shim installation hardware will not interfere with the frame installation hardware.
5. If necessary, cut a second shim to the same length and install it in the opposite side of the net opening.
6. If the adjacent sides of the net opening need to be shimmed, repeat the previous steps, matching the shim length to the frame sides of the net opening (less 1/16 of an inch).
7. Shims must NOT be used in a perpendicular manner.
A. When the Frame extends past Sill, Header, or Jack Studs ensure that excess shim material does not extend (in depth, i.e. front to back) past the Sill, Header, or Jack Studs (see Figure 2.0, Example 1 in figure below)
B. When Sill, Header, or Jack Studs extend past the Frame ensure that excess shim material does not extend (in depth, i.e. front to back) past the Frame (see Figure 2.0, Example 2 in figure below)

If the adjacent sides of the net opening need shimming, repeat the previous steps. Match the shim length to the frame sides of the net opening (less 1/16”)



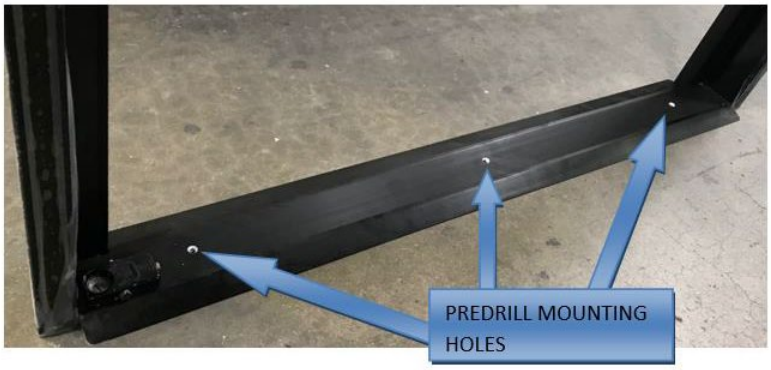
To Install a Pass Thru Frame with Threshold

NOTES:

1. **If a Roll-A-Way cart is included in the order, it must be behind the door before installing the frame.**
2. **Standard Roll-A-Way Application-Roll-A-Way is a permanent fixture of case.**
3. Insert the finished frame assembly into the net opening. DO NOT force the frame if the fit is too tight.
4. Insert a mounting screw into a mounting hole in each corner of the frame and tighten each screw until it is approximately a quarter inch from flush.
5. Check the frame is aligned properly or square. Refer to Figure 2 Frame Installation Reference.

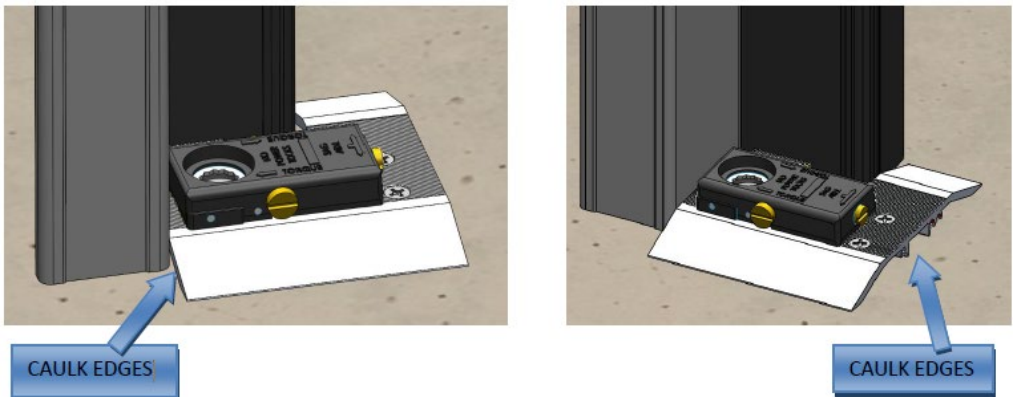
When the threshold is desired, drill and lag on pre-drilled mounting holes only.

NOTE: Use caulk and food grade silicone sealant to seal the gap between the frame and the surrounding wall, inside case, cooler or freezer.

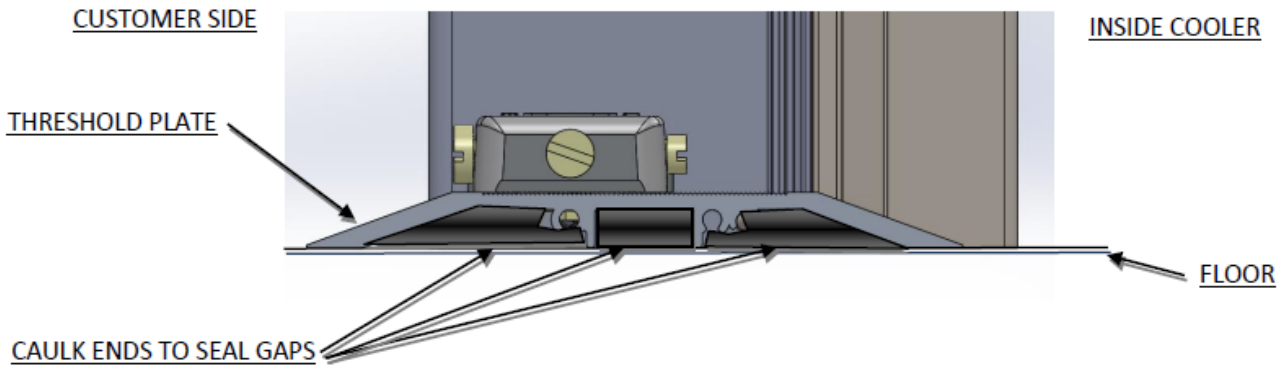


For Cut Threshold

Verify the cut threshold square and plumb to the rest of the frame before drilling through pre-drilled mounting holes. Refer to Figure 4 Without Threshold.

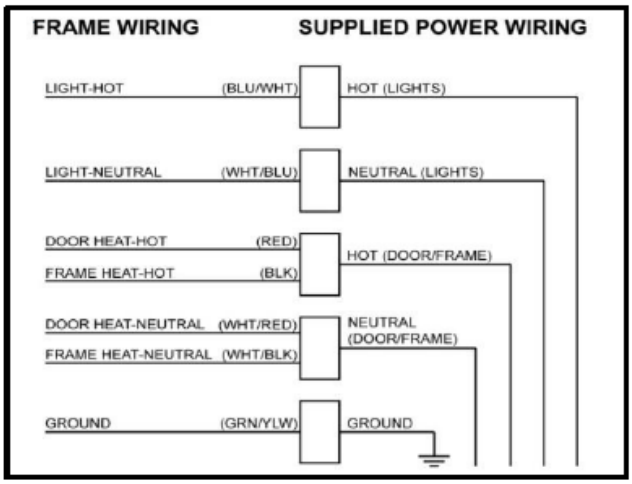


NOTE: Use caulk and food grade silicone sealant to seal the gap between the frame and the surrounding wall, inside case, cooler or freezer. Not following these procedures can void Anthony's Service & Warranty on condensation and ice build-up issues.



2.3. Frame Electrical Wiring Connections

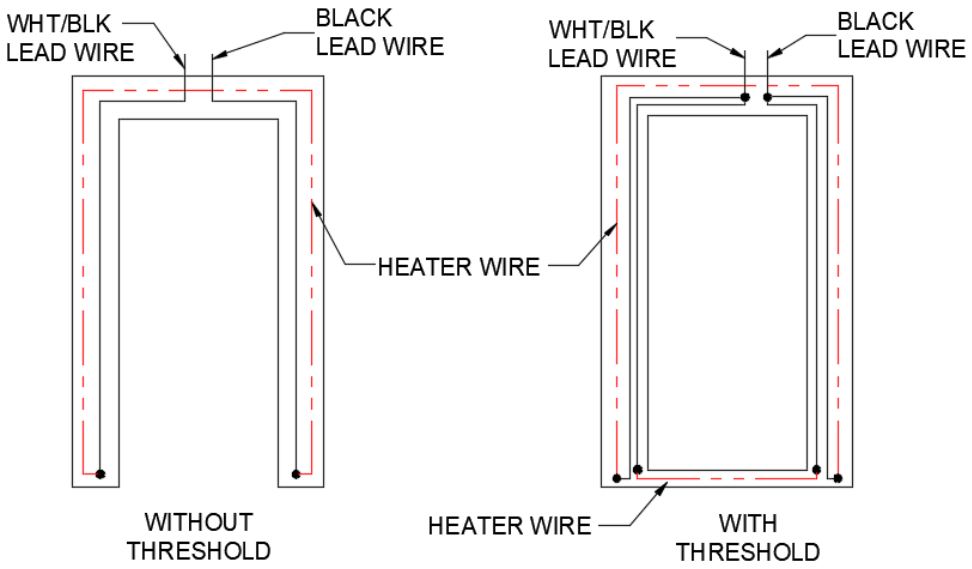
Wiring Diagram



The seven individual wires extending from the flexible conduit atop the frame, provide electrical power to various frame and door functions for the wiring diagram label, affixed to the frame header.
Using wire connectors, these wires should be grouped by the Hot wires (Circuit wires), the Neutral wires and the ground wire for connection to either the facility or the case power.

- Blue/White wire connects to the supplied Hot (or Lights Circuit Wire).
- White/Blue wire connects to the supplied Light neutral wire.
- Red and Black wires connect to the supplied Hot (or Door/Frame Heater Circuit Wire).
- White/Red and White/Black wires connect to the supplied neutral wire for Door/Frame Circuit.
- Green/Yellow wire connects to the supplied ground wire.

NOTE: Wiring for lights should have a separate circuit from the door/frame heater wiring circuit.

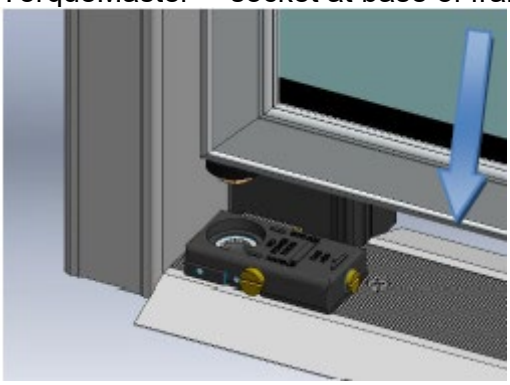


WIRING DIAGRAM

3. DOOR INSTALLATION

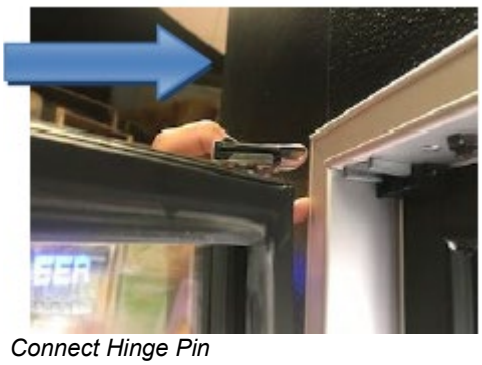
3.1. To Install the Door Assembly

1. Hold the door on each side, with the handle facing forward. Lift door, align torque rod to insert into TorqueMaster™ socket at base of frame.



Insert Torque Rod

2. Engage door with hinge pin inserted into Gib (hinge pin plug) receptacle at top of frame. Push door into frame until hinge pin snaps in place.



Connect Hinge Pin

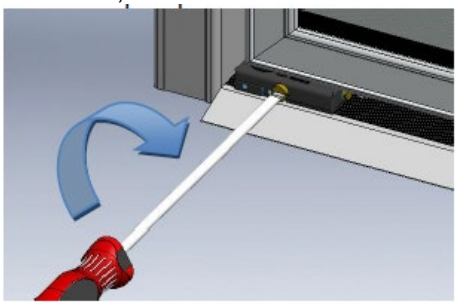
3. Insert the hold-open bolt through the elongated hold-open slot.
4. Insert the hold open through stand-off and secure it with a Phillips screw (provided) using a #2 Philips screwdriver. Keep the screwdriver perpendicular to the screw head. Make sure the tip is fully seated into the screw head recess before turning.
Note: DO NOT use power tools to install hold-open screw.

Tighten Hold-Open Screw

5. Set the door tension swing and correct the door alignment by adjusting the TorqueMaster™. (See TORQUEMASTER™ AND SAG ADJUSTMENT.
NOTE: Exercise caution when handling the door.
NOTE: DO NOT use power tools when adjusting the TorqueMaster™.
NOTE: DO NOT over tighten hold-open bolt. Verify hold-open does not bind while sliding along the hold-open bolt. Adjust as necessary.

3.2. To Remove the Door Assembly

1. Release tension on TorqueMaster™ with a flat-head screwdriver. Turn the TorqueMaster™ front facing screw clockwise, until the door does not automatically close from an open position.



Release TorqueMaster Tension

2. Open door to access the hold open device, then loosen and remove hold-open using a Phillips #2 screwdriver.
Note: DO NOT use power tools to remove hold-open screw

3. Insert the hold-open bolt through the elongated hold-open slot.
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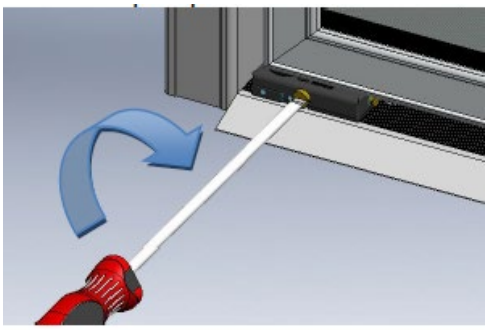
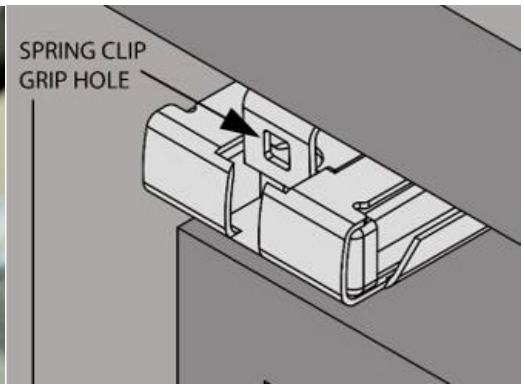


Release TorqueMaster Tension

2. Open door to access the hold open device, then loosen and remove hold-open using a Phillips #2 screwdriver.
Note: DO NOT use power tools to remove hold-open screw.

Remove Hold-Open

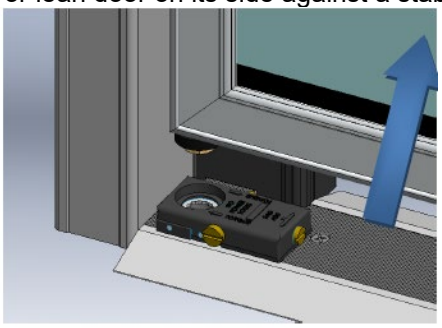
3. Retract the door to a near-closed position.
4. Remove hinge pin plug from frame by inserting top-half of needle-nose pliers into the spring clip grip hole and the bottom half beneath the hinge pin shroud.



5. Compress pliers to clamp down on hinge pin spring clip, then simultaneously pull the hinge pin away from the frame and pull the door top out.

Withdraw Away From Hinge Gib

6. Lift door out of TorqueMaster™. Secure or lean door on its side against a stable surface.



Withdraw From Frame

3.3. To Reverse the Door Swing
Some doors are reversible. Remove the door from the frame first and then perform the following steps.
3.3.1. Frame
1. To remove Torquemaster, insert flat-head screwdriver into top center cutout in Torquemaster, and turn mounting screw counter-clockwise for less than ½ turn. Lift Torquemaster off frame.

Remove TorqueMaster

2. Pry off (underneath) plug cap from mounting hole, on opposite side of the doorframe with a flat-head screwdriver.

Remove Plug Cap

3. Set Torquemaster on opened mounting hole. Align the flanged corners of the mounting tabs with the SAG ADJUSTMENT screw facing the inside of the frame.

Mount TorqueMaster

4. Use the flat-head screwdriver and turn the TorqueMaster mounting setscrew clockwise for ½ turn, to tighten the mounting flange and lock it in place.
5. Relocate and install the hold-open stand-offs and spacer into the opposite hold-open mount of the same doorframe.

Insert Stand-Off

3.3.2 Door wiring connections

1. Access the hinge pin wire connections in the rail on the hinge side of the door assembly.
2. Disconnect the Hot, Neutral, and Ground wires of the hinge pin.

Hinge Pin Wire

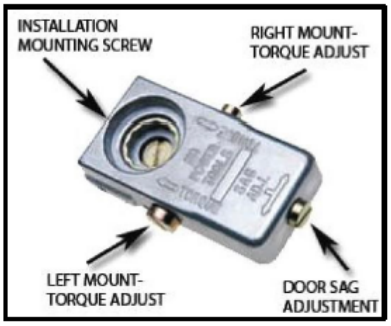
3. Loosen and remove the hinge pin assembly from the top door rail.
4. Using a plastic mallet and a flat-head screwdriver, remove the torque rod from the bottom of the door assembly.

Remove Torque Rod

5. Reinstall the hinge pin and the torque rod into the opposite ends of the door assembly.
6. Reconnect the hinge pin wires and confirm all connections.
7. Check and confirm torque rod and hinge pin are correctly installed.
8. Reinstall the door into the frame per the door installation procedures.

4. TORQUEMASTER™ AND SAG ADJUSTMENT

The TorqueMaster™ regulates the door alignment and the door closing tension.



Remove Torque Rod

1. Use a flathead screwdriver to adjust the torque rod tension, by turning the outside screw on the TorqueMaster™.
• Turn counter-clockwise to increase tension.
• Turn clockwise to decrease the tension.
2. Adjust the door sag to square the door in the frame by turning the screw that is marked SAG ADJ. (sag adjustment), on the end of the TorqueMaster™, until the door is aligned square in opening.
• Turn counter-clockwise to raise handle side of door.
• Turn clockwise to lower the handle side of door.

Revisions

Rev.	Description	Date	Orig.	Inc.	Chk.
A	Production release	12/5/25	HT		