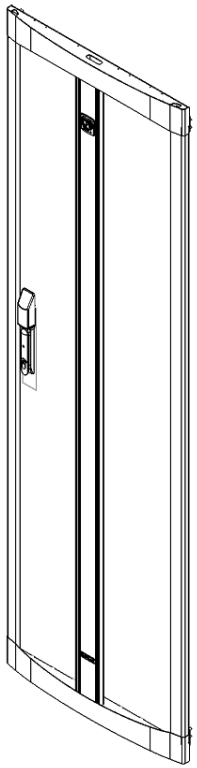
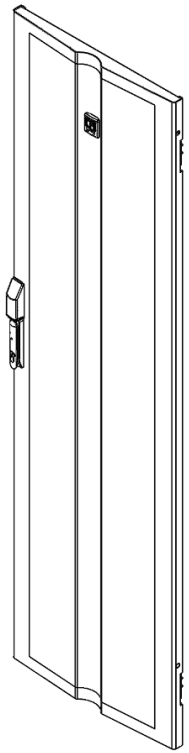
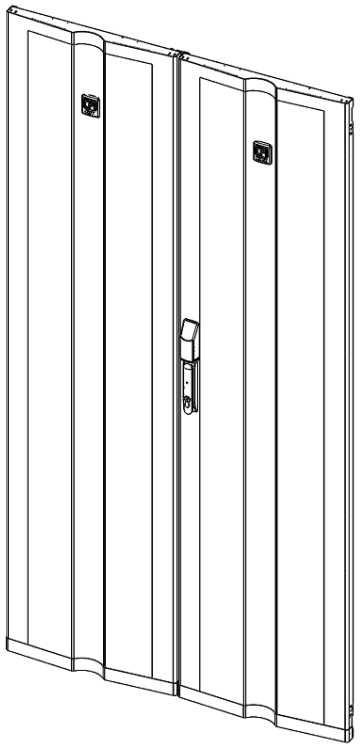
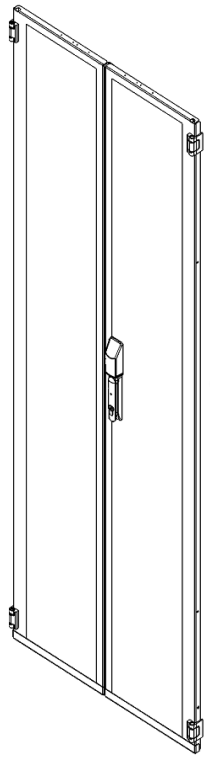
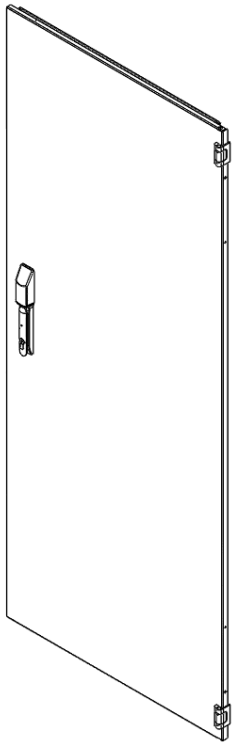
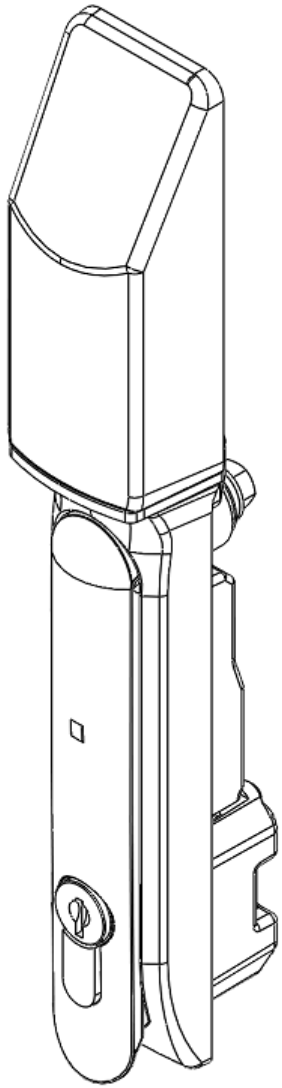
Installation Instructions

RFID 12V ELECTRONIC LOCK KIT

TERAFRAME,
GLOBALFRAME,
N-SERIES,
DOUBLE PERFORATED,
SINGLE SOLID WITH GASKETS

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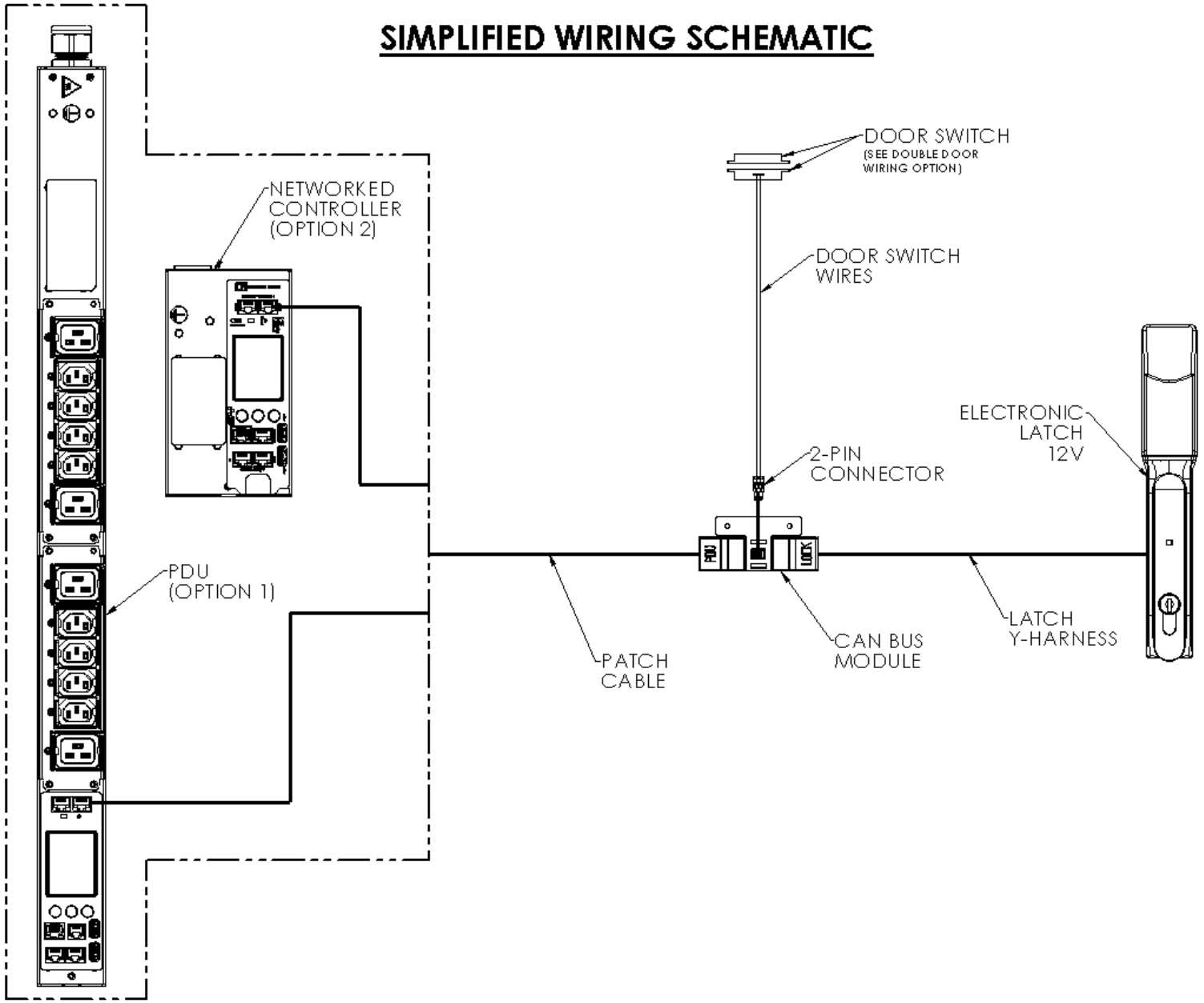
RFID 12V ELECTRONIC LOCK KIT

025-907002-006	CLIP,CBL,ADH,BK
025-908040-009	BUSH,.437ID MAX,.125 PNL
020-736643-001	SNAP,EXTRUSION,BK
020-736655-701	BRKT,DOOR SW,MNTG
025-907011-161	LATCH ASSEMBLY,12V
025-907011-162	CAN BUS MODULE ASSEMBLY,12V
025-907011-163	READER,MODULAR,UID,DUAL FREQUENCY
025-907011-139	Y-HARNESS,24 GAUGE,2 METERS,BLACK
025-907011-141	PATCH CABLE,3 METERS,BLACK
025-907011-143	DOOR SWITCH KIT,BLACK
025-902027-001	SCR,4-40X1/4,CRPH,TAPTITE,STL,ZN

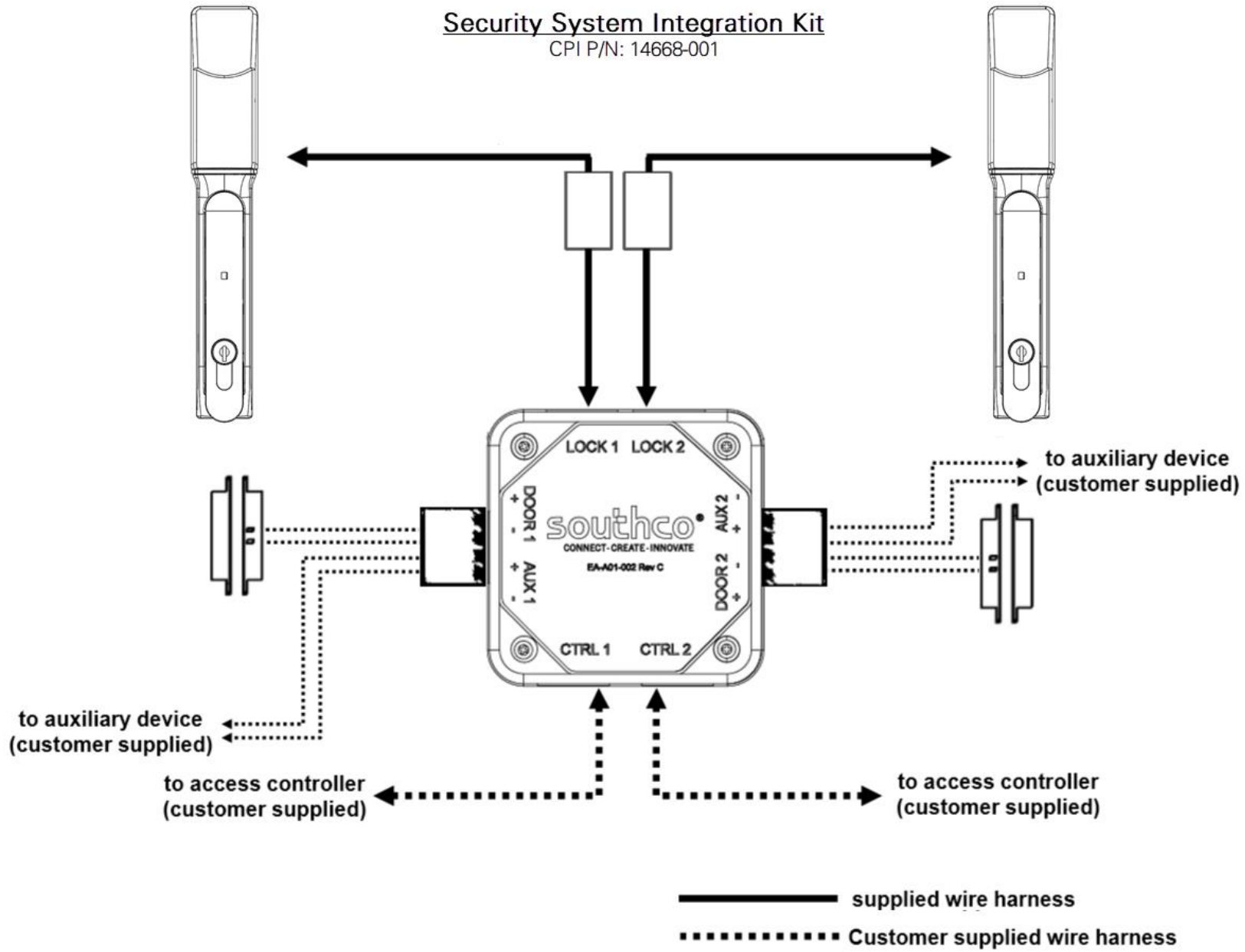
020-736643-001	SNAP,EXTRUSION,BK
020-739111-001	PLUG,SLIDE,AIR DAM,CC
025-908008-027	SLVG,WRAP-ARND,BRD,1/2",12"L
025-908018-002	CABLE TIE MOUNT,4-WAY,0.75" SQ.,BK
025-908012-006	CABLE TIE,STD,4",NYLON,UL,BK

RFID 12V ELECTRONIC LOCK KIT

SIMPLIFIED WIRING SCHEMATIC



RFID 12V ELECTRONIC LOCK KIT

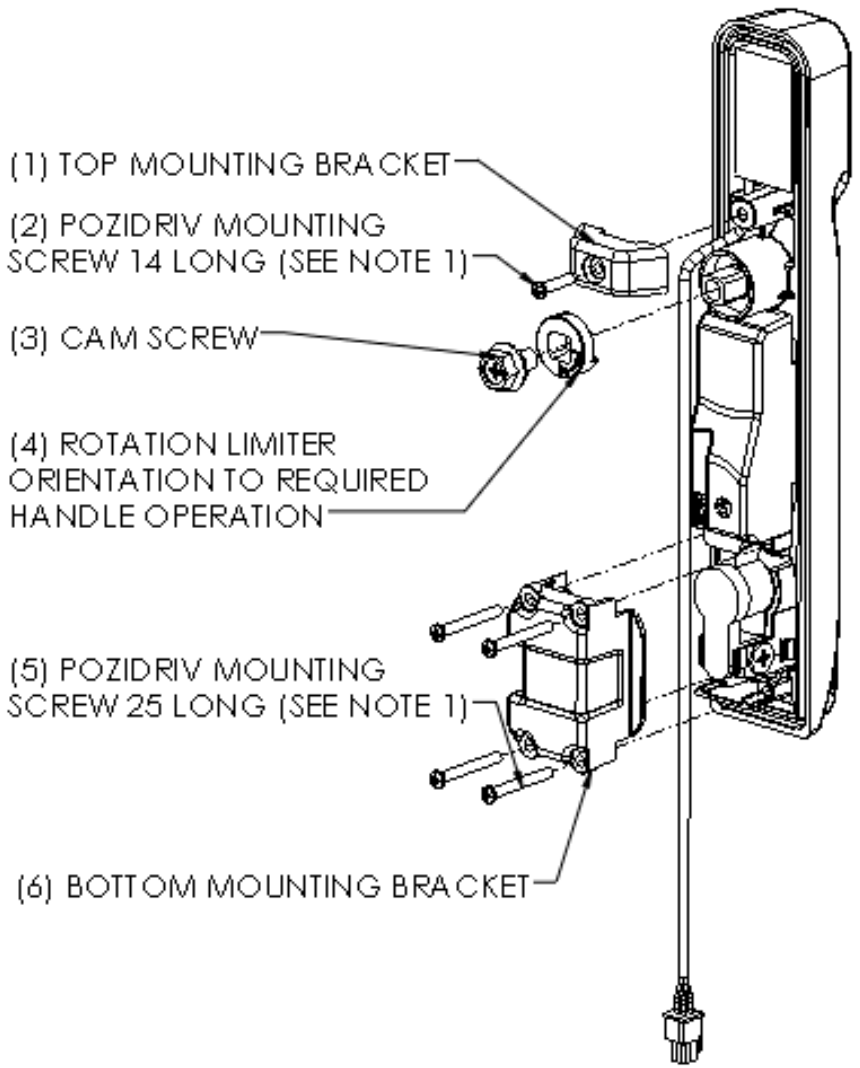


RFID 12V ELECTRONIC LOCK KIT

ASSEMBLY SEQUENCE

(See different door styles for proper installation).

1. **Mount latch to door**
2. **Mount magnet to door**
3. **Mount CAN bus module to frame/door**
4. **Mount switch to frame**
5. **Route wire between latch and CAN bus module**
6. **Route wires between switch and CAN bus module**
7. **Route wire between CANbus and PDU/ Networked RFID Controller.**



1. MOUNT LATCH TO DOOR

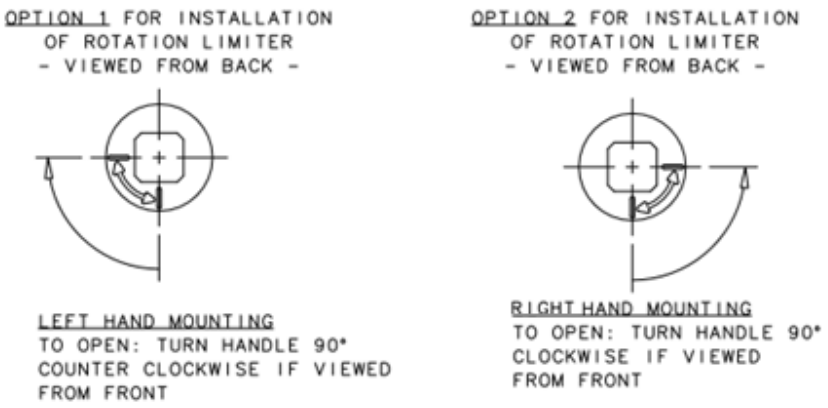
1. Remove existing latch and latch components. (the locking components must be reassembled onto the RFID latch)
2. Insert RFID latch into door.
3. Place the top mounting bracket (1) and the bottom mounting bracket (6) over the latch.

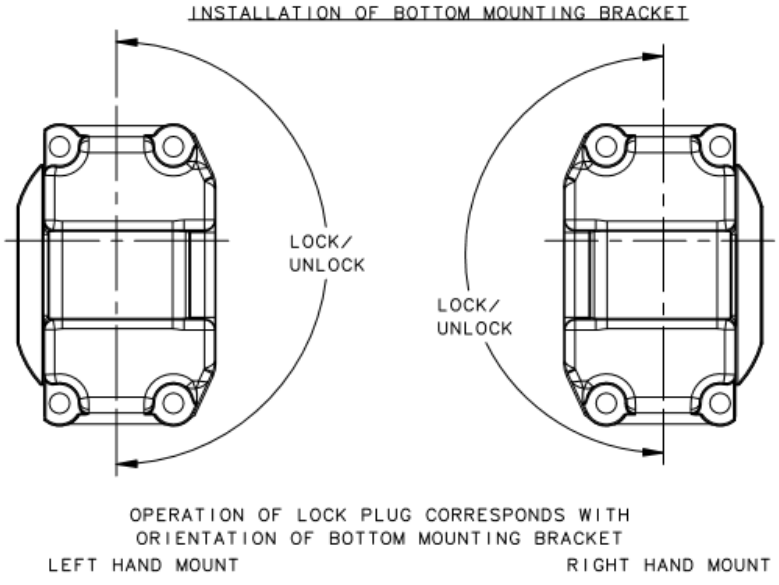
1. USE #1 POZIDRIV DRIVER WHEN INSTALLING MOUNTING SCREWS

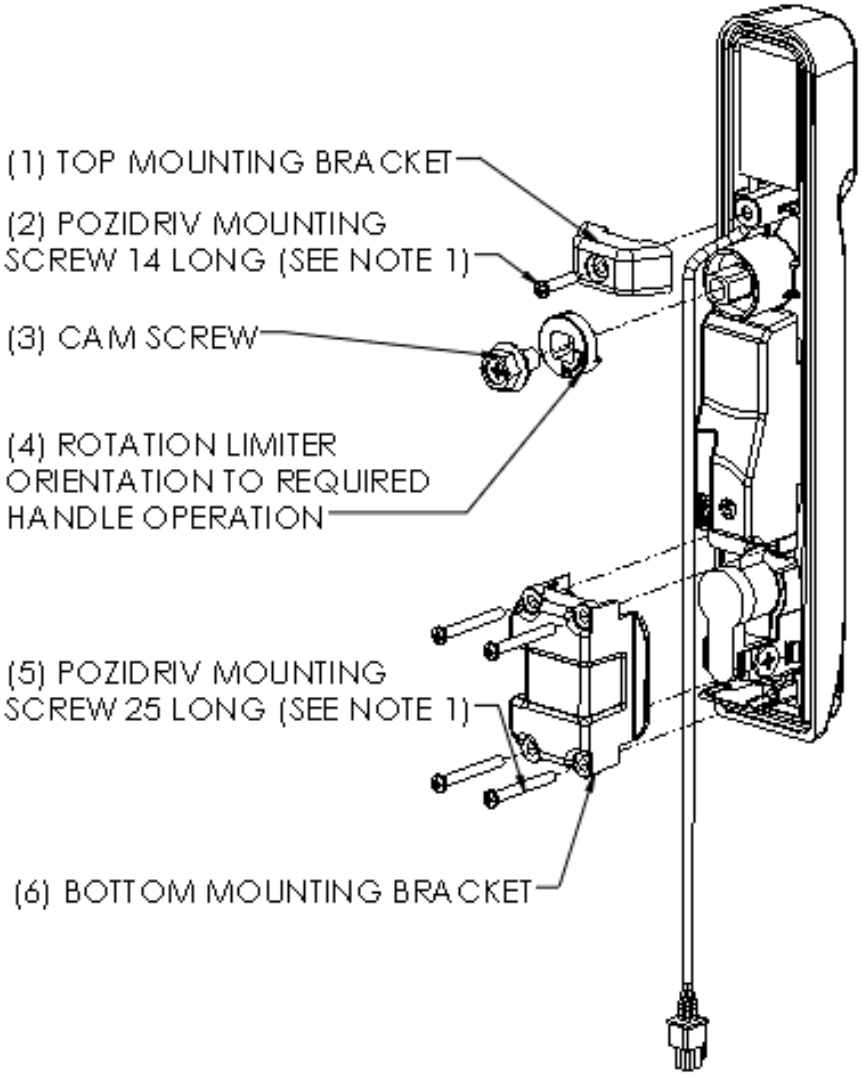
RFID 12V ELECTRONIC LOCK KIT

1. MOUNT LATCH TO DOOR

4. Orient the rotation limiter (4) and bottom mounting bracket (6) as needed.







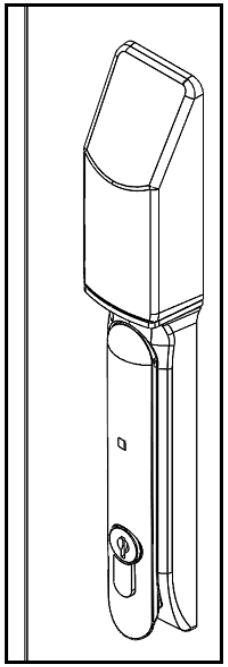
1. USE #1 POZIDRIV DRIVER WHEN INSTALLING MOUNTING SCREWS

RFID 12V ELECTRONIC LOCK KIT

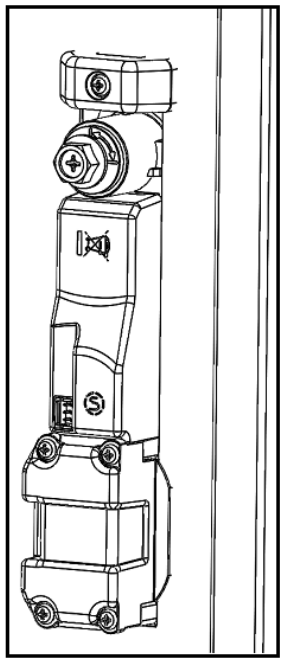
1. MOUNT LATCH TO DOOR

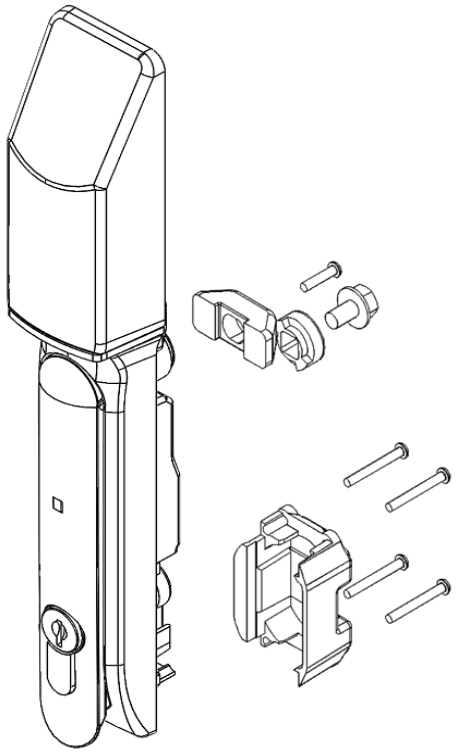
5. Secure top mounting bracket with provided screw (2)
6. Secure bottom mounting bracket with provided screws (5)
7. Re-attach locking components in the same orientation

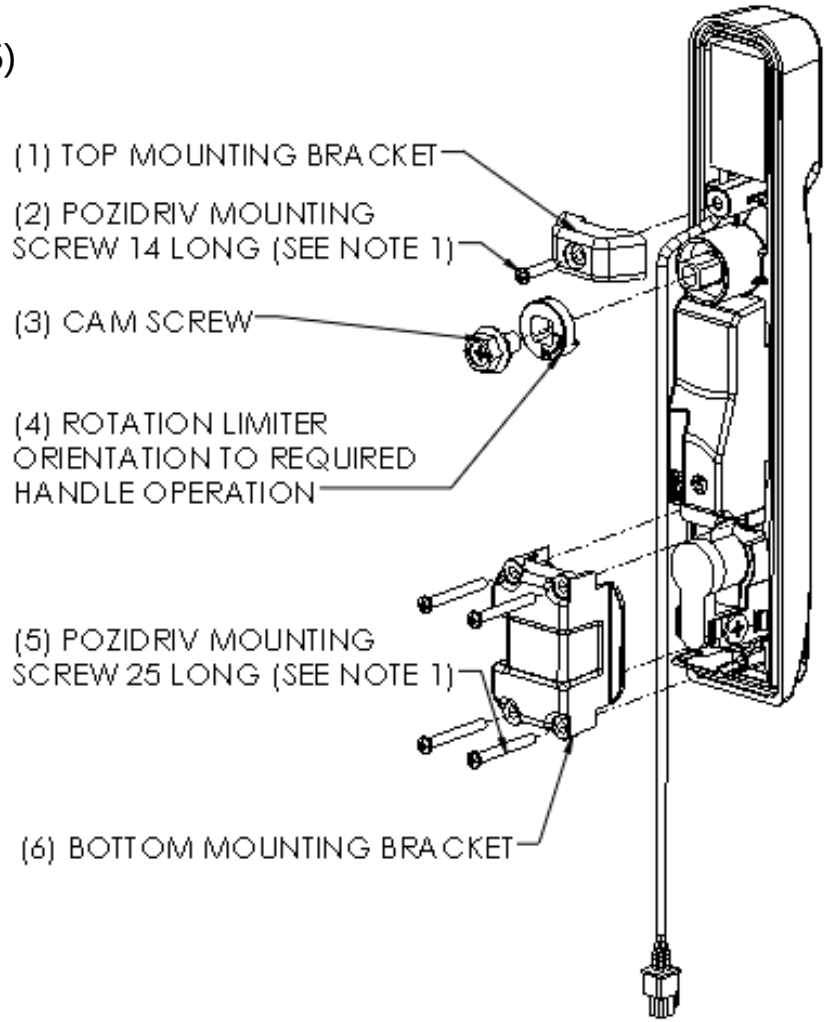
Outside view



Inside view







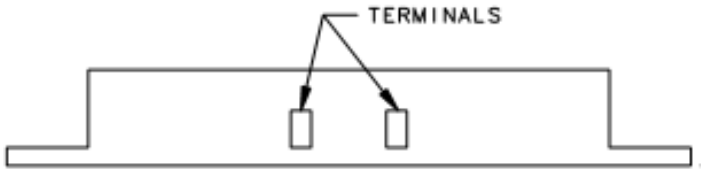
1. USE #1 POZIDRIV DRIVER WHEN INSTALLING MOUNTING SCREWS

RFID 12V ELECTRONIC LOCK KIT

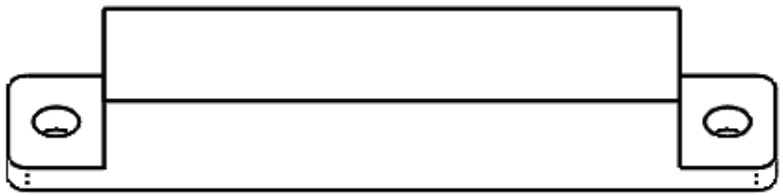
2. MOUNT MAGNET TO DOOR

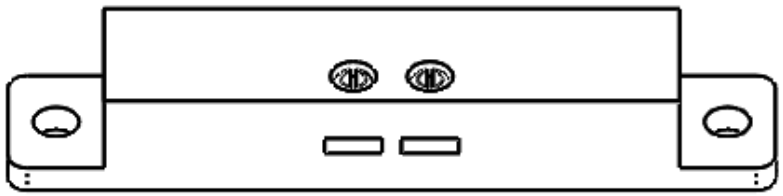
1. Identify differences between sensor parts

MAGNET



SWITCH

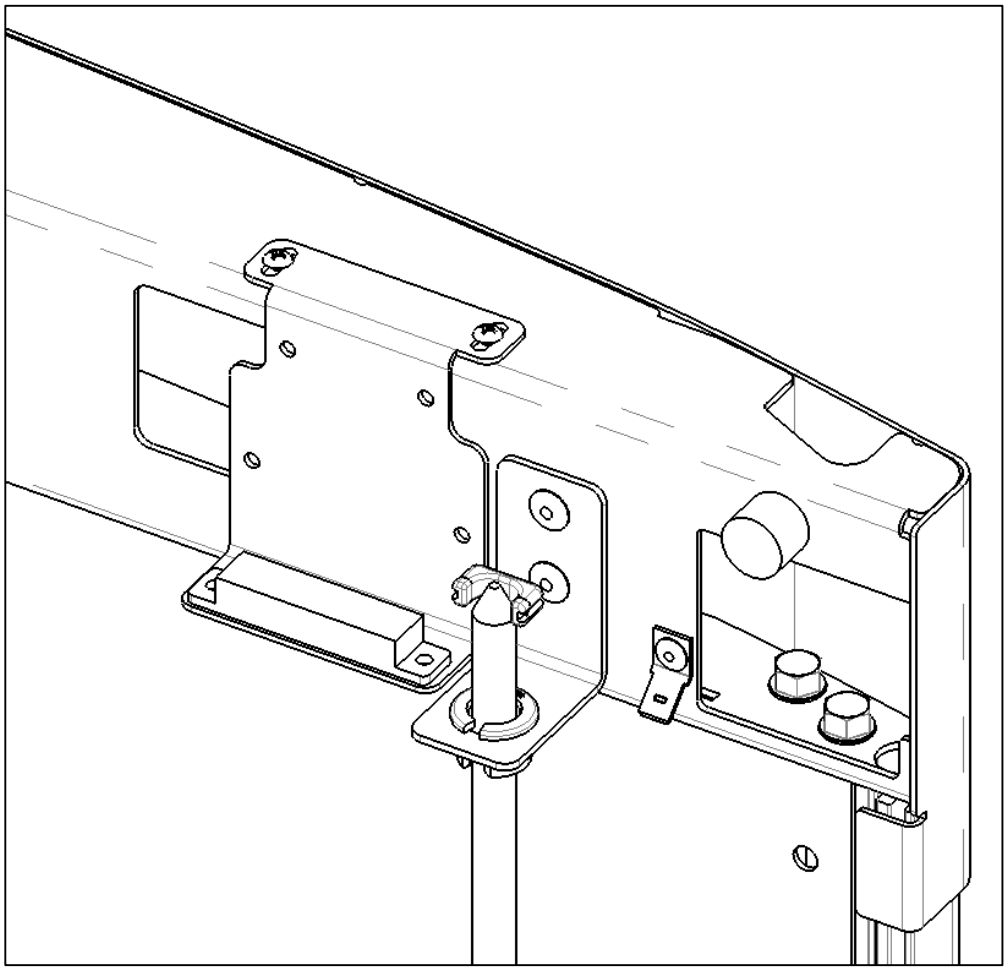




RFID 12V ELECTRONIC LOCK KIT

2. MOUNT MAGNET TO DOOR

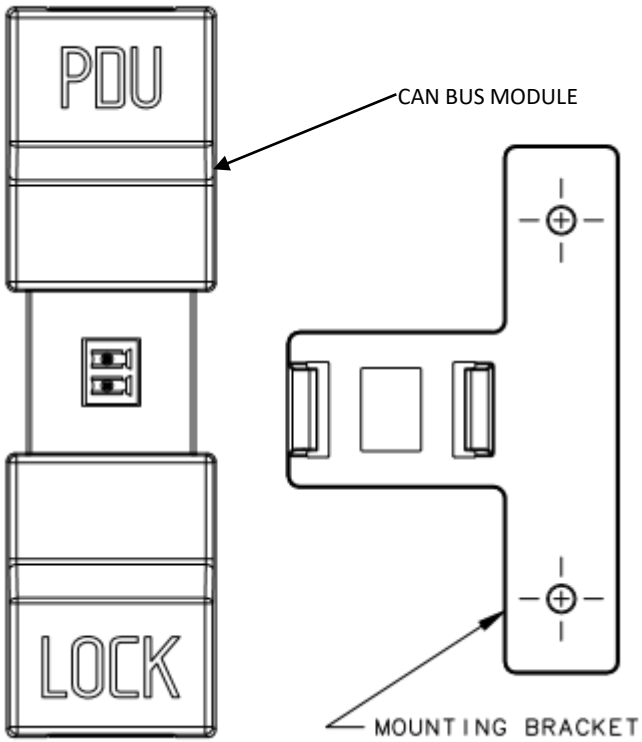
2. Attach bracket to door, latch side, with #4 Taptite screws
3. Attach sensor magnet to bracket with #2 Taptite screws and adhesive (not shown).
    1. Insert first screw
    2. Peel back cover to expose adhesive
    3. Insert second screw

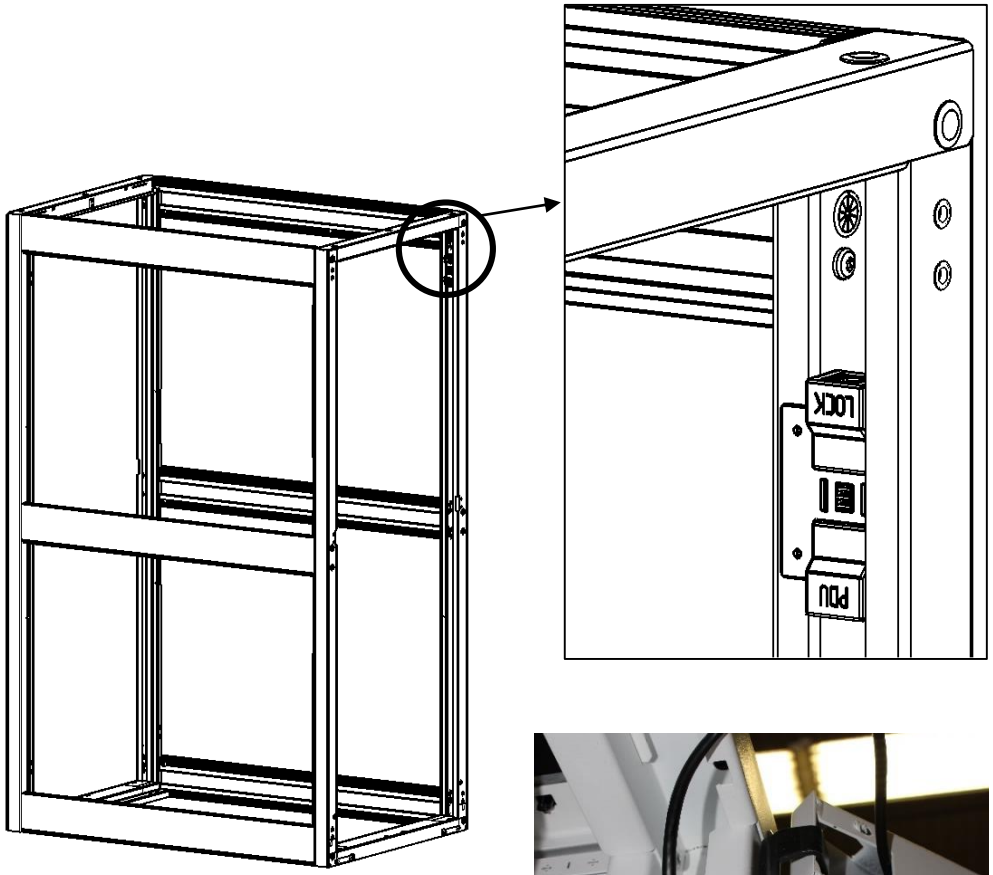


RFID 12V ELECTRONIC LOCK KIT

3. MOUNT CAN BUS TO FRAME (OPTION 1)

1. Line the mounting bracket over the pre-drilled holes on the cabinet frame
2. Attach the bracket to the frame, using the #4 screws
3. Place the module behind the bracket
4. Push together until it snaps into place

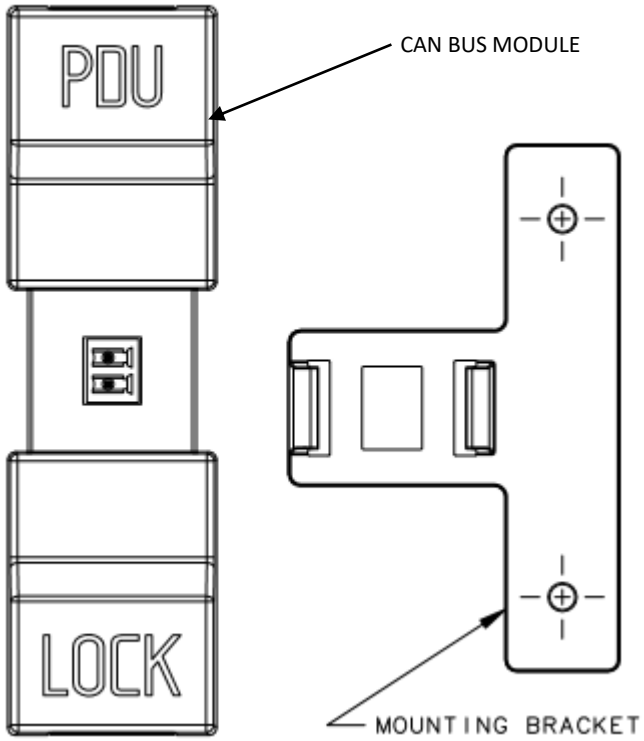


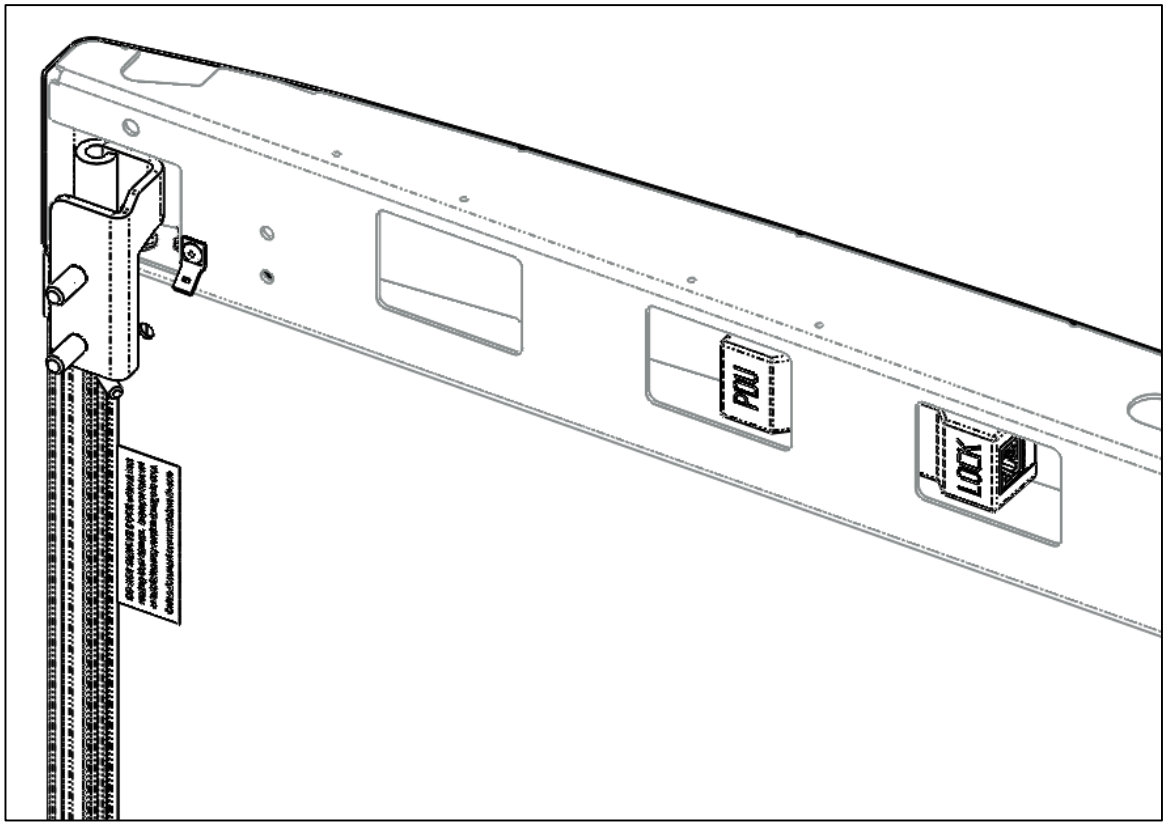


RFID 12V ELECTRONIC LOCK KIT

3. INSERT CAN BUS INTO DOOR (OPTION 2)

1. If the rails are too far forward to install the module onto the frame, you are able to insert it into the door.
2. Use adhesive strip to mount module inside or leave it unattached.
3. Orient as shown



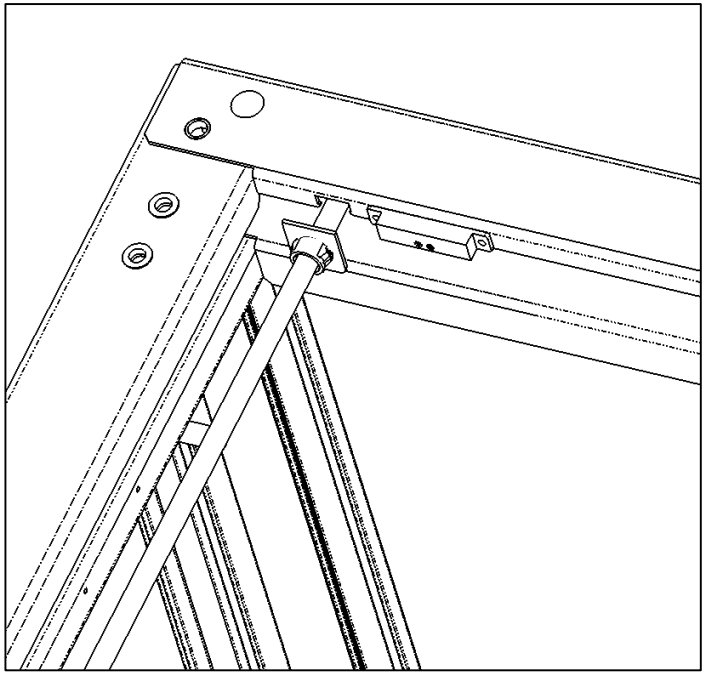


RFID 12V ELECTRONIC LOCK KIT

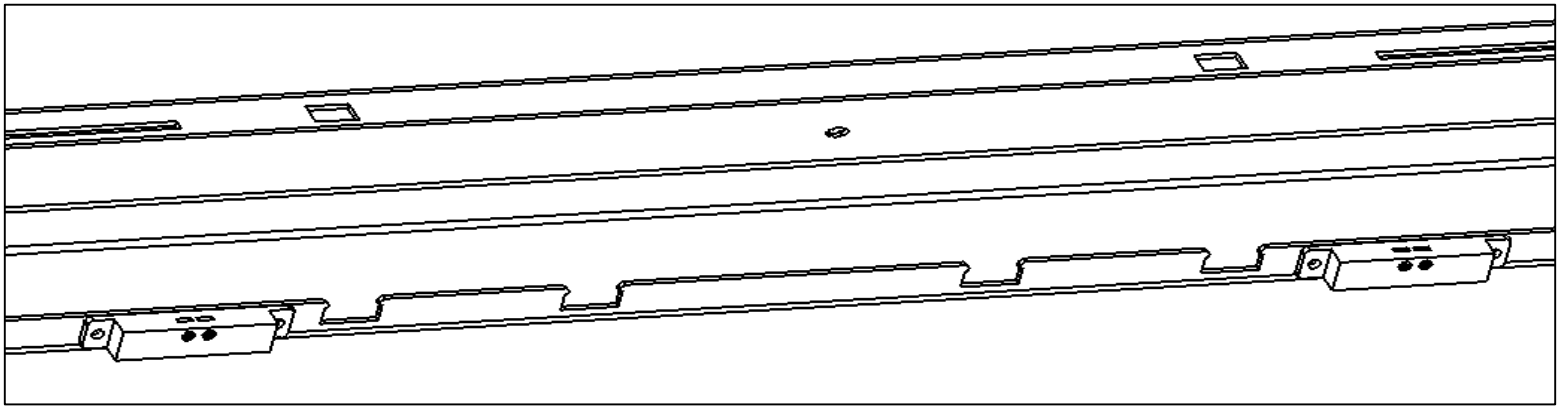
4. MOUNT SWITCH TO FRAME

1. Attach sensor switch to frame with #2 Taptite screws and adhesive (not shown).
2. Insert first screw into pre-drilled hole
3. Peel back cover to expose adhesive
4. Insert second screw into pre-drilled hole

For Single door

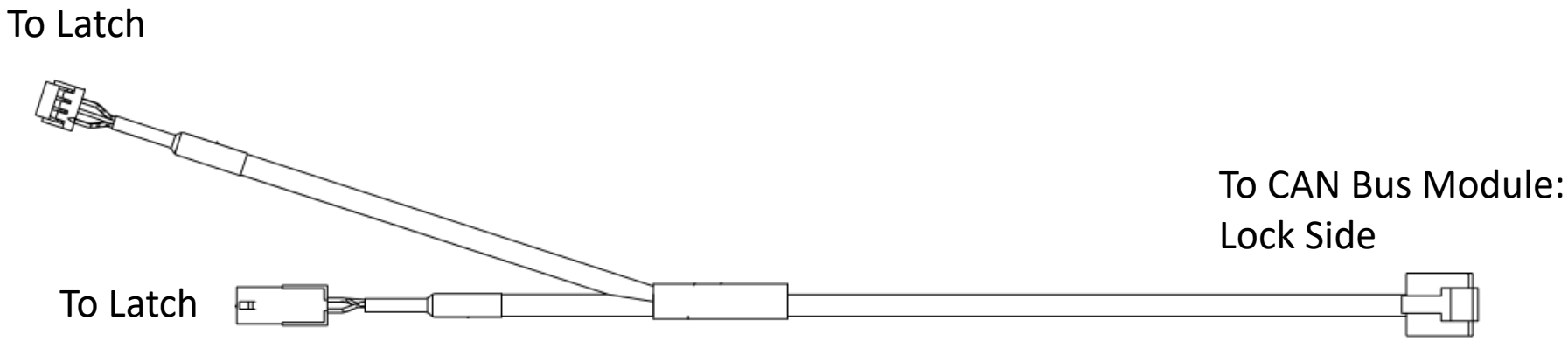


For Double doors



RFID 12V ELECTRONIC LOCK KIT

5. ROUTE WIRES BETWEEN LATCH & CAN BUS MODULE

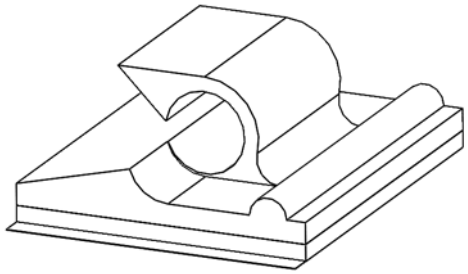


RFID 12V ELECTRONIC LOCK KIT

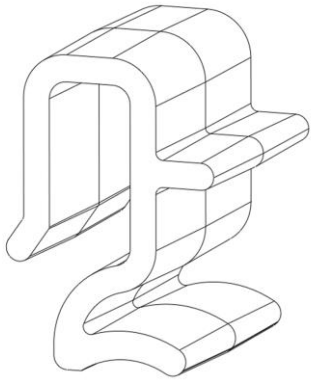
5. ROUTE WIRES BETWEEN LATCH & CAN BUS

1. Use wire clips to run cable over the latch plate and into extrusion as shown
2. Use extrusion clips to push cable into extrusion (Teraframe and N-series only)
3. Direct cable into and out of door frame

WIRE CLIP W/ ADHESIVE



Extrusion Clip



Into door

Out of door

RFID 12V ELECTRONIC LOCK KIT

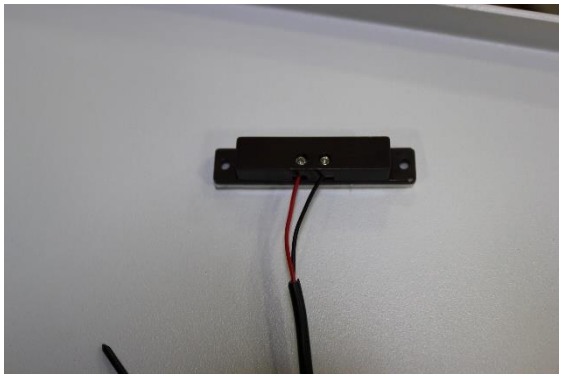
5. ROUTE WIRES BETWEEN LATCH & CAN BUS

4. After mounting the door, plug the lock cable into the "*Lock*" side of the CAN Bus Module.
5. Use wire clips to guide cable around frame, avoiding pinch points.
6. Check and confirm that there is enough slack to allow the door to open and close fully.
7. After slack confirmation, add provided wrap around braided sleeve for wire protection.
8. Secure sleeve with 4-way tie mounts and tie wraps.

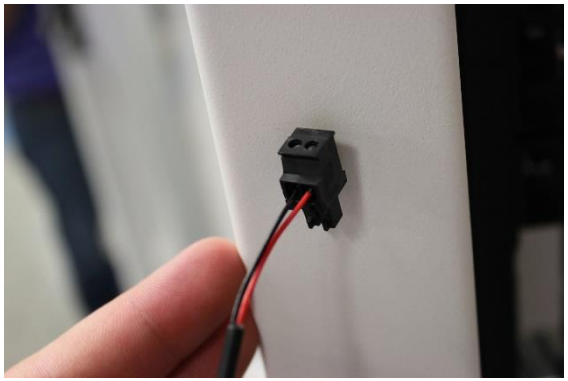
RFID 12V ELECTRONIC LOCK KIT

6. ROUTE WIRES BETWEEN SWITCH & CAN BUS

1. Insert wires into sensor switch
2. Route wire inside door frame using wire clips
3. Plug other end into CAN Bus Module –
   (Check and confirm that there is enough slack to allow the door to fully open and close.)

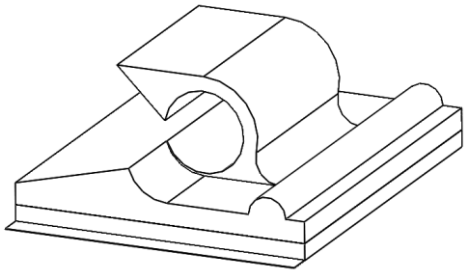


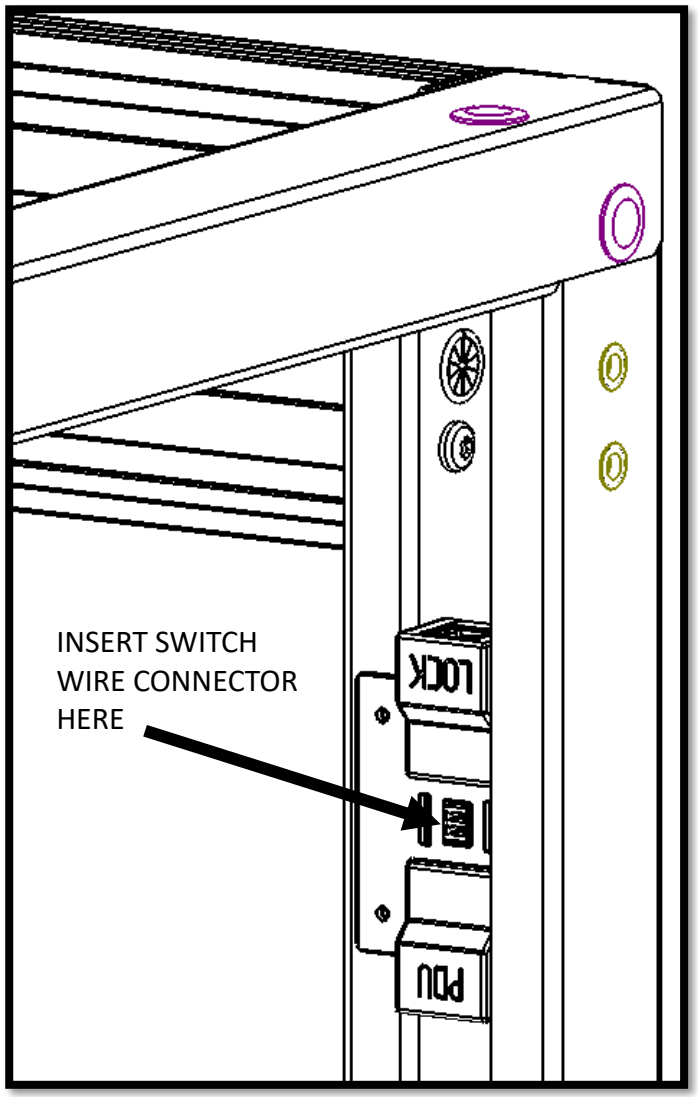
SWITCH WITH WIRES CONNECTED



SWITCH WIRE CONNECTOR

WIRE CLIP W/ ADHESIVE





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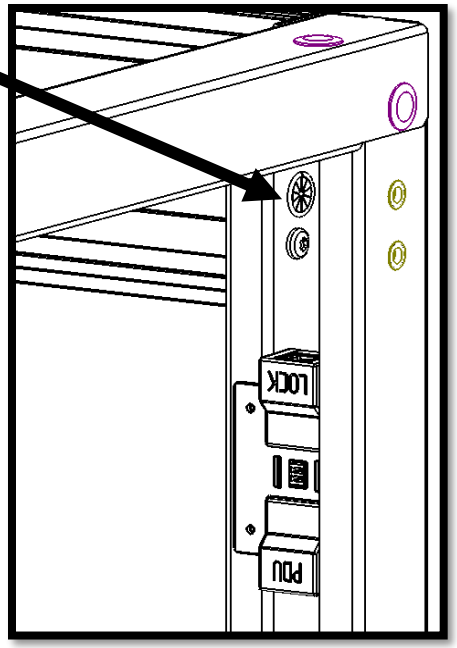
RFID 12V ELECTRONIC LOCK KIT

7. ROUTE WIRES BETWEEN CAN BUS MODULE & PDU or Networked RFID Controller

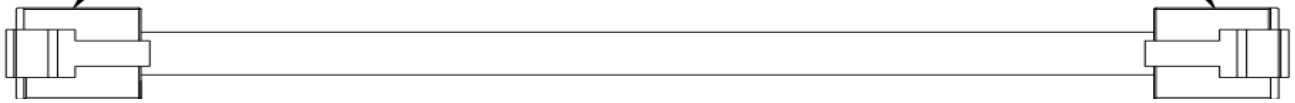
1. Plug one end RJ45 cable into *"PDU"* side of CAN Bus Module
2. Route the cable with RJ45 connector through grommets (shown below)
3. Plug into PDU/Networked RFID Controller.
   - Aux 1 is for the rear door switch/latch
   - Aux 2 is for the front door switch/latch

GROMMET (ROUTE WIRE FROM CAN BUS MODULE TO PDU/ Networked RFID Controller)



RJ45

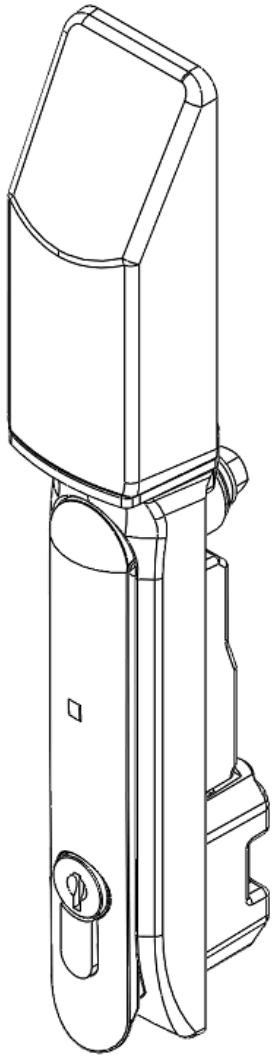
RJ45

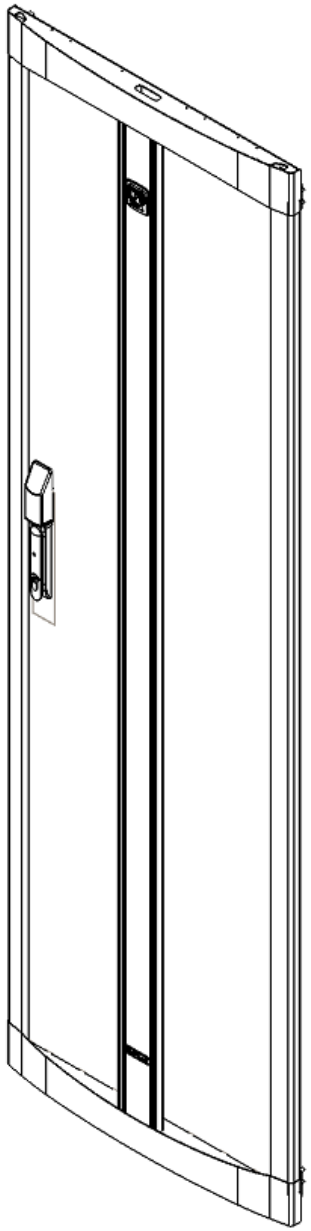


To CAN Bus Module *"PDU"* side

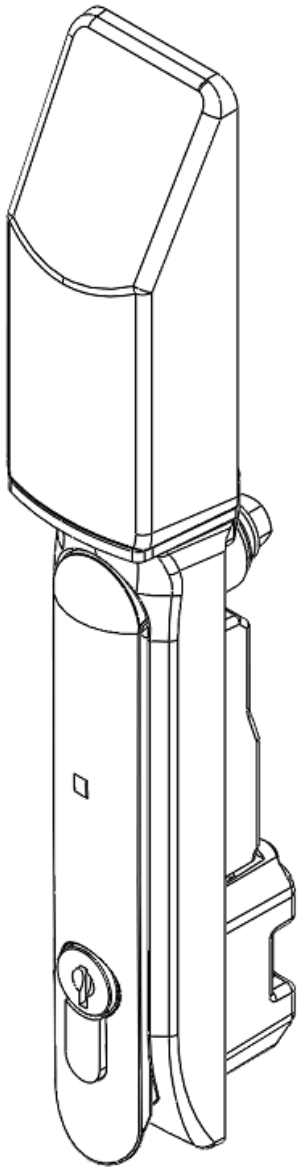
To Aux 1/2

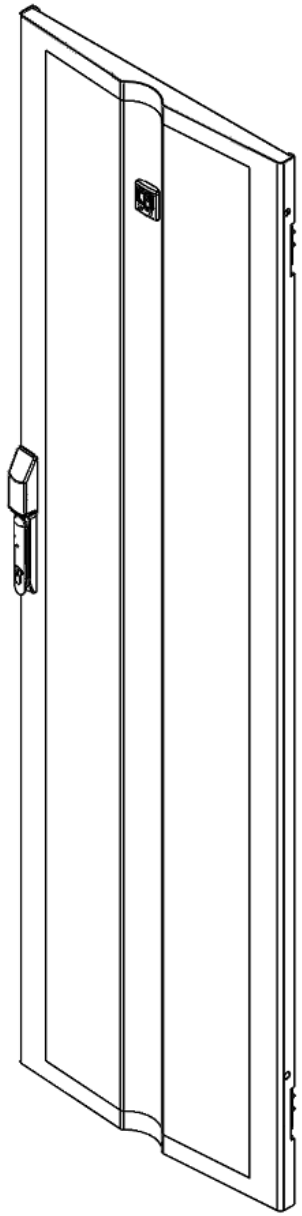
RFID 12V ELECTRONIC LOCK KIT – TERAFRAME FRONT DOOR





RFID 12V ELECTRONIC LOCK KIT – GLOBALFRAME FRONT DOOR

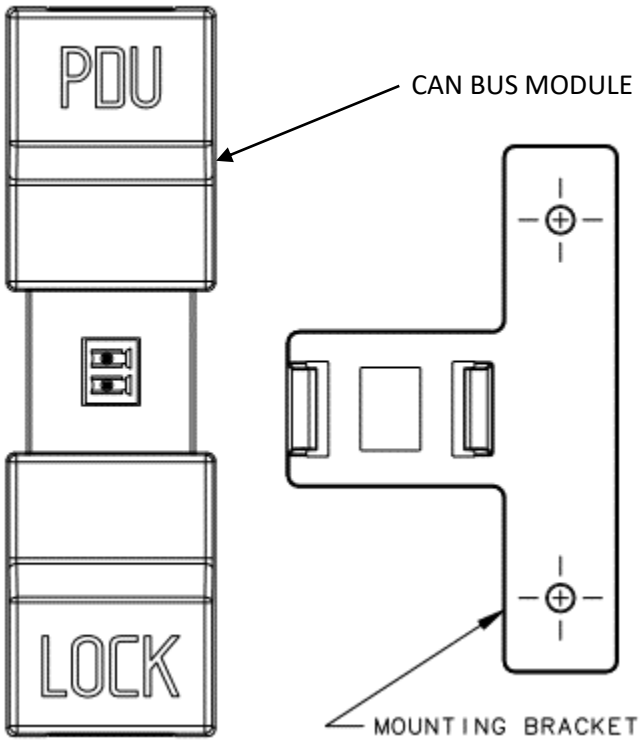


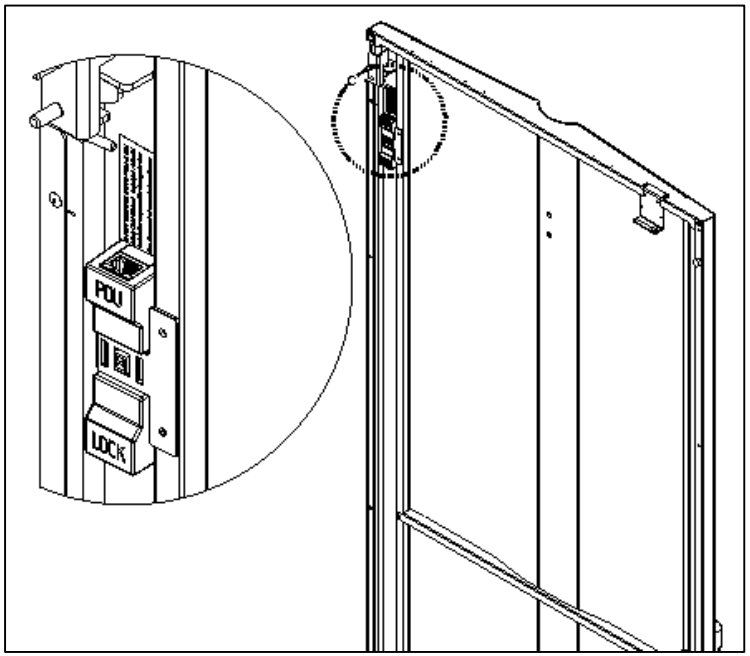


RFID 12V ELECTRONIC LOCK KIT – GLOBALFRAME FRONT DOOR

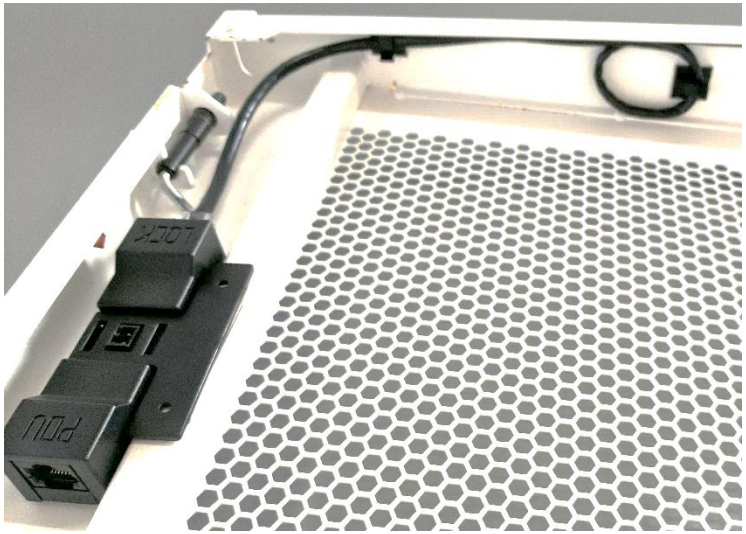
3. MOUNT CAN BUS TO FRAME (Globalframe)

1. Line the drill template over the door stiffener.
2. Use a #44 bit to drill a .086” hole through template.
3. Use #4 screws to attach the bracket to the door.
4. Place the module behind the bracket.
5. Push and hear it click into place.
6. If a drill or bit is unavailable, you can mount the module with double sided tape.
7. Place the mounting bracket so that the top edge is 6 inches down along the stiffener.





Inside View

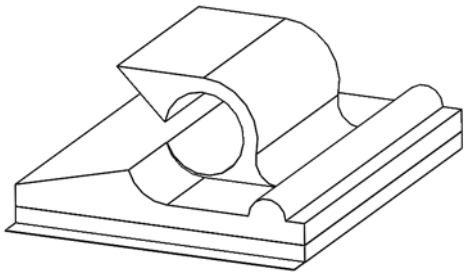


RFID 12V ELECTRONIC LOCK KIT – GLOBALFRAME FRONT DOOR

5. ROUTE WIRES BETWEEN LATCH & CAN BUS

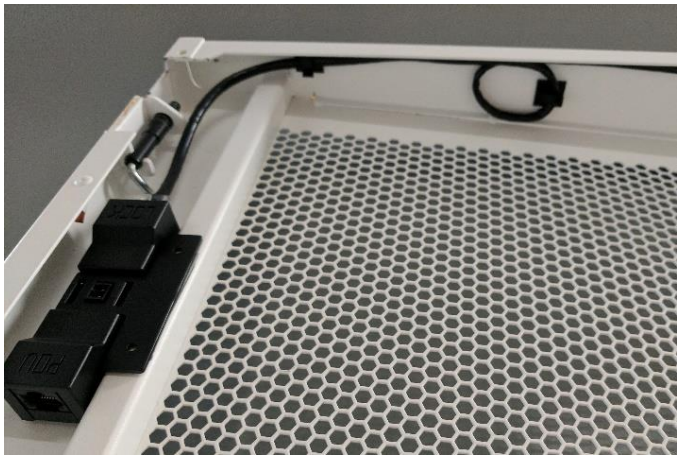
1. Use wire clips to run cable around the frame edge

WIRE CLIP W/
ADHESIVE

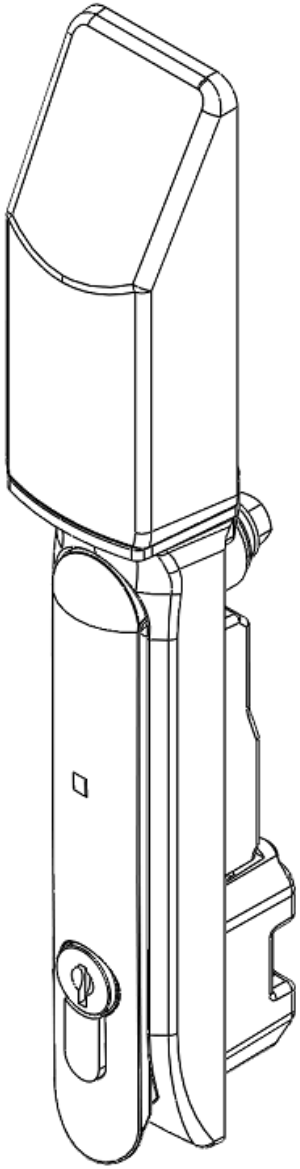


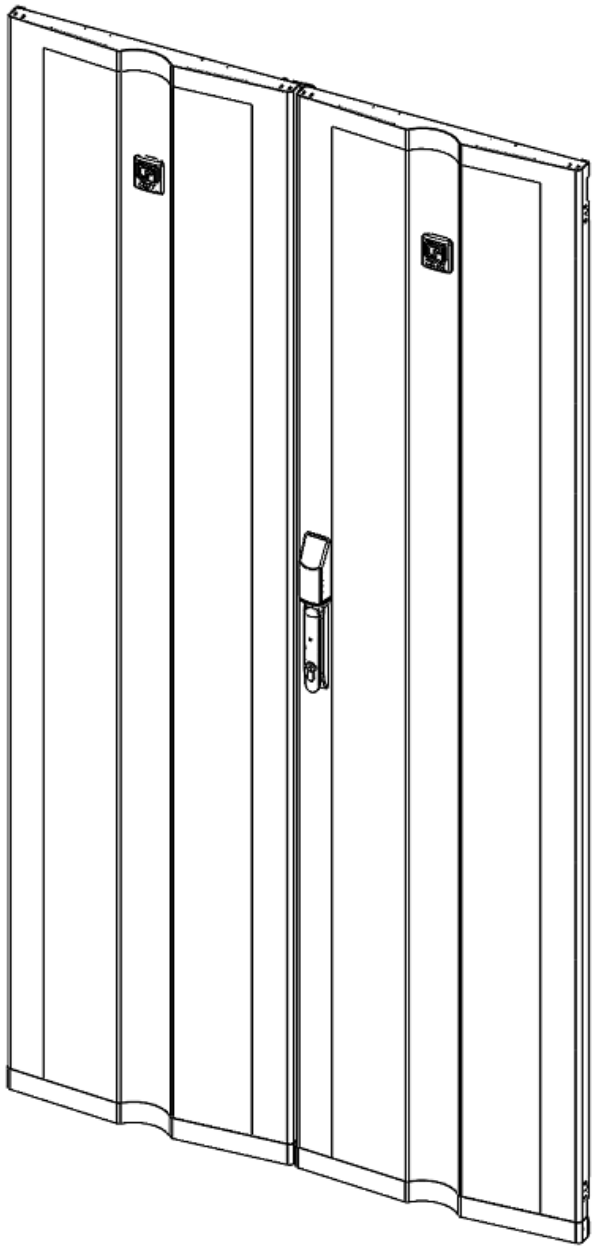
Into

Out of



RFID 12V ELECTRONIC LOCK KIT – N-SERIES FRONT DOOR

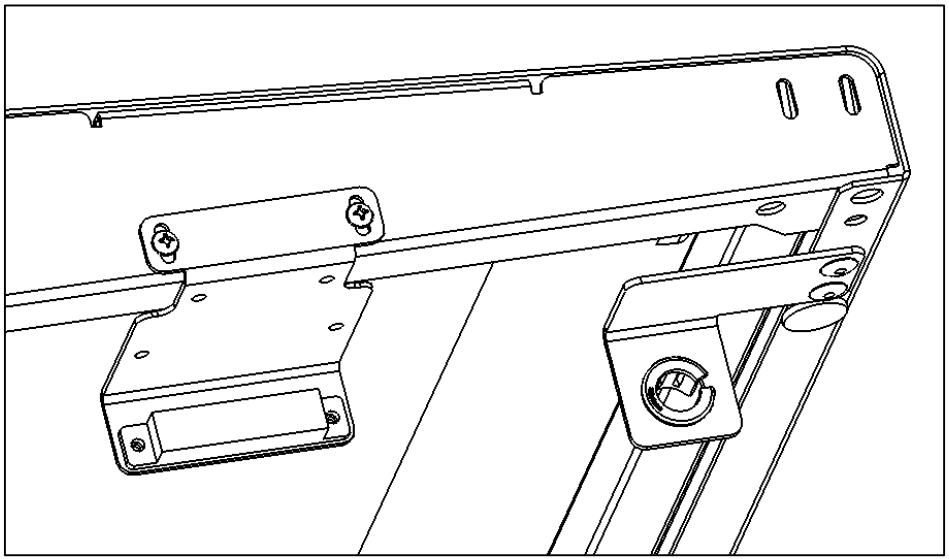


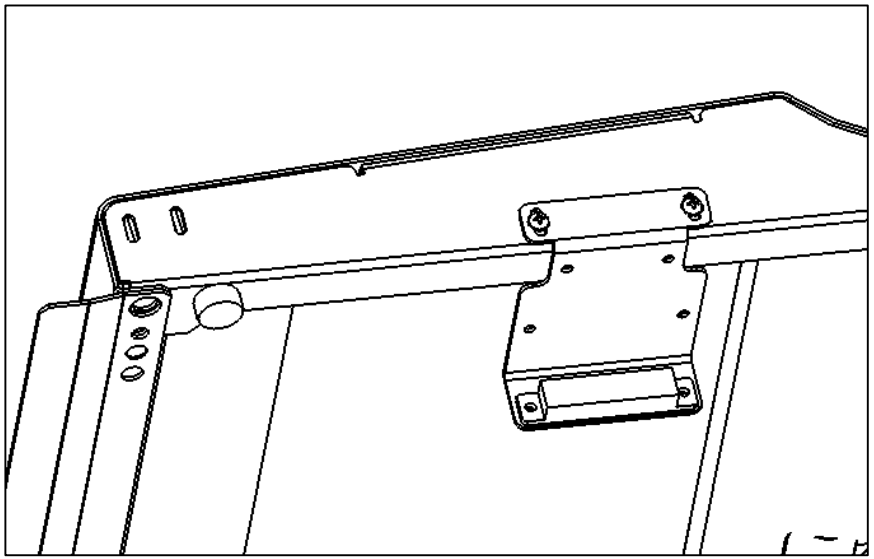


RFID 12V ELECTRONIC LOCK KIT – N-SERIES FRONT DOOR

2. MOUNT MAGNET TO DOOR

2. Attach bracket to door, latch side, with #4 Taptite screws
3. Attach sensor magnet to bracket with #2 Taptite screws and adhesive (not shown).
   a) Insert first screw
   b) Peel back cover to expose adhesive
   c) Insert second screw

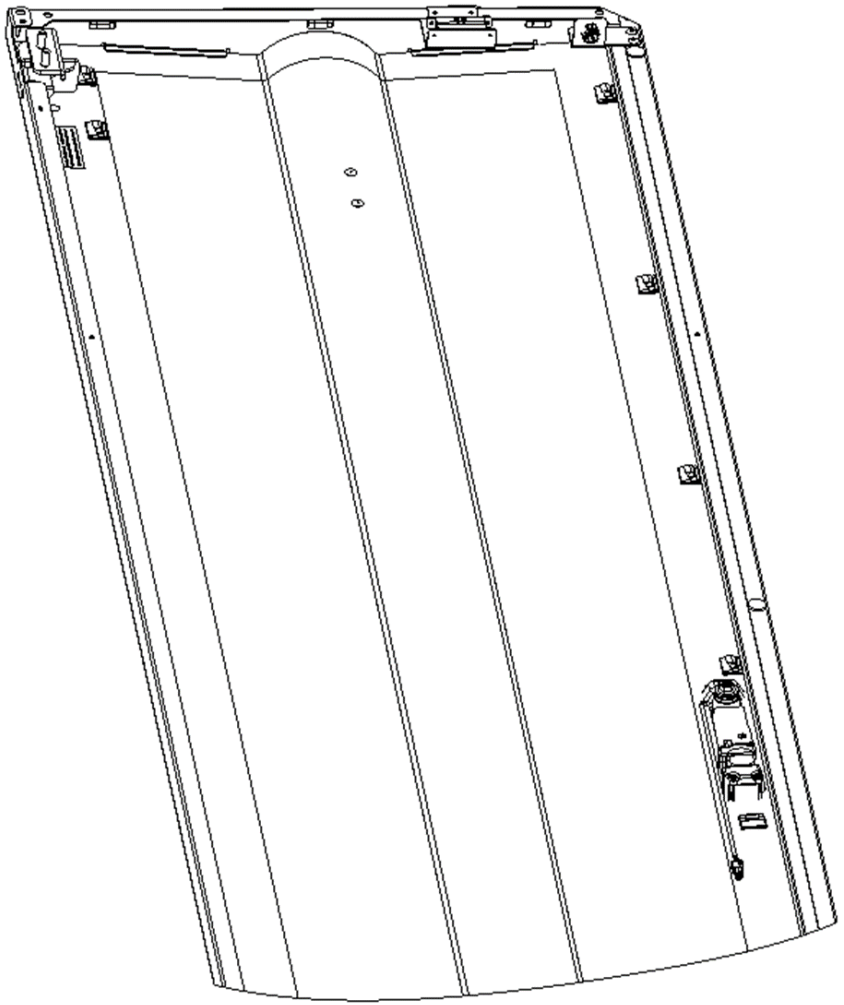


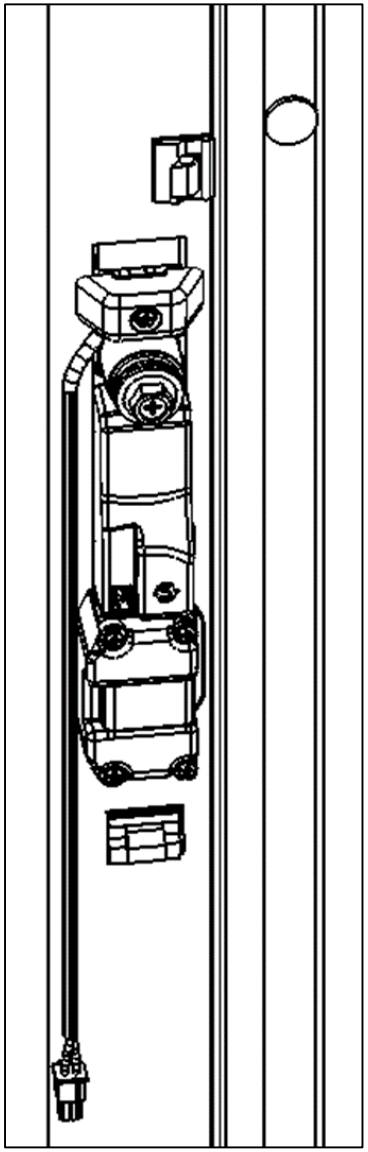


RFID 12V ELECTRONIC LOCK KIT – N-SERIES FRONT DOOR

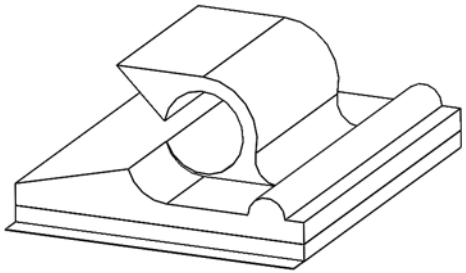
5. ROUTE WIRES BETWEEN LATCH & CAN BUS

1. Use wire clips to run cable inside door frame





WIRE CLIP W/ ADHESIVE



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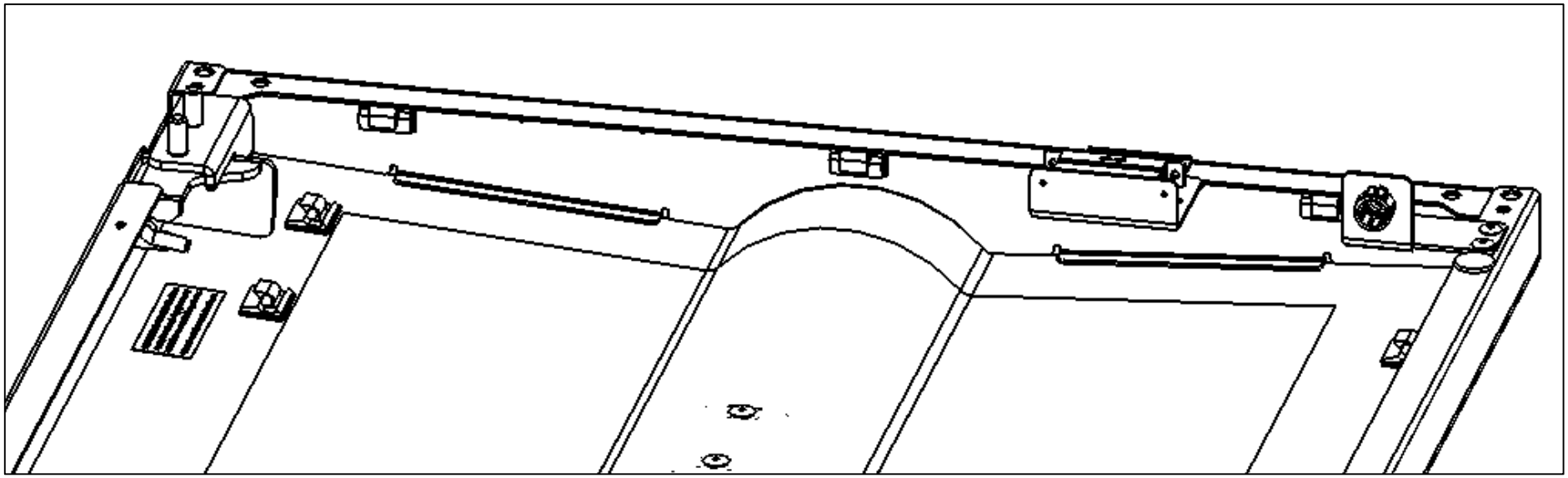
RFID 12V ELECTRONIC LOCK KIT – N-SERIES FRONT DOOR

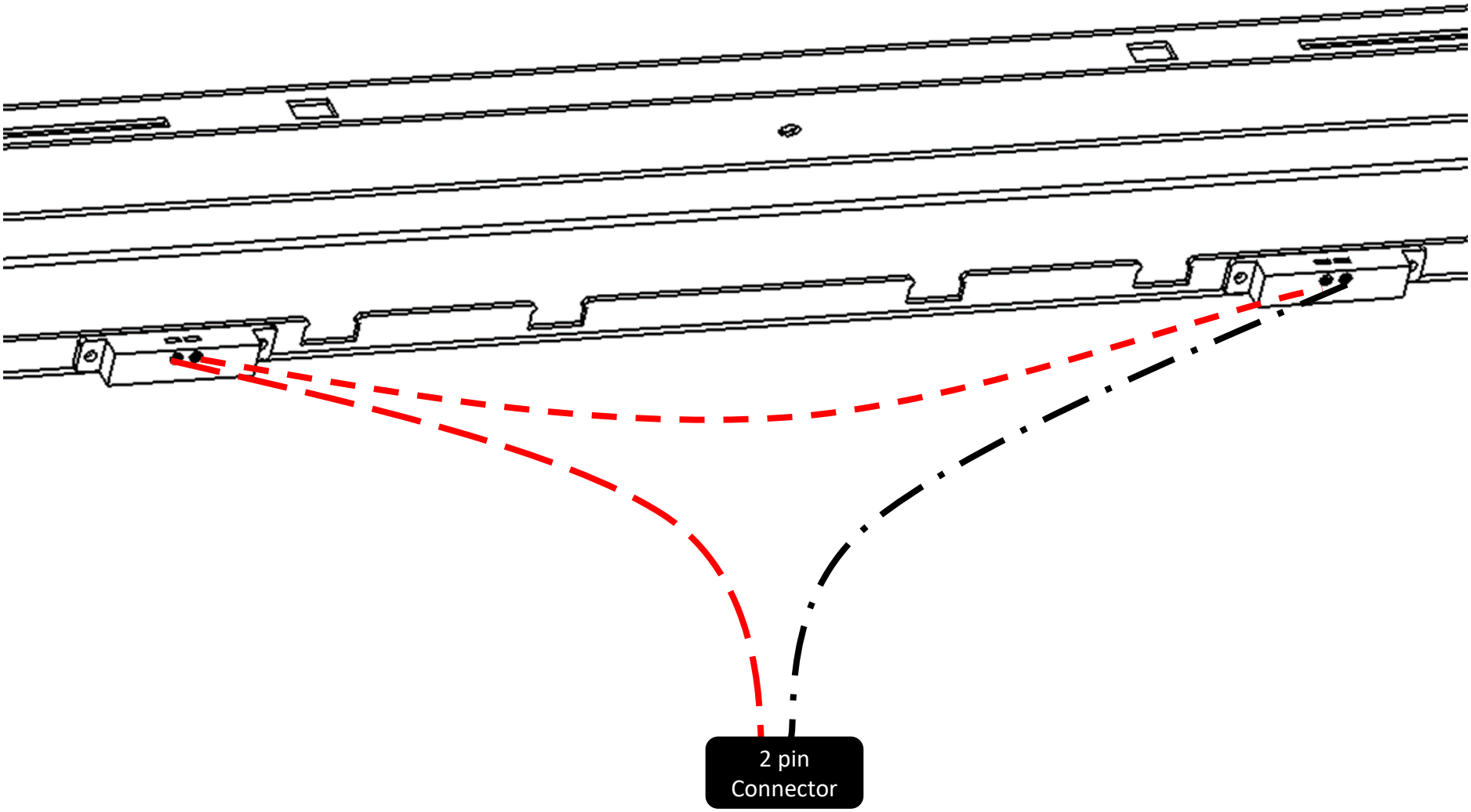
5. ROUTE WIRES BETWEEN LATCH & CAN BUS

2. After mounting the door, plug the lock cable into the *"Lock"* side of the CAN Bus Module
3. Use wire clips to guide cable around frame, avoiding pinch points
4. Check and confirm that there is enough slack to allow the door to open and close fully



RFID 12V ELECTRONIC LOCK KIT – N-SERIES FRONT DOOR

6. ROUTE WIRES BETWEEN SWITCH & CAN BUS (DOUBLE DOOR)



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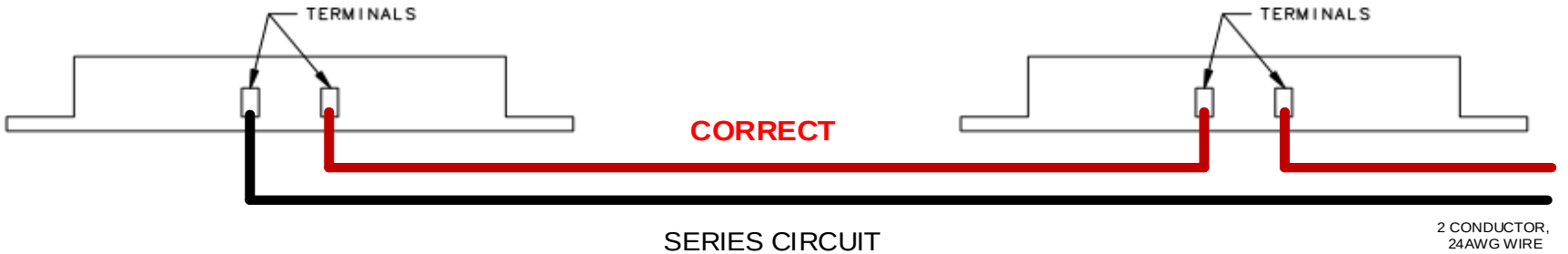
RFID 12V ELECTRONIC LOCK KIT – N-SERIES FRONT DOOR

6. ROUTE WIRES BETWEEN SWITCH & CAN BUS (DOUBLE DOOR)

1. Daisy chain door switches in a series circuit. See correct wiring schematic below.

SIMPLIFIED WIRING SCHEMATIC



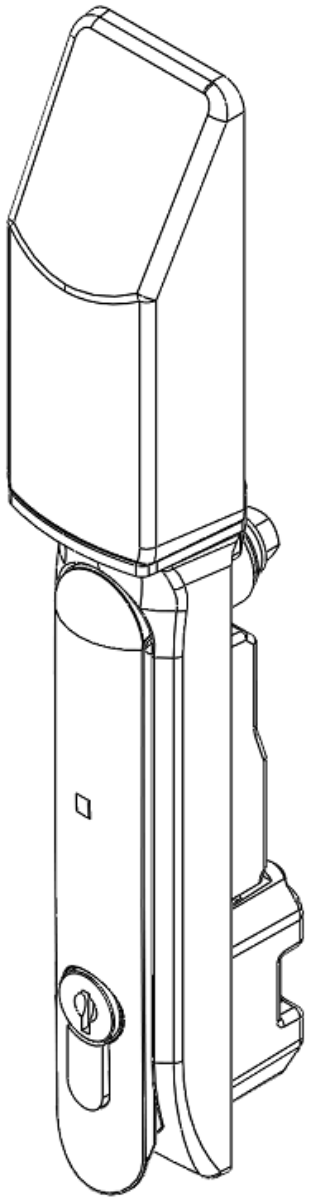
SERIES CIRCUIT

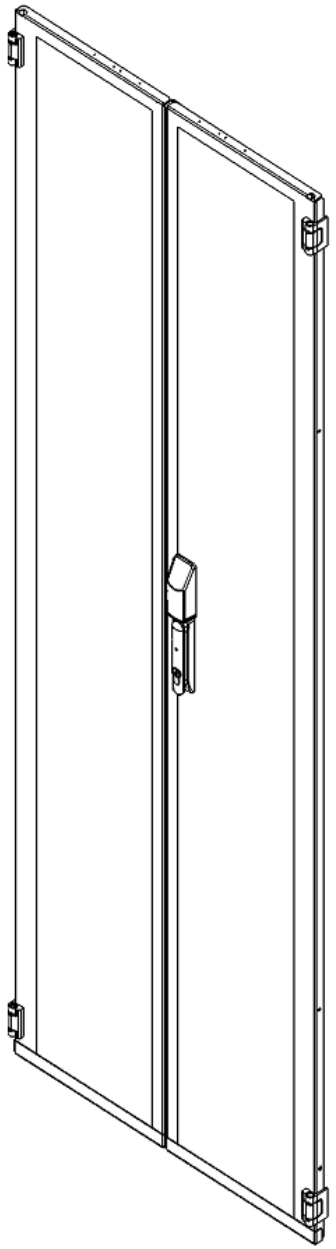
2 CONDUCTOR, 24AWG WIRE

PARALLEL CIRCUIT

2 CONDUCTOR, 24AWG WIRE

RFID 12V ELECTRONIC LOCK KIT – DOUBLE PERFORATED DOOR



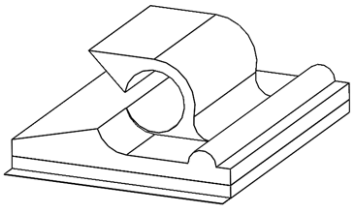


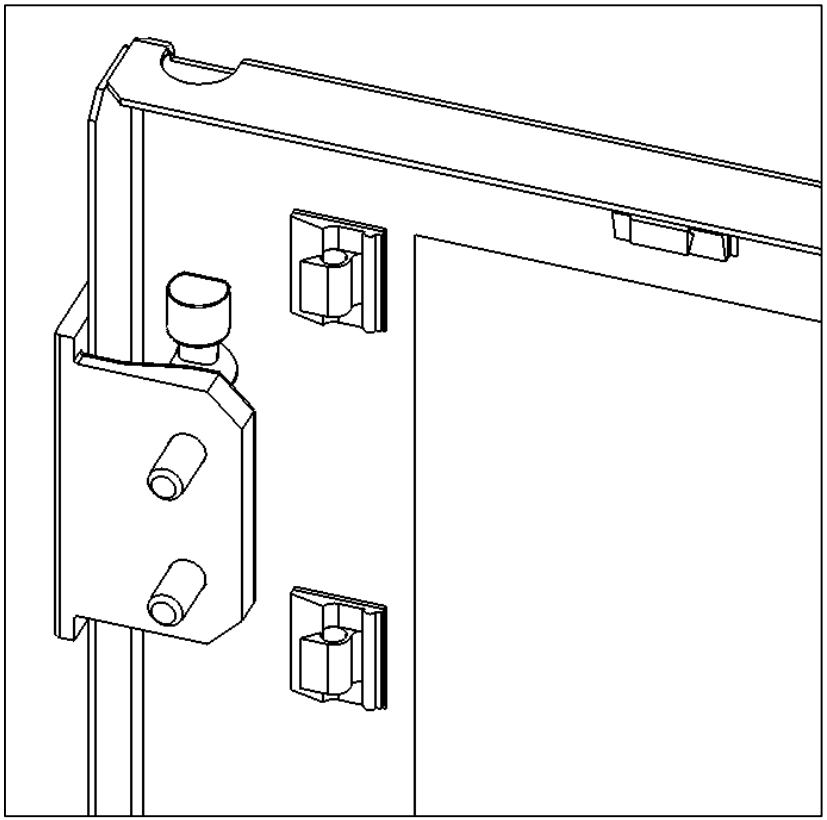
RFID 12V ELECTRONIC LOCK KIT – DOUBLE PERFORATED DOOR

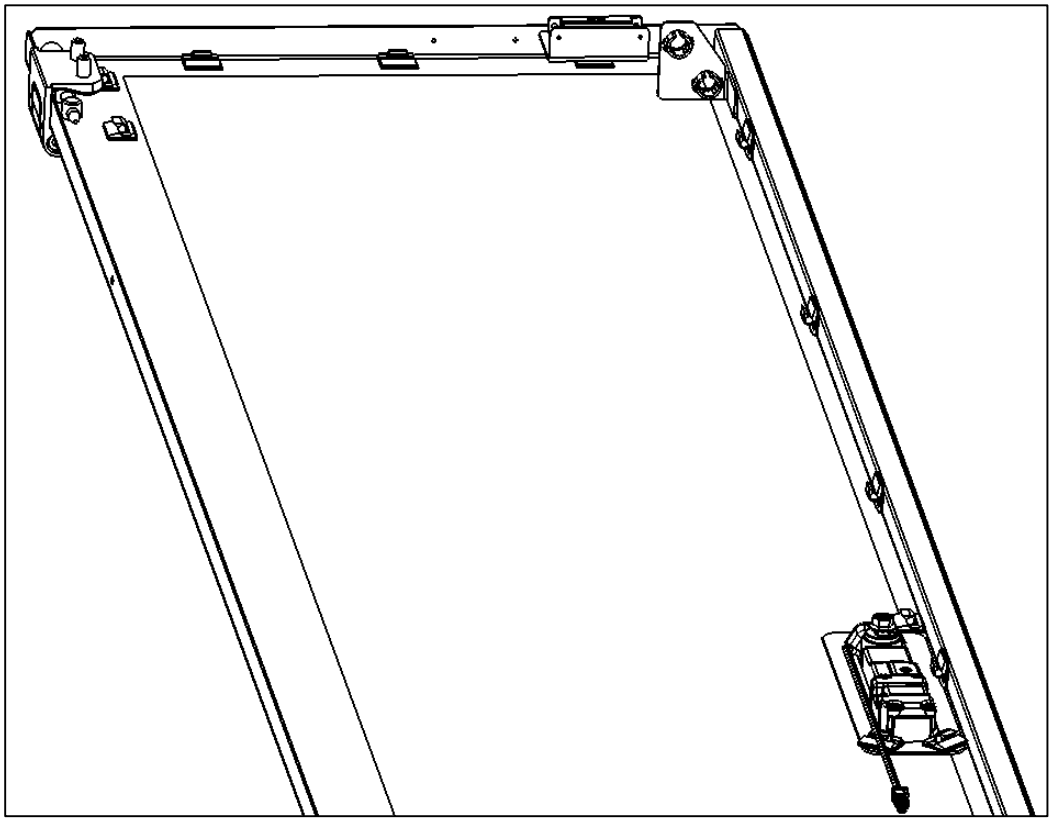
5. ROUTE WIRES BETWEEN LATCH & CAN BUS

1. Run cable through plastic grommet at top of door
2. Use wire clips to run cable below the latch and toward the top of the door
3. Direct cable along the top of the door toward the hinge

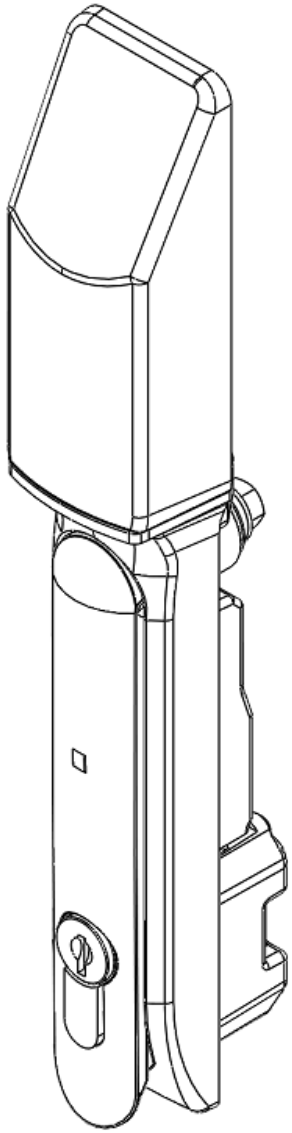
WIRE CLIP W/ ADHESIVE

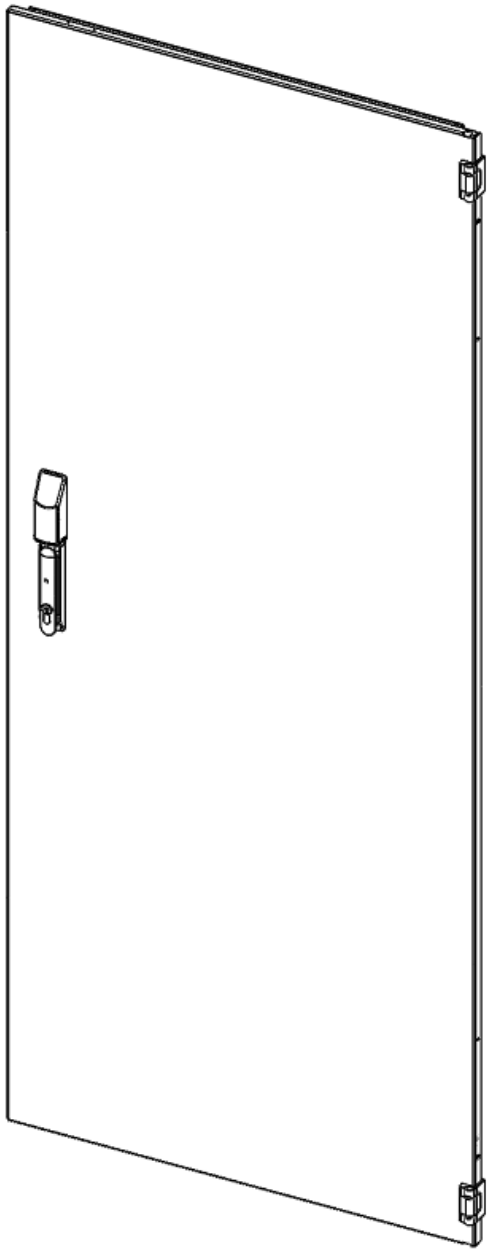






RFID 12V ELECTRONIC LOCK KIT – SINGLE SOLID WITH GASKETS

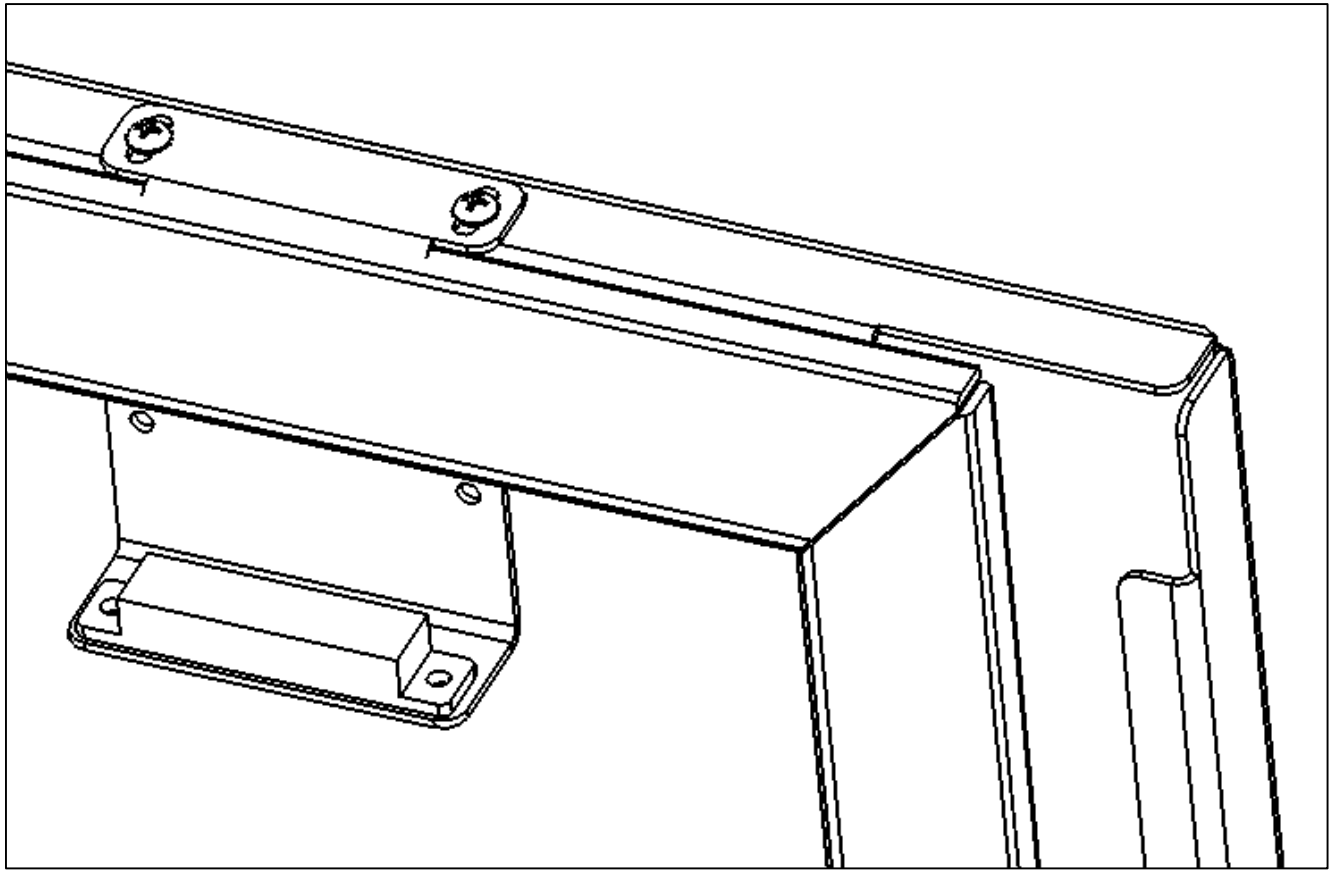




RFID 12V ELECTRONIC LOCK KIT – SINGLE SOLID WITH GASKETS

2. MOUNT MAGNET TO DOOR

2. Attach bracket to door, latch side, with #4 Taptite screws, in position shown.
3. Peel back door gasket, place bracket underneath and re-seal gasket to door
4. Attach sensor magnet to bracket with #2 Taptite screws and adhesive (not shown).
    1. Insert first screw
    2. Peel back cover to expose adhesive
    3. Insert second screw



RFID 12V ELECTRONIC LOCK KIT – SINGLE SOLID WITH GASKETS

5. ROUTE WIRES BETWEEN LATCH & CAN BUS

1. Route cable along perimeter of door with wire clips
2. Use wire clips to run cable below the latch and toward the top of the door
3. Direct cable along the top of the door toward the hinge

WIRE CLIP W/ ADHESIVE