



## INSTRUCTION TO SERVICE

<b>ITS: 58810</b>	
<b>SECTION:</b>	420 – Exterior Doors
<b>WRITTEN BY:</b>	Daniel Tice
<b>SUBJECT:</b>	R & R Muffler Access Door including painting.

# ITS-58810

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**SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.**

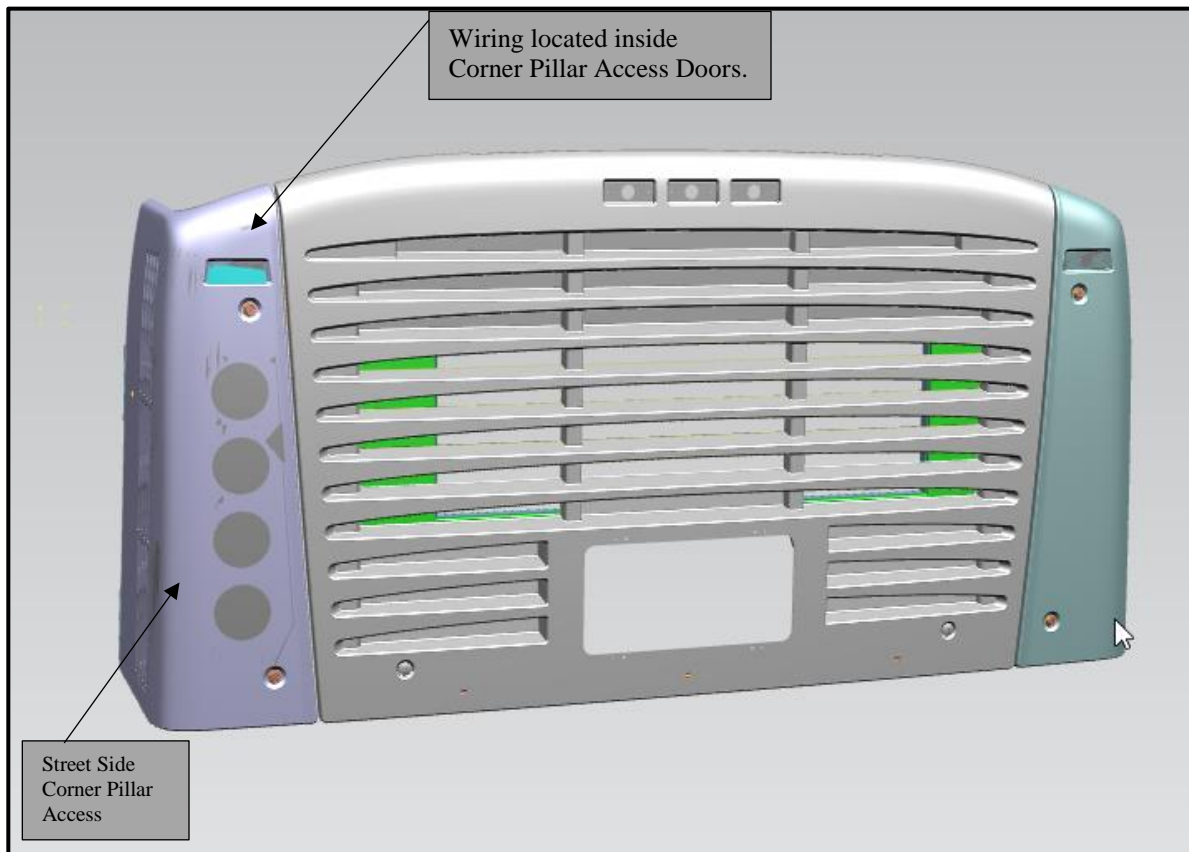
**Issue:** Door Louvers breaking.

**Solution:** Replace Door.

**PROCEDURE:**

**Removal of the corner pillar access door.**

- 1) Park bus on a flat surface and apply the parking brake.
- 2) Turn the main battery disconnect switch to the "OFF" position.



**Figure 1: Corner Pillar Access Door Location Reference.**

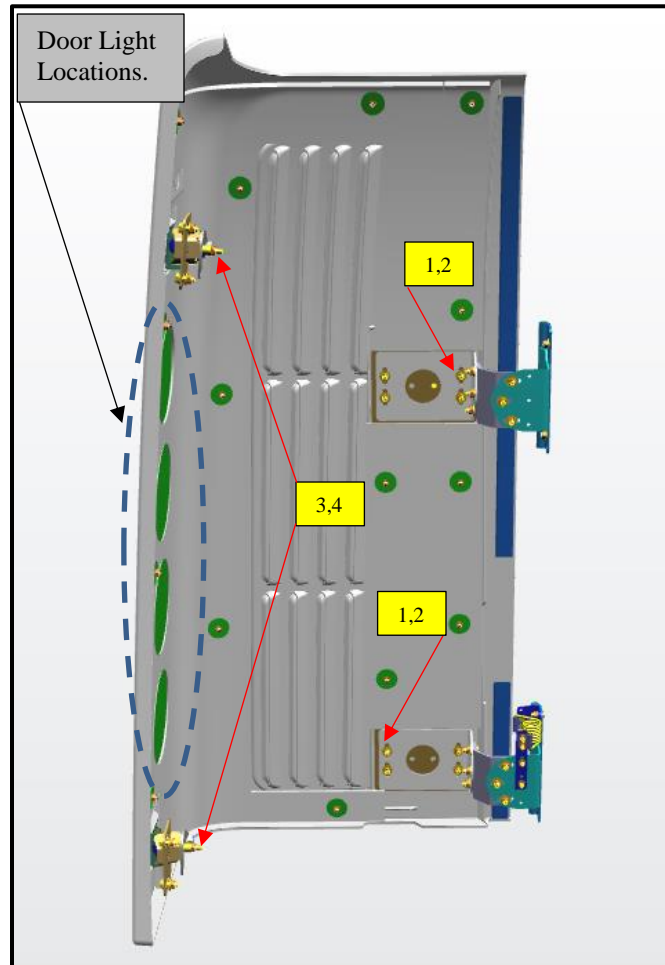


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- 3) Inspect the street side corner pillar door for broken louvers.
- 4) If the louver(s) are broken open the door, disconnect the wiring and remove the tail lights.
- 5) Remove corner pillar access door. See figure 2.
  - a. Remove item's #3 paw hooks and #4 door lock sets.
  - b. Remove item's #1 Nylon lock nuts and #2 washers.
  - c. Remove the door from bus.

☞ **NOTE: Do not discard the door locks, paw hooks or lights. Set aside for re-installation.**

☞ **NOTE: Discard nylon lock nuts # 1.**



**Figure 2: Removal of Corner Pillar Access Door Reference.**

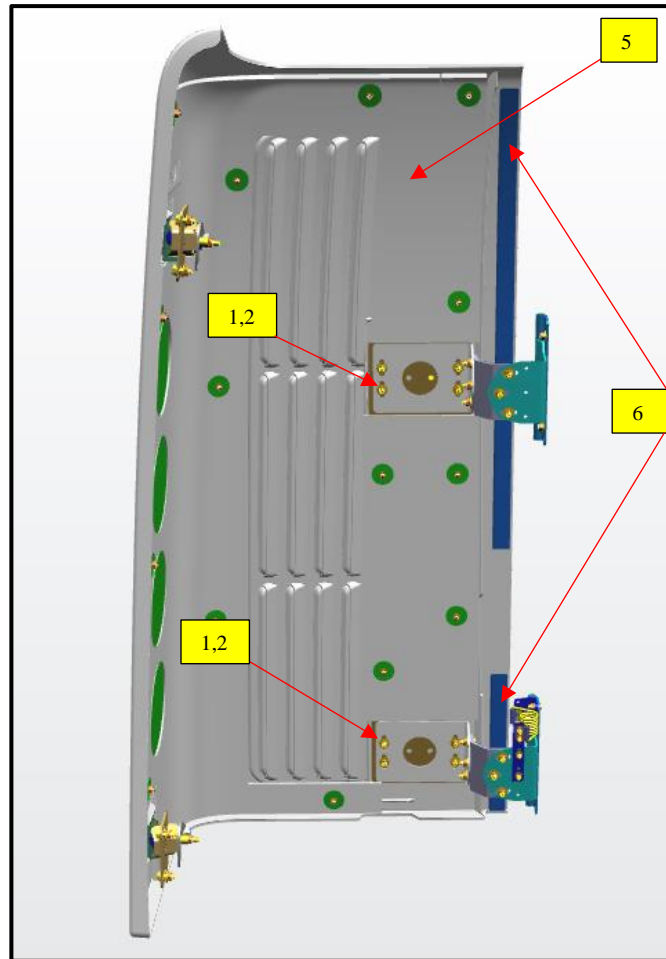
1	261556	Nut, Hex Lock Steel 1/4"- 20	8	EA
2	50W04000	Washer, Flat 1/4"- SST	8	EA
3	434305	Paw Hook	2	EA
4	434248	Door Lock Set	2	EA



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- 6) Install item #5 Corner pillar access door assembly with item's #2 Flat washers and #1 Nylon lock nuts. See figure 3.
- 7) Clean panel edges and install Item #6 Chanel Vinyl to the panel. See figure 3.

👉 **NOTE: Do not tighten hardware completely until door has been aligned correctly. See figure 4.**



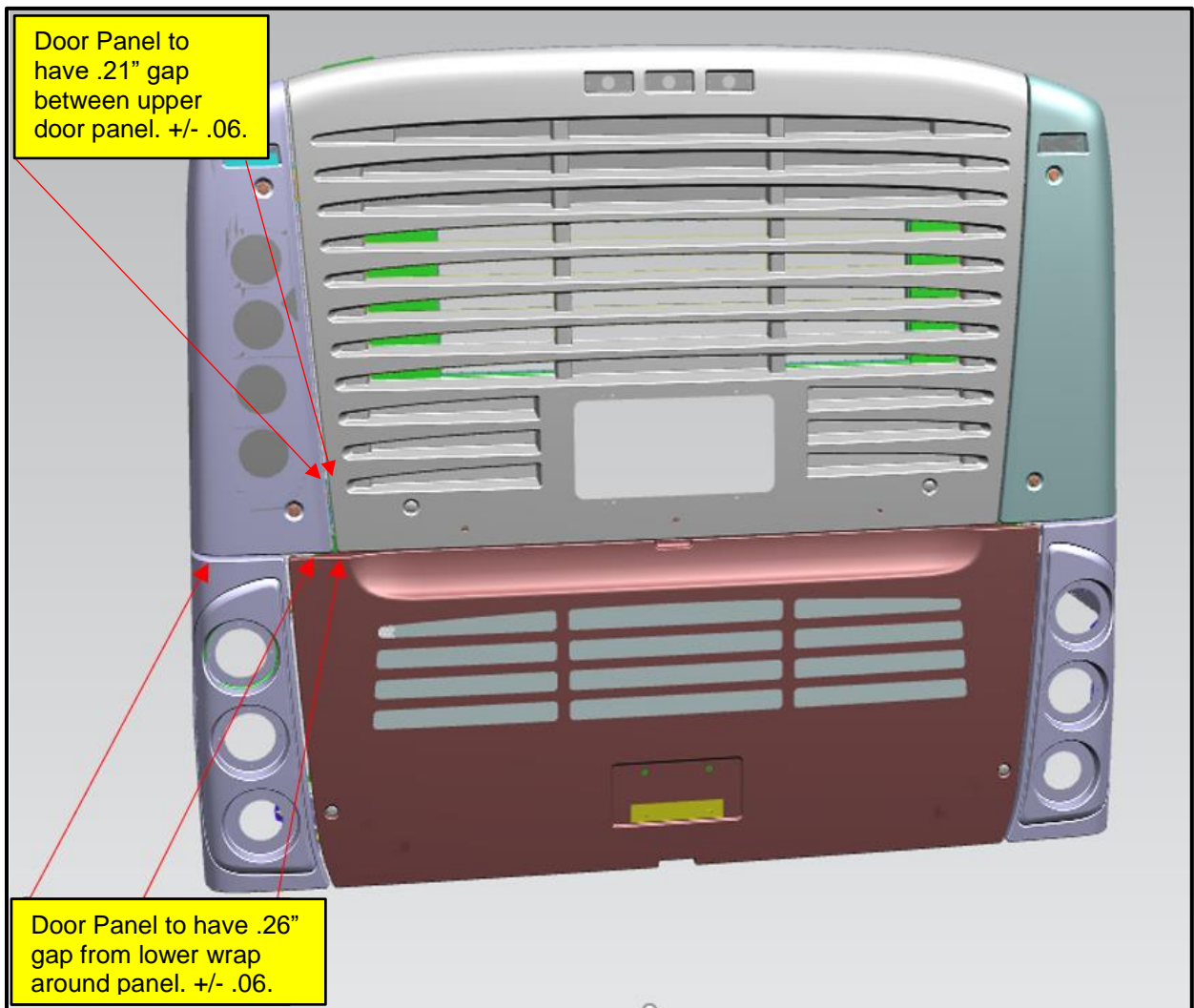
**Figure 3: Installation of Corner Pillar Access Door Location Reference.**

1	261556	Nut, Hex Lock Steel 1/4"- 20	8	EA
2	50W04000	Washer, Flat 1/4"- SST	8	EA
5	829332	Corner Pillar Access Door Assembly	1	EA
6	599638	Channel Vinyl	3	FT



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- 8) Align the bottom of the door panel with the lower wrap around panel. Leave a .26" gap +/- .06 between the panel and door. Align the side of the door panel with the attic door leaving a .21" gap +/- .06. See figure 4.
- 9) Open and close the door gently to ensure it is aligned correctly with no binding and functions as it should, adjust as needed then tighten hardware item #2 See figure 3.
- 10) Clean panel edges and install item #3 Chanel vinyl to the panel as needed to the roof and upper sidewall panels as need to fill in gaps between the panels. Split trim into two pieces to provide clearance where structure tubes meet the panel. See figure 3.
- 11) Paint new door to match bus using item #10 Paint supplies. (supplied by paint shop)



**Figure 4: Adjustment of Corner Pillar Access Door Location Reference.**

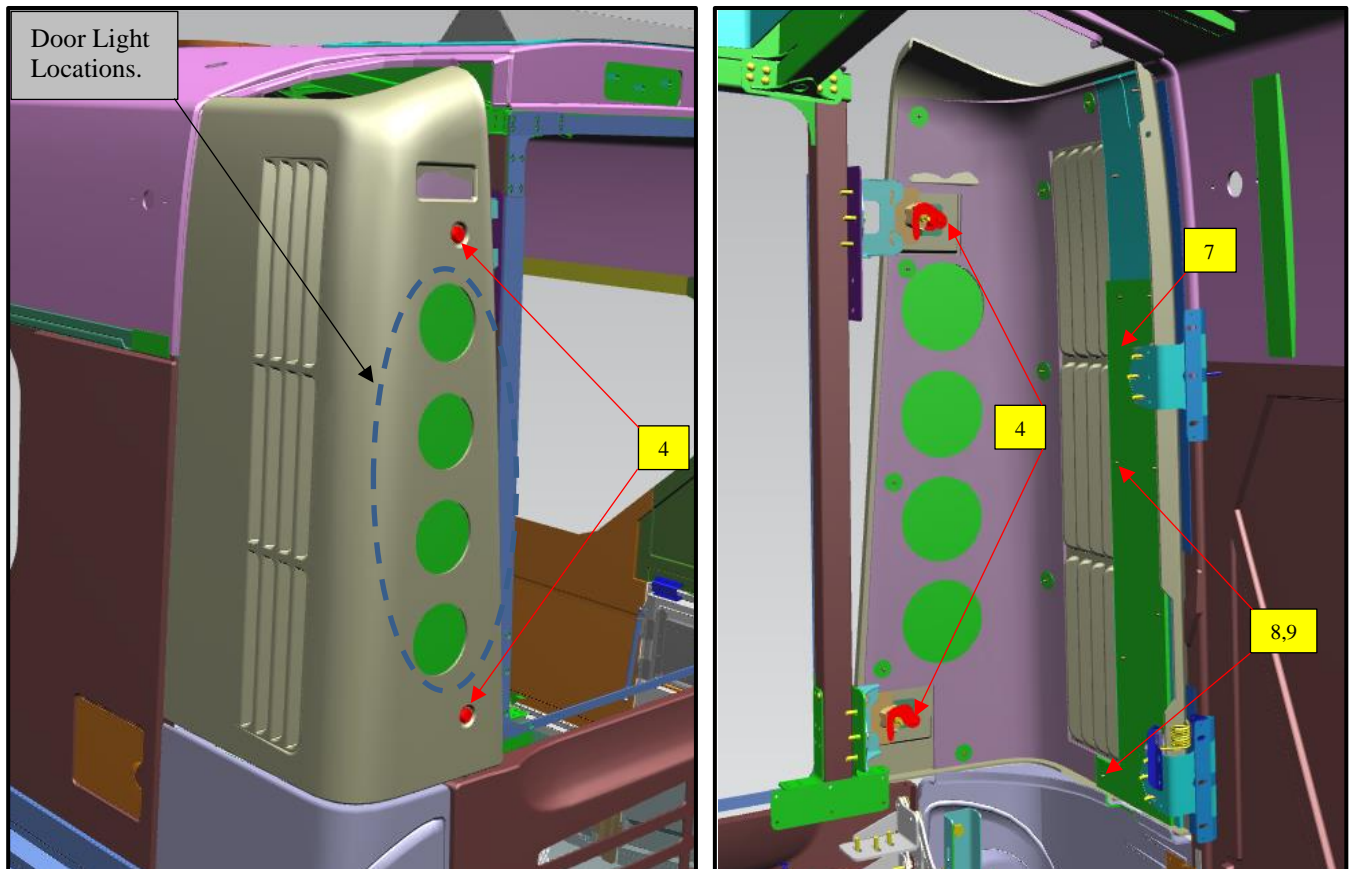
6	599638	Channel Vinyl	3	FT
10	999999	Paint supplies	1	EA



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- 12) Re-install the lights in the door panel.
  - 13) Re-connect and secure wiring to the door panel.
  - 14) Re-install item's #4 Door lock sets and Item #3 Paw hooks. See figure 5
- ☞ **NOTE: Door Paw Hooks should always turn down when closing.**

- 15) Place item #7 insulation on the panel and press it against the mounting studs to mark their locations.
- 16) Drill or punch a 3/16 inch hole for the mounting studs to pass through. See figure 5
- 17) Install #7 insulation with item's #8 Washers and #9 Nuts. See figure 5
- 18) Close and lock access door when work is completed.
- 19) Turn the main battery disconnect switch to the "ON" position.



**Figure 5: Corner Pillar Access Door Lock and Insulation Location Reference.**

3	434305	Paw Hook	0	EA
4	434248	Door Lock Set	0	EA
7	806705	Insulation Corner Pillar	1	EA
8	277551	Washer, ¼" SST Large	9	EA
9	513607	Lock Nut 10-32 SST	9	EA



<b>LABOUR ESTIMATE</b>				
	<b>Operation</b>	<b>Men</b>	<b>Hours</b>	<b>Labor Time M X HR</b>
1	R & R Muffler Access Door including painting.	1	9.5	9.5

**Total Man hrs. 9.5 hrs.**

<b>PARTS REQUIRED FOR DOOR HINGE PLATE AND LOUVER SUPPORT REWORK</b>					
<b>Item</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty. per bus</b>	<b>Units</b>	<b>Notes</b>
1	261556	Nut, Hex Lock Steel 1/4" - 20	8	EA	
2	50W04000	Washer, Flat 1/4" - SST	8	EA	
3	434305	Paw Hook	0	EA	Order as required
4	434248	Door Lock Set	0	EA	Order as required
5	829332	Corner Pillar Access Door Assembly	1	EA	
6	599638	Channel Vinyl	3	FT	
7	806705	Insulation Corner Pillar	1	EA	
8	277551	Washer, 1/4" SST Large	9	EA	
9	513607	Lock Nut 10-32 SST	9	EA	
10	999999	Paint supplies	1	EA	Supplied by paint shop