

# Corrosion Inspection Behind the Lower Cove Panels



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**Property and Top Bus Number:** NJT 305000



**Issue:** Corrosion inspection behind the lower cove panels

**Reason / cause:** This part of the structure is covered with sheet metal panels (dust panels) and access holes are needed for inspection of this area.

**Solution:** Drill access holes and inspect structure per this work instruction.

# Corrosion Inspection Behind the Lower Cove Panels



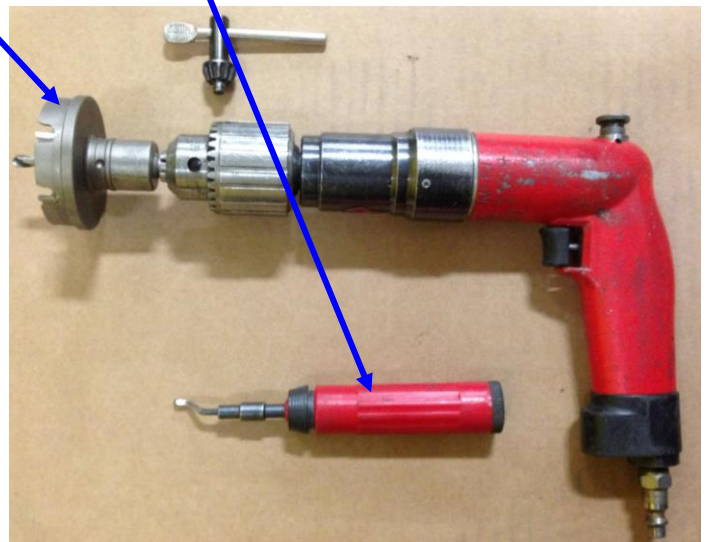
**Number of affected buses:** NJT: 305000

**Estimate repair hours/bus:** 1 hour

**Necessary parts:**

Plug, 2.5", rubber,	NABI Part #: <b>930-7161-005</b> ,	9 / bus,
POR-15, Rust preventive coating, 1qt,	NABI Part #: <b>NPN</b> ,	1 can/40 buses,
Acetone, 1gal buses,	NABI Part #: <b>NPN</b> ,	1 can/40

**Necessary tools:** drill, 1/4" drill bit and 2-3/8" hole saw, de-burr tool, small brush for applying the POR-15 rust preventive coating, bore scope.

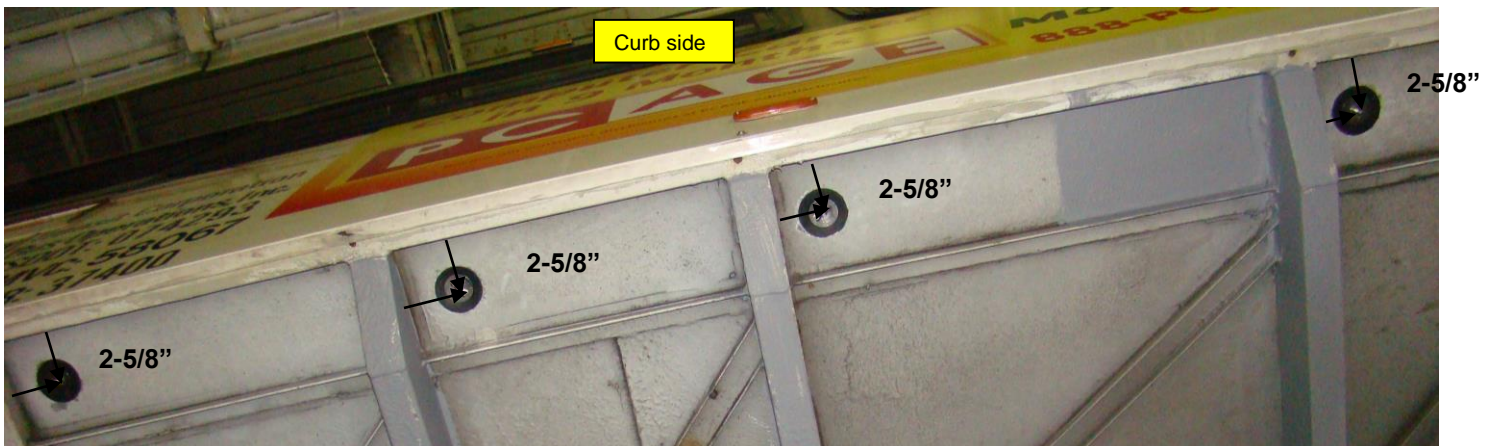
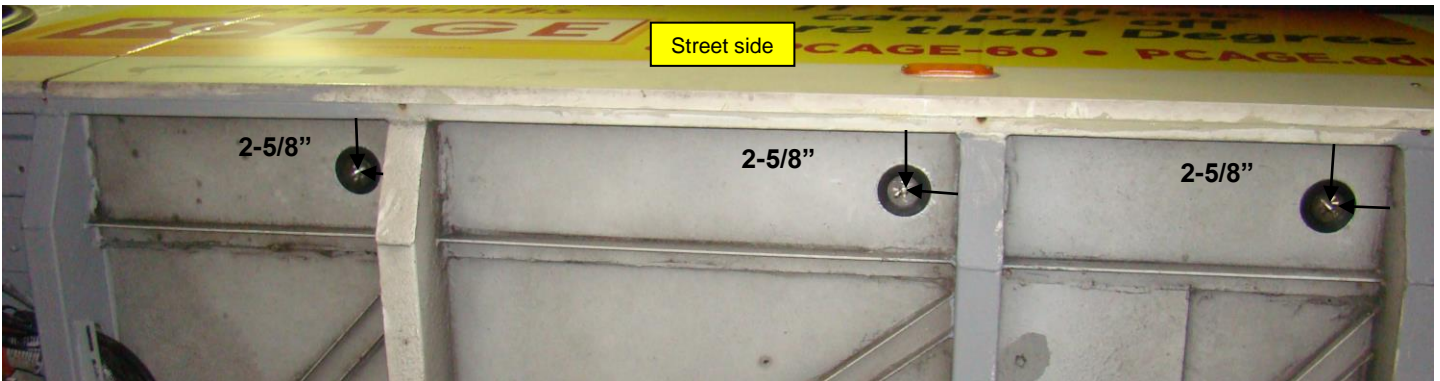
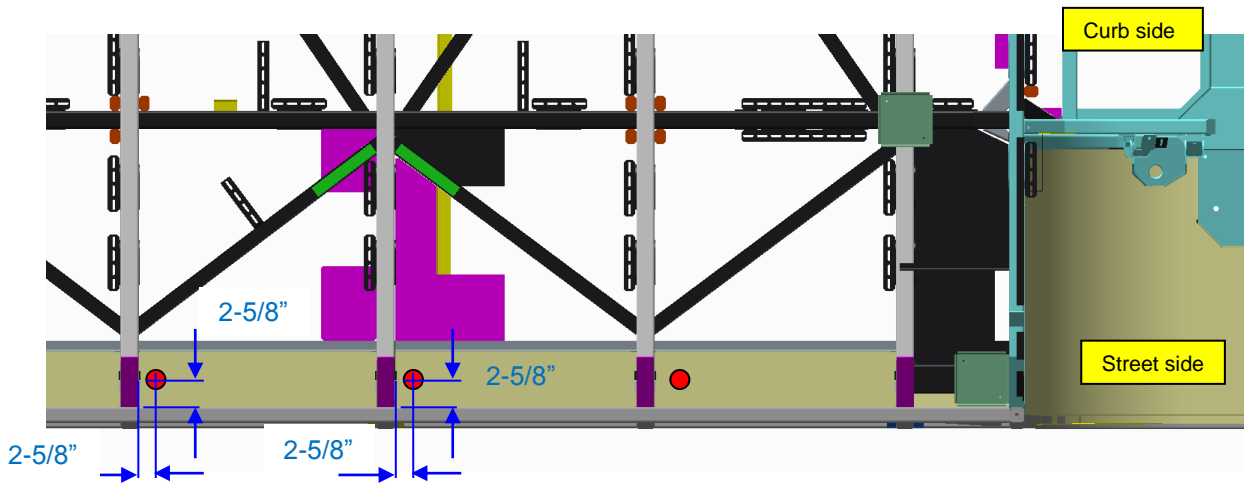


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**SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.**

1. Park the bus on a flat surface and apply the parking brake.
2. Turn off main battery disconnect switch(es).
3. Mark the dust panels as pictures show below. On the underside of the bus below the sidewalls, place 3 marks for drilling on street side and 4 marks on curb side.



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4. Drill a 1/4" pilot hole at the marks.
5. With a hole saw, cut 2-3/8" diameter size hole at the 1/4" pilot holes.



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6. De-burr holes by using the de-burr tool.
7. Inspect structure behind the dust panel. Use bore scope or mirror as required. Record findings on bus work order.



8. Degrease edge of the hole with acetone.
9. Apply POR-15 paint to the edges of the previously drilled holes. Follow instructions written on the paint can.
10. Install rubber plugs in the holes.



## **Corrosion Inspection Behind the Lower Cove Panels**



11. Record bus number, mileage, date of inspection and the name of the technician(s) who completed the work.