

NJT: Compartment Door Hinge Replacement



Prepared by:

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Property name and Top bus number: NJT - 305000

Issue: Compartment door hinges may be incorrect on some units / paint on hinge “pins” causing the hinges to seize over time

Reason/ cause: Incorrect hinges installed / hinge “pins” should not be painted

Solution: Inspect and replace any hinges that are not stainless steel and replace with stainless steel hinge / remove hinge “pins”, remove paint from pins and apply anti-seize to pins to prevent seizing in the future



NJT: Compartment Door Hinge Replacement



Number of buses affected: 1601-1639

Estimate repair hours/bus: 2 hours per bus

Engineering Documentation:

Necessary parts:

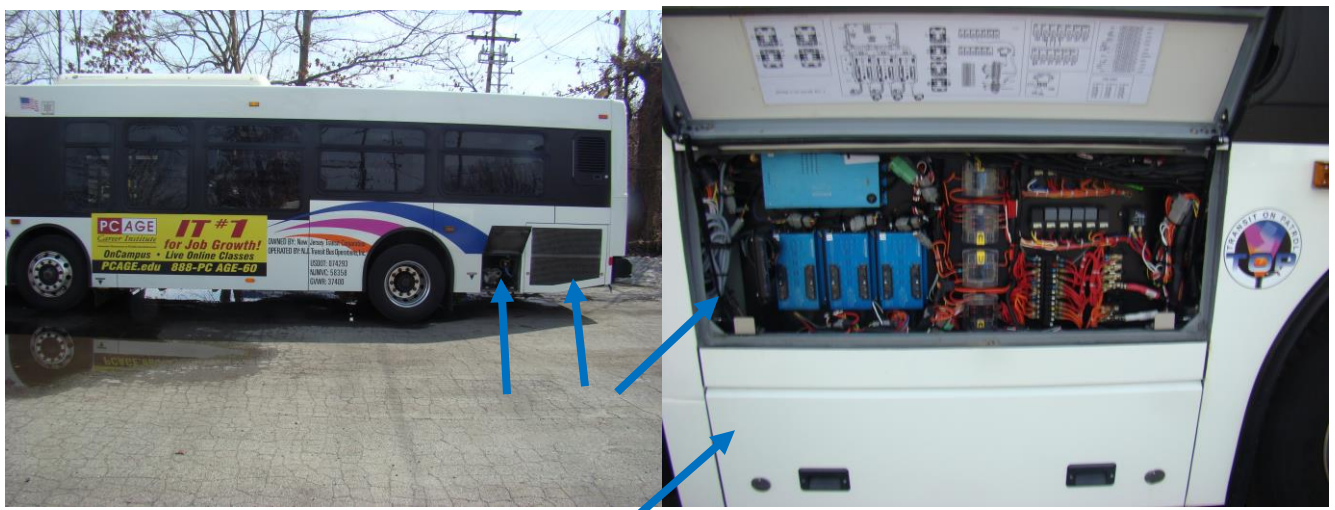
61A-8221-025	assy, hinge, access door	AR
61A-8221-025T	assy, hinge, access door, opp.	AR
61A-8221-020	assy, brkt, hinge, access door	AR
2406RHSS04	3/16-1/4 rivet	15 per bus

Necessary tools:

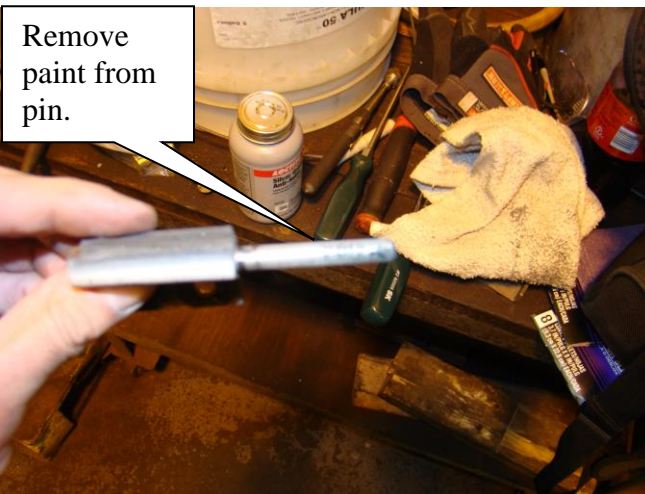
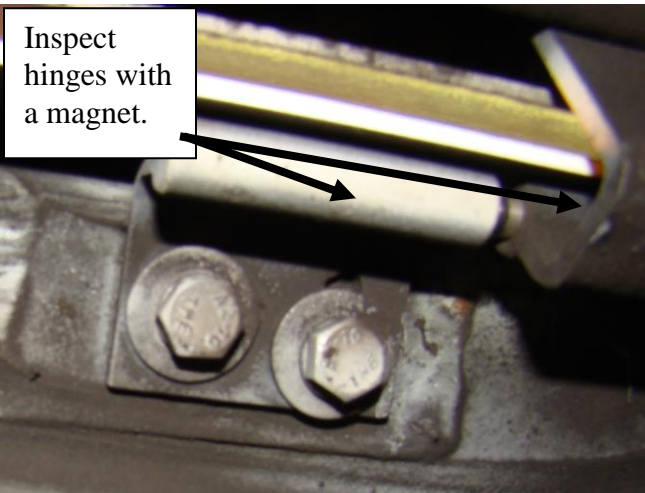
Cordless drill, 3/16 drill bit, rivet gun, general hand tools, sockets, ratchets, magnet

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

1. Park the bus and apply the parking brake.
2. Turn off main battery disconnect switch(es).
3. Locate the access doors that need the hinges to be inspected/repaired (see below).

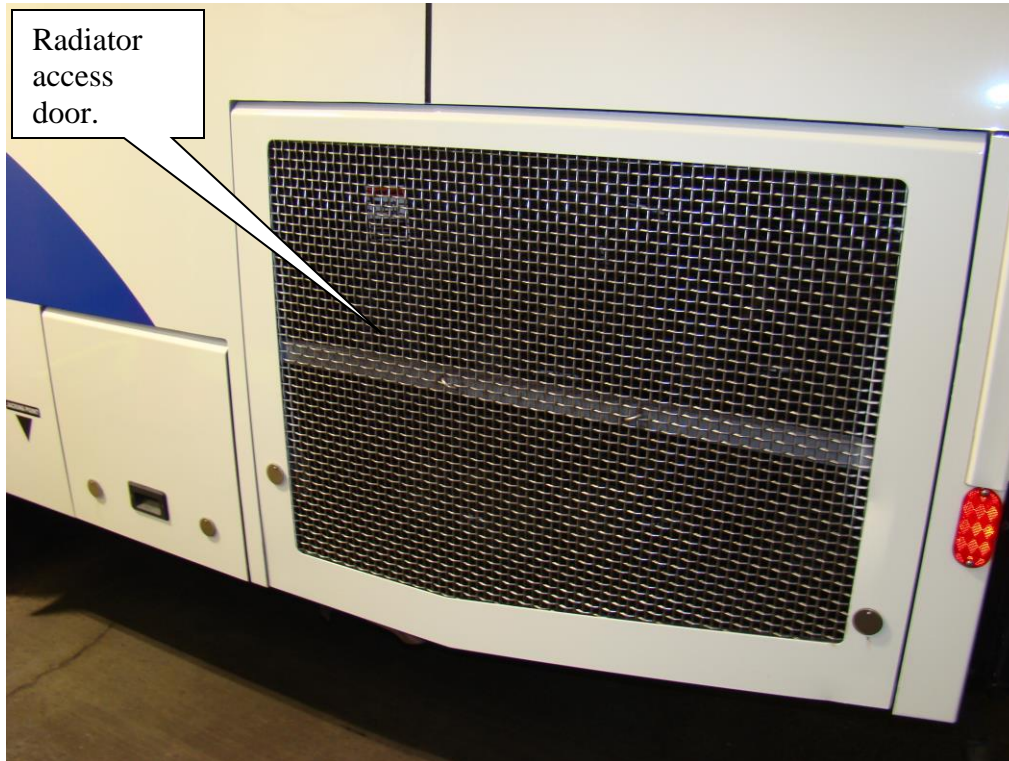


4. Inspect the access door hinges with a magnet to verify that they are stainless steel or steel hinges (Steel hinges must be replaced with stainless steel hinges). Remove bolts from hinge bracket attached to the bus. Remove the gas springs from the door. Unbolt the hinges from the door and install the new hinges as required. If the hinges are correct, the hinge pins need to be removed and the paint needs to be removed from the hinge pins (see below). Reinstall door reusing the existing hardware and adjust accordingly. Do this for every door except the radiator door.



IMPORTANT: When reinstalling the hinges it is very important that the doors are properly aligned with the body of the bus or damage to the doors and/or the body of the bus may occur. Note any body damage from previously mis-aligned panels.

5. Use the same steps as performed in step 4 for the radiator access door however if the door side hinges need to be replaced the screen on the radiator door must be removed in order to replace hinge. Drill out the 15 rivets in order to remove the screen for the door. After replacing the hinge reinstall screen using rivet PN: 2406RHSS04 (3/16 x 1/4").



6. Check for completeness of work.
7. Turn on the main battery disconnect switch.
8. Document bus number, date completed and any comments on inspection form.