LFW: THIN AND UNCURED PRIMER INSPECTION

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Property name and Top bus number: NJT: 305000

Purpose: Check possibility of thinner and uncured primer.
Reason/Cause: Corrosion of structure
Solution: Inspect buses per this work instruction and record the findings.

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Effected buses: NJT: 305000

Estimate repair hours/bus: 0.5 hours/bus

Necessary tools: Paint thickness tester, Pencil Hardness Tester Kit PH-58000,

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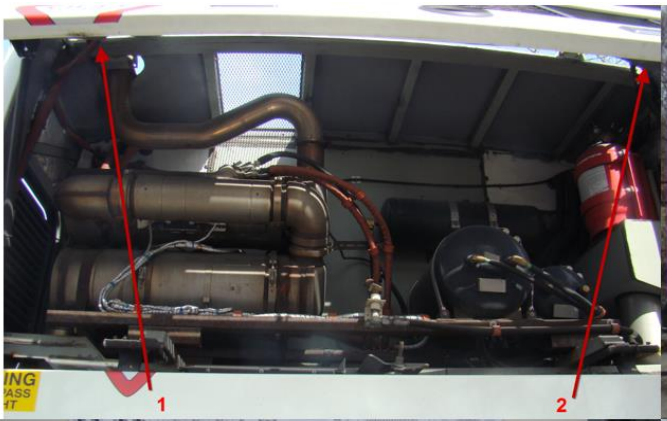
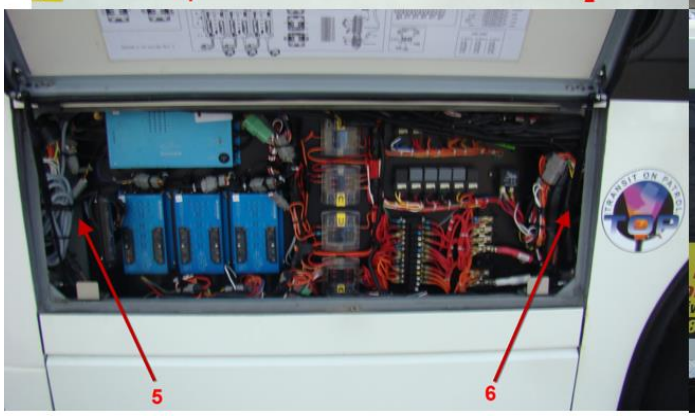
Locations 1 to 11





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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.
3. Identify location 1 to 11 as shown in pictures above on bus. (page 3).
4. Primer Hardness Test:
   - 4.1. General Inspection:
     Perform the general inspection of bus structure to determine suspected area of for uncured primer, indications of uncured primer are:
     - 4.1.1. Paint will have tackiness.
     - 4.1.2. Should be able to make indentation with fingernails
     - 4.1.3. Paint should feel soft.
   - 4.2. Preparation:
     - 4.2.1. Select pencil 6H, remove approximately 5 to 6mm of wood on the point using the Kit provided Pencil Sharpener, being careful to leave an undisturbed, unmarked, smooth cylinder of pencil lead.
     - 4.2.2. The tip of the pencil shall be squared by holding the pencil in a vertical position and moving the Pencil back and forth over the abrasive paper, maintaining an angle of 90 degree. Continue until a flat, smooth, circular cross-section is obtained, free from chips or nicks in the edge.
     - 4.2.3. Repeat procedure 4.2 and 4.3 each time a pencil is used.
   - 4.3. Identify suspected area from general inspection as specified in 4.1 then place the pencil on substrate, beginning at point one according to primer check sheet, ensure no chipping of the pencil occurs. With medium pressure, make a suggested mark at a distance of 7mm.
   - 4.4. Inspect the coating, checking for markings and indentation using fingernail.
   - 4.5. If no marking has occurred record “6H” on pencil hardness test sheet.
   - 4.6. If marking has occurred record “fail” on pencil hardness test sheet.
   - 4.7. Repeat steps 4.3 to 4.6 at all 11 locations and record findings in primer hardness test sheet.

5. Primer Thickness test
   - 5.1. Turn power on by pressing on button.
   - 5.2. Push probe against surface to be measured until it is completely flush (record measurement). Lift probe at least 2 inches from surface between measurements so the device resets itself. Do not drag or tip the probe sideways.
   - 5.3. Record reading on the primer thickness check sheet.
   - 5.4. Repeat step 5.3 and 5.4 for all 11 locations and record the findings on primer thickness check sheet.
6. After completing hardness and thickness check sheet attach it to QA check sheet for that bus.

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Date	
Fleet #	
Technician	

Primer hardness check sheet	
LOCATION	**HARDNESS**
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Primer thickness check sheet	
LOCATION	**THICKNESS**
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	