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Montgomery HR-Series 5E Fabricated Thru-Axle Escalator Steps

All information regarding recommended inspection instructions is based on current information as of the issue date of this product bulletin. These inspection instructions may be modified based upon ongoing inspections and evaluations.

Product Issue

Some 5E Escalator Steps in the HR Series Escalators may show signs of wear in the area of the step axle end sleeve and step body. This bulletin describes inspection instructions to determine if an escalator step is acceptable for continued service.

Action

All HR Series thru-axle fabricated escalator steps must be inspected using the *Inspection Instructions* below, and their disposition determined by the priorities outlined in *Priority Levels* below.

Inspection Instructions

Inspect a minimum of 10 escalator steps.

- Secure the escalator to ensure safety.
- Install barricades.
- Remove lower access cover.
- Place the escalator in inspection mode.
- Rotate the step band to place the step in a position with access to the step flange nut.
- Label the step with an identifying number.
- Using a pair of channel locks on the flange nut, attempt to rotate the step spindle without loosening the nut from the axle sleeve to determine if the sleeve will easily turn in the step body or it is no longer fixed to the axle.
- If the sleeve will not turn and it is tight, then the step is acceptable for use.
- If the axle end sleeve turns, then visually inspect the step body for excessive wear and using the priority levels below, determine the course of action.
- Mark the inspection date on the step assembly (day/month/year).
- Once inspection is complete, install lower access cover.
- Remove barricades.
- Return the escalator to service.



Priority Levels

Priority 1

If a step has an axle end sleeve that rotates 180 degrees, or more, then the step must be replaced immediately, and the rest of the steps in the unit must be inspected and addressed accordingly. If the escalator step cannot be replaced immediately, the unit must be removed from service.

If an escalator step can be moved 0.25 inches (6.3 mm) in any direction due to wear of the step body, or the through axle end sleeve, then the step must be replaced immediately and the rest of the steps in the unit must be inspected and addressed accordingly. If the escalator step cannot be replaced immediately, the unit must be removed from service.

Priority 2

If an escalator step has an axle end sleeve that rotates between 90 and 180 degrees, then the step must be re-inspected every 30 days.

Priority 3

If an escalator step has an axle end sleeve that rotates between 45 and 90 degrees, then the step must be re-inspected every 90 days.

Priority 4

If a step has an axle end sleeve that rotates up to 45 degrees, then the step must be re-inspected every 180 days.

Technical Support

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