

Unexpected unlocking of train door - Supplier: KN China

Issue: 8D#216589

Train door unlocked from mounting position during train motion in revenue service. Where: TS5137 D-car, Door B2 How: Unexpected unlocking alarm raised in OCC (Operations Control center).

Root cause:

Due to locking nut creating inconsistency in closing of doors, locking switch triggered in advance leading to inconsistency between LHS & RHS of door leaf.

Corrective Action:

Corrective action has three steps:

- 1. Door locking nut inspection - completed on full fleet.
- 2. S1 switch adjustment - completed on full fleet.
- 3. Door unlocking force measurement - to be initiated in fleet based on the acceptance criteria to be defined by KN.

6 projects identified to be impacted with this issue and REX shared to each project site for their internal validation and retrofit.

Current status:

Step-3 of corrective action under review with supplier. Tools to perform the activity and FMI awaited

Traceability & Correlation:

8D : 216589