



Technical Service Bulletin: TSB260101

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Depot Overhead (Pantograph) Charging System – Charger Arm Retraction Verification Required Before Vehicle Movement

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Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- BES CM2450 EV101B
- BES CM2450 EV109B

Issue

Symptom:

- Buses that use depot style overhead (pantograph) charging system, may under certain circumstances be able to move before the overhead (pantograph) charger arm is fully retracted.
- If the vehicle is moved while the overhead (pantograph) charger arm is not completely retracted, damage may occur to the overhead (pantograph) charger arm, vehicle-mounted charging interface, or related depot charging equipment.

Root Cause:

- The current vehicle control software may not prevent vehicle movement in all cases when the overhead (pantograph) charger arm has not fully returned to the retracted position.

Verification/Confirmation

This issue is currently applicable to all buses using the depot overhead (pantograph) charging system.

Resolution

- Before moving any bus from a depot overhead (pantograph) charging station, operators must visually verify that:
 - **No** charging equipment remains engaged with or positioned over the vehicle.
 - The overhead (pantograph) charger arm is fully retracted from the bus.
 - The overhead (pantograph) charger arm is clear of the vehicle-mounted charging interface.
- Operators must not move the vehicle until the charger arm is completely retracted and clear of the bus.

Document History

Date	Details
2026-7-10	Module Created