Authorized Field Change

INTERNATIONAL

26901
June 2026

SUBJECT: Entrance Door Set Screw Replacement.

MODELS: 2025 thru 2027 IC Bus™ CE Series school buses and IC Bus™ Electric CE Series school buses (PB11000, PC11000, and PB11E00).
Start Date: 02/05/2024 End Date: 05/25/2026

DESCRIPTION: Certain 2025 thru 2027 IC Bus™ CE Series school buses and IC Bus™ Electric CE Series school buses entrance doors may fall out of adjustment over time and with use. A door that is not adjusted properly may result in an improperly closed door and trigger an open door warning light on the dashboard.

CUSTOMER LETTER: Print ready (PDF file) copy of the Customer Letter

ELIGIBILITY: This procedure applies ONLY to vehicles marked in the International® Service Portal℠ with Authorized Field Change 26901 that have not had FSC 26104 completed. Also complete any other open campaigns listed on the Service Portal at this time.

NOTE: For buses that have FSC 26104 completed, no further action is required as it is the same repair.

TOOLS REQUIRED:

Description	Tool Number
5/16 in-24 tap	Source locally
0.272 in Diameter Letter “I” Drill Bit or equivalent	Source locally
Drill	Source locally

Table 1 Tools Information

PARTS INFORMATION:

Part Number	Part Description	Quantity
2527197C1	5/16 in-24 Carbon Steel Set Screw	2
476074C1	Nut, Battery terminal 3/8 in UNC	1
Source locally	Loctite 242, medium strength, BLUE liquid	As required

Table 2 Parts Information

SERVICE PROCEDURE

WARNING! To prevent personal injury and / or death, or damage to property, park vehicle on hard flat surface, turn the engine off, set the parking brake and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent personal injury and / or death, or damage to property, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, or damage to property, always wear safe eye protection with side shields when performing vehicle maintenance.

WARNING! To prevent personal injury and / or death, or damage to property, allow engine / vehicle components to cool before servicing.

WARNING! To prevent personal injury and / or death, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent personal injury and / or death, or damage to property, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

WARNING! To prevent personal injury and / or death, or damage to property, NEVER service a high-voltage vehicle without completing High-Voltage Safety Training. Before working on vehicle, read and obey High-Voltage Safety, and Lock-Out Tag-Out safety procedures and information.

WARNING! To prevent personal injury and / or death, wear and use approved high-voltage Personal Protection Equipment (PPE) when near a high-voltage electric vehicle. Inspect PPE before use. Do not use gloves or other PPE with expired dates, holes, cracks, or damage. NEVER touch energized ORANGE high-voltage cables or high-voltage components without wearing approved high voltage PPE.

WARNING! To prevent personal injury and / or death, or damage to property, read all information in the Safety Information and High-Voltage Safety sections of the service manual.

1. Park vehicle on flat surface with wheels straight ahead.
2. Shift transmission to Park or Neutral and set parking brakes.
3. Turn vehicle ignition to Key OFF position.
4. If equipped, turn 12V disconnect to the OFF position.
5. Install wheel chocks.
6. If equipped, drain the air tanks.
7. Disconnect and isolate the negative battery terminal.

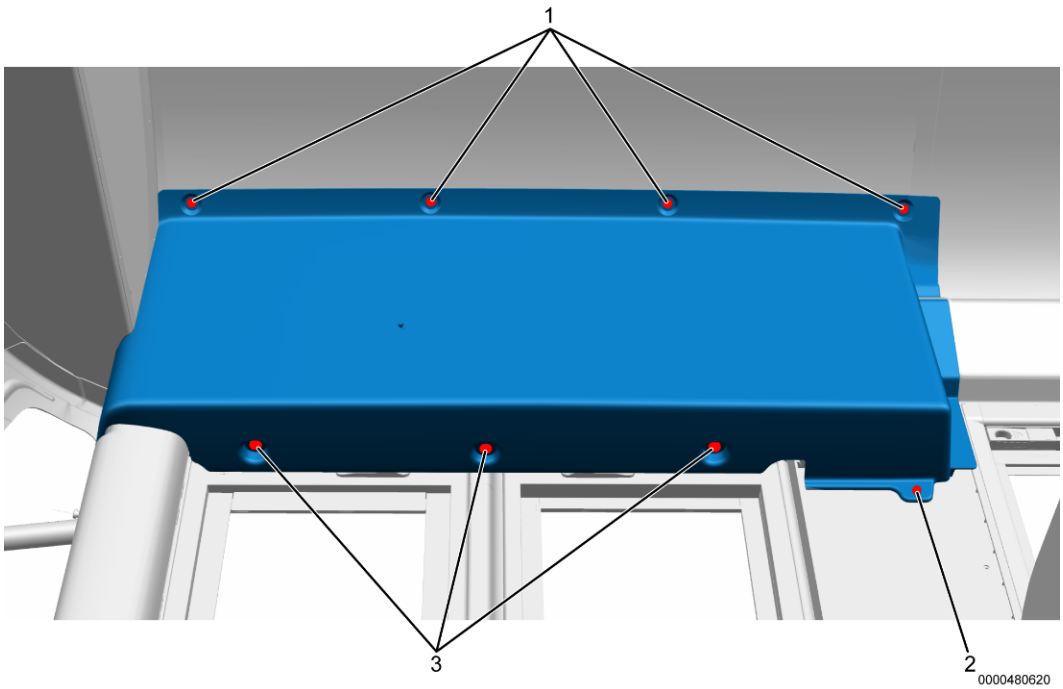


Figure 1. Entry Door Overhead Compartment

1. 8 mm push-in fastener (4)
2. 12–14 x 0.75 mm pan head Torx screw
3. M6 x 20 mm flanged Torx screw (3)

8. Remove four 8 mm push-in fasteners (Figure 1, Item 1) from entry door overhead compartment.

9. Remove three M6 x 20 mm flanged Torx screws (Figure 1, Item 3) and one 12–14 x 0.75 mm pan head Torx screw (Figure 1, Item 2) from entry door overhead compartment, then remove the panel for access.

10. Confirm if the bus entry door is air actuated or electric.

    a. If the bus entry door is air actuated, proceed to Step 11.

    b. If the bus entry door is electrically actuated, proceed to Step 32.

AIR ACTUATOR REPAIR PROCEDURE

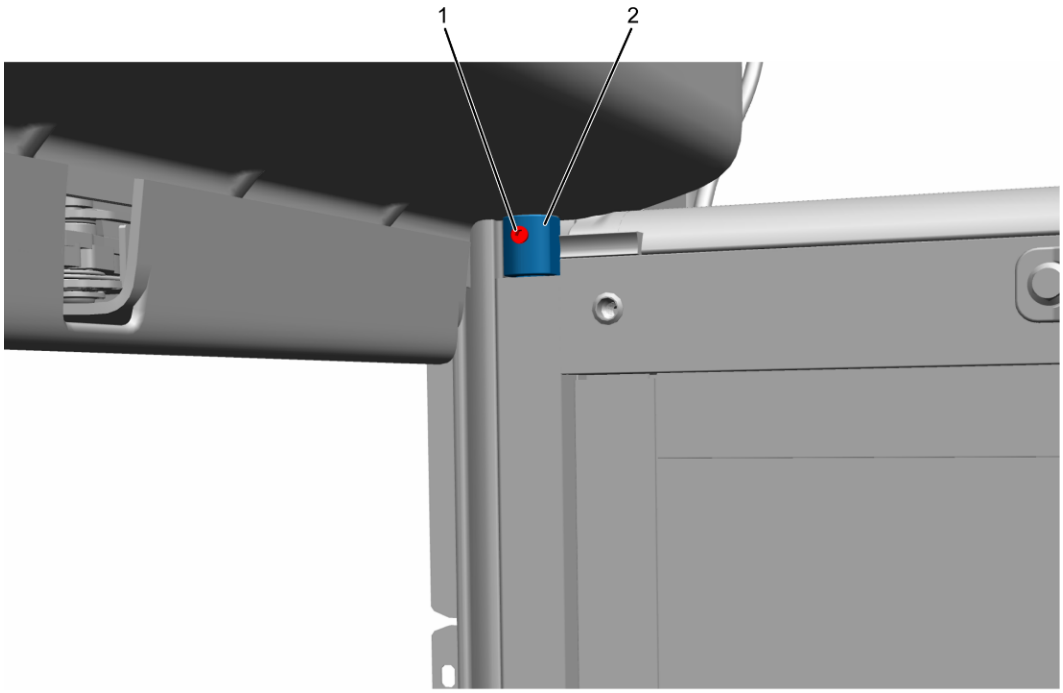


Figure 2. Entrance Door Collar

1. Allen set screw
2. Door collar

11. Remove and discard Allen set screw (Figure 2, Item 1) located on door collar (Figure 2, Item 2) to allow pivots to be removed from door collar. Repeat for both entrance doors.

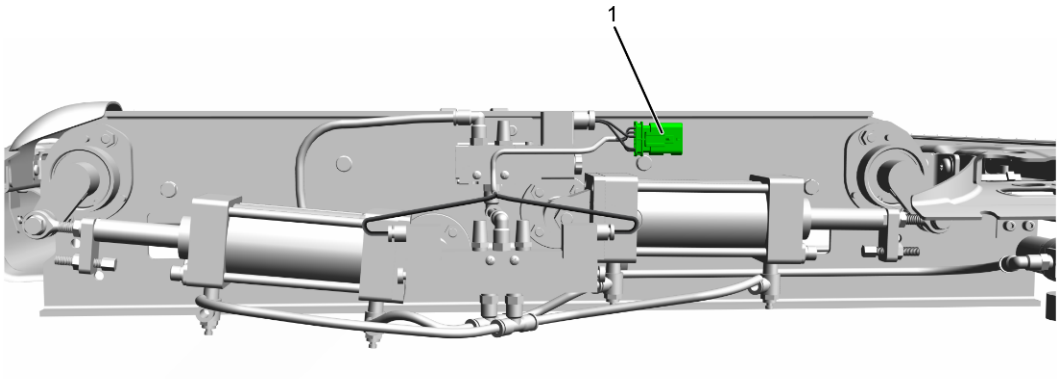


Figure 3. Pneumatic Actuator Electrical Connector

1. Electrical connector

12. Disconnect electrical connector (Figure 3, Item 1).

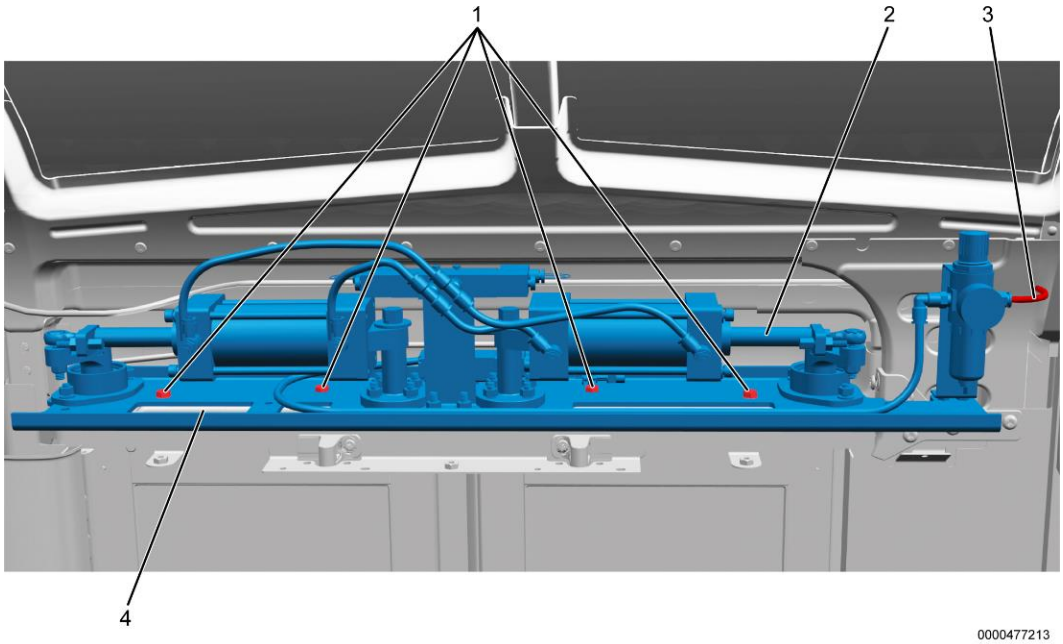


Figure 4. Entrance Door Air Actuator

1. M8 x 16 bolt (4)
2. Entrance door pneumatic actuator assembly
3. Entrance door pneumatic actuator air line
4. Mounting plate

13. Disconnect entrance door pneumatic actuator air line (Figure 4, Item 3).

14. Remove four M8 x 16 bolts (Figure 4, Item 1) from pneumatic actuator assembly mounting plate (Figure 4, Item 4).

15. Remove entrance door pneumatic actuator assembly (Figure 4, Item 2) with mounting plate (Figure 4, Item 4).

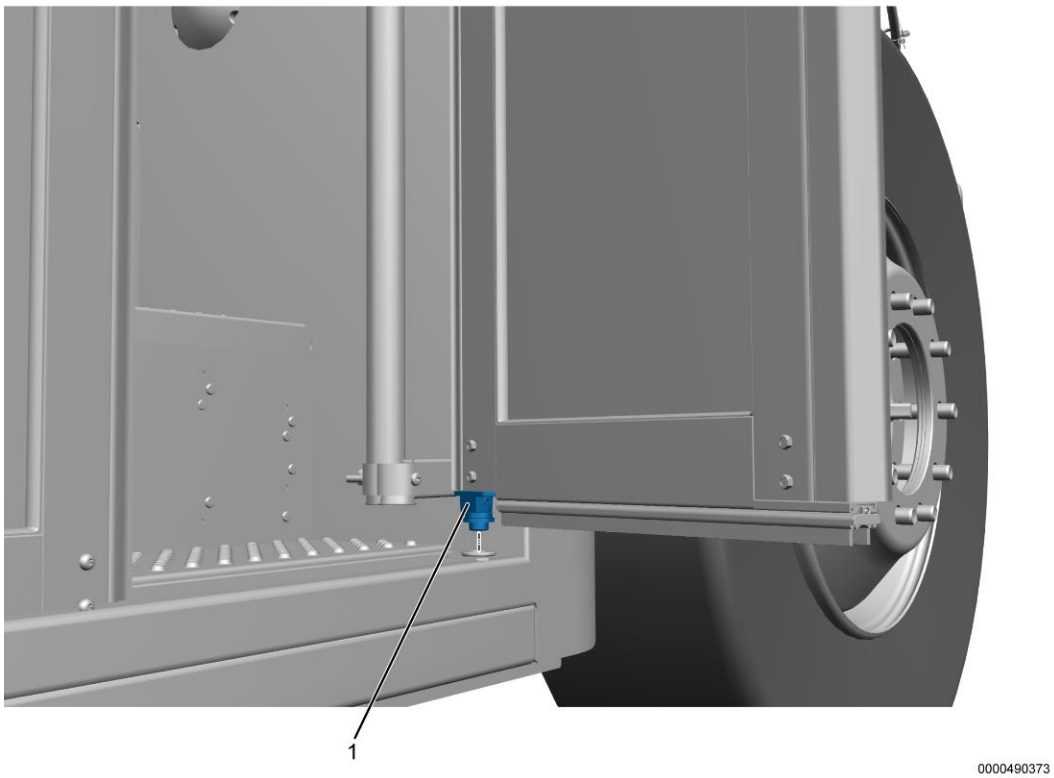


Figure 5. Entrance Door Lower Male Hinge

1. Lower male hinge

16. With entrance door in an open position, gently lift entrance door up to release lower male hinge (Figure 5, Item 1).

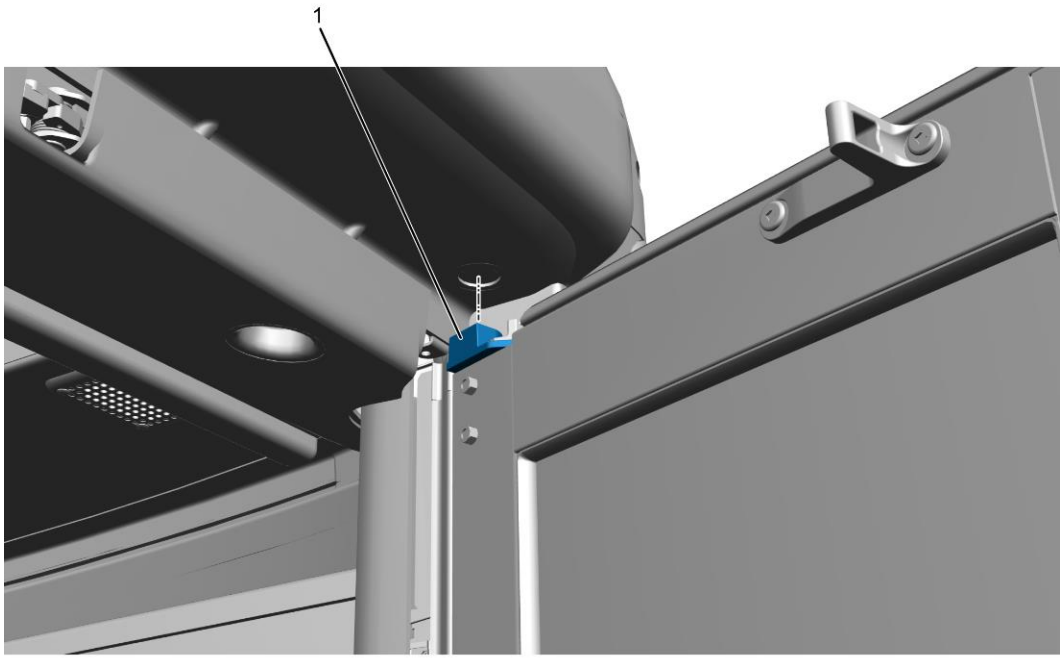


Figure 6. Entrance Door Upper Female Hinge

1. Upper female hinge

17. Gently tilt and lower door out of frame to release the upper female hinge (Figure 6, Item 1).

18. Place door flat on a protected surface.

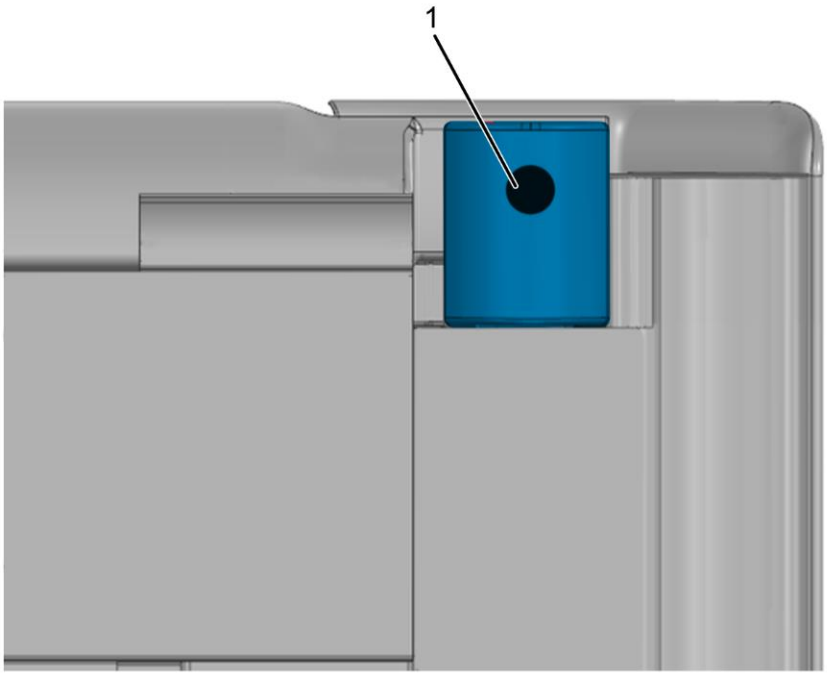


Figure 7. Set Screw Location
1. Set screw hole

19. Drill a new hole where the set screw was (Figure 7, Item 1), ensuring it is straight as possible. The new hole should have a 0.272 in diameter.

20. Tap the new hole with a 5/16 in-24 tap. Deburr and remove any metal shavings.

21. Apply Loctite 242, medium strength, BLUE liquid to the set screw threads, and partially insert the new 5/16 in-24 set screws into the new threaded hole.

22. Repeat Steps 16–21 for the other door leaf.

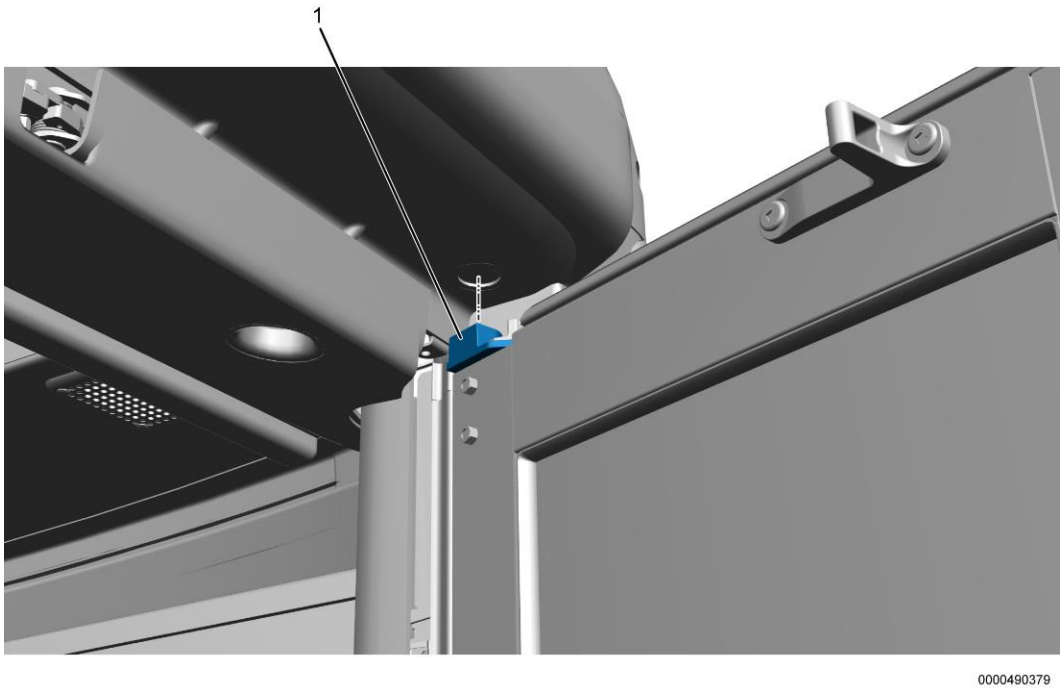


Figure 8. Entrance Door Upper Female Hinge

1. Upper female hinge

23. Gently tilt and raise door into frame, ensuring that upper female hinge (Figure 8, Item 1) slides into place.

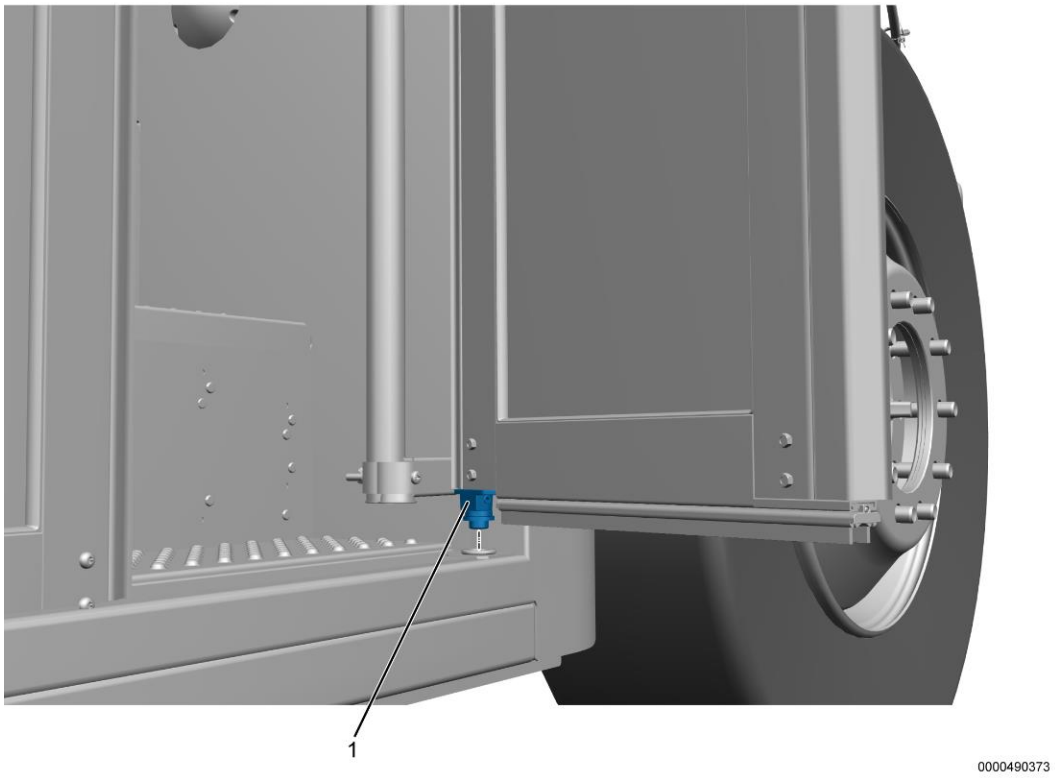


Figure 9. Entrance Door Lower Male Hinge

1. Lower male hinge

24. With entrance door in an open position, gently lift entrance door up to insert lower male hinge (Figure 9, Item 1).

25. Repeat Steps 23–24 for the other door leaf.

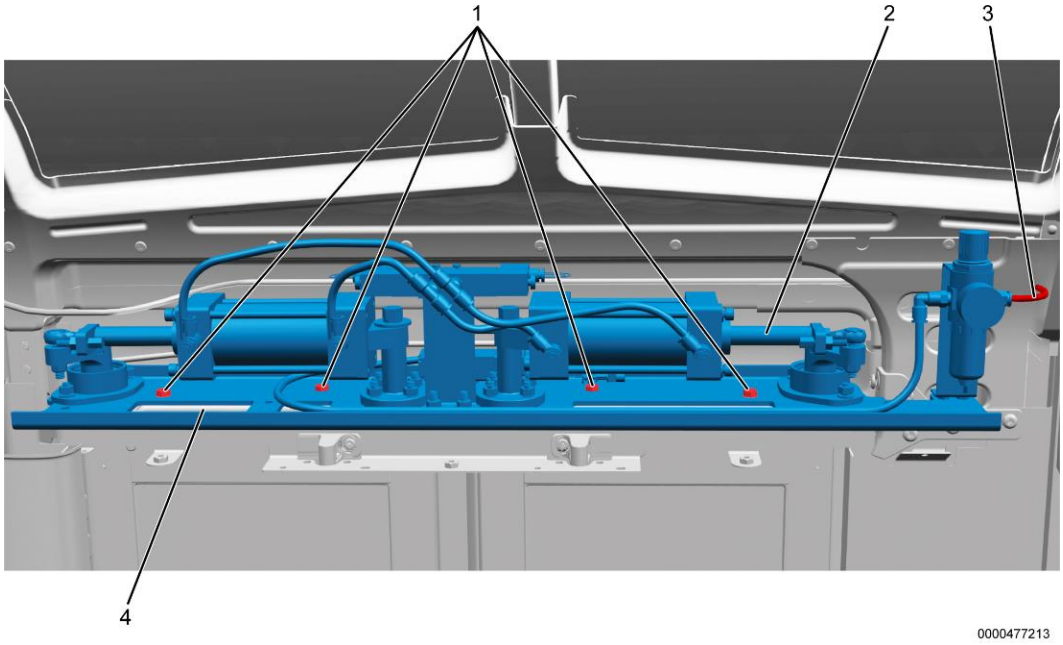


Figure 10. Entrance Door Pneumatic Actuator

1. M8 x 16 bolt (4)
2. Entrance door pneumatic actuator
3. Entrance door pneumatic actuator air line
4. Mounting plate

26. Place pneumatic actuator assembly above door frame, ensuring that the door pivots are seated within door collar.

27. Secure pneumatic actuator assembly with four M8 x 16 bolts (Figure 10, Item 1) and tighten to 23–26 lb-ft (31–35 N·m).

28. Install entrance door pneumatic actuator air line (Figure 10, Item 3).

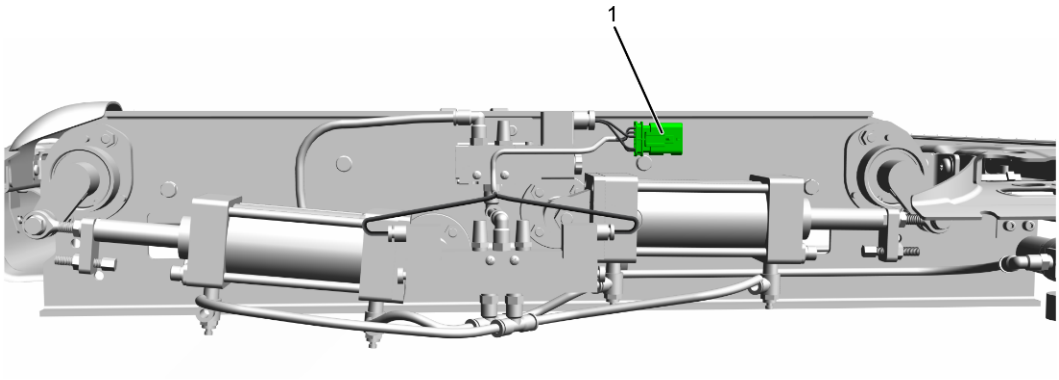


Figure 11. Pneumatic Actuator Electrical Connector

1. Electrical connector

29. Install electrical connector (Figure 11, Item 1).

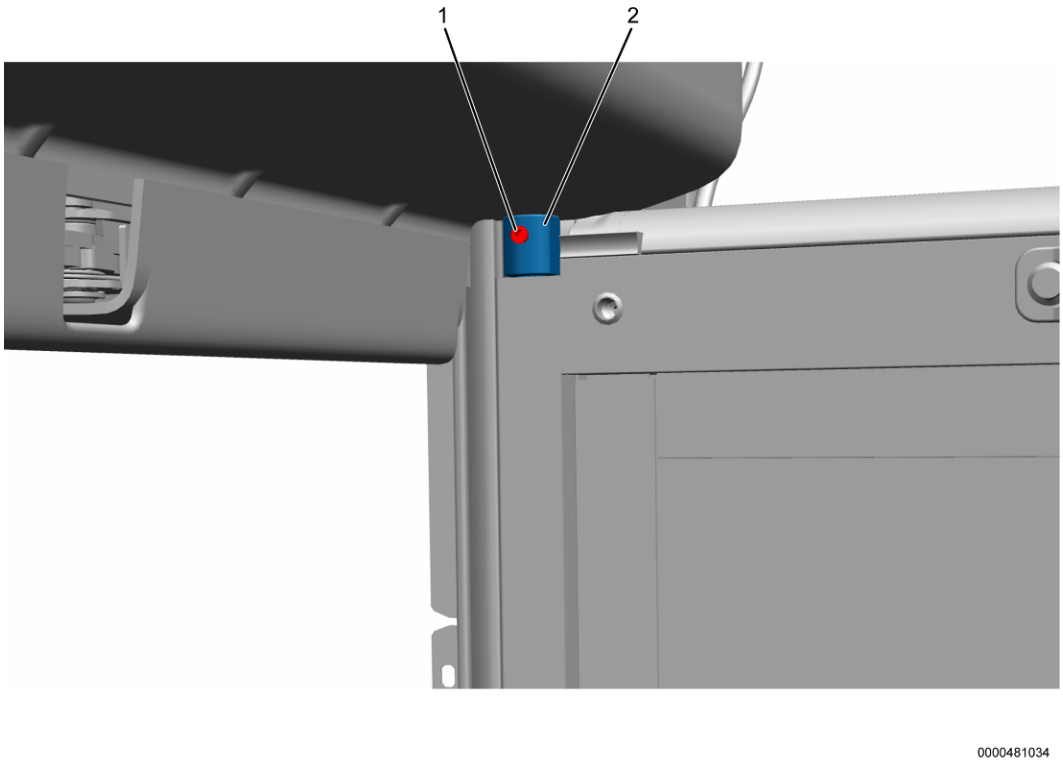


Figure 12. Entrance Door Collar

1. Set screw
2. Door collar

30. Tighten set screw (Figure 12, Item 1) located on door collar (Figure 12, Item 2) to 200 lb-in (22.6 N·m). Repeat for both entrance doors.

31. Proceed to Step 52.

ELECTRIC ACTUATOR REPAIR PROCEDURE

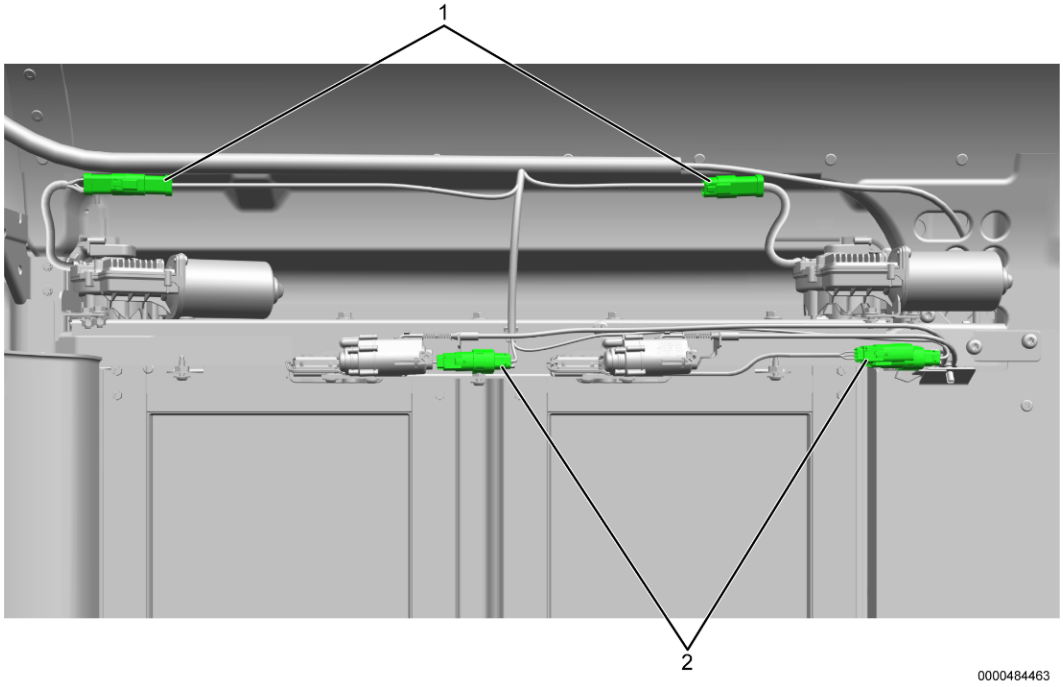


Figure 13. Electric Door Motor Electric Connections

1. Electric motor connector (2)
2. Door latch connector (2)

32. Disconnect two door latch connectors (Figure 13, Item 2).

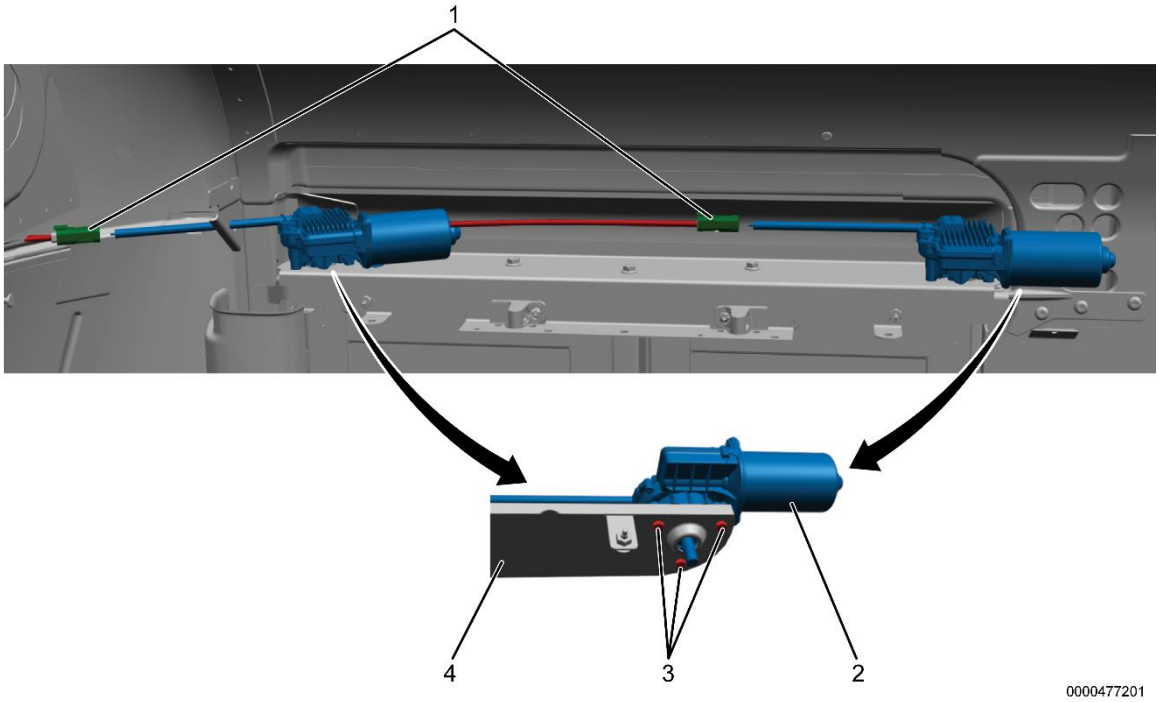


Figure 14. Entrance Door Electric Motor

1. Electric motor connector (2)
2. Entrance door electric motor (2)
3. M6 x 20 hex bolt (6, 3 shown)
4. Mounting support plate

33. Disconnect two electric motor connectors (Figure 14, Item 1), removing and discarding cable ties as necessary.

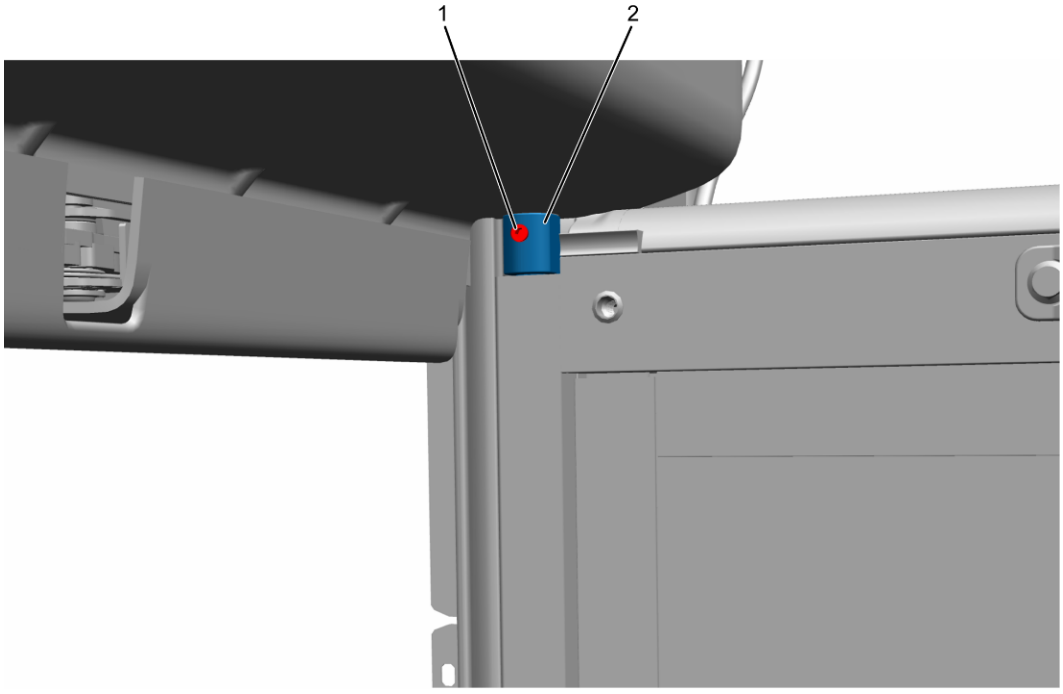


Figure 15. Entrance Door Collar

1. Set screw
2. Door collar

34. Remove and discard set screw (Figure 15, Item 1) located on door collar (Figure 15, Item 2). Repeat for both entrance doors.

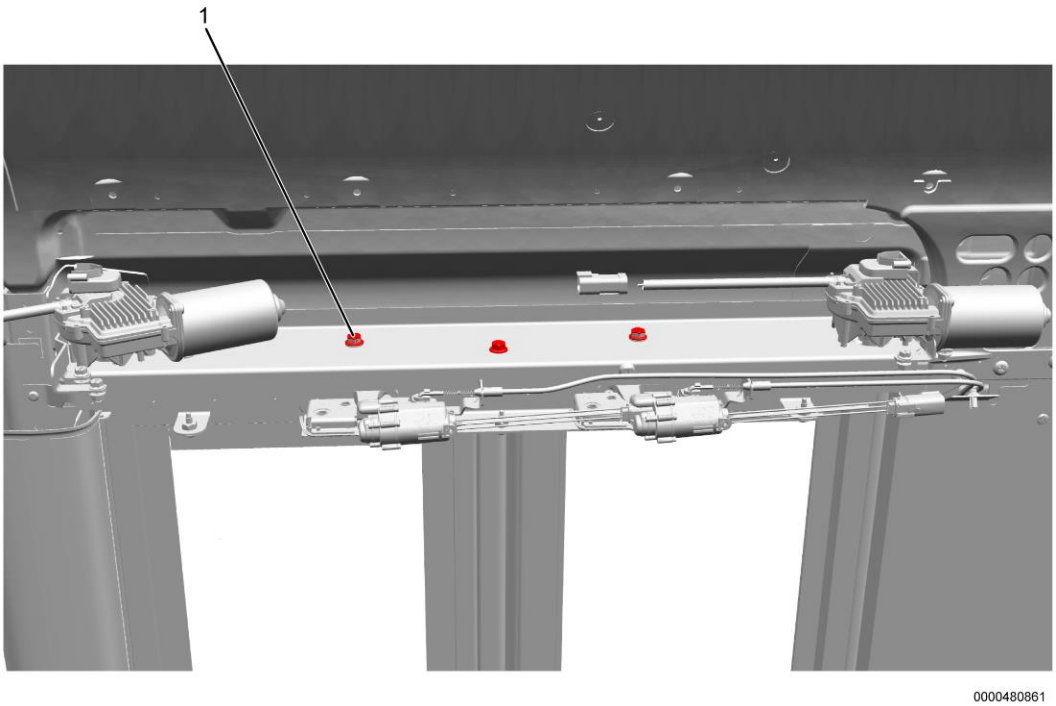


Figure 16. Electric Entrance Door Mounting Plate Bolts

1. M8 x 16 mounting plate bolt (3)

35. Remove three M8 x 16 mounting plate bolts (Figure 16, Item 1) from the mounting support and remove the assembly.

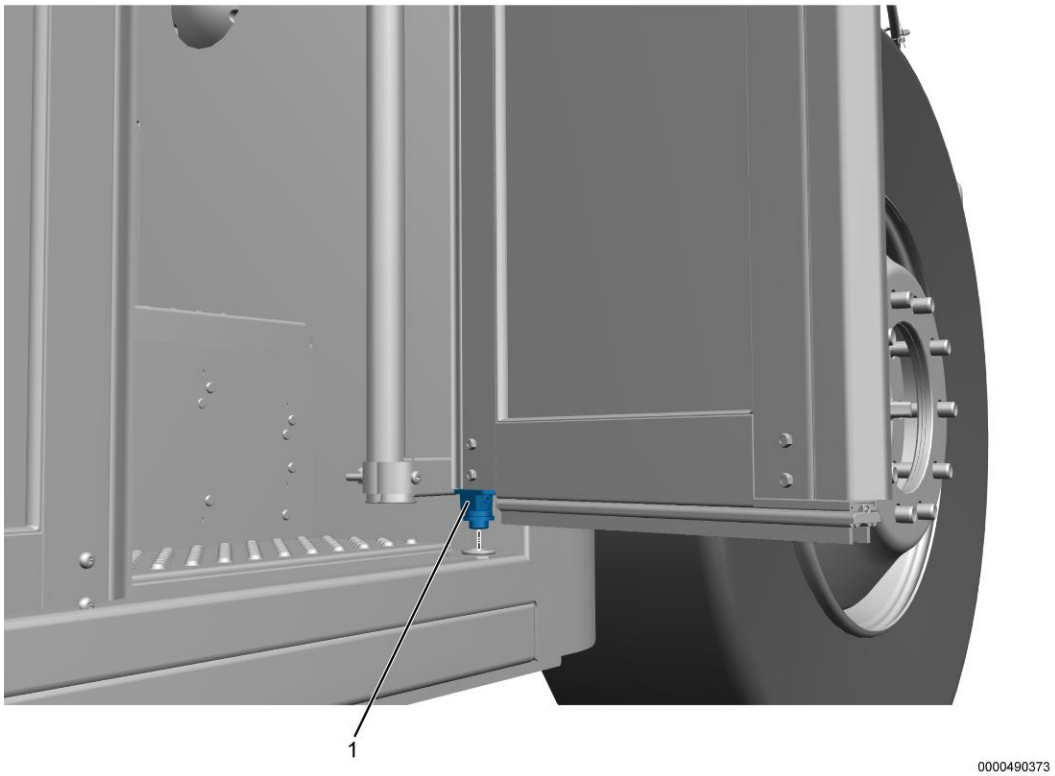


Figure 17. Entrance Door Lower Male Hinge

1. Lower male hinge

36. With entrance door in an open position, gently lift entrance door up to release lower male hinge (Figure 17, Item 1).

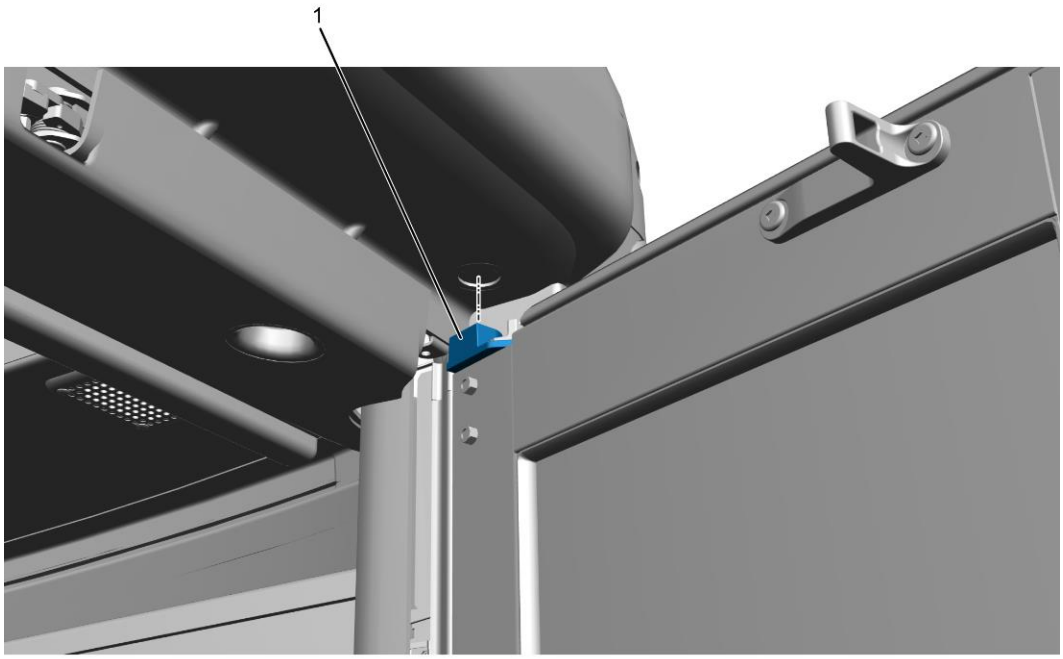


Figure 18. Entrance Door Upper Female Hinge

1. Upper female hinge

37. Gently tilt and lower door out of frame to release the upper female hinge (Figure 18, Item 1).

38. Place door flat on a protected surface.

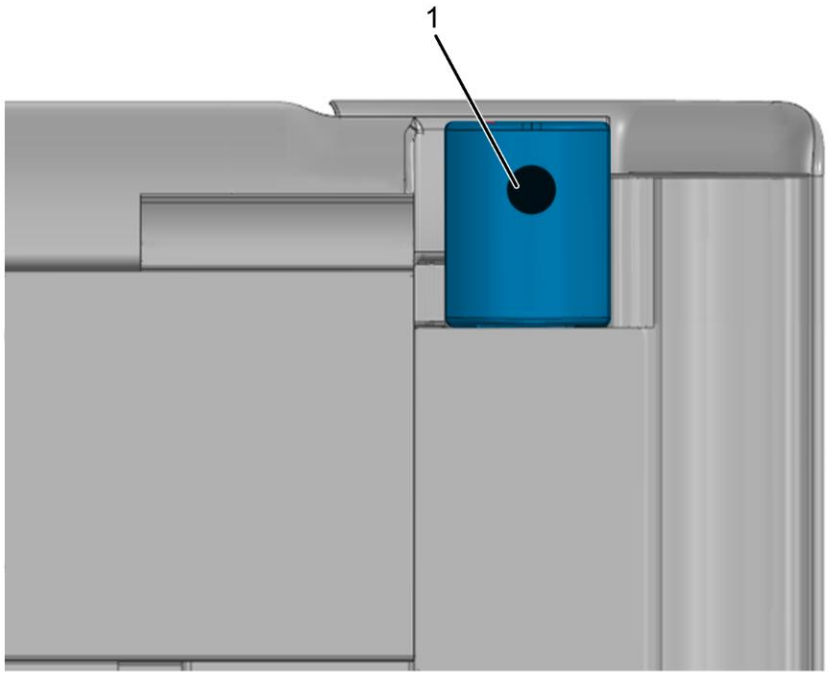


Figure 19. Set Screw Location
1. Set screw hole

39. Drill a new hole where the set screw was (Figure 19, Item 1), ensuring it is straight as possible. The new hole should have a 0.272 in diameter.

40. Tap the new hole with a 5/16 in-24 tap. Deburr and remove any metal shavings.

41. Apply Loctite 242, medium strength, BLUE liquid to the set screw threads, and partially insert the new 5/16 in-24 set screws into the new threaded hole.

42. Repeat Steps 36–41 for the other door leaf.

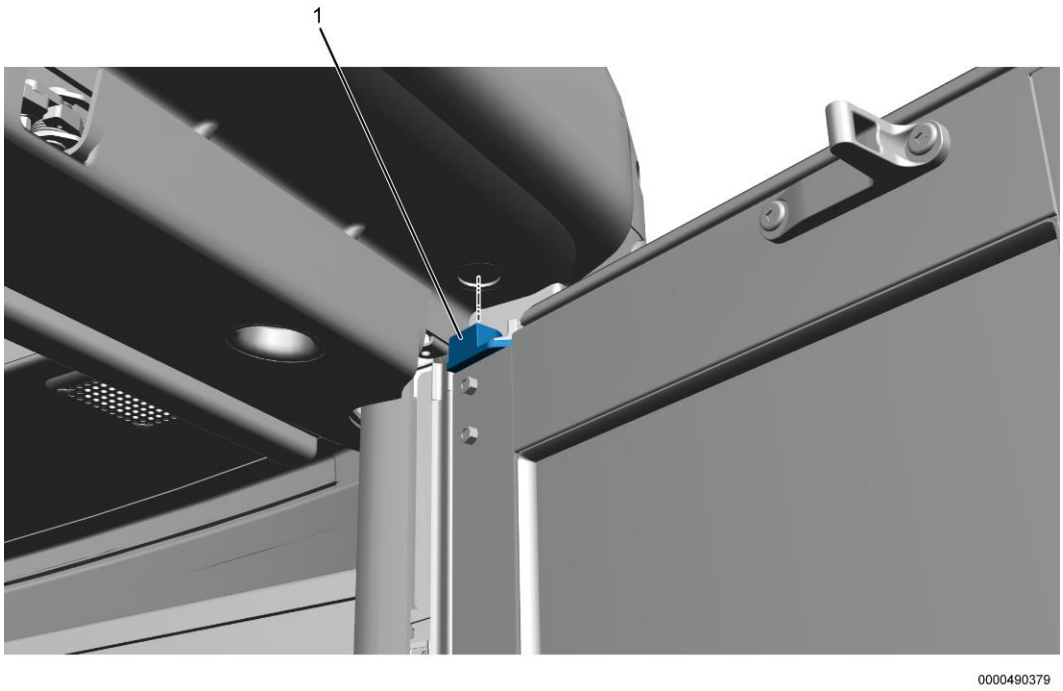


Figure 20. Entrance Door Upper Female Hinge

1. Upper female hinge

43. Gently tilt and raise door into frame, ensuring that upper female hinge (Figure 20, Item 1) slides into place.

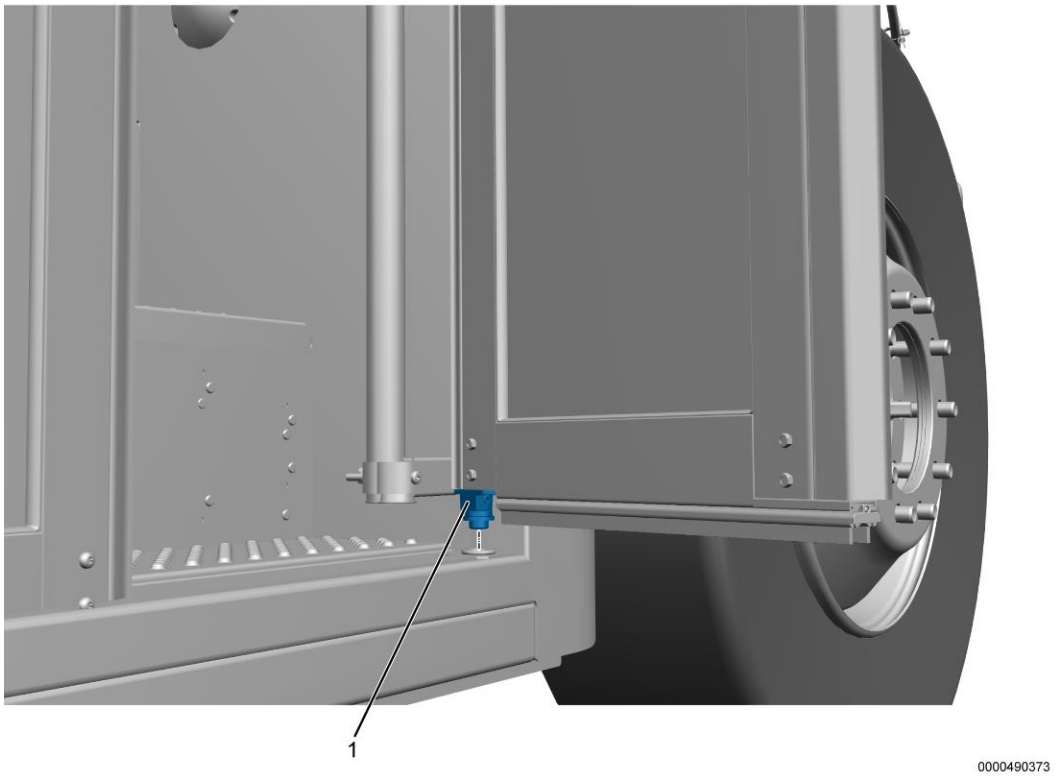


Figure 21. Entrance Door Lower Male Hinge

1. Lower male hinge

44. With entrance door in an open position, gently lift entrance door up to insert lower male hinge (Figure 21, Item 1).

45. Repeat Steps 43–44 for the other door leaf.

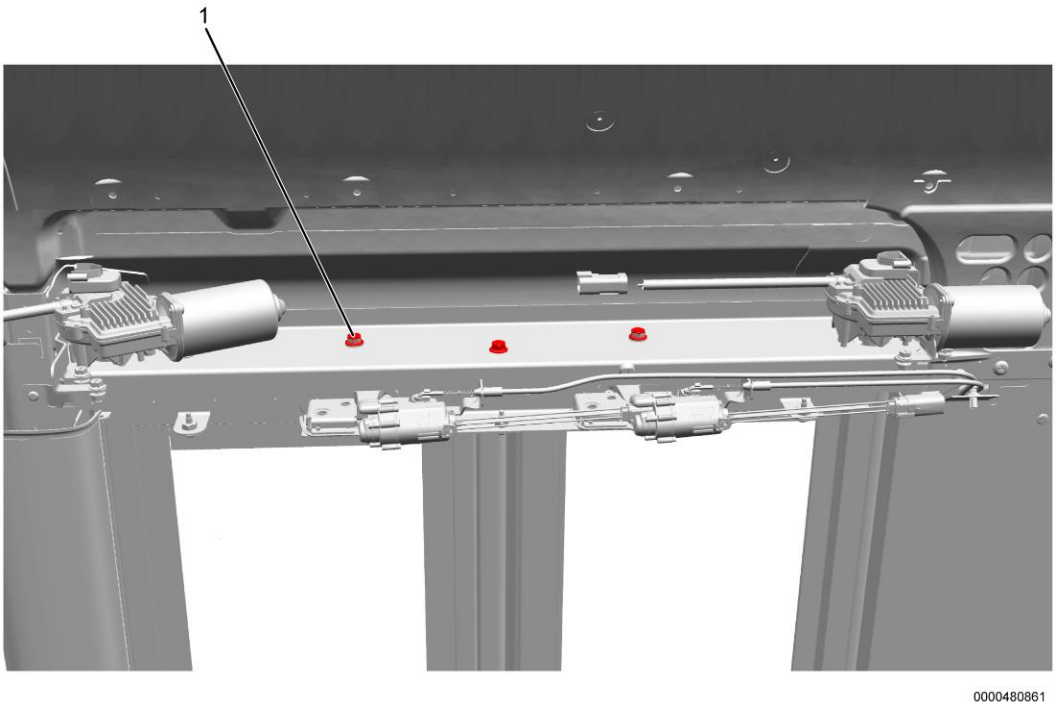


Figure 22. Electric Entrance Door Mounting Plate Bolts

1. M8 x 16 mounting plate bolt (3)

46. With entrance door electric motors secured to mounting plate, place electric motor assembly with mounting plate above door frame, ensuring that the door pivots are seated within door collar.

47. Secure mounting plate above entrance door with three M8 x 16 bolts (Figure 22, Item 1).

48. Tighten M8 x 16 bolts to 23–26 lb-ft (31–35 N·m).

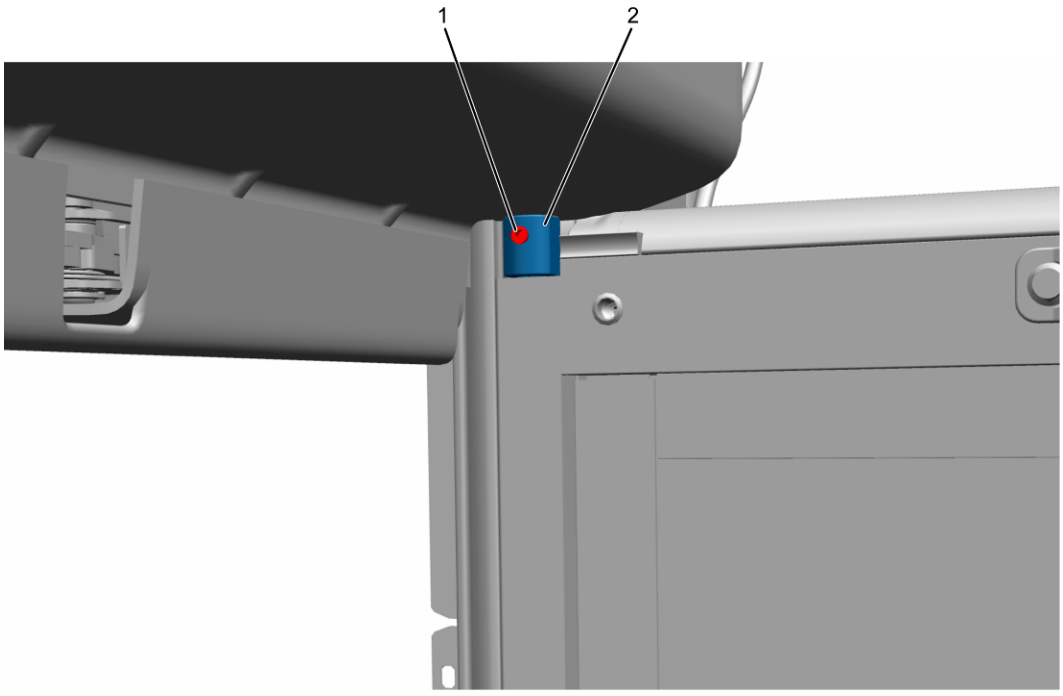


Figure 23. Entrance Door Collar

1. Set screw
2. Door collar

49. Tighten set screw (Figure 23, Item 1) located on door collar (Figure 23, Item 2) to 200 lb-in (22.6 N·m). Repeat for both entrance doors.

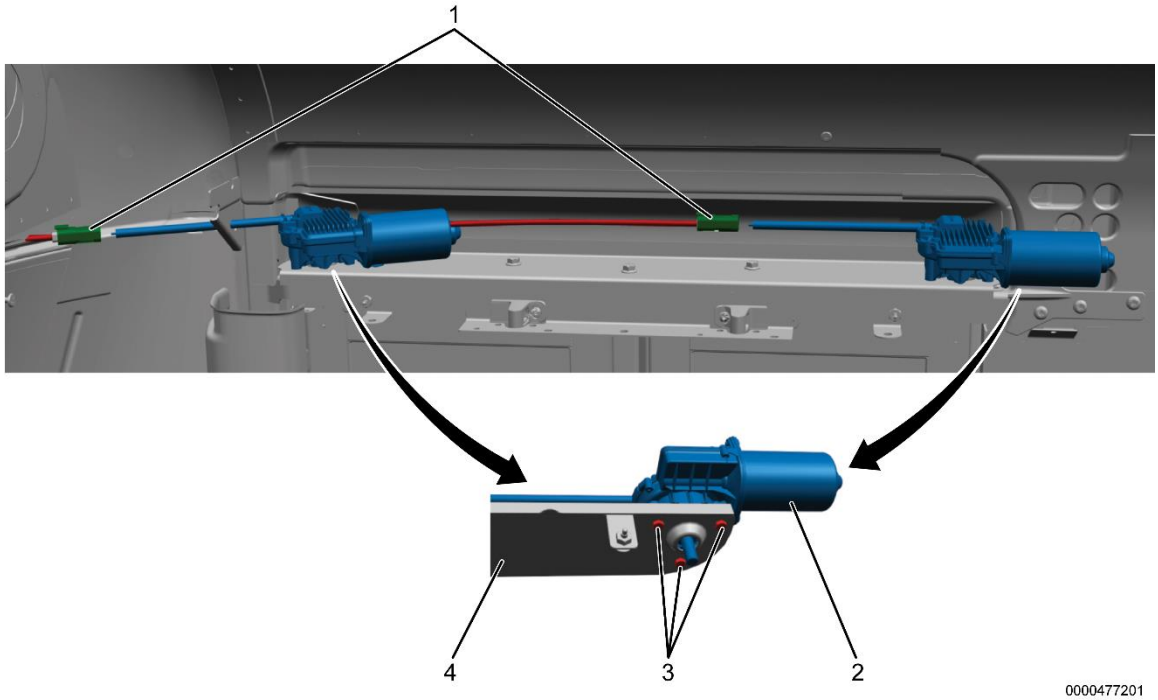


Figure 24. Entrance Door Electric Motor

1. Electric motor connector (2)
2. Entrance door electric motor (2)
3. M6 x 20 hex bolt (6, 3 shown)
4. Mounting support plate

50. Connect two electric motor connectors (Figure 24, Item 1) to entrance door electric motors (Figure 24, Item 2), and install cable ties as necessary.

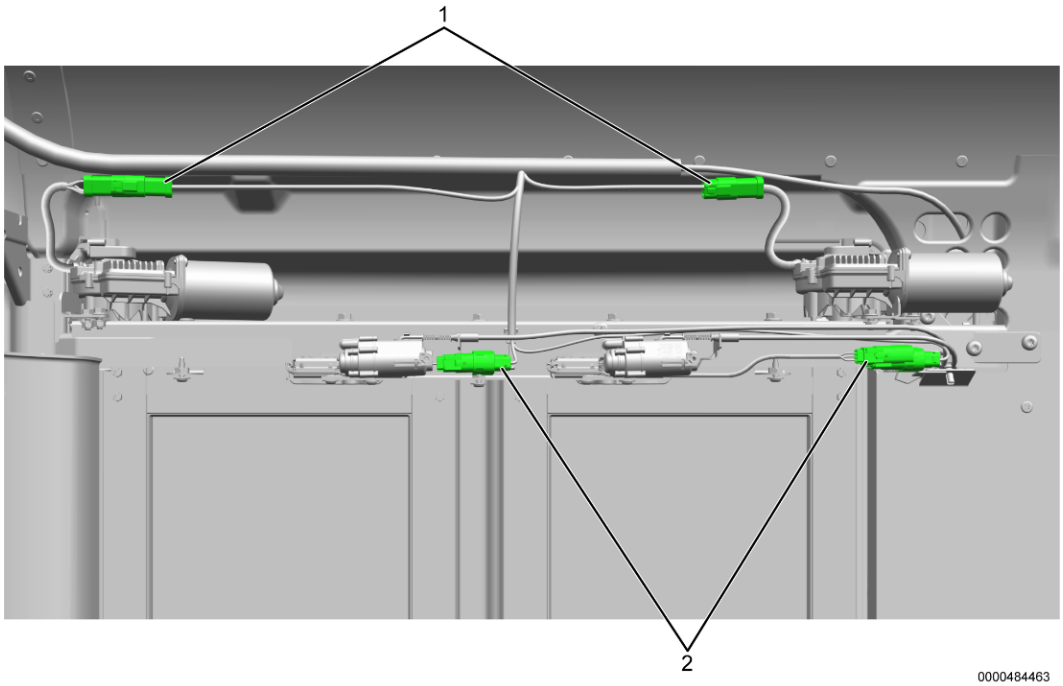


Figure 25. Electric Door Motor Electric Connections

1. Electric motor connector (2)
2. Door latch connector (2)

51. Ensuring the connectors match the actuator (FWD or AFT), connect the two door latch connectors (Figure 25, Item 2).

52. Install new battery negative terminal nut.

STRIKER ALIGNMENT PROCEDURE

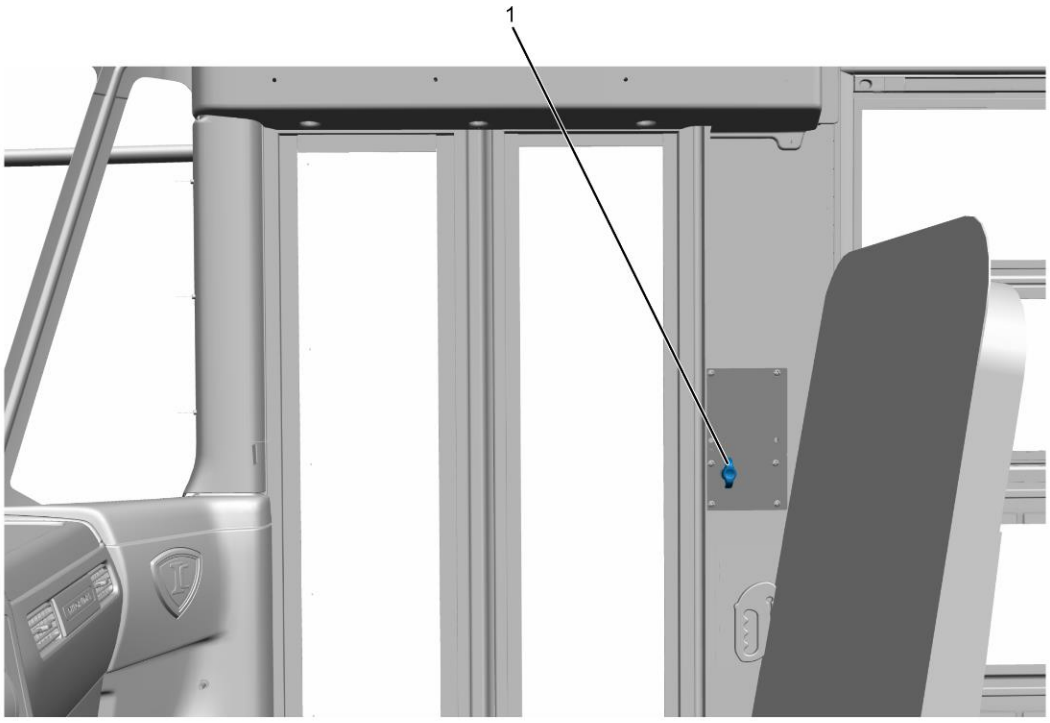


Figure 26. Manual Door Release

1. Manual door release

53. If the doors are not already in the open position, with Key ON, Engine OFF, turn manual door release (Figure 26, Item 1) to manual position and gently push open entrance doors.

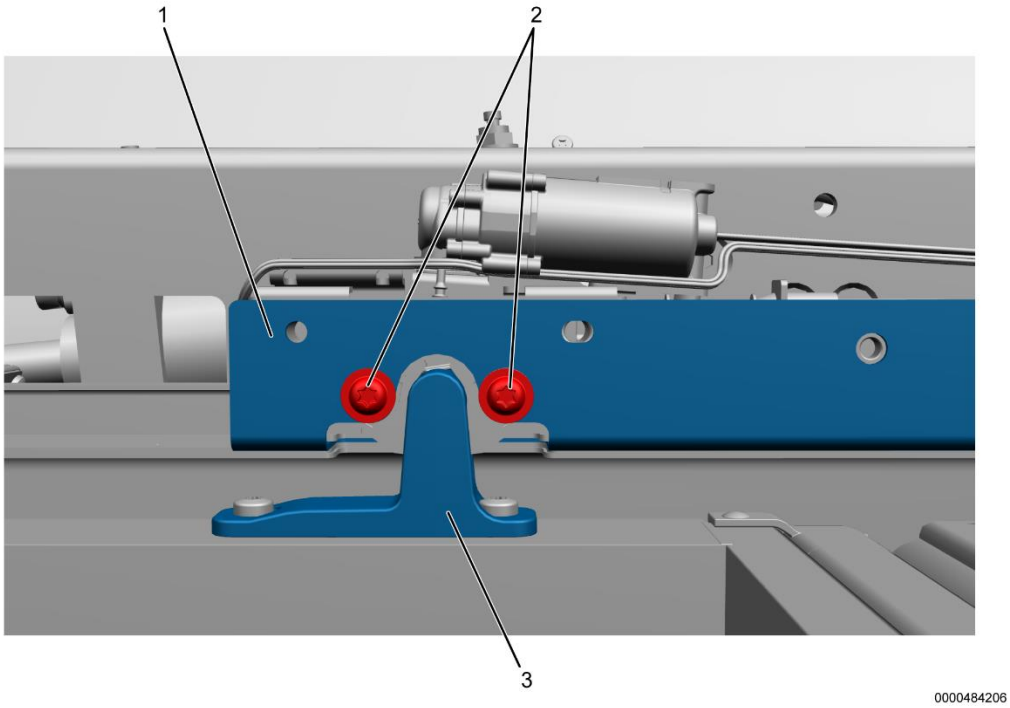


Figure 27. Latch Bolts

1. Latch
2. M6 x 20 mm Torx bolt (2)
3. Entrance door striker

54. Loosen two M6 x 20 mm Torx bolts (Figure 27, Item 2).

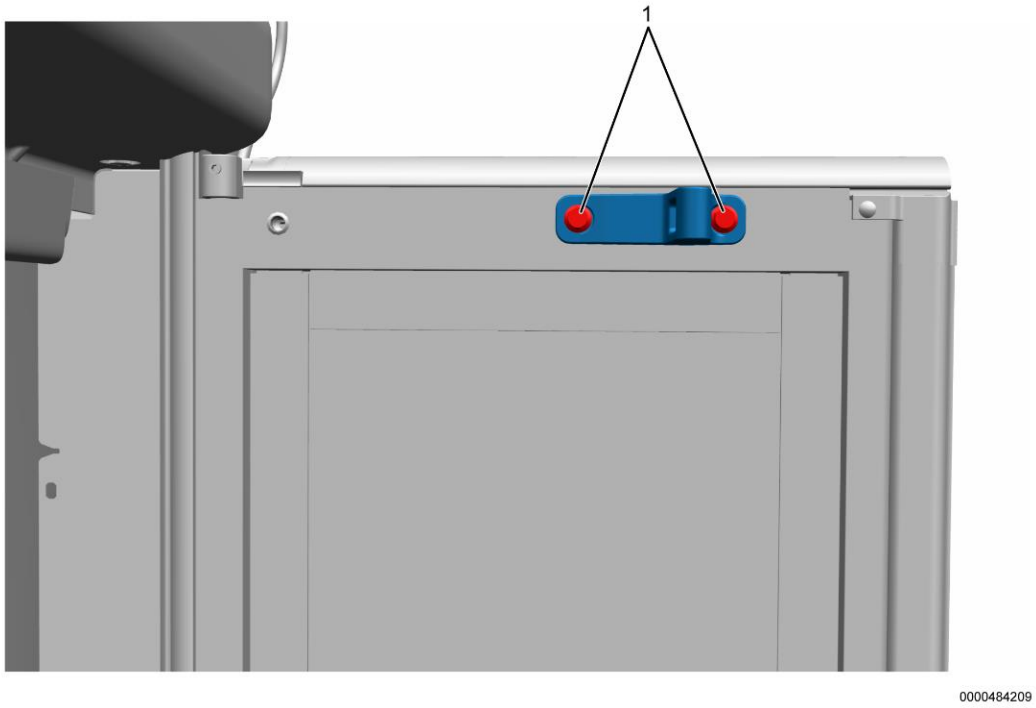


Figure 28. Entrance Door Striker Bolts

1. Striker M6 x 20 mm Torx bolt (2)

55. Loosen two striker M6 x 20 mm Torx bolts (Figure 28, Item 1).

56. Turn manual release to active position and close aft entrance door, then check entrance door striker and latch for proper alignment. The entrance door will make two audible clicks when closed and latched properly.

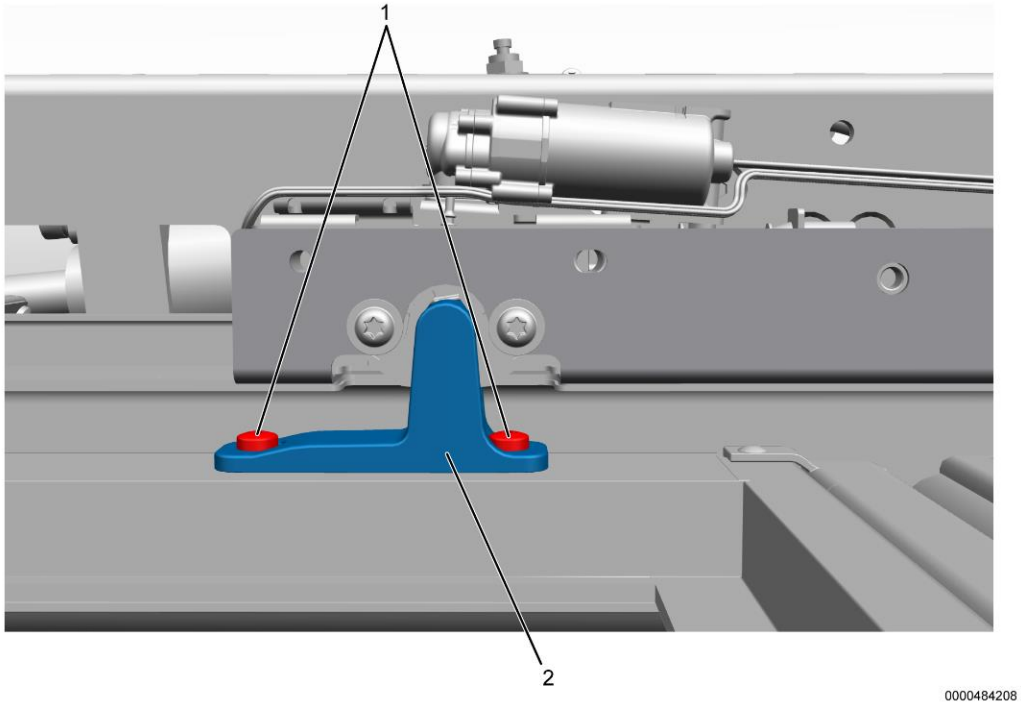


Figure 29. Entrance Door Striker

1. M6 x 20 mm Torx bolt (2)
2. Entrance door striker

57. Once determined that entrance door striker is in the correct position, hand tighten two M6 x 20 mm Torx bolts (Figure 28, Item 1) on entrance door striker (Figure 29, Item 2).

58. Turn manual release to manual position and gently push open aft entrance door.

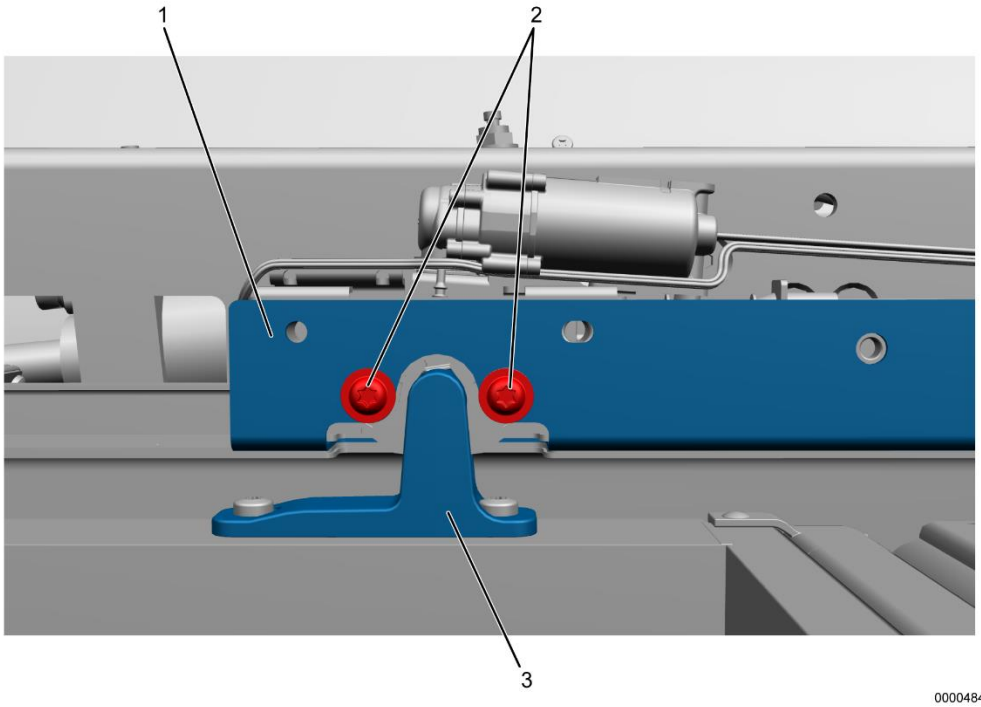


Figure 30. Latch Bolts

1. Latch
2. M6 x 20 mm Torx bolt (2)
3. Entrance door striker

59. Tighten two M6 x 20 mm Torx bolts (Figure 30, Item 2) to 4.4–5.9 lb-ft (6–8 N·m).

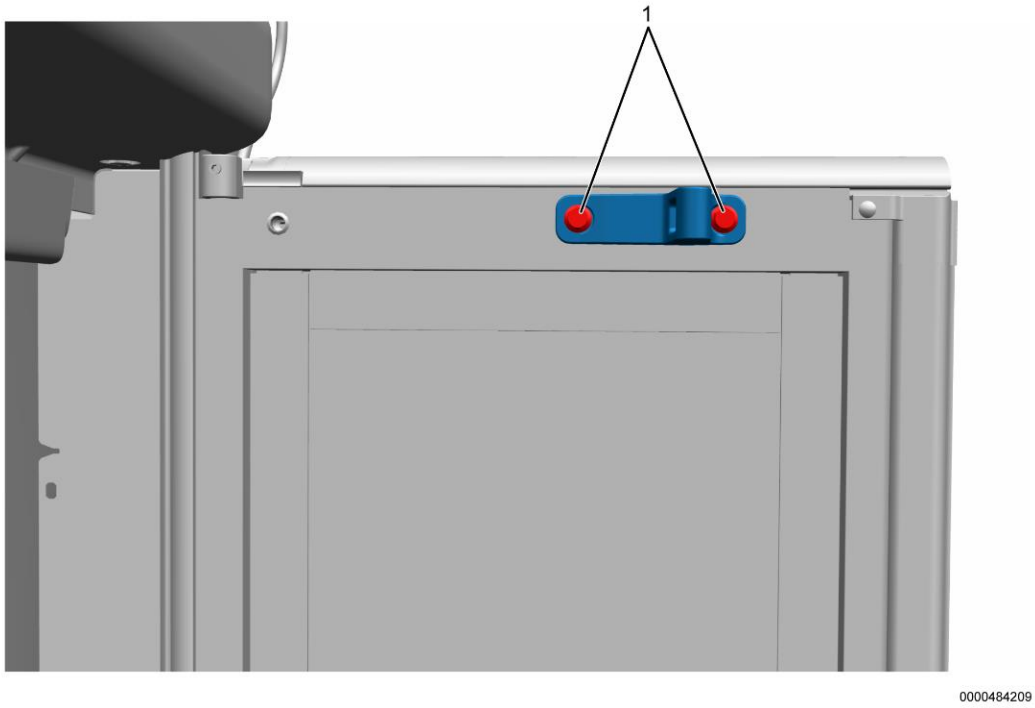


Figure 31. Striker Bolts

1. M6 x 20 mm bolt (2)

60. With entrance door open, tighten two M6 x 20 mm striker bolts (Figure 31, Item 1) to 7.1–7.9 lb-ft (9.7–10.7 N·m).

61. Turn manual release to active position and close aft entrance door.

62. Repeat Steps 54–61 for forward entrance door if required.

63. Once entrance door striker has been properly aligned, open and close entrance doors to check alignment, listen for two audible clicks for each entrance door, and check alignment.

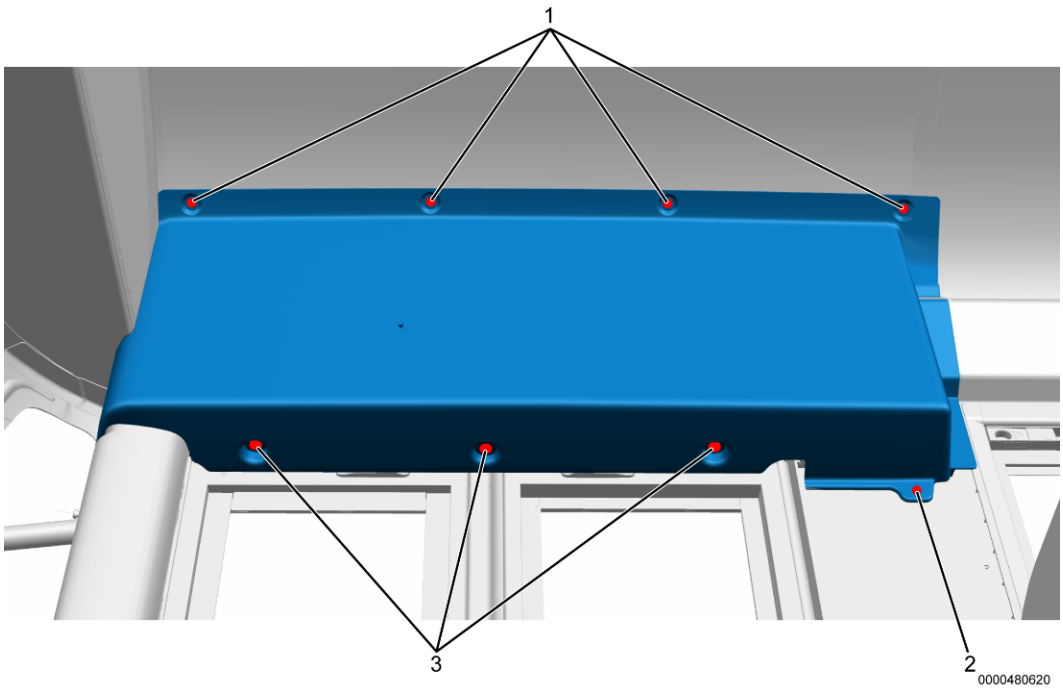


Figure 32. Entry Door Overhead Compartment

1. 8 mm push-in fastener (4)
2. M6 x 20 mm flanged Torx screw (3)
3. 12–14 x .75 mm pan head Torx screw

64. Install overhead panel with four 8 mm push-in fasteners (Figure 32, Item 1) in entry door overhead compartment.

65. Secure three M6 x 20 mm flanged Torx screws (Figure 32, Item 2) and one 12–14 x .75 mm pan head Torx screw (Figure 32, Item 3) in entry door overhead compartment and hand tighten.

66. If equipped, turn 12V disconnect to the ON position.

67. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-26901-1	Remove doors, drill, and install 5/16 in set screw.	0.8 hrs

Table 3 Labor Information

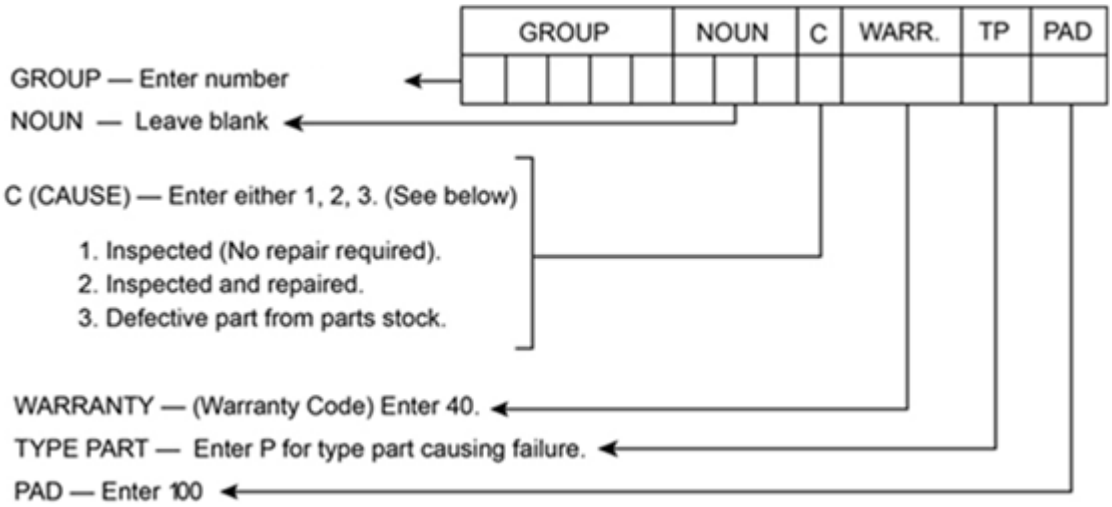
ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number 26901.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submission, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To ensure this important improvement is made in a timely manner, all claims for 26901 activity must be submitted by 15 JUNE 2027 or within the normal warranty period for the component repaired, if after 15 JUNE 2027.



International Motors, LLC*

***International Motors, LLC d/b/a**

International Motors USA LLC in Illinois and Ohio.