

Date: March 15, 2019

SERVICE BULLETIN

Service Bulletin No.: 2019-0032

Product Models Affected:

World Trans (WT) 2xx, 2016MY thru 2019MY

FORM Rev 2017-0323

Purpose:

Inspect and repair, as necessary, EV-1 or EV-96 Evaporator installation.

Tool(s) / Equipment Required:

9/16 socket with 6.00 inch extension
Ratchet or Impact Wrench
9/16 open end wrench
Jack stands (2)
Phillips screw driver
Die grinder

Part(s) / Material Required:

<u>Description</u>	<u>Part Number</u>	<u>Quantity</u>
EV-1 Kit Parts		
3/8-16X1.25 stud without spring	0014606	2
3/8 flat washer	0000318	2
3/8-16 Nylock hex nut	0001001	2
EV-96 Kit Parts		
3/8-16X3.00 stud without spring	0039734	2
Spacer, 0.41 I.D. X 1.75 O.D. X1.13LG	0039733	2
3/8 flat washer	0000318	2
3/8-16 Nylock hex nut	0001001	2

Procedure:

General

1. Locate EV1 Evaporator or EV-96 Evaporator at the rear of vehicle. Reference Photo #1 (EV-1) and Photo #2 (EV-96).



Photo #1
EV-1



Photo #2
EV-96

2. Remove the evaporator cover from the unit. Reference Photo #3 and Photo #4.



Photo #3
EV-1



Photo #4
EV-96

3. Inspect EV-1 Evaporator or EV-96 Evaporator to see if there are fasteners securing unit to the ceiling.

If there are fasteners attaching the unit to the ceiling on both sides, reinstall the evaporator cover. No Further Actions Are Required.



Photo #5
EV-1 or EV-96

If there are no fasteners attaching the evaporator to the ceiling, reference Photo #6, continue with the repair steps below for the appropriate evaporator unit – **EV-1 Repair Instructions** or **EV-96 Repair Instructions**.



Photo #6
EV-1 or EV-96

EV-1 Repair Instructions

4. Place two support stands under evaporator and raise stands to fit snug under evaporator. Reference Photo #7.



Photo #7
EV-96 shown

5. Mark ceiling along the front of the evaporator and on both driver's and passenger's side.
6. Remove the nuts attaching evaporator to rear wall brackets.

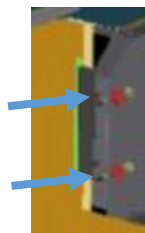


Photo #8

Warning

This is a two-person task.
One person should hold the evaporator as the nuts are removed
to prevent the evaporator from falling off the jack stands.

7. Slide evaporator forward enough to clear bracket bolts, placing the evaporator onto the jack stands. Reference Photo #9.
8. Using the jack stands, lower the evaporator enough for the angle die grinder's blade to fit between the evaporator and ceiling material – approximately 3 inches. Reference Photo #9.



Photo #9
EV-96 shown

9. Using the die grinder, remove ceiling material between the marks in ceiling and rear wall. Reference Photo #10.



Photo #10

10. Insert studs into top-front slot of evaporator on both sides.
11. Slide one washer onto each of the stud.
12. Tighten nuts onto each stud.
13. Turn studs such that the studs slide into the uni-strut track in the ceiling. Reference Photo #11.



Photo #11

14. Raise evaporator up towards ceiling.
15. Twist studs to lock unistrut nut into track.
16. Re-install rear wall bracket nuts and tighten firmly.
17. Tighten ceiling mounting nuts down firmly.
18. Install evaporator cover, reversing the steps for removal. Ensure rubber gasket around cover edge does not twist.

EV-96 Repair Procedures

19. Place two support stands under evaporator and raise stands to fit snug under evaporator.



Photo #12

20. Mark ceiling along the front of the evaporator on both driver's and passenger's side.

21. Mark location of front slot of the evaporator on both driver's and passenger's side.

22. Remove nuts attaching evaporator to rear wall brackets.



Photo #13
EV-96 shown

Warning

This is a two-person task.
One person should hold the evaporator as the nuts are removed
to prevent the evaporator from falling off the jack stands

23. Slide evaporator forward enough to clear bracket bolts, placing the evaporator onto the jack stands. Reference Photo #14.
24. Using the jack stands, lower the evaporator enough for angle die grinder's blade to fit between the evaporator and ceiling material – approximately 3 inches. Reference Photo #14.



Photo #14

25. Using the die grinder, remove ceiling material between the marks in the ceiling and approximately an additional one inch of ceiling material towards the rear wall. Reference Photo #15.



Photo #15

26. Slide one stud into each spacer. Reference Photo #16.



Photo #16

27. Insert stud-spacer assemblies into top-front slot of the evaporator on both sides. Reference Photo #16.

28. Slide one washer onto each stud-spacer assembly. Reference Photo #16.

29. Tighten nuts onto stud-spacer assemblies, 3-4 turns.

30. Turn stud-spacer assemblies such that the studs slide into the uni-strut track in the ceiling. Reference Photo #16.

31. Raise evaporator up towards the ceiling.

32. Twist the stud-spacer assemblies to lock into the ceiling track. Reference Photo #17.

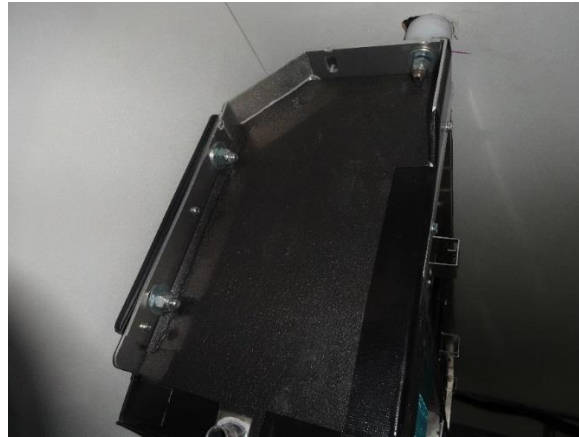


Photo #17

33. Re-install the rear wall bracket nuts and tighten firmly. Reference Photo #17.

34. Tighten the ceiling mounting nuts down firmly. Reference Photo #17 and Photo #18.



Photo #18

35. Install evaporator cover, reversing the steps for removal. Ensure rubber gasket around cover edge does not twist.



Contact Information:

Contact Eldorado Customer Service, 1655 Wall Street, Salina, KS 67401; or by calling (785) 827-1033 / (800) 955-9086; or by Email: bussupport@eldorado-bus.com; or by Fax: (785) 827-3017.

Estimate time to repair is 60 minutes.