

| | |
|----------------------------|--------------------------------------------------------|
| REFERENCE: | Nova Bus Manuals |
| SECTION: | 10: Allison electric drive E ^P -40/50 sytem |
| RS N°: | N/A |
| EFFECTIVE IN PROD.: | N/A |
| TC RECALL N°: | N/A |
| NHTSA RECALL N°: | 18V670 |

APPLICATION DEADLINE: NA
CLAIM REFERENCE NUMBER: SR-4437

| | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SUBJECT: | Allison electric drive E ^P -40/50 |
| JUSTIFICATION: | Allison Transmission Inc. informed Nova Bus that some pressure switches used in the switch assembly may fracture. This condition may result in a loss of propulsion with no possibility of regaining it. |

| LEVEL | DESCRIPTION | DIRECT CHARGES | | TIME |
|-------|---------------------------------------------------------------------|----------------|----------|------------|
| | | LABOUR | MATERIAL | |
| 1 | Contact your nearest Allison transmission certified service center. | Allison | Allison | 1,2 to 4 h |
| 2 | – | – | – | – |

MATERIAL

| QTY | PART N° | REV. | DESCRIPTION | REPLACES PART N° |
|----------------|---------|------|-------------|------------------|
| LEVEL 1 | | | | |
| – | – | – | – | – |
| LEVEL 2 | | | | |
| – | – | – | – | – |

Materials will be available via the Allison Transmission distribution network.

DISPOSAL OF PARTS

| | | | |
|---------------------------|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------------|
| REMOVED PARTS ARE: | DISCARDED * | RETAINED | * Dispose of the unused parts and the defective parts in accordance with local environmental standards in effect. |
| | Yes | – | |

REVISION HISTORY

| REV. | DATE | CHANGE DESCRIPTION | WRITTEN BY |
|------|----------|--------------------|--------------|
| NR | 2018OC05 | Initial release | Luc Carignan |

| CLIENT | ORDER | ROAD NUMBER | | VIN (2NVY/4RKY...) | | QTY |
|----------------------------------|-------|-------------|----|--------------------|---------------|-----|
| | | FROM | TO | FROM | TO | |
| Duke University - North Carolina | LA38 | — | — | L82L9H9775994 | L82L9H9775994 | 1 |
| Duke University - North Carolina | LA39 | — | — | S92LXH9775995 | S92LXH9775995 | 1 |

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

PROCEDURE

- 1.1. Contact your nearest Allison Transmission Inc. certified service center to have the requirement of this recall campaign done to your vehicles.

**NOTE**

Allison Transmission Inc. has provided the instruction included in this document. Nova Bus cannot be held responsible under any circumstances for the content of this procedure.





***** IMPORTANT SAFETY RECALL *****
NHTSA Recall No. 18E-085

This notice applies to your Allison Transmission drive unit set:

| Drive Unit Serial Number | Bus Manufacturer | Bus Vehicle Identification Number (VIN) |
|--------------------------|------------------|-----------------------------------------|
| 7110008992 | Nova Bus | 4RKYL82L9H9775994 |
| 7110008999 | Nova Bus | 4RKYS92LXH9775995 |
| | | |

August XX, 2018

Customer
XXXX CENTRAL AVE
ALBANY NY 12205-2457

Dear Allison Transmission Customer:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Allison Transmission Inc. has decided that a defect which relates to motor vehicle safety exists in certain H 40/50 EP Drive Units™ manufactured between January 4, 2017 and June 4, 2018. Our records indicate that your Allison drive unit(s) listed above is (are) affected.

WHY IS A RECALL BEING CONDUCTED?

Due to an out-of-specification material condition at the pressure switch supplier, the plastic molding used in the switch assembly may fracture. This condition may result in a failure of the pressure switch in either an open or closed state, triggering a diagnostic trouble code. In some circumstances, switch failures in the closed position can potentially disable propulsion at any time during a drive cycle without the ability to regain propulsion, presenting an increased risk of a vehicle crash and/or injury to offloading passengers in the roadway.

WHAT ARE WE DOING ABOUT THE PROBLEM?

ATI's authorized service network will be utilized to replace the C1 and C2 pressure switches used in each affected drive unit at no charge (parts and labor). ATI expects the repair time to range from 1.2 to 4.0 hours, excluding vehicle and shop logistics.

WHAT SHOULD YOU DO?

Contact the nearest authorized Allison service outlet to arrange to have this campaign performed on your drive unit. The service outlet will work with you to schedule the best date to complete this repair.

Federal law requires vehicle lessors receiving this recall notice to forward a copy of this notice to the lessee within ten (10) days. Also, it is a violation of Federal law for a dealer to deliver a new vehicle or equipment covered by this recall notice under a sale or lease until the defect has been remedied.

If you have already had this recall performed, no further action is required; please disregard this notification.

[Allison Transmission Inc. | One Allison Way | Indianapolis, IN 46222-3271](#)

**QUESTIONS OR CONCERNS?**

If you have questions or concerns about this recall, please contact your local Allison Authorized facility. You may also contact Allison's TAC at (800) 252-5ATD (5283).

If you have a complaint relative to this recall, you may report it to the following:

Administrator
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, DC 20590

You may also call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

If you are no longer the owner of the vehicle(s) listed above, please forward this notice to the new owner or provide the new owner's contact information to Allison's TAC at the number above so that we can notify the new owner of this recall.

Allison is taking this action in the interest of safety and satisfaction with our products. We apologize for any inconvenience and thank you for your attention to this matter.

Sincerely,

Campaign Administrator
Allison Transmission Inc.