

### SUBJECT

Nikola Safety Recall # 23VDC0301; NHTSA Recall # 23V-249  
Park Valve Module Replacement

**Issue Date:** 5/8/2023

### APPLICABLE MODELS / VINS

**Model:** 2022 – 2024 Tre BEV

**VINs:** 1N9ABB1A6N2393001 thru 1N9ABB1A5N2393040  
1N9APB1A4N2393001 thru 1N9APB1A2N2393188  
1N9APB1A0P2393189 thru 1N9APB1AXP2393264  
1N9APB1A8R2393265 thru 1N9APB1A9R2393324

### OVERVIEW

The Bendix Intellipark Park Valve Module (PVM) may intermittently become stuck in the un-parked position and may not transition from un-parked to parked when the Park Switch is pulled on the vehicle dashboard.

### PARTS REQUIRED

Qty.	Part No.	Description
1	PN01358487 or PN01358489	Park Valve Module

### COMMENTS

N/A

### LABOR INFORMATION

**Labor Operation:** Park Valve Module Replacement

**Labor Code:** 12-502730100

**Labor Time:** 0.5 Hours

### DISPOSITION INFORMATION

Return the removed PVM to:

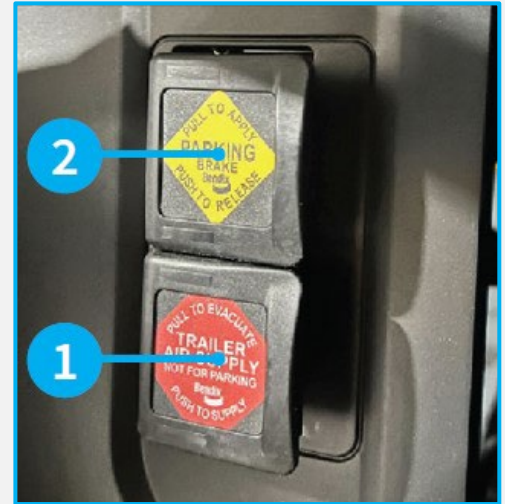
#### Coolidge Quarantine Inventory

**Nikola Corporation**  
**680 East Houser Road**  
**Coolidge, AZ 85128**

### PROCEDURE

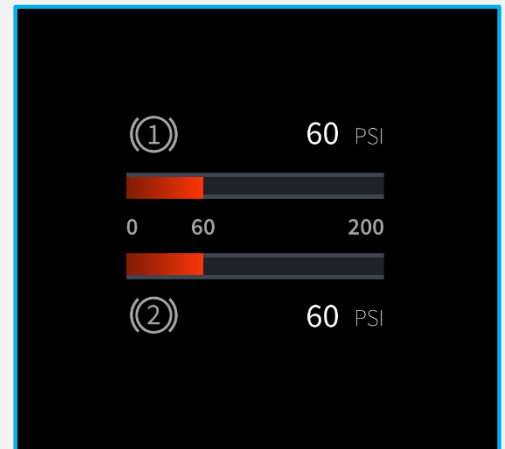
### Brake Air System Bleed

1. Place wheel chocks on the truck's tag axle wheels.
2. Fan the truck brakes as follows:
  - a. If a trailer is connected, pull the Trailer Air Supply Brake switch **(1)** to evacuate its air and apply/set the trailer brakes.
  - b. Push in the Truck Parking Brake switch **(2)** to release the parking brakes.



- c. Pump the brake pedal until the system air pressure drops to under **60 psi (413.7 kPa)**.

**Note:** The "BRAKE" telltale lamp/warning message will appear, and air pressure gauge color will change to RED on the cluster display.



### PROCEDURE

- d. Continue to pump the brake pedal until the system air pressure drops below **5 psi (34.5 kPa)**.

**Note:** The "BRAKE" telltale lamp/warning message will continue to appear, and an audible alert will sound.



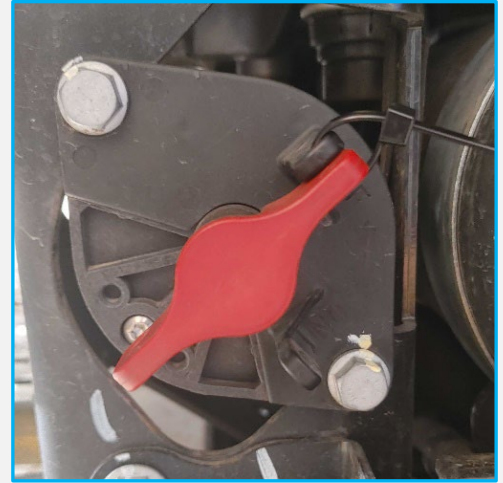
- e. Without pressing the brake pedal, press the START / STOP button once to transition the truck into the OFF mode.



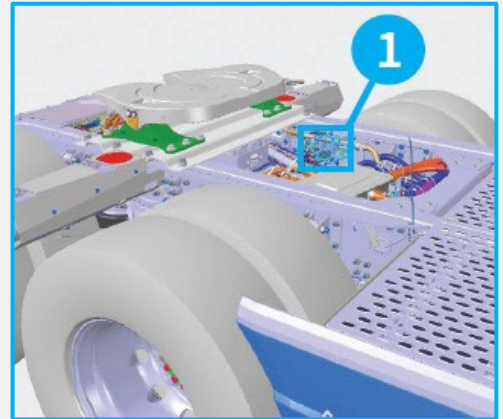
### PROCEDURE

### Parking Brake Valve Module Removal

1. Use the manual battery disconnect (MBD) to disconnect the vehicle's electrical system.

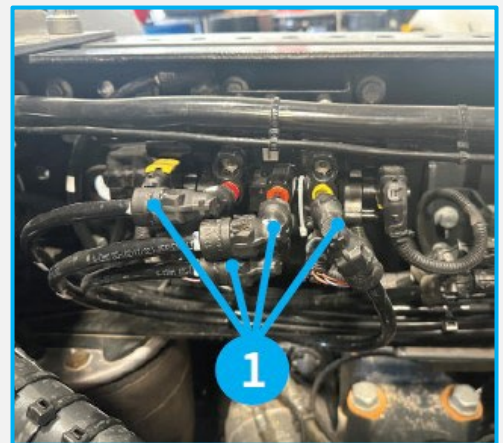


2. Locate the PVM **(1)** at the rear of the truck, installed above the E-axle.



3. Remove the four air hoses **(1)** from the PVM.

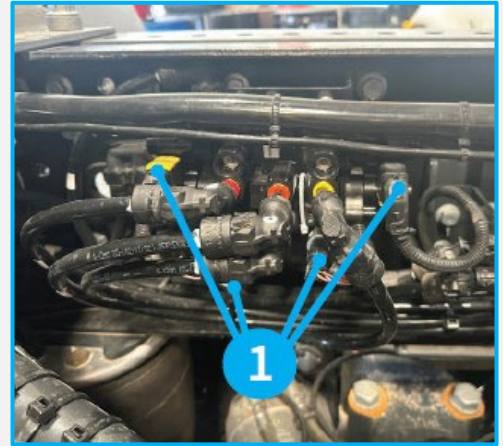
**Note:** Mark the air hoses for ease of installation.



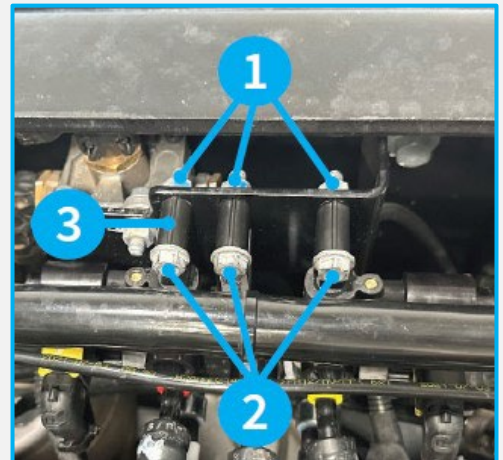
### PROCEDURE

- Remove the four electrical connectors **(1)** from the PVM.

**Note:** Mark the electrical connectors for ease of installation.



- Remove the three nuts **(1)** from the three bolts **(2)**.
- Remove the three bolts **(2)** from the PVM **(3)**.
- Remove the PVM **(3)** from the truck.



- Locate the label **(2)** and record the serial number from the removed PVM **(1)**.

**Note:** The serial number will be a five-digit number **(A)** found on the label **(2)**



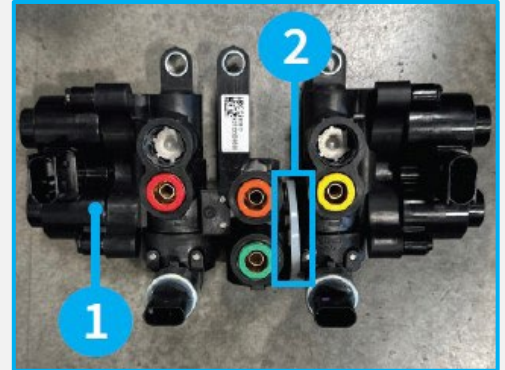
- Record the vehicle mileage.

### PROCEDURE

### Parking Brake Valve Module Installation

1. Check and make sure the PVM **(1)** being installed has a cable tie **(2)** installed as seen in the figure.

**Note:** Do not remove the cable tie. The cable tie identifies the newly updated PVM.

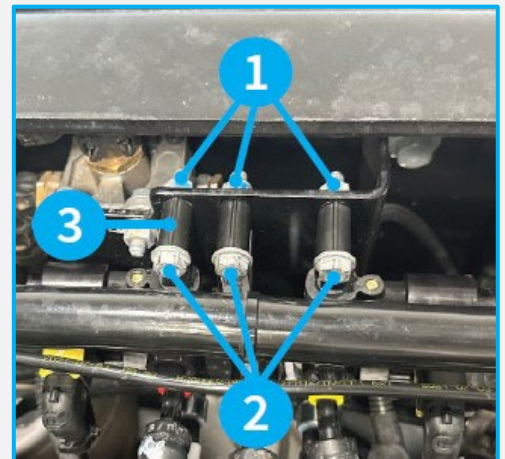


2. Locate the label **(2)** and record the serial number from the new PVM **(1)**.

**Note:** The serial number will be a five-digit number **(A)** found on the label **(2)**



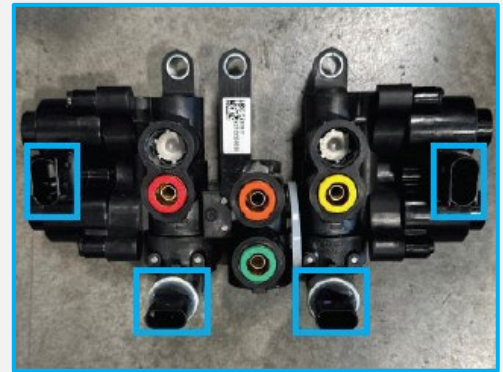
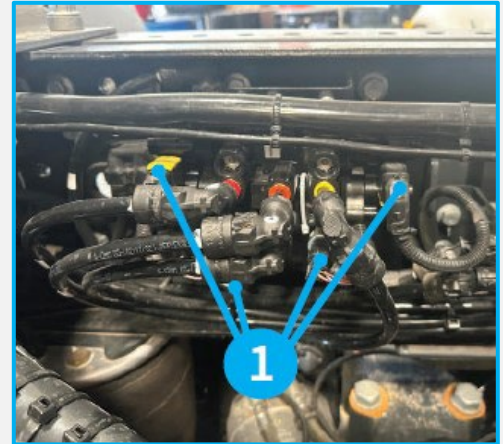
3. Position the PVM **(3)** into place on the truck.
4. Install the three bolts **(2)** into the PVM **(3)**.
5. Install the three nuts **(1)** onto the three bolts **(2)**.
6. Use a torque wrench to torque the three bolts **(2)** to **175 ± 25 lb-in (20 ± 3 N·m)**.



### PROCEDURE

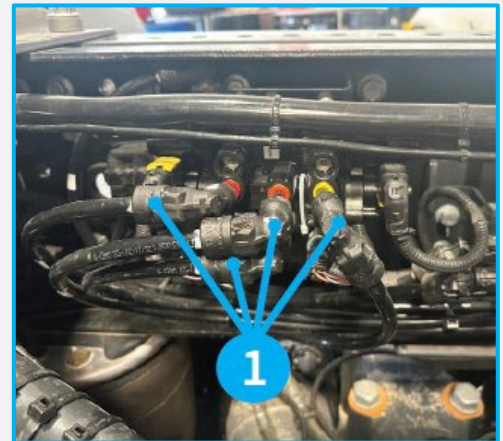
7. Install the four electrical connectors (1) to the PVM.

**Note:** Make sure the four electrical connectors are installed in the correct location as marked during removal.



8. Install the four air hoses (1) to the PVM.

**Note:** Make sure the four air hoses are installed in the correct location as marked during removal.



### PROCEDURE

9. Use the MBD to reconnect the vehicle's electrical system.



10. While pressing the brake pedal, press the START / STOP button once to transition the truck into the ON / Standby mode.



11. Check the brake system air pressure as follows:

- a. Allow the E-compressor to build initial air pressure to **179 ± 1 psi (1234 ± 6.9 kPa)**.

**Note:** Pressure will drop and hold at approximately **165 psi (1137.6 kPa)**. This is normal.

- b. Press the brake pedal and keep applying pressure for one minute.
- c. Check and make sure no more than **3 psi (20.7 kPa)** have been lost.

**PROCEDURE IS COMPLETE**