

01-090: 579EV and 520EV Cab Heater Deaeration Return Line

11/4/2025

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01-090

Subject

579EV and 520EV Cab Heater Deaeration Return Line

Whats New Abstract

Repair procedures and warranty information for model 520EV are now available.

The cab heater coolant system on Peterbilt 579EV and 520EV models may not deaerate properly, causing pump malfunctions and inadequate cab heating. Updated coolant deaeration return line parts and procedures are now available to release trapped air back to the reservoir.

Revision

11/04/2025: The bulletin has been updated to include model 520EV.

04/24/2025: Warranty and Procedure sections have been updated to include the requirement of a Meritor OnTrac case.

Condition

Repair procedures and warranty information for model 520EV are now available.

The cab heater coolant system on Peterbilt 579EV and 520EV models may not deaerate properly, causing pump malfunctions and inadequate cab heating. Updated coolant deaeration return line parts and procedures are now available to release trapped air back to the reservoir.

Chassis Affected

195 (166 US and 29 CAN) vehicle model year 2021-2026 model 579EV and 520EV Battery Electric Vehicles manufactured from 02/26/2020 through 11/05/2024.

Action

Campaign

Service all chassis affected that enter your dealership, even if the customer has no issue with the chassis.

1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.
2. In Service Management, select campaign **01-090** to add it to the case. If the unit is released back

into service without performing the repair, make sure to also release the campaign in Service Management.

3. If you are not using Service Management to start repair orders, review SIR for “Complete” next to the **01-090** campaign code prior to performing this repair.
4. Follow procedures in the Links section to install the cab heater deaeration return line routing kit.

Warranty

For 579EV repairs:

Starting on **04/02/2025** and for repairs completed by **05/01/2026**, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- A Meritor OnTrac case submission is required prior to repairs being completed. Failure to do so may result in warranty claim denial. See the procedure section for more details.
- Enter the Meritor OnTrac case number in the Diagnostic Case Number field of the claim.
- **3.6 hours** to install the coolant heater kit and verify functionality of cab heater on model **579EV**. Use **editable** Recommended Repair Code **01-090A**.

For 520EV repairs, please select the correct recommended repair code based on driving configuration:

Starting on **11/04/2025** and for repairs completed by **12/01/2026**, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor.

- A Meritor OnTrac case submission is required prior to repairs being completed. Failure to do so may result in warranty claim denial. See the procedure section for more details.
- Enter the Meritor OnTrac case number in the Diagnostic Case Number field of the claim.
- **3.6 hours** to install the coolant heater kit and verify functionality of cab heater on model **520EV with Left-Hand Drive**. Use **editable** Recommended Repair Code **01-090B**.
- **3.6 hours** to install the coolant heater kit and verify functionality of cab heater on model **520EV with Right-Hand Drive**. Use **editable** Recommended Repair Code **01-090C**.
- **3.6 hours** to install the coolant heater kit and verify functionality of cab heater on model **520EV with Dual Drive Right-Hand Stand Up**. Use **editable** Recommended Repair Code **01-090D**.
- **3.6 hours** to install the coolant heater kit and verify functionality of cab heater on model **520EV with Dual Seated Drive**. Use **editable** Recommended Repair Code **01-090E**.

File an additional claim for extraordinary circumstances. A recommended repair for standard labor must be filed first.

File the claim within 14 days in accordance with the Warranty Policy.

Cross-division repairs are not allowed for this campaign.

Take-Off Parts Disposition: Destroy take-off parts 30 days after claim is paid.

PRWS CLAIM CODING			
Campaign Code:	01-090	Campaign Type:	Field Repair
Claim Category:	Truck	Repair Type:	Proactive
Customer Concern Code:	011 - Heater Does Not Operate Properly	Causal Code:	51 - Inoperative
Corrective Action Code:	24 - Repair	Responsibility Code:	SUP
Failure Location:	001-002-022	Causal Part:	CPT6492628
Supplier Code:	17114EV	SRT Code:	B25-02A 3.6 hours Bulletin 01-090, 579EV and 520EV, Re-route cab heater deaeration return line per bulletin procedure.

Parts

Parts are available from PACCAR Parts.

For all parts required for a **579EV**, refer to the chart below.

Part Number	Part Description	Quantity
CPT6517020	Kit, Coolant Heater	1
EC3501	Coolant - TRP ELC	1 Gallon

	(Or Equivalent)	
Kit (CPT6517020) Parts Breakdown (Do not order these parts, they are included in the kit above)		
Part Number	Part Description	Quantity
S6-1010P1	Silicone Hose, 3/8" I.D., 1-Ply Black	1
ESC102944	Cable Tie Holder	1
ESC104185	Cable Tie, 0.5" Width, 20" Length	1
6517997	Plug, 3/8" O.D., 2" Inside Height, Black	1
3901865	Bolt, M6-1 x 16, Black	2
6529182	Bracket	1
ESC104989	Screw, Flange Hex Head, M6-1 x 20, Black	2
6529181	Bracket	1
ESC100135	Nut, Flanged Hex, M6- 1.0, Zinc	1
S10-50P1	Silicone Hose, 5/8" I.D., 50mm Length, 1- Ply, Black	2
ESC104483	Hose Clamp, Worm Drive, Smooth Band, 20- 32mm	4
6517021	Brass Tee Adaptor	1

6530196	Hose Clamp, Worm Drive, Smooth Band, 8-16mm	3
S4-700P1	Silicone Hose, 1/4" I.D., 70mm Length, 1-Ply, Black	1
ESC105386	Cable Tie with Fir Tree, 120lbs., 15" Length	3
6517022	Brass - 3/8" to 1/4" Reducer	1
6520407	Hose Clamp, Worm Drive, Smooth Band, 1/2"-3/4"	2

For all parts required for a **520EV**, refer to the appropriate drive configuration for your chassis in the

charts below.

i NOTE
All hose part numbers below are bulk quantity and must be cut to length.

Left-Hand Drive

Part Number	Part Description	Quantity Needed
D1029-2939	3/8" Hose - Heater	118" / 3,000mm
D1029-2965	5/8" Hose - Heater	19" / 480mm
D1029-2919	1/4" Hose - Coolant - Silicone	7" / 178mm
V38-6071	3/8" to 1/4" Reducer	1
V20-6022	Fitting-Tee 1/4" x 5/8"	1
9206TRP	Clamp-Hose with Liner 6	4
9210TRP	Clamp-Hose with Liner 10	3
FAS6517997	1/4" Pipe Plug	1
Source Locally	Cable Ties - 1/2" W x 20" L	6
EC3501	Coolant - TRP ELC (Or Equivalent)	1 Gallon

Right-Hand Drive

Part Number	Part Description	Quantity Needed
D1029-2939	3/8" Hose - Heater	63" / 1,600mm
D1029-2965	5/8" Hose - Heater	5.5" / 140mm
D1029-2919	1/4" Hose - Coolant -	7" / 178mm

	Silicone	
V38-6071	3/8" to 1/4" Reducer	1
V20-6022	Fitting-Tee 1/4" x 5/8"	1
9206TRP	Clamp- Hose with Liner 6	4
9210TRP	Clamp- Hose with Liner 10	3
FAS6517997	1/4" Pipe Plug	1
Source Locally	Cable Ties - 1/2" W x 20" L	3
EC3501	Coolant - TRP ELC (Or Equivalent)	1 Gallon

Dual Drive Right-Hand Stand Up

Part Number	Part Description	Quantity Needed
D1029-2939	3/8" Hose - Heater	122" / 3,100mm
D1029-2965	5/8" Hose - Heater	4" / 100mm
D1029-2919	1/4" Hose - Coolant - Silicone	8" / 203mm
V38-6071	3/8" to 1/4" Reducer	1
V20-6022	Fitting-Tee 1/4" x 5/8"	1
9206TRP	Clamp- Hose with Liner 6	4
9210TRP	Clamp- Hose with Liner 10	3
FAS6517997	1/4" Pipe Plug	1
Source Locally	Cable Ties - 1/2" W x 20" L	6

case.

Reference the procedure in the Links section below that applies to the model of vehicle you are working on.

Attachments

CHASSIS LISTS

[01-090: PB 579EV Chassis List](#)

[01-090: PB 520EV Chassis List](#)

REPAIR PROCEDURES

[01-090: PB 579EV Repair Procedure](#)

[01-090: PB 520EV Repair Procedure](#)

CUSTOMER LETTERS

[01-090/46-019 Combined Customer Letter - 579EV - English](#)

[01-090/46-019 Combined Customer Letter - 579EV - French](#)

[01-090/46-019 Combined Customer Letter - 520EV - English](#)

[01-090/46-019 Combined Customer Letter - 520EV - French](#)



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XX/XX/2025

Subject: 01-090: 520EV Cab Heater Deaeration Return Line and
46-019: 520EV Battery Electric Vehicle Labels

Expiration Date: 11/01/2026



FIELD SERVICE CAMPAIGN

This notice applies to your vehicle(s) with VIN(s) listed at the bottom or back of this page.

Dear Peterbilt Customer:

Peterbilt Motors Company has determined that certain model 520EV vehicles built from 02/26/2020 through 11/05/2024, may have an issue with trapped air in the cab heater coolant system that may cause insufficient cab heat. Some chassis were also built without certain vehicle information labels.

What is the problem?	Trapped air in the cab heater coolant system may reduce heating. Additionally, some chassis were built before certain vehicle information labels were available.
What will your dealer do?	Install an updated cab heater coolant return line routing kit and, if needed, vehicle information labels.
What should you do?	Contact your dealer to schedule a repair appointment.

To locate your nearest dealer please scan the QR code at the top of this letter or use Find a Dealer at www.Peterbilt.com. When scheduling this service, please refer to campaigns 01-090: 520EV Cab Heater Deaeration Return Line, 46-019: 520EV Battery Electric Vehicle Labels, and the VIN(s) listed in this letter. This service may require up to 4 hours of labor. There will be no charge to you if completed by 11/01/2026.

If you no longer own the vehicle(s), please send an e-mail to servicebulletins@paccar.com with the complete VIN(s) and the name and address of the new owner.

We appreciate your attention to this matter and value your loyalty to Peterbilt and its dealer network.

Sincerely,
Peterbilt Customer Service

XX/XX/2025

Objet : 01-090 – 520EV : Ligne de retour de désaération du chauffage de cabine et

46-019 – 520EV : Étiquettes des véhicules électriques à batterie

Date d'expiration : 01/11/2026



CAMPAGNE DE SERVICE SUR LE TERRAIN

Cet avis concerne votre (vos) véhicule(s) dont le(s) NIV(s) se trouve(nt) au bas ou au verso de la présente.

Cher client Peterbilt :

Peterbilt Motors Company a constaté qu'il est possible que certains véhicules de modèle 520EV, fabriqués entre le 26/02/2020 et le 05/11/2024, pourraient présenter un problème d'air emprisonné dans le système de refroidissement du chauffage de la cabine, ce qui pourrait entraîner un chauffage insuffisant de la cabine. Certains châssis ont également été fabriqués sans certaines étiquettes d'information sur le véhicule.

- Quel est le problème ?** L'air emprisonné dans le système de refroidissement du chauffage de la cabine peut réduire le chauffage. De plus, certains châssis ont été fabriqués avant que certaines étiquettes d'information sur le véhicule ne soient disponibles.
- Que fera votre concessionnaire ?** Installera une trousse de mise à jour de routage de la ligne de retour de liquide de refroidissement du chauffage de cabine et, au besoin, des étiquettes d'information sur le véhicule.
- Que devez-vous faire ?** Communiquer avec votre concessionnaire afin de prendre rendez-vous pour une réparation.

Afin de localiser votre concessionnaire le plus près veuillez balayer le code QR dans le coin supérieur droit de la présente ou consulter Trouver un concessionnaire sur www.Peterbilt.com. Au moment de prendre rendez-vous pour ce service, veuillez vous référer aux campagnes 520EV : Ligne de retour de désaération du chauffage de cabine et 46-019 – 520EV : Étiquettes des véhicules électriques à batterie, ainsi qu'au(x) NIV(s) listé(s) à la présente. Ce service peut nécessiter jusqu'à 4 heures de main-d'œuvre et sera effectué sans frais s'il est complété avant le 01/11/2026

Si vous n'êtes plus le propriétaire de ce(s) véhicule(s), veuillez faire parvenir un courriel à servicebulletins@paccar.com avec le(s) NIV(s) complet(s), ainsi que le nom et l'adresse du nouveau propriétaire.

Nous apprécions le soin que vous portez à cette affaire et valorisons votre fidélité envers Peterbilt et son réseau de concessionnaires.

Salutations,
Service à la clientèle de Peterbilt