

**AF05 - Checking and Reworking Wire Harness for Left Rear Radiator Fan (Stop Sale Campaign/Recall Campaign)**

Vehicle Type: **918 Spyder**

Model Year: **2015**

Concerns: **Wire harness for rear left radiator fan**

Information: **There is a possibility that the electric wire harness for the left rear radiator fan in the engine compartment is touching a heat guide plate made of carbon fiber on the affected vehicles.**

If the wire harness is touching, relative movements can cause visible damage to the wire harness or the insulation on individual lines of the wire harness. Progressive damage to the wire harness can cause the radiator fan to stop working and an electric shunt circuit to the low-resistance heat guide plate cannot be ruled out.

This electric shunt circuit can cause the vehicle to go on fire even a long time after stopping the vehicle.

- Action Required:
- Check routing of wire harness and secure wire harness to the coolant pipe using the specified tie-wrap clip ⇒ **Scope 1**.
  - Check routing of wire harness and secure wire harness to the coolant pipe using the specified tie-wrap clip and also repair any wires that have been damaged ⇒ **Scope 2**.



**Information**

The vehicle must be checked for defects and damage (damage to paintwork, missing parts, etc.) **each time** it is handed over, transferred or delivered. Confirmation that the vehicle is in good condition or details of any damage to the vehicle must be documented and archived for feedback purposes.

Service Level: **This campaign must be carried out by a Service Level 2 Porsche Dealer.**

Service Level 0 Porsche Dealers are **not** authorized to carry out this campaign.

In accordance with the service concept for the 918 Spyder, the vehicle must be transferred to the nearest Service Level 2 Porsche Dealer in order to carry out this campaign.

In this case, please contact the nearest Service Level 2 Porsche Dealer and arrange for the transfer of the vehicle and implementation of the measure.

Information on invoicing the cost of transferring the vehicle can be found under ⇒ *Technical Information 'AF0500 Invoicing'* at the end of this document.

Affected Vehicles: The VIN(s) can be checked by using PIWIS Vehicle Information link to verify if the campaign affects the vehicle. This campaign is scope specific to the VIN! Failure to verify in PIWIS may result in an improper repair. This campaign affects 242 vehicles in North America.

Parts Info: **Scope 1:** Checking and reworking routing of wire harness.

Part No.	Designation	Qty.
N 106.776.01	⇒ Tie-wrap clip	1 ea.

To obtain the required part for the campaign Scope 1, please place a parts order for the Tie-wrap clip via POLARIS, then submit a PTEC-PAV with the POLARIS Order number and the VIN and PCNA Parts will release the order.

Materials: **Scope 1:** Checking and reworking routing of wire harness.

**Required materials** (usually already available in the Porsche Dealer, only order if additional materials are required):

Part No.	Designation – Use	Qty.
000.043.300.35	McLube Saikote High Performance Dry Lube* Can be locally sourced through marine supply stores – Central wheel lock	428g spraying can As much as required

Parts Info: **Scope 2:** Checking and reworking routing of wire harness and also repairing wire harness if it is already damaged.



#### Information

In case Scope 2 is required, please submit a PTEC-TLAR to PCNA for further instructions.

Special Tools: **Scope 1:** Checking and reworking routing of wire harness.

Designation/Comment	Use
9002 - Lifting platform holders	Lifting the vehicle
9453 - Access ramps	
9454 - Strapping belts	

**9003 - Socket wrench**

Removing and installing wheel

**9004 - Socket wrench**

Torque wrench, 150 – 800 Nm (111 – 592 ftlb.),  
e.g. **V.A.G. 1601 - Torque wrench 150-800 Nm (111-592 ftlb.)**

Torque wrench, 6 – 50 Nm (4.5 – 37 ftlb.), e.g. **V.A.G 1331 - Torque wrench, 6-50 Nm (4.5-37 ftlb.)**

Torque wrench, 2 – 10 Nm (1.5 – 7.5 ftlb.), e.g. **V.A.G 1783 - Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**

**VAS 6748 - Video endoscope with VAS 6748/5 - 6-mm Ø probe, 90° viewing direction, for video endoscope**

Checking wire harness

Commercially available inspection mirror (telescopic mirror)

**Scope 2:** Checking and reworking routing of wire harness and also repairing wire harness if it is already damaged.

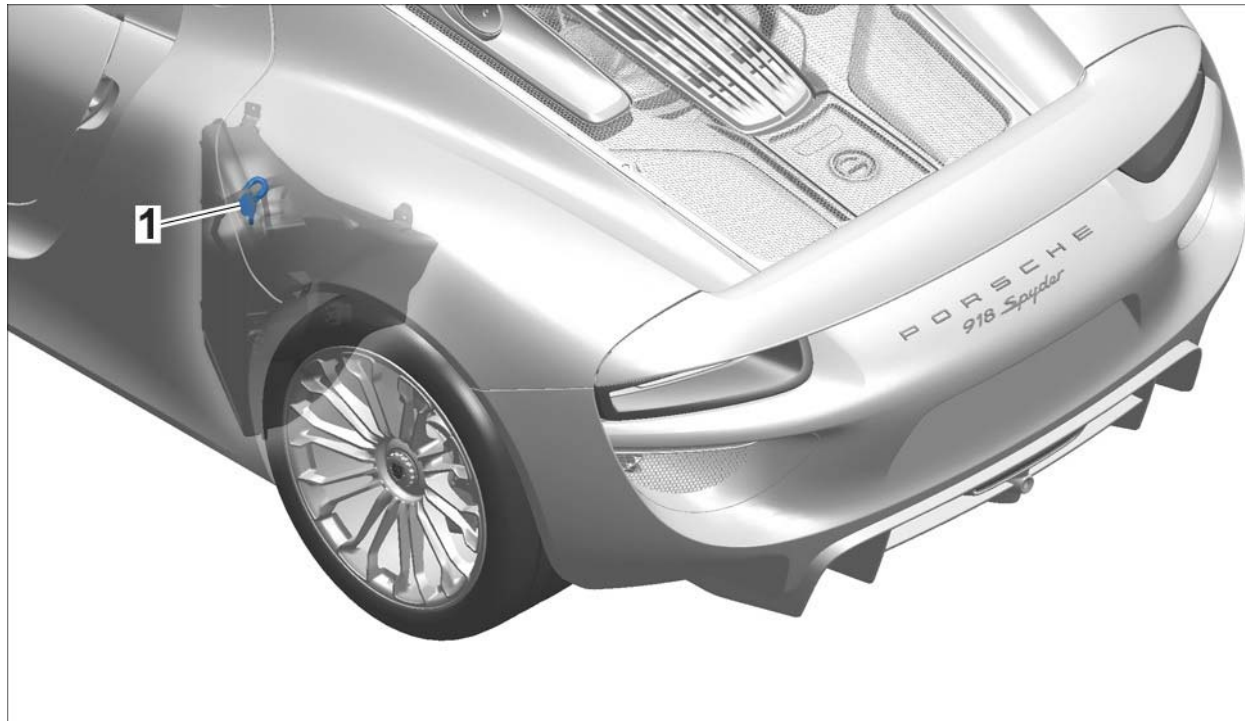


**Information**

In case Scope 2 is required, please submit a PTEC-TLAR to PCNA for further instructions.

Installation

Position:



*Installation position of wire harness for rear left radiator fan*

- 1 – Connector for wire harness for rear left radiator fan

### Preliminary work

- Procedure:
- 1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
    - 1.1 Position the vehicle between the arms of the lifting platform and push it onto the **9453 - access ramps**.
    - 1.2 Remove underbody covers and fit mounting plates **9002 - Lifting platform holders**, ⇒ *Workshop Manual '518119 Removing and installing jacking points'*.
    - 1.3 Jack and raise the vehicle at the mounting plates.
  - 2 Remove both rear wheels ⇒ *Workshop Manual '440519 Removing and installing wheel'*.
  - 3 Remove lower part of rear spoiler ⇒ *Workshop Manual '66591900 Removing and installing lower part of rear spoiler'*.
  - 4 Remove rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody'*.

Checking wire harness for radiator fan (Scope 1)



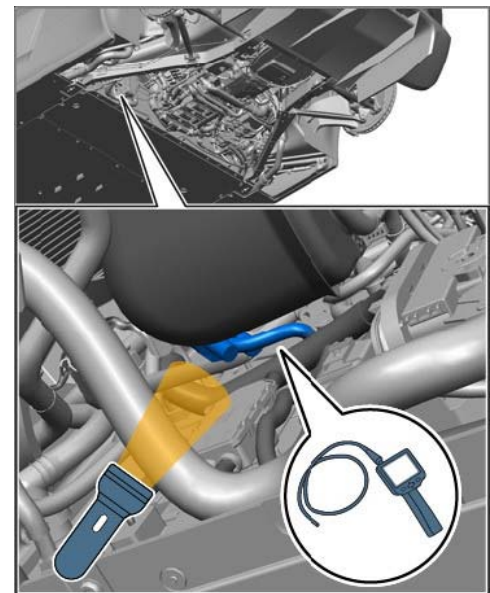
**Information**

The wire harness for the rear radiator fan that must be checked is located at the left-hand side of the vehicle, in the area between the heat guide plate and bulkhead.

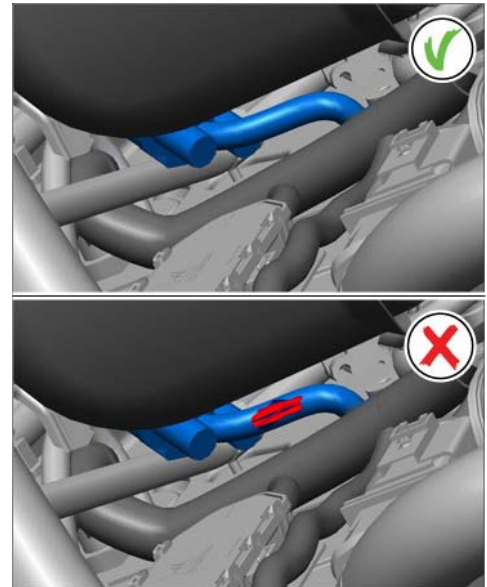
Due to the limited space available, the wire harness can only be checked all the way around using a telescopic mirror or electronic endoscope.

Procedure:

- 1 Visually inspect the wire harness using the endoscope or using a suitable inspection mirror and check for visible chafing marks on the wire harness for the radiator fan.
  - If there are no chafing marks visible on the wire harness, fit the tie-wrap clip and reassemble the vehicle. To do this, **continue with Step 2**.
  - If there are visible chafing marks on the wire harness, take photos of these using the endoscope or a digital camera and attach the photos to the PQIS job and submit a PTEC-TLAR to PCNA for further instructions.

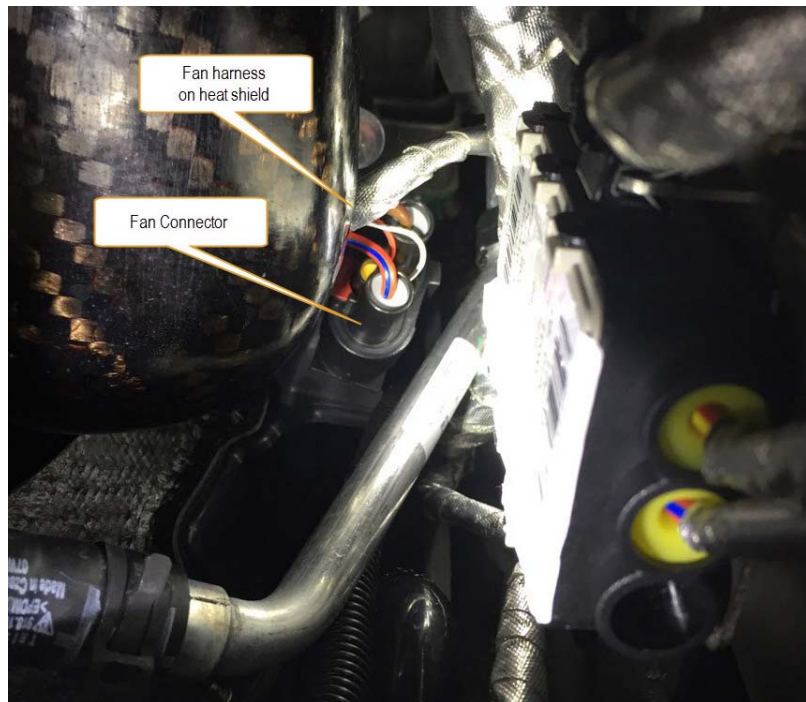


*Checking wire harness for radiator fan*

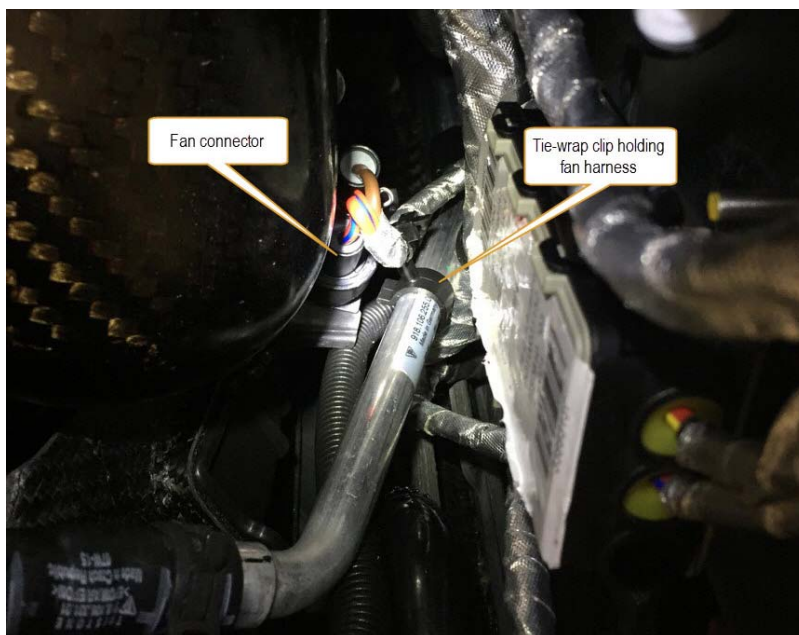


*Assessment of wire harness  
for radiator fan*

1.1 Before and after pictures to use as a reference.



*Before*



After



**Information**

To prevent damage to the wire harness over the service life of the vehicle, the wire harness for the radiator fan must be secured to the water tube in the heat guide plate area.

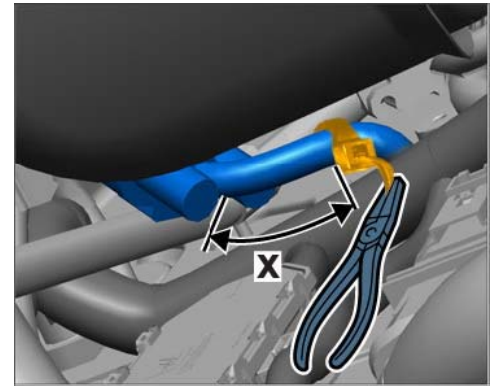
- 2 Fit tie-wrap clip on wire harness for radiator fan.
  - 2.1 Fit tie-wrap clip around the wire harness as shown ⇒ *Fitting tie-wrap clip* and close it, but do not tighten it yet.

Depending on how the harness is routed, it may be difficult to reroute to the desired position as shown in the diagram. In this case, it is important to assure that the harness is sufficiently pulled away from the heat shield to avoid any potential contact.

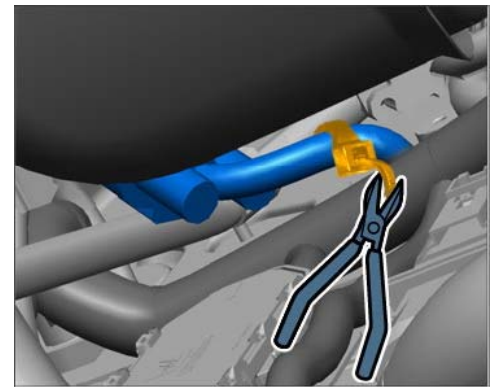


*Fitting tie-wrap clip*

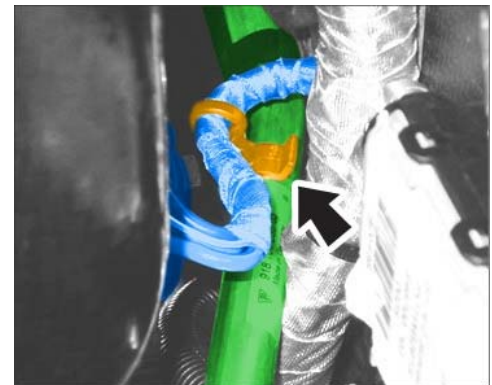
- 2.2 The tie-wrap clip should be secured at a defined distance from the connector on the wire harness.  
To do this, measure a distance of  $\Rightarrow$  *Securing tie-wrap - X = 70 mm*- from the lower edge of the connector using a ruler and mark this position on the wire harness.
- 2.3 Position tie-wrap clip at the marking and tighten it using needle-nose pliers.

*Securing tie-wrap*

- 2.4 Cut off the extra length at the end of the tie-wrap using side cutters.

*Fitting tie-wrap*

- 2.5 Clip in tie-wrap clip on the coolant pipe above the main wire harness.
- 2.6 Check that the wire harness is routed correctly and has sufficient clearance from the heat guide plate.

*Securing wire harness*

- 3 Reassemble the vehicle according to the following instructions.
- 4 Install rear underbody cover  $\Rightarrow$  *Workshop Manual '519419 Removing and installing rear underbody cover'*.
- 5 Install lower part of rear spoiler  $\Rightarrow$  *Workshop Manual '66591900 Removing and installing lower part of rear spoiler'*.
- 6 Fit both rear wheels  $\Rightarrow$  *Workshop Manual '440519 Removing and installing wheel'*.



- 7 Lower the vehicle and remove it from the lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
  - 7.1 Lower the vehicle onto the **9453 - access ramps** with the lifting platform.
  - 7.2 Remove mounting plates **9002 - Lifting platform holders** and install the covers on the underbody ⇒ *Workshop Manual '518119 Removing and installing jacking points'*.
- 8 Enter the campaign in the Warranty and Maintenance booklet.

**Repairing wire harness for radiator fan (Scope 2)**

In case Scope 2 is required, please submit a PTEC-TLAR to PCNA for further instructions.

**Claim Submission**

Service Level: **This campaign must be carried out by a Service Level 2 Porsche Dealer.**

Service Level 0 Porsche Dealers are **not** authorized to carry out this campaign. In accordance with the service concept for the 918 Spyder, the vehicle must be transferred to the nearest Service Level 2 Porsche Dealer in order to carry out this campaign.

**In this case, Service Level 0 Porsche Dealers** can invoice the cost items listed below for vehicle acceptance, transporting the vehicle and accepting the vehicle following return transport using the **new vehicle warranty** for the vehicle in accordance with the specifications in the 918 Spyder AfterSales Fact Book 2014:

- Vehicle acceptance 100 TU
- Transporting the vehicle 100 TU
- Acceptance of the vehicle following return transport 50 TU
- Costs for transporting the vehicle to and from the Porsche Centre Amount as per invoice \*

\* Please document copy of invoice in PQIS

Please invoice the costs by specifying **Damage code C902 97 000** and enter the technical reason by specifying **Coding C9020 9735** in PQIS. Also specify **Campaign AF05** under Comment.

**Service Level 2 Porsche Dealers** must always submit an invoice for the relevant **campaign scope**.

Scope 1: **Checking routing of wire harness and securing wire harness to the coolant pipe using an additional tie-wrap clip.**

**Working time:**

Checking and reworking wire harness for radiator fan

Labor time: **303 TU**

Includes: Raising and lowering the vehicle  
 Removing and installing both rear wheels  
 Removing and installing lower part of rear spoiler  
 Removing and installing rear underbody cover

**Parts required:**

N 106.776.01	Tie-wrap clip	1 ea.
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**Additional materials required:**

000.043.300.35	McLube Sailkote High Performance Dry Lube, 428g spraying can*	0.05 ea.
	* Can be locally sourced through marine supply stores	

⇒ **Damage code AF05 099 000 1**

References: ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*  
 ⇒ *Workshop Manual '440519 Removing and installing wheel'*  
 ⇒ *Workshop Manual '518119 Removing and installing jacking points'*  
 ⇒ *Workshop Manual '519419 Removing and installing cover for rear underbody'*  
 ⇒ *Workshop Manual '66591900 Removing and installing lower part of rear spoiler'*

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