

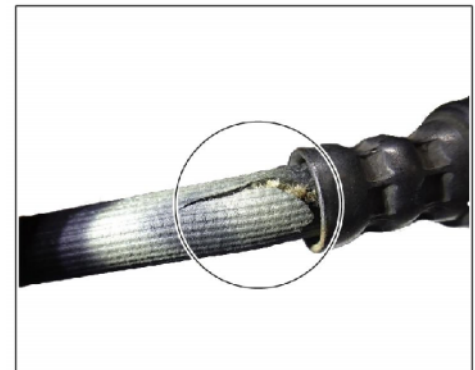
**Brake System Symptom - Cracked or Torn Brake Hose on the Left or Right Front Axle (SY 137/23)**

Model Line: **Taycan (Y1A / Y1B / Y1C)**

Model Year: **As of 2020**

Concerns: **Front axle brake hoses**

Symptom: A cracked or torn brake hose is detected on the left or right front axle. ⇒ *Example of crack in brake hose*



*Example of crack in brake hose*

Remedial Action: In the event of an incipient crack or crack on a brake hose on the front axle, **both brake hoses** on the front axle must be replaced.

**Required parts and materials**

Parts Info:	Part No.	Designation – Location of use	Number
<b>Required parts for vehicles with front disc brake, standard (M-No. 1LS):</b>			
	9J1611707C	⇒ Brake hose, front left – Sport Turismo (M-No. K8D) or – Sports sedan (M-No. K8S)	1 piece
	9J1611708C	⇒ Brake hose, front right – Sport Turismo (M-No. K8D) or – Sports sedan (M-No. K8S)	1 piece

or

9J0611707 ⇒ Brake hose, front left 1 piece  
– Cross Turismo (M-No. K8X)

9J0611708 ⇒ Brake hose, front right 1 piece  
– Cross Turismo (M-No. K8X)

**Required parts for vehicles with front disc brake PSCB (M-No. 1LZ):**

9J1611707B ⇒ Brake hose, front left 1 piece  
Up to model year 2021  
– Sport Turismo (M-No. K8D)  
or  
– Sports sedan (M-No. K8S)

9J1611708B ⇒ Brake hose, front right 1 piece  
Up to model year 2021  
– Sport Turismo (M-No. K8D)  
or  
– Sports sedan (M-No. K8S)

or

9J1611707F ⇒ Brake hose, front left 1 piece  
As of model year 2021  
– Sport Turismo (M-No. K8D)  
or  
– Sports sedan (M-No. K8S)

9J1611708F ⇒ Brake hose, front right 1 piece  
As of model year 2021  
– Sport Turismo (M-No. K8D)  
or  
– Sports sedan (M-No. K8S)

or

9J0611707A ⇒ Brake hose, front left 1 piece  
– Cross Turismo (M-No. K8X)

9J0611708A ⇒ Brake hose, front right 1 piece  
– Cross Turismo (M-No. K8X)

**Required parts for vehicles with front disc brake PCCB (M-No. 1LQ):**

9J1611707B ⇒ Brake hose, front left 1 piece  
 – Sport Turismo (M-No. K8D)  
 or  
 – Sports sedan (M-No. K8S)

9J1611708B ⇒ Brake hose, front right 1 piece  
 – Sport Turismo (M-No. K8D)  
 or  
 – Sports sedan (M-No. K8S)

or

9J0611707B ⇒ Brake hose, front left 1 piece  
 – Cross Turismo (M-No. K8X)

9J0611708B ⇒ Brake hose, front right 1 piece  
 – Cross Turismo (M-No. K8X)

Materials: **Required materials** (usually already available in the Porsche Center)

Part No.	Designation	Quantity
00004321086	⇒ Brake fluid (30-liter/ 7.9 gal container)	As required

**Required tools**

Tools:

- Brake filling and bleeding equipment, e.g. **VAS 6860 - brake filling and bleeding equipment**
- **P90999 - PIWIS Tester 4**
- Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 - battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charge 12-volt lithium-ion vehicle electrical system battery'*

**Preliminary work**

Work Procedure: 1 Move the vehicle onto a lifting platform and raise it.  
 ⇒ *Workshop Manual '4X00IN Lift vehicle'*

2 Remove front wheels.  
 ⇒ *Workshop Manual '440519 Remove and install wheel'*

## Replacing front axle brake hoses

### WARNING

#### Danger of injury and damage from brake fluid!

- **Poisonous if swallowed!**
  - **Irritation and damage to skin**
  - **Avoid contact with paint surfaces**
- ⇒ **Store brake fluid in suitable, labelled containers only**
- ⇒ **Wear protective gloves and goggles**
- ⇒ **In the event of contact (eyes or skin), wash immediately with water**
- ⇒ **In the event of contact with paint surfaces, wash off immediately with water - do not wipe off**



#### Information

To gain better access for removing the brake hoses, turn the steering fully either to the left or right.

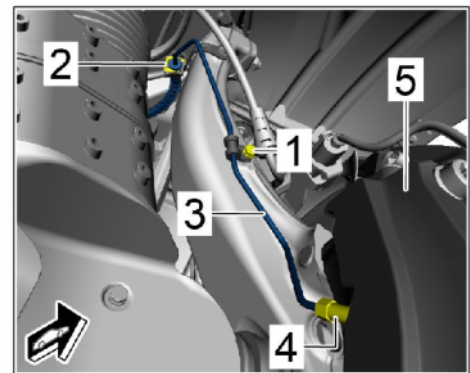


#### Information

The procedure for removing and installing is shown for one side as an example. The procedure for removing and installing for the other side is almost identical.

Work  
Procedure:

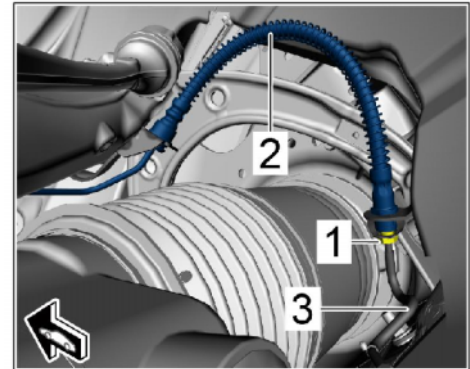
- 1 Loosen brake line on front axle.
  - 1.1 Unscrew screw ⇒ *Front brake line on brake calliper -1-*. Remove loosened holder and fit it on **new** brake line.
  - 1.2 Unclip spring clamp ⇒ *Front brake line on brake calliper -2-* and disengage brake line ⇒ *Front brake line on brake calliper -3-* from holder at the top.
  - 1.3 Loosen and unscrew union nut for the brake line ⇒ *Front brake line on brake calliper -4-* on the brake calliper ⇒ *Front brake line on brake calliper -5-*.
  - 1.4 Remove brake line ⇒ *Front brake line on brake calliper -3-* and close line connections with suitable stoppers while collecting leaking brake fluid using a suitable container.



*Front brake line on brake calliper*

## 2 Remove front brake hose.

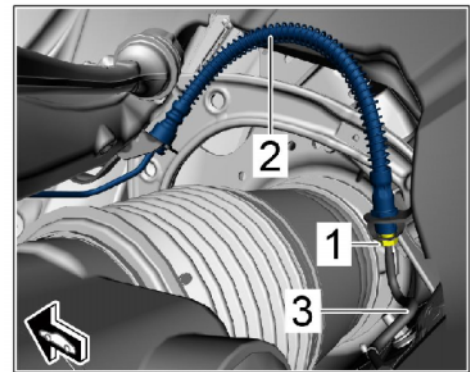
- 2.1 Loosen and unscrew union nut ⇒ *Front brake hose on vehicle-side brake line -1-* on vehicle-side brake line ⇒ *Front brake hose on vehicle-side brake line -3-* to brake hose ⇒ *Front brake hose on vehicle-side brake line -2-*.
- 2.2 Pull off brake hose ⇒ *Front brake hose on vehicle-side brake line -2-* and close line connections with suitable stoppers while collecting leaking brake fluid using a suitable container.
- 2.3 Guide out brake hose ⇒ *Front brake hose on vehicle-side brake line -2-*.



Front brake hose on vehicle-side brake line

## 3 Install new brake hose.

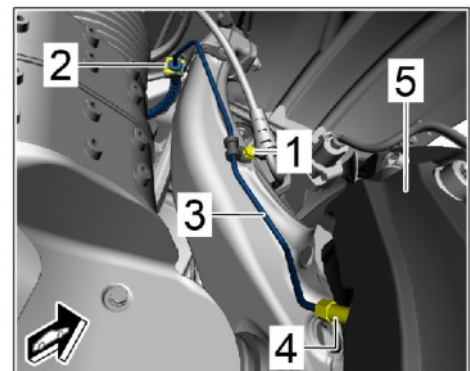
- 3.1 Insert brake hose ⇒ *Front brake hose on vehicle-side brake line -2-* into the vehicle.
- 3.2 Push brake hose ⇒ *Front brake hose on vehicle-side brake line -2-* onto vehicle-side brake line ⇒ *Front brake hose on vehicle-side brake line -3-*.
- 3.3 Screw on union nut ⇒ *Front brake hose on vehicle-side brake line -1-* securing the vehicle-side brake line ⇒ *Front brake hose on vehicle-side brake line -3-*.



Front brake hose on vehicle-side brake line

## 4 Position front axle brake line.

- 4.1 Attach brake line ⇒ *Front brake line on brake calliper -3-* into the top holder and position on the brake calliper ⇒ *Front brake line on brake calliper -5-*.
- 4.2 Screw on union nut ⇒ *Front brake line on brake calliper -4-*.
- 4.3 Position center holder for brake line and tighten screw ⇒ *Front brake line on brake calliper -1-*.
- 4.4 Clip in spring clamp ⇒ *Front brake line on brake calliper -2-*.



Front brake line on brake calliper

- 5 Fasten brake hose.
  - 5.1 Tighten union nut securing vehicle-side brake line with **tightening torque 14 Nm (10.3 ftlb.)**, do not twist brake line.
  - 5.2 Tighten union nut securing brake calliper with **tightening torque 14 Nm (10.3 ftlb.)**, do not twist brake line.
  - 5.3 Tighten screw securing center holder with **tightening torque 8 Nm (5.9 ftlb.)**.
- 6 Repeat work procedure for front axle brake hose on the opposite side.

### Follow-up actions

- Work Procedure: 1 Bleed the brake system.  
⇒ *Workshop Manual '470107 Bleed the brake system'*
- 2 Install front wheels.  
⇒ *Workshop Manual '440519 Remove and install wheel'*

### Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
47265690	Replacing front brake hose	
47265691	Replacing front brake hose	

Location (FES5)	47260	Front brake hose
Damage type (SA4)	1521	crack/incipient crack

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