

WB26 - Reworking Tension Rope for Convertible Top Rooflining (Workshop Campaign)

Vehicle Type: **911 Speedster (997)**

Model Year: **2011**

Concerns: **Tension rope for the convertible top rooflining**

Information: This is to inform you of a voluntary Workshop Campaign on certain 2011 911 Speedster (997) vehicles. There is the possibility that the tension rope for the convertible top rooflining may get caught on the linkage when operating the convertible top. As a result, this may cause the tension rope to break and the convertible top rooflining in the rear area will not be tensioned when the convertible top is closed.

Action Required: Depending on the **scope assigned** to the vehicle in the PIWIS VIN Information, secure the tension rope for the rooflining to the convertible-top linkage using an additional element (rubber cord ring) and rework the end piece of the tension rope ⇒ **Technical Information 'WB2600 Scope 1'** or only rework the end piece of the tension rope ⇒ **Technical Information 'WB2600 Scope 2'**.

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.

Parts Info: **Scope 1:** Securing tension rope for the rooflining to the convertible-top linkage using an additional element (rubber cord ring) and reworking end piece of the tension rope:

997.567.939.01 ⇒ Rooflining guide repair kit 1 ea.
consisting of:
Rubber cord ring (2 ea.)
Tricot tape (2 pieces)
Fastening screw, M4 x 8 (2 ea.)

997.567.943.00 ⇒ Rooflining tension rope repair kit 2 ea.
consisting of:
End piece of tension rope (1 ea.)
Shrink-fit hose (1 ea.)
Insulated cable connection (2 ea., one as a backup
in case one insulated cable connection gets lost)

Scope 2: Reworking end piece of tension rope:

997.567.943.00 ⇒ Rooflining tension rope repair kit 2 ea.
consisting of:
End piece of tension rope (1 ea.)
Shrink-fit hose (1 ea.)
Insulated cable connection (2 ea., one as a backup
in case one insulated cable connection gets lost)

Tools: Heat gun Nr.155-1 Pos.2
Spoon strainer Nr.155-1 Pos.4
Crimping pliers

Work Procedure: See Attachment "A".

Administrative Procedure: See Attachment "B".

Attachment "A": **Work Procedure**

Scope 1: Securing tension rope for the rooflining to the convertible-top linkage using an additional element (rubber cord ring) and reworking end piece of the tension rope



Information

Rework the rubber cord ring and the end piece of the tension rope on **both** sides of the convertible top.

The figures show the installation procedure on the **left** side of the vehicle in direction of travel. Installation must be carried out in the same way on the right side of the vehicle.

- 1 Move convertible top to service position. ⇒ *Workshop Manual '6101IN Convertible-top service position'*
- 2 Retrofit rubber cord ring on the **left** side of the convertible top.

- 2.1 Unscrew fastening screw $\Rightarrow$ Figure 1
-Arrow- on the tension rope for the convertible top rooflining $\Rightarrow$ Figure 1 **-Pos. 1-** at the convertible-top tension bow $\Rightarrow$ Figure 1 **-Pos. 2-**.

If necessary, take suitable measures to prevent the fastening screw from falling into the plenum panel as you unscrew it (e.g. place a cloth in the plenum panel).

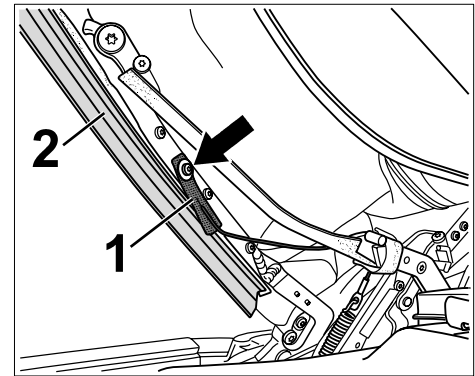


Figure 1

- 2.2 Unscrew fastening screw $\Rightarrow$ Figure 2
-Arrow- on the guide eyelet $\Rightarrow$ Figure 2 **-Pos. 1-** of the tension rope for the convertible top rooflining $\Rightarrow$ Figure 2 **-Pos. 2-** at the convertible-top linkage.

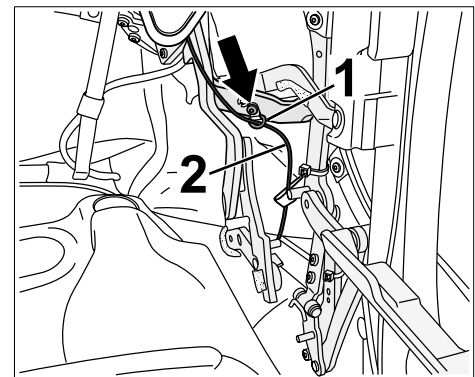


Figure 2

- 2.3 **Adhere tricort tape** $\Rightarrow$ Figure 3 **-Pos. 1-** as shown in $\Rightarrow$ Figure 3 - to the upper edge of the convertible top bow $\Rightarrow$ Figure 3 **-Pos. 2-**. To do this, clean the bonding area on the convertible top bow (the area must be free of grease) and **position the tricort tape in such a way** that it starts above the fastening hole for the tension rope guide eyelet $\Rightarrow$ Figure 3 **-Pos. 3-** and covers the convertible top bow **approx. 2 cm** away from the hole towards the exterior of the vehicle $\Rightarrow$ Figure 3 **-Distance a-**.

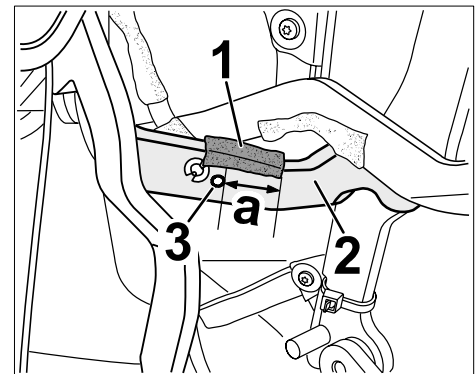


Figure 3

- 2.4 Guide in the rubber cord ring $\Rightarrow$ Figure 4
-Pos. 1- at the loose end of the tension rope
 $\Rightarrow$ Figure 4 **-Pos. 2-**.
 Guide in the rubber cord ring in such a way
 that the **flat** side $\Rightarrow$ Figure 4 **-Arrow-** of the
 fastening eyelet is facing upwards.

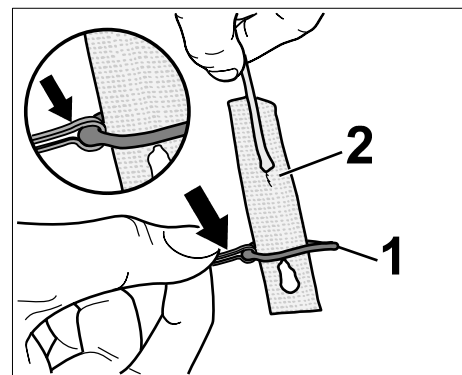


Figure 4

- 2.5 Guide the rubber cord ring $\Rightarrow$ Figure 5 **-Pos. 1-** through the convertible-top linkage using the tension rope, which has already been guided in.
 To do this, feed the rubber cord ring **behind** the electric line that is installed there $\Rightarrow$ Figure 5 **-Pos. 2- and through the opening** between the two convertible top bows $\Rightarrow$ Figure 5 **-Arrow-**.
 Make sure that the rubber cord ring is guided **under** the upper convertible top bow $\Rightarrow$ Figure 5 **-Pos. 3-**.

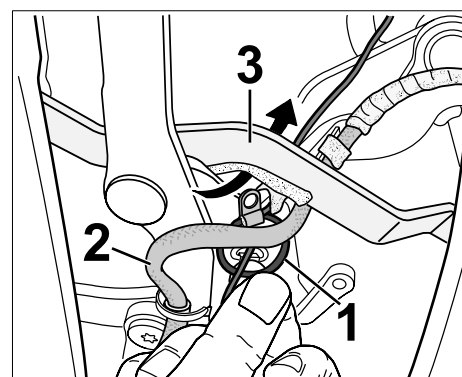


Figure 5

- 2.6 Secure the rubber cord ring $\Rightarrow$ Figure 6 **-Pos. 1-** together with the guide eyelet on the tension rope $\Rightarrow$ Figure 6 **-Pos. 2-** to the convertible top bow using the **new** fastening screw from the rooflining guide repair kit $\Rightarrow$ Figure 6 **-Arrow-**. **Tightening torque 3 Nm (2ftlb.)**
 When tightening the fastening screw, make sure that the fastening eyelet of the rubber cord ring $\Rightarrow$ Figure 6 **-Pos. 1-** - as shown in $\Rightarrow$ Figure 6 - is facing **upwards** and the guide eyelet of the tension rope $\Rightarrow$ Figure 6 **-Pos. 2-** is facing **downwards** at a 45° angle.

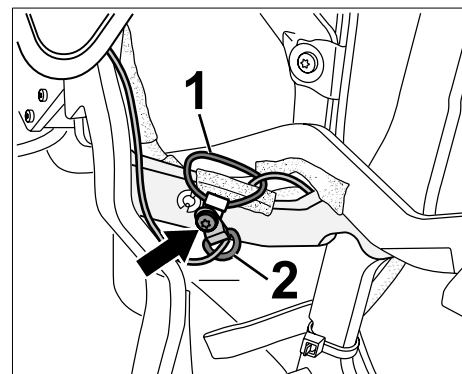


Figure 6

- 3 Rework the end piece of the tension rope on the left side of the convertible top.

- 3.1 Mark the end piece of the tension rope at $\Rightarrow$ *Figure 7 -Distance A = 18 cm-* using a white marker and measuring tape. Then cut the tension rope at the marking using a scissors.

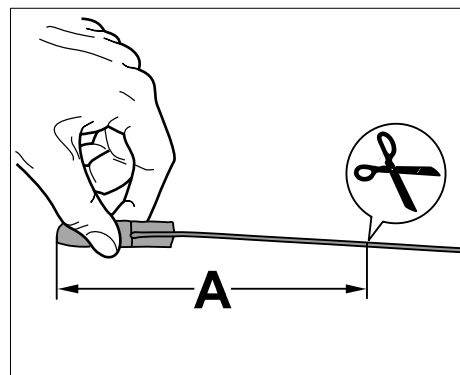


Figure 7

- 3.2 Pull shrink-fit hose $\Rightarrow$ *Figure 8 -Pos. 2-* up over the tension rope you have just cut $\Rightarrow$ *Figure 8 -Pos. 1- ($\Rightarrow$ Figure 8 -Arrow-).*

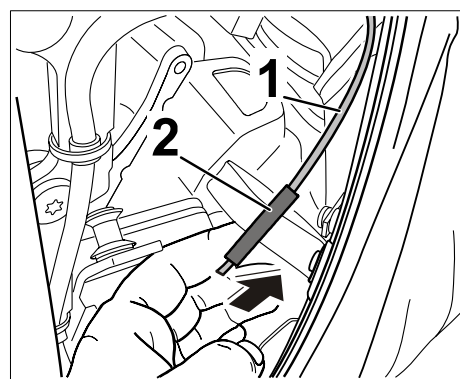


Figure 8

- 3.3 Overlap the cut end of the tension rope $\Rightarrow$ *Figure 9 -Pos. 2-* with the loose end of the new end piece from the repair kit $\Rightarrow$ *Figure 9 -Pos. 1-* and insert them into the insulated cable connection $\Rightarrow$ *Figure 9 -Pos. 3-*. Then press the insulated cable connection together securely using crimping pliers $\Rightarrow$ *Figure 9 -Arrow-.*

The ends of the rope must overlap over the entire length of the insulated cable connection.

The two outer and inner crimping lugs of the insulated cable connection must be bent over and pressed together completely using the crimping pliers $\Rightarrow$ *Figure 9 -Arrow-.*

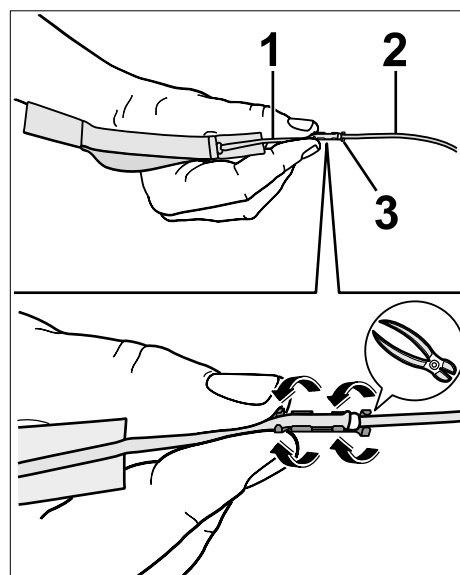


Figure 9

- 3.4 Pull shrink-fit hose ⇒ *Figure 10 -Pos. 1-* over the insulated cable connection ⇒ *Figure 10 -Pos. 2-* and center it ⇒ *Figure 10 -Arrow-*. Then heat it using the heat gun until the contours of the insulated cable connection are drawn through the shrink-fit hose ⇒ *Figure 10 -bottom-*.

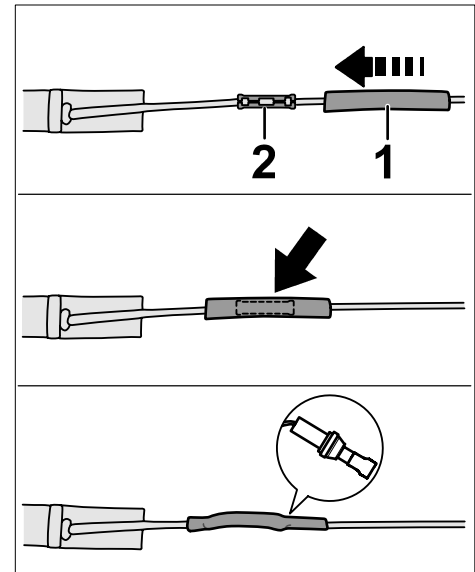


Figure 10

- 3.5 Guide the end piece of the tension rope ⇒ *Figure 11 -Pos. 1-* through the tab on the C-pillar of the convertible top ⇒ *Figure 11 -Pos. 2-*.

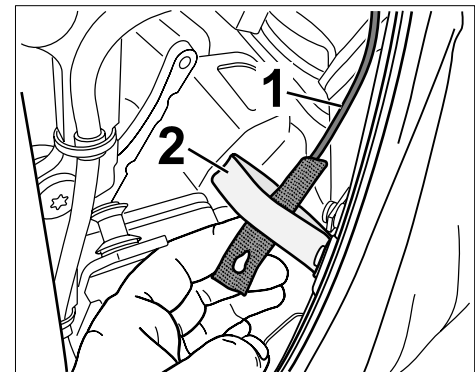


Figure 11

- 3.6 Screw the end piece $\Rightarrow$ Figure 12 **-Pos.1-** onto the tension bow for the convertible top $\Rightarrow$ Figure 12 **-Pos.2-** again $\Rightarrow$ Figure 12 **-Arrow-**. **Tightening torque 4 Nm (3ftlb.)**
Check that the end piece of the tension rope $\Rightarrow$ Figure 12 **-Pos.1-** is parallel to the tension bow or is at a slight downward angle as shown in $\Rightarrow$ Figure 12 .

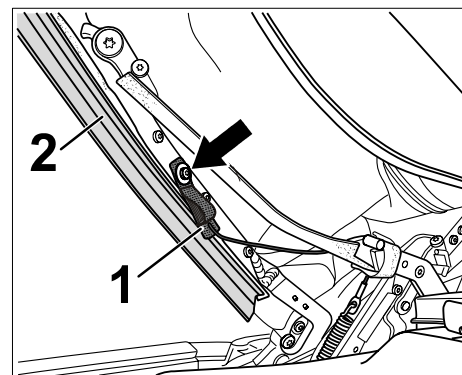


Figure 12

- 4 Repeat **Steps 2 and 3** on the **right side** of the **convertible top**.
- 5 Check that the tension rope for the convertible top rooflining operates smoothly and moves freely. Open and close the convertible top to check this.
- 6 Move the convertible top from service position back to its initial position. $\Rightarrow$ *Workshop Manual '6101IN Convertible-top service position - section on "Information"*
- 7 Enter the workshop campaign in the Warranty and Maintenance booklet.

Attachment "A": **Work Procedure**

Scope 2: Reworking end piece of tension rope for convertible top rooflining



Information

Rework the end piece of the tension rope on **both** sides of the convertible top.

The figures show the reworking procedure on the **left** side of the vehicle in direction of travel. The right side of the vehicle must be reworked in the same way.

- 1 Move convertible top to service position. $\Rightarrow$ *Workshop Manual '6101IN Convertible-top service position'*
- 2 Rework the end piece of the tension rope for the convertible top rooflining on the **left** side of the convertible top.

- 2.1 Unscrew fastening screw $\Rightarrow$ Figure 1
-Arrow- on the tension rope for the convertible top rooflining $\Rightarrow$ Figure 1 **-Pos. 1-** at the convertible-top tension bow $\Rightarrow$ Figure 1 **-Pos. 2-**.
If necessary, take suitable measures to prevent the fastening screw from falling into the plenum panel as you unscrew it (e.g. place a cloth in the plenum panel).

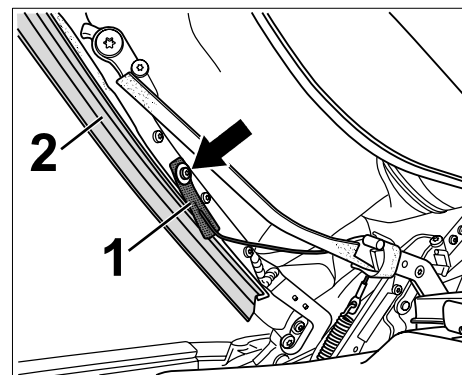


Figure 1

- 2.2 Mark the end piece of the tension rope at $\Rightarrow$ Figure 2 **-Distance A = 18 cm-** using a white marker and measuring tape. Then cut the tension rope at the marking using a scissors.

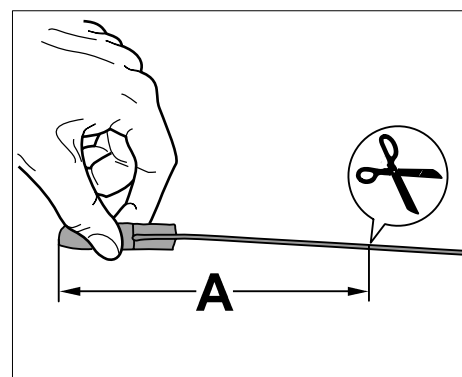


Figure 2

- 2.3 Pull shrink-fit hose $\Rightarrow$ Figure 3 **-Pos. 2-** up over the tension rope you have just cut $\Rightarrow$ Figure 3 **-Pos. 1-** ($\Rightarrow$ Figure 3 **-Arrow-**).

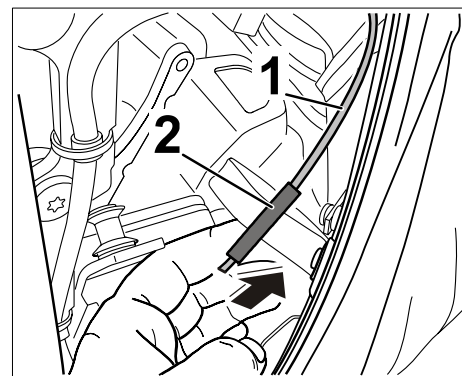


Figure 3

- 2.4 Overlap the cut end of the tension rope ⇒ *Figure 4 -Pos. 2-* with the loose end of the new end piece from the repair kit ⇒ *Figure 4 -Pos. 1-* and insert them into the insulated cable connection ⇒ *Figure 4 -Pos. 3-*. Then press the insulated cable connection together securely using crimping pliers ⇒ *Figure 4 -Arrow-*.

The ends of the rope must overlap over the entire length of the insulated cable connection.

The two outer and inner crimping lugs of the insulated cable connection must be bent over and pressed together completely using the crimping pliers ⇒ *Figure 4 -Arrow-*.

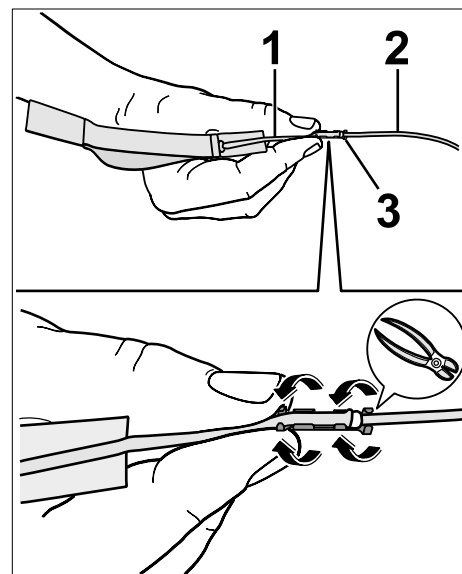


Figure 4

- 2.5 Pull shrink-fit hose ⇒ *Figure 5 -Pos. 1-* over the insulated cable connection ⇒ *Figure 5 -Pos. 2-* and center it ⇒ *Figure 5 -Arrow-*. Then heat it using the heat gun until the contours of the insulated cable connection are drawn through the shrink-fit hose ⇒ *Figure 5 -bottom-*.

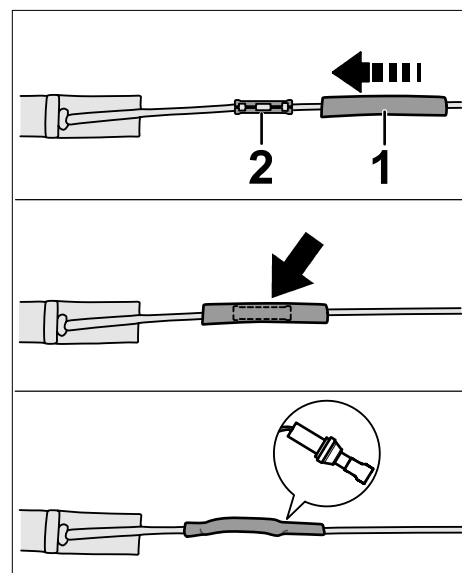


Figure 5

- 2.6 Screw the end piece of the tension rope $\Rightarrow$ *Figure 6 -Pos. 1-* onto the tension bow for the convertible top $\Rightarrow$ *Figure 6 -Pos. 2-* again $\Rightarrow$ *Figure 6 -Arrow-*. **Tightening torque 4 Nm (3ftlb.)**

Check that the end piece of the tension rope $\Rightarrow$ *Figure 6 -Pos. 1-* is parallel to the tension bow or is at a slight downward angle as shown in $\Rightarrow$ *Figure 6*.

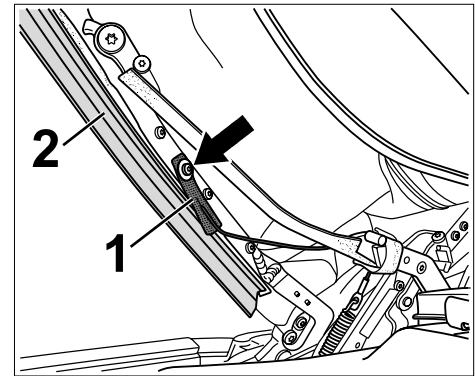


Figure 6

- 3 Repeat **Step 2** on the **right side** of the **convertible top**.
- 4 Check that the tension rope for the convertible top rooflining operates smoothly and moves freely. Open and close the convertible top to check this.
- 5 Move the convertible top from service position back to its initial position. $\Rightarrow$ *Workshop Manual '6101IN Convertible-top service position - section on "Information"*
- 6 Enter the workshop campaign in the Warranty and Maintenance booklet.

Attachment "B": **Administrative Procedure** - Workshop Campaign WB26

Warranty claims should be submitted via WWS/PQIS.

Note: Open campaigns can be checked by using the PIWIS Vehicle Information link.

Labor, parts, and sublet will be automatically inserted when Technician is selected in WWS/PQIS.

Scope 1:

Securing tension rope for the rooflining to the convertible-top linkage using an additional element (rubber cord ring) and reworking end piece of the tension rope

Working Time:

Reworking tension rope on convertible-top linkage

Labor time: **90 TU**

Includes: Moving convertible top into service position
Retrofitting rubber cord ring on both sides of convertible top
Reworking end piece of tension rope on both sides of convertible top

Parts Required:

997.567.939.01	Rooflining guide repair kit	1 ea.
997.567.943.00	Rooflining tension rope repair kit	2 ea.

Invoicing: $\Rightarrow$ **Damage code WB26 066 000 1**

Scope 2: Reworking end piece of tension rope for convertible top rooflining

Working Time:

Reworking end piece of tension rope

Labor time: **60 TU**

Includes: Moving convertible top into service position
Reworking end piece of tension rope on both sides of convertible top

Parts Required:

997.567.943.00 Rooflining tension rope repair kit 2 ea.

Invoicing: ⇒ Damage Code WB26 066 000 1

- References:
- ⇒ Workshop Manual '6101IN Convertible-top service position'
 - ⇒ Workshop Manual '6101IN Diagram showing Cabriolet convertible top'
 - ⇒ Workshop Manual '6101IN Opening and closing convertible top'

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