

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000



pic1

- **This kit includes the dedicated bezels.**
- **Before beginning work, check the kit content.**
- **The greatest care should be taken when carrying out work in order to avoid damages!**
- **Optionally it's possible to connect indicators of the vehicle with the LED-DRL. This causes the LED-DRL to dim during the flashing of the indicators of the vehicle.**
An additional cable harness can be ordered under the SUBARU-item number SENOSC3060 .
- **Bezels are made of PUR-RIM:**
For painting please follow appropriate procedure !

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER
(2009 →)

Part-no.:

SENOSC3000

Parts list :

Pos.	Artikelbezeichnung	Menge	SUBARU Teilenummer
1	LED-stick	2	SENOSC3030
2	Bezel left	1	SENOSC3010
3	Bezel right	1	SENOSC3020
4	Driver	1	SENOSC3040
5	Power cable-DRL	1	-
6	Connection cable-DRL	2	SENOSC3050
7	Manual	1	-
8	Template	1	-
9	Cable tie	12	-
10	TÜV certificate included sticker	1	-
11	3M Adhesion Promotor 4298	1	-
12	3M Surface Cleaner	1	-
13	Hexagonal screws	4	-
	OPTIONAL :		-
	Indicator cable loom (to shade the DRL during flashing)	1	SENOSC3060

Information:

pic2

The type approval of the vehicle will not expire due to the modification.

PRECAUTIONS

- Secure all wires with cable ties and where touching sharp edges apply extra protection on sleeves when necessary.
- Be sure to tighten nuts and bolts with specified torque shown in service manual.
- The illustration in the installation procedures mainly depict the installation of the left side part. Install the right side part in the same manner.

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000

Mounting

step 1:

- Disconnecting the (-) cable from the battery causes the radio and audio presets, the clock etc. to lose their memory. Record the contents of the memory before disconnecting the battery (-) cable to allow you to reprogram the radio presets after the installation is completed.
- Every step of mounting applies to the driver and passenger side !

Cut-out:

step 2 :

- Cut out the paper template. Follow the line with the scissor icon.
- Fix the template with adhesive tape like shown in pic 3.



pic3

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER
(2009 →)

Part-no.:

SENOSC3000

- Take off the bumper, follow Subaru service manual.



pic 4

- Carefully cut out the shaded area of the template at the bumper. (padsaw / jig saw)



pic 5

NOTE: Leave part A+B of the template at its place. It is used for positioning the bezels later on ! (pic 21/26)

Mounting Instructions

LED day-time-running-light (LED-DRL)



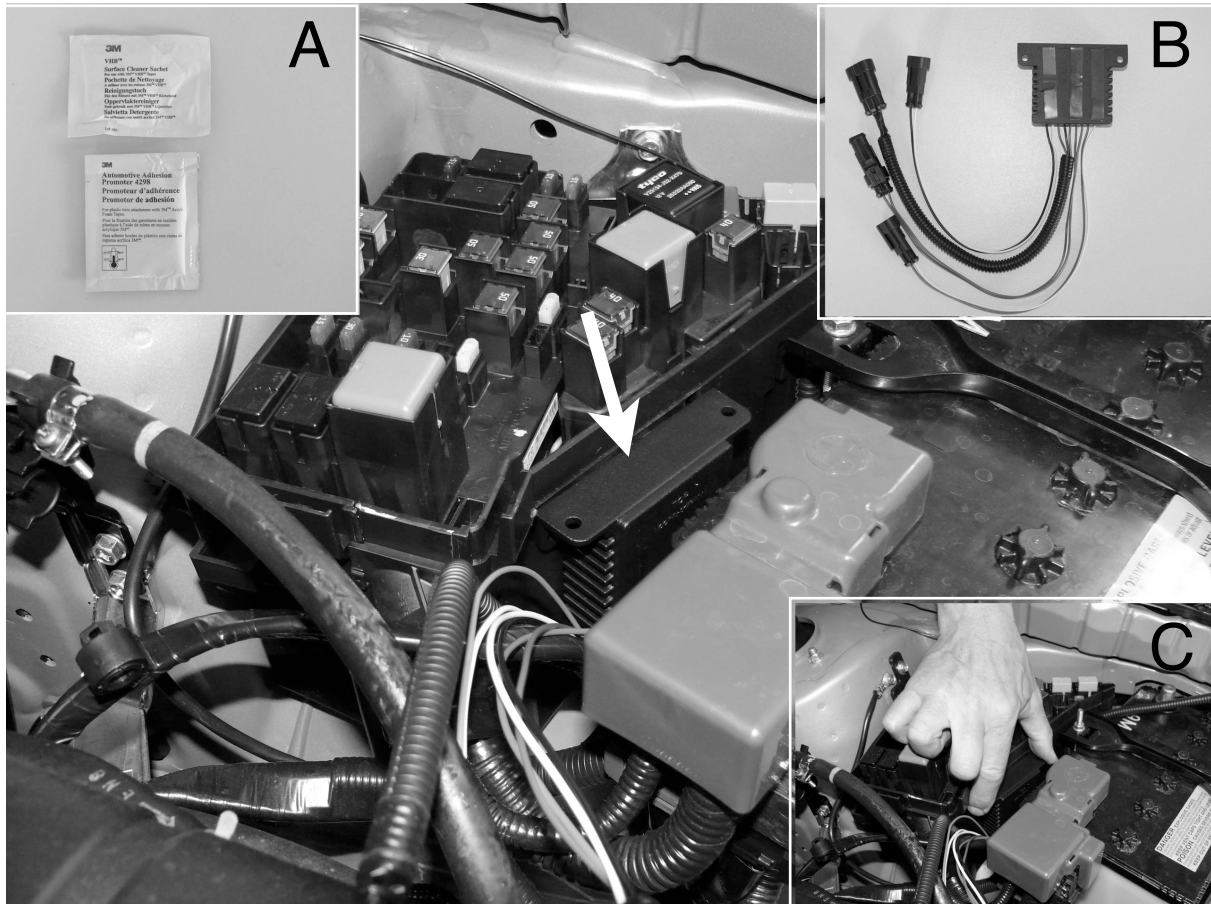
FORESTER
(2009 →)

Part-no.:
SENOSC3000

Electrical connection

step 3 :

- Please use the electrical diagram on page 6 to make the electrical connections.



pic 6

- Driver needs to be fixed to the outer wall of the fusebox in the engine compartment, following instructions on next page.

Mounting Instructions

LED day-time-running-light (LED-DRL)

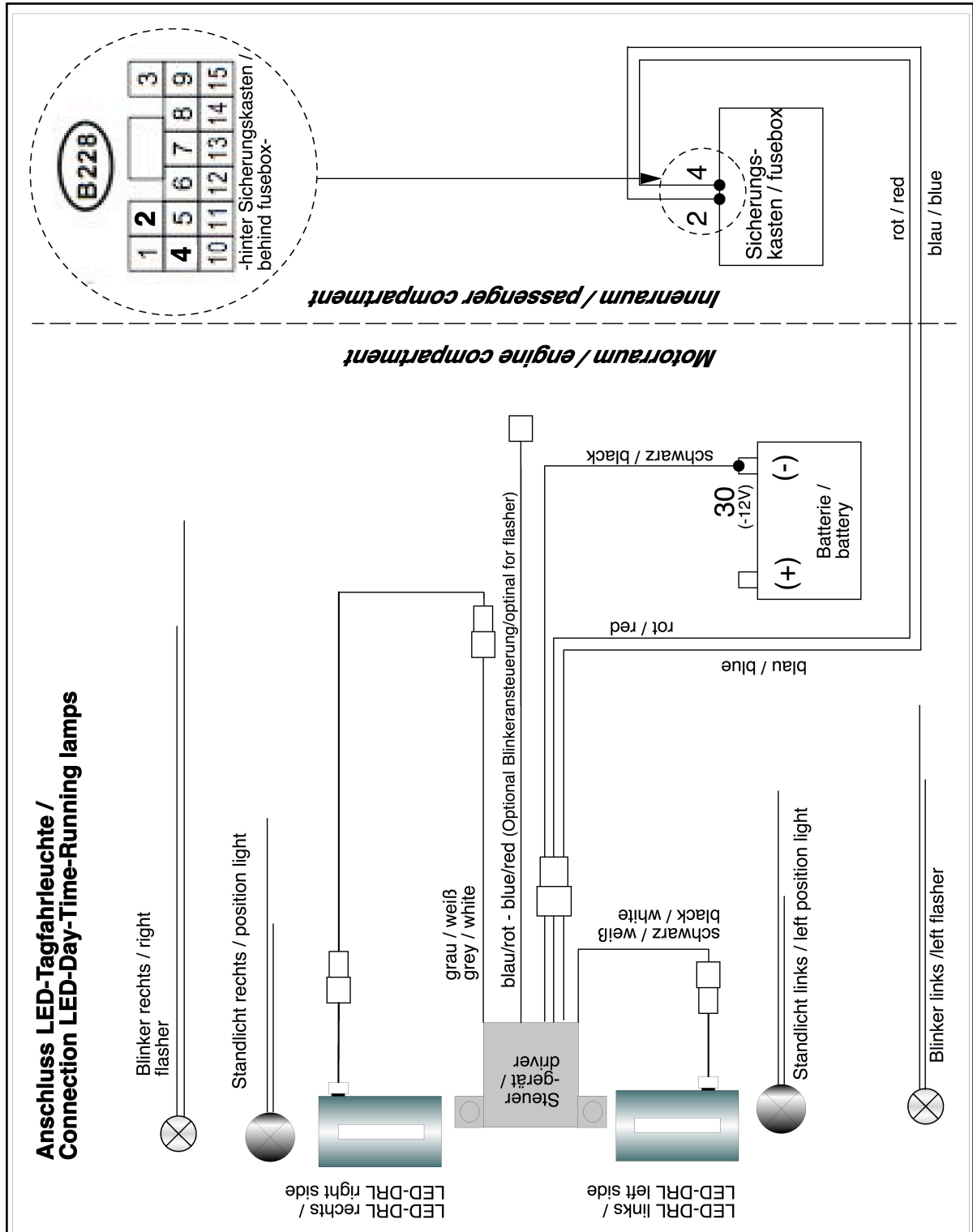


SUBARU

FORESTER
(2009 →)

Part-no.:

SENOSC3000



Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

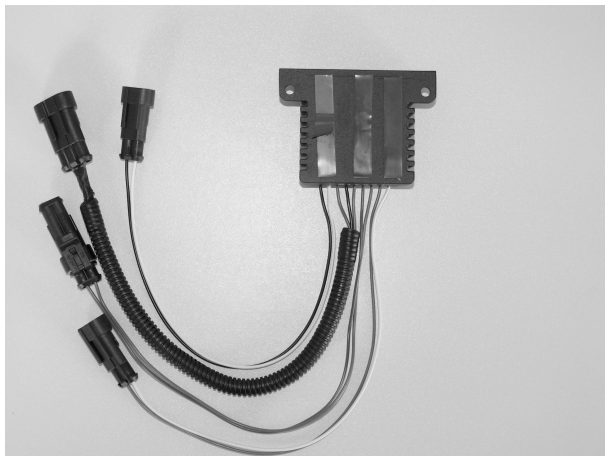
FORESTER
(2009 →)

Part-no.:

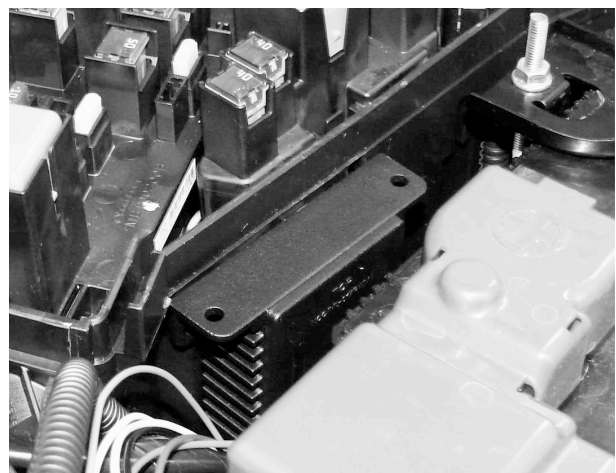
SENOSC3000

ATTENTION!

- You have to clean the fixation surface with the included „3M Surface Cleaner “ pad so that it is free of silicon or greases .(pic6 / A)
- After drying time of 2 minutes apply the included „3M Adhesion Promotor 4298 “. (you also have to keep a drying time of 10-12minutes before sticking together)
- Peel off the red backing strip of the double-sided adhesive tape at the back of the driver.(pic 8)



pic 7



pic 8

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000

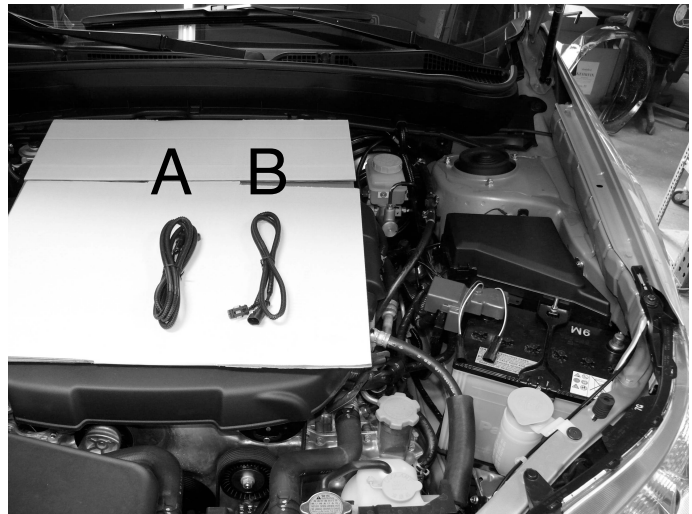


PIC 9

- Connect the two-core cable „**connection-cable DRL**“ to the two-core cable „**driver**“ (PIC 9/10)

Attention!

- Connect the longer one „**cable A**“ to the white/grey cable of the driver.
- The short one „**cable B**“ has to be connected with the white/black cable of the driver.



pic 10



pic 11

- Route „**cable A**“ to the area under the right headlamp . (pic11)
- Route „**cable B**“ to the area under the left headlamp. (pic11)

CAUTION !
AVOID THE HARNESS TO BE DAMAGED BY SHARP EDGES, MOVING PARTS ETC.
TIE IT DOWN ACCORDINGLY !

Mounting Instructions

LED day-time-running-light (LED-DRL)

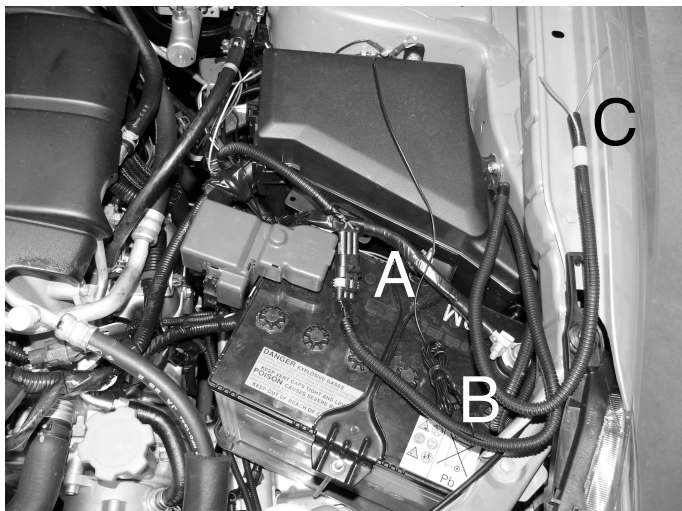


SUBARU

FORESTER
(2009 →)

Part-no.:

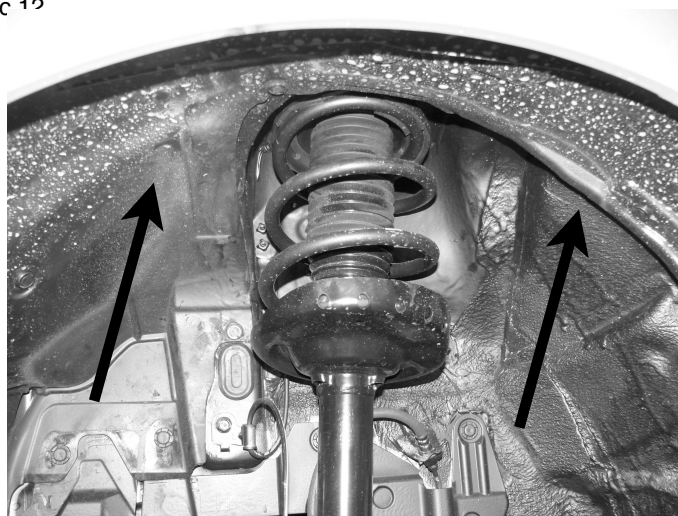
SENOSC3000



pic 12

- Connect the three core cable „**power cable -DRL**“ to the three core cable of the driver.(pic12/A)
- Connect the black cable (with a ring connector) with the **battery terminal -12V !** (pic12/B)

- Route the red and blue cable of the „**power cable-DRL**“ into the passenger compartment parallel through the left wheel housing. (pic12/C)
- For this please dismount the mud cover of the wheel housing.(pic13)



pic13



pic 14

- Route the red and blue cable through the rubber grommet into the passenger room. (pic14)

CAUTION !

AVOID THE HARNESS TO BE DAMAGED BY SHARP EDGES, MOVING PARTS ETC. TIE IT DOWN ACCORDINGLY !

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER
(SH 2009→)

Part-no.:

SENOSC3000

- Remove the panel below the steering wheel and the cover of the fuse box (pic15/16)

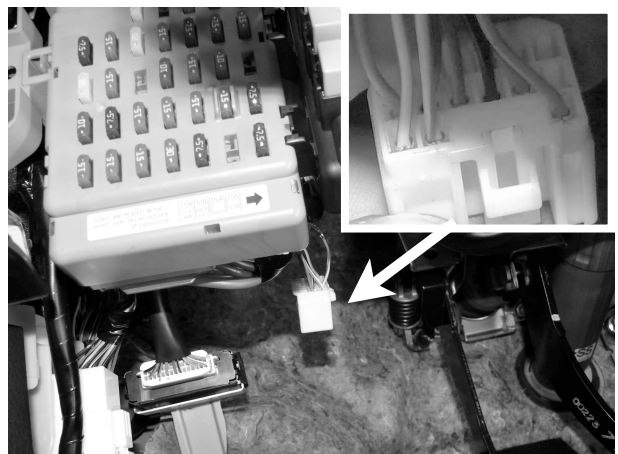


pic 15



pic 16

- Find the 15-PIN white OP-connector „B228“ behind the fusebox. (pic17)



pic 17

Mounting Instructions

LED day-time-running-light (LED-DRL)



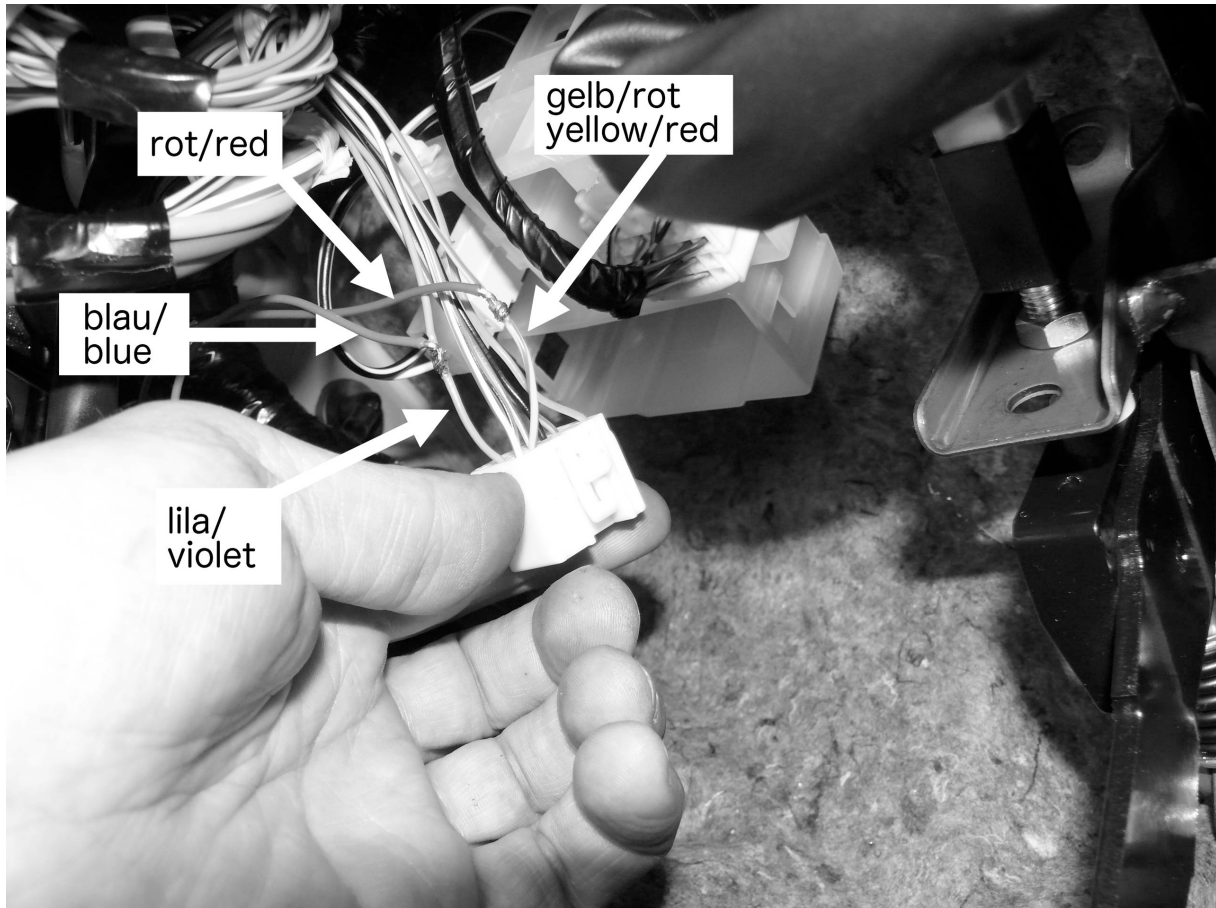
SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000



pic 18

- Connect the red wire to the yellow/red cable of the 15-PIN white connector „B228“(plug B228 PIN2) by soldering and afterwards isolate the connection carefully with isolating tape.
- Connect the blue wire with the violet cable of the 15-PIN white connector „B228“(plug B228 PIN4) by soldering and afterwards isolate the connection carefully with isolating tape.(pic18)

CAUTION !

AVOID THE HARNESS TO BE DAMAGED BY SHARP EDGES, MOVING PARTS ETC.

TIE IT DOWN ACCORDINGLY !

Mounting Instructions

LED day-time-running-light (LED-DRL)

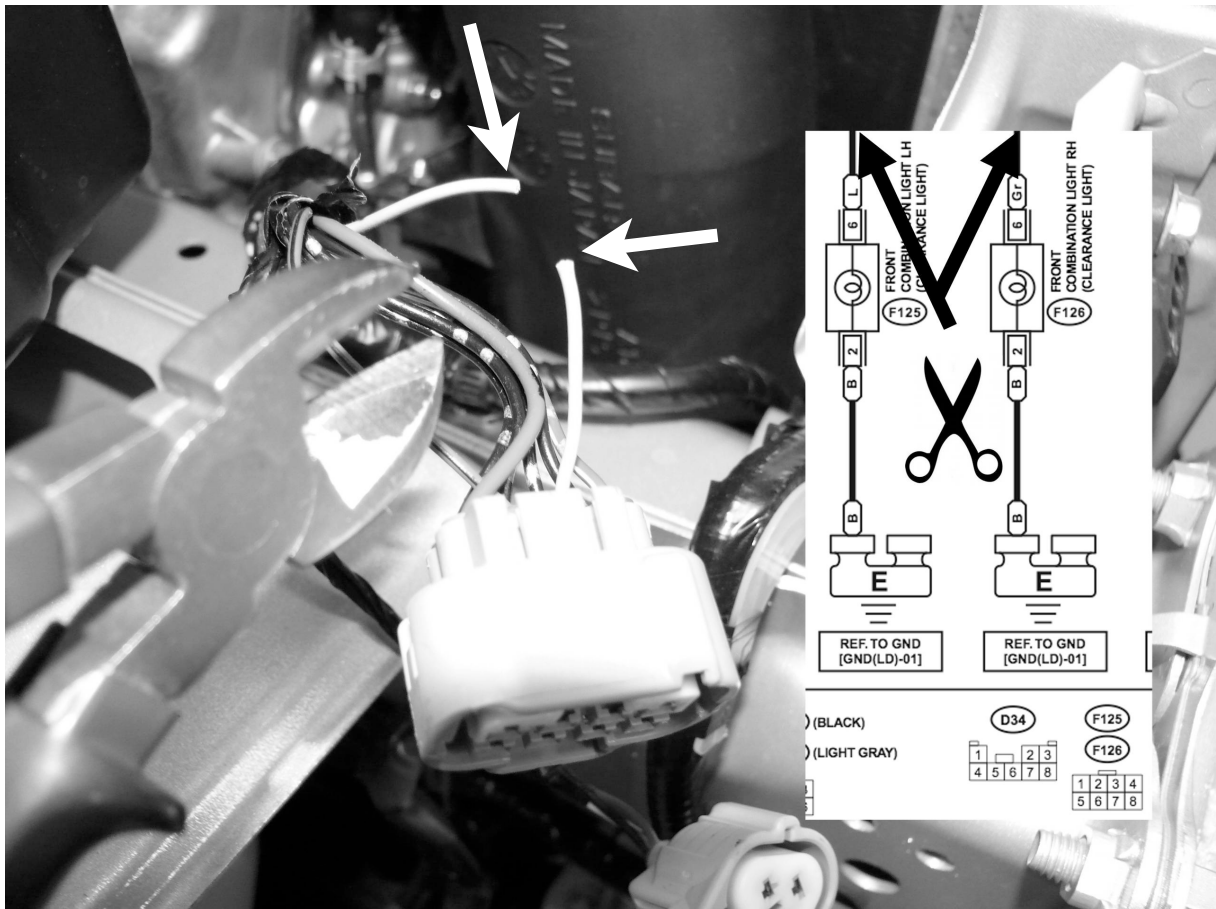


SUBARU

FORESTER
(2009 →)

Part-no.:

SENOSC3000



pic 19

- **ATTENTION !**

To meet ECE R48 regulations the standard position light of the car has to be disconnected!

Therefore cut the grey cable (**plug F126 PIN6**) of the right headlamp and the blue cable (**plug F125 PIN6**) of the left headlamp and isolate carefully with isolating tape (pic19)

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000

Installation LED-DRL units

step 4 :

- Install the bumper and the the mud cover of the wheel housing (pic20)



pic 20

- Cut out careful the „**area B**“ of the paper template (dashed Line).

Put the paper template on the bumper. (pic21)



pic 21

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

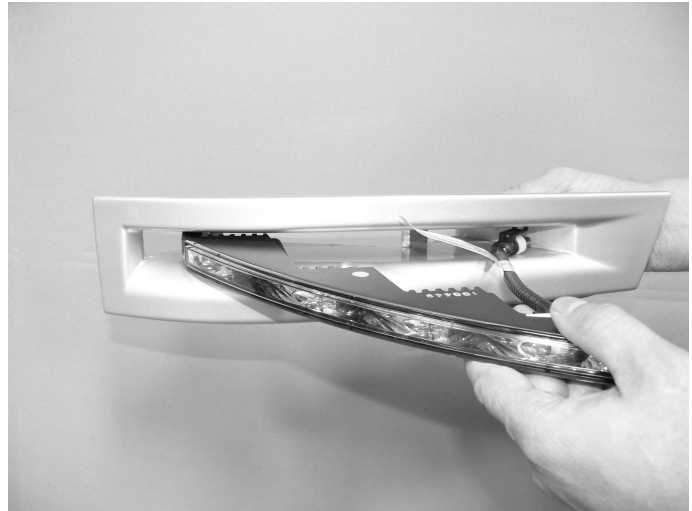
FORESTER

(2009 →)

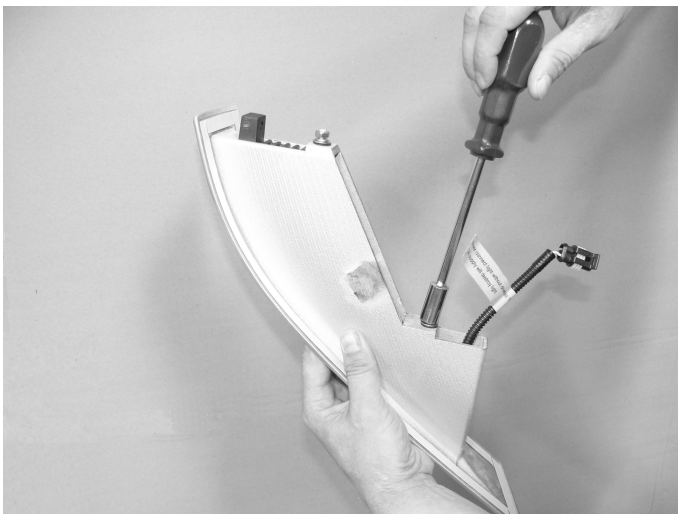
Part-no.:

SENOSC3000

- Insert in the LED-sticks into the bezel.
(pic22)



pic 22



pic 23

- Fix the LED-units to the bezels by means of the hexagonal screws.
(pic23)

- Connect the two core-cable of the LED-units to the „**connection-cable DRL**“ on the car. (pic23)

- **Operation check:**

- If you turn on ACC-ignition, the DRL has to turn ON !
- If you turn on the headlamps, the DRL has to be dimmed.



pic 24

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000

- Clean the bonding surface (bumper) with the included 3M surface cleaner pad so that it is free of silicon or greases. (pic26)
- After drying time of 2 minutes peel off the red backing strip of the double-sided adhesive tape at the back of the bezels. (pic25)



pic 25



pic 26

- Press the bezels and fit them securely.
The fitting of the bezel had to be flush with the paper template at the bumper! (pic26)

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000

step 5 :

Final mounting :

- install all removed parts .
- final check

• Operation check:

- If you turn on ACC-ignition, the DRL has to turn ON !
- In additional if you turn on the main headlamps, the DRL has to be shade down.

If the DRL´s should turn off by turning on the main headlamps of your car, (IMPORTANT for cars with tuned suspension!) you have to program your driver like shown on page 17 !

ATTENTION :

Fogging of the headlight lenses

Modern headlamps are ventilated to avoid corrosion.

This means that at certain weather conditions, condensation collects inside of the lens. This should disappear shortly after the the LED-DRL is turn on.

Fogging of the lens is no reason for a complaint !



It´s not allowed to use high-pressure cleaner to clean the LED-DRL!

Mounting Instructions

LED day-time-running-light (LED-DRL)



SUBARU

FORESTER

(2009 →)

Part-no.:

SENOSC3000

Programming of the driver:

The programming of the driver is done by the serial switch for the headlamps of the car. You get a feedback from your LED-DRL by means of a flash.

Programming mode for Position light ON/OFF

- 1) Ignition ON (Driver input 15)
- 2) Within 10 seconds, start switching the position light ON and OFF 4 times and stop with Position light OFF at fourth time.
- 3) Wait until LED-DRL flashes twice, then repeat 2)
- 4) Wait until LED-DRL flashes to show the actual mode like mentioned below

This procedure changes the Position light mode from ON and OFF and vice versa.
For confirmation the DRL will flash at the end of the procedure (after step 4) like this:

DRL flashes twice -> PO OFF
DRL flashes four times -> PO ON