

C63 Package 440



Version 1.3 Date 16.04.2014

AMG Performance Center Information

Sales and Service

Cooling package 440 for C 63 AMG

Results of the further development from inter alia the „F1 AMG Medical Cars” have led to the development of an enhanced cooling system for the C 63 AMG.

In order to allow an even better cooling, high-performance coolers are applied in combination with an optimized air path which allow a reduction of the engine oil temperature while driving. Therefore, these measures can also serve the purpose of an optimized cooling of the engine while operating in the outer limit.

This modification **has to be paid by the customer** and **may not be claimed as warranty or goodwill**. Please refer to the

following table for further information:

The package has to be ordered by email at Mercedes-AMG

Parts order: parts-amg@daimler.com

Technical questions: amg-technik@daimler.com

Partnumbers: A 204 880 06 00 panel

A 204 500 57 00 cooling system

valid:

Typen 204.x77 from code 802

except code P98 (Black Series)

Installation appr. 8 h



Mercedes-Benz

Technical Information Package 440:

The cooling package includes the following changes:

- larger front oil cooler lying
- larger wheel arch cooler
- custom air guides
- Larger air intakes in the underbody paneling and wheel arch right
- Custom oil lines for engine and gearbox oil

Elimination:

Extractor fan in the wheel arch right
Serial cooling components

Documentation:

Entry in VEDOK code 440, capital O not a zero for handling spare parts in future !
Spare parts supply via EPC at the usual channel available 05/2014

Delievery cooling panels and bottom panels

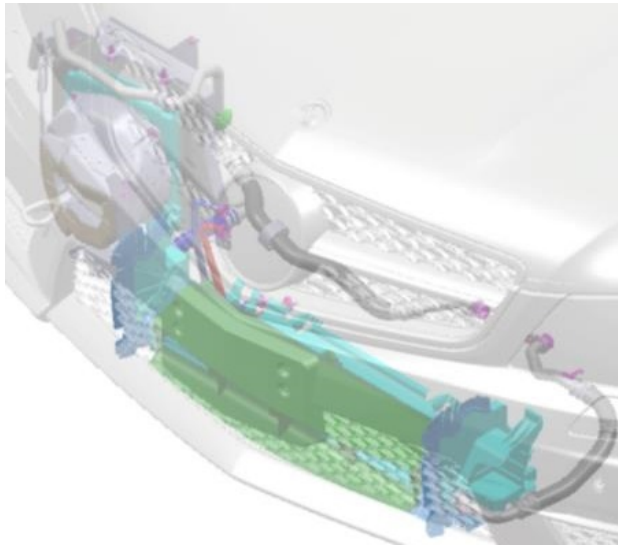
A204 8800 600	Cooling panels	number	found
A 003 994 7545	plug clip nut	16	
A 001 984 6229	screw MBN 10268-5X 10-ST DBL9441.50	16	
A 204 524 0000	cover of the engine compartment bottom front	1	
A 204 524 0100	cover of the engine compartment bottom	1	
A 204 524 0200	cover of the engine compartment bottom right	1	
A204 880 0700	wheel arch panel right	1	
A204 885 0500	cover front bumper	1	

Delivery cooling system A 204 500 57 00

part number	part	number	found
A0009952032	double clamp connector	1	
N000000004617	screw M 6 x 20-8.8	4	
N910112006003	nut -M 6	16	
N910143006001	screw M 6 x 16- 8.8	5	
A2315040112	rubber bearing	4	
A0049941545	clip nut	1	
N910143006002	screw M6 x 20- 8.8	1	
N000000001476	screw M 6 x 16- 8.8	1	
A2305001200	front oil cooler	1	
A1975001600	wheel arch cooler	1	
A2045003900	air guide	1	
A2045004000	holder bottom	1	
A2045004100	holder top	1	
A2045004500	holder left	1	
A2045004600	holder right	1	
A2045004900	oil line left	1	
A2045005000	oil line right	1	
A2045005100	oil line from engine to the front oil cooler	1	

part number	part	number	found
A2045005200	oil line from wheel arch cooler to front oil cooler	1	
A2045005300	oil line with spacer	1	
A2045005400	air guide A	1	
A2045005500	holder left	1	
A2045005600	holder right	1	
A2045010000	holder	1	
A2045040000	Holder A + B	2	
A2045040100	sealing strip	1	
A2045040200	holder right	1	
A2045050000	sealing strip set	8	
A2045050100	sealing strip	1	
A2045230000	strut	1	
N000000001149	screw M6x25 -8.8	4	
N000908012009	oil drain plug M12x1,5.	1	
N007603012100	sealing ring 12 x16-AL	1	
A 000 993 1302	Looking ring for transmission oil lines	4	
A 168 545 2328	plug	1	
A 000 545 6280	sealing for plug	2	

Preparation



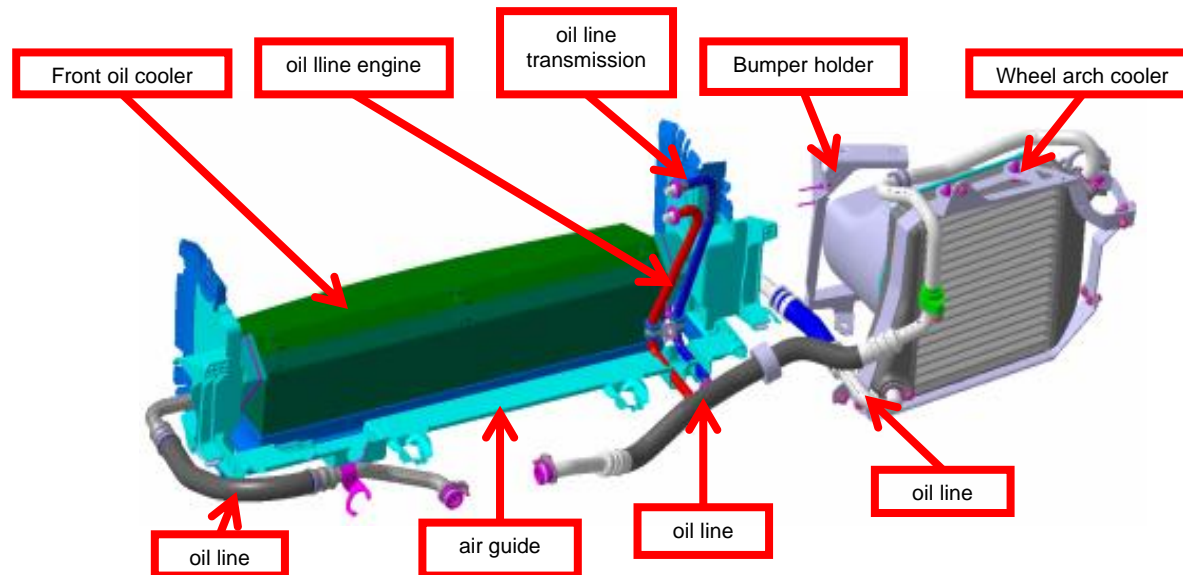
UBV front

Front wheel arch right

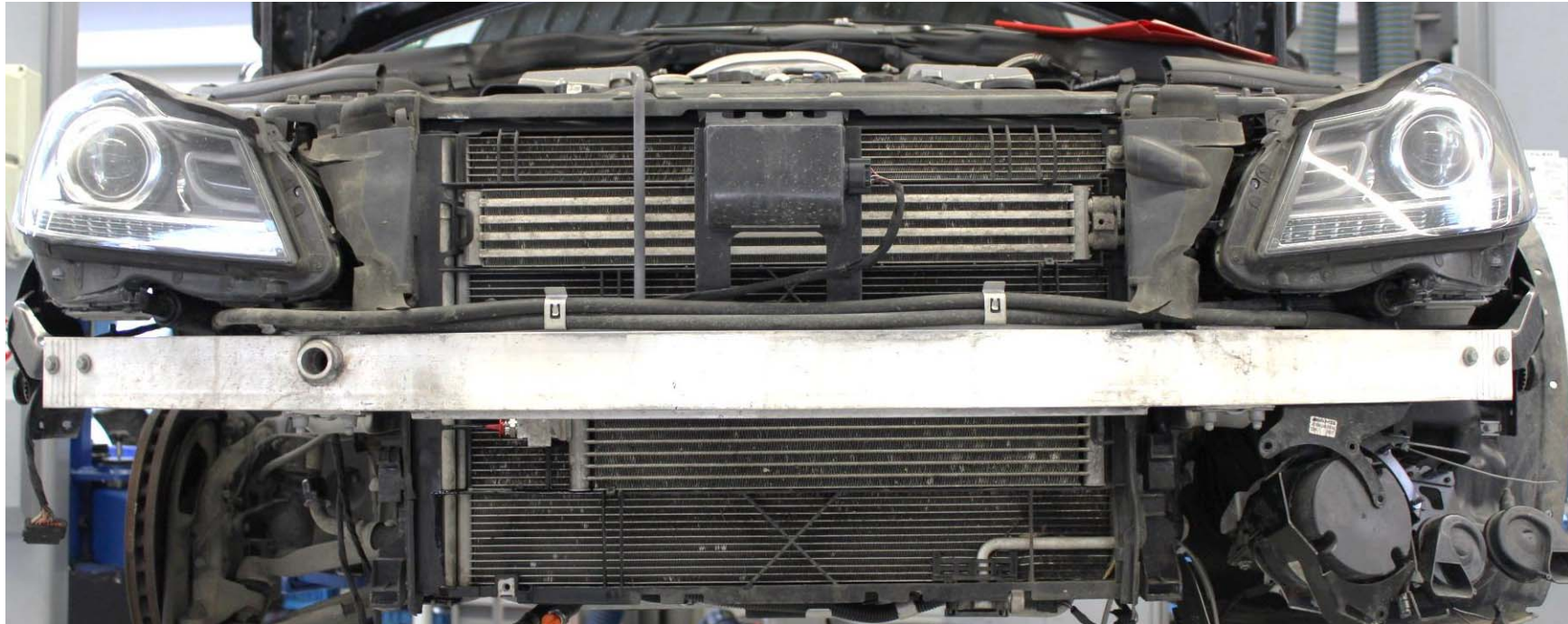
front bumper

Serial cooling components -
wheel arch cooler
oil lines engine + transmission

remove

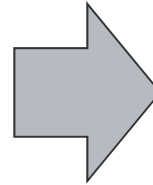


1.1 Front view after all serial cooling parts has been removed

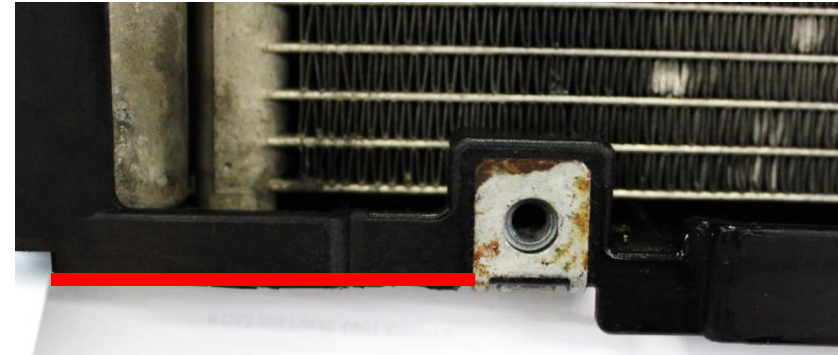


1.2 Trim the support frame of the cooler for clearance transmission oil lines

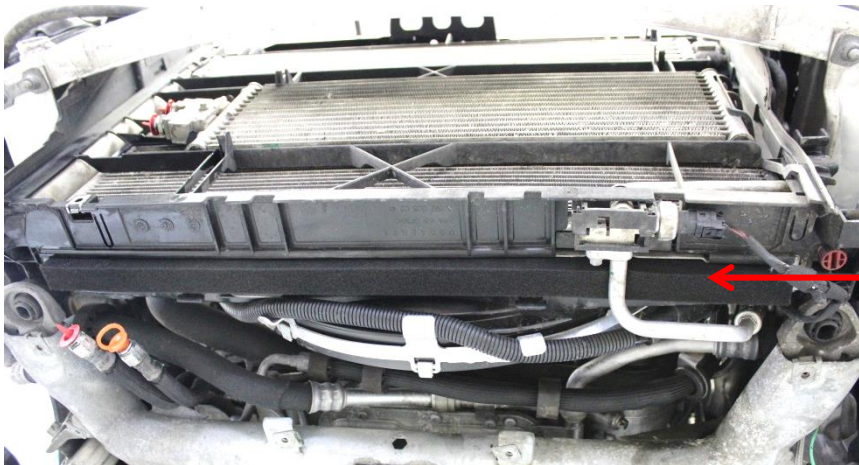
before



afterwards



1.3 Fix sealing strip of water cooler



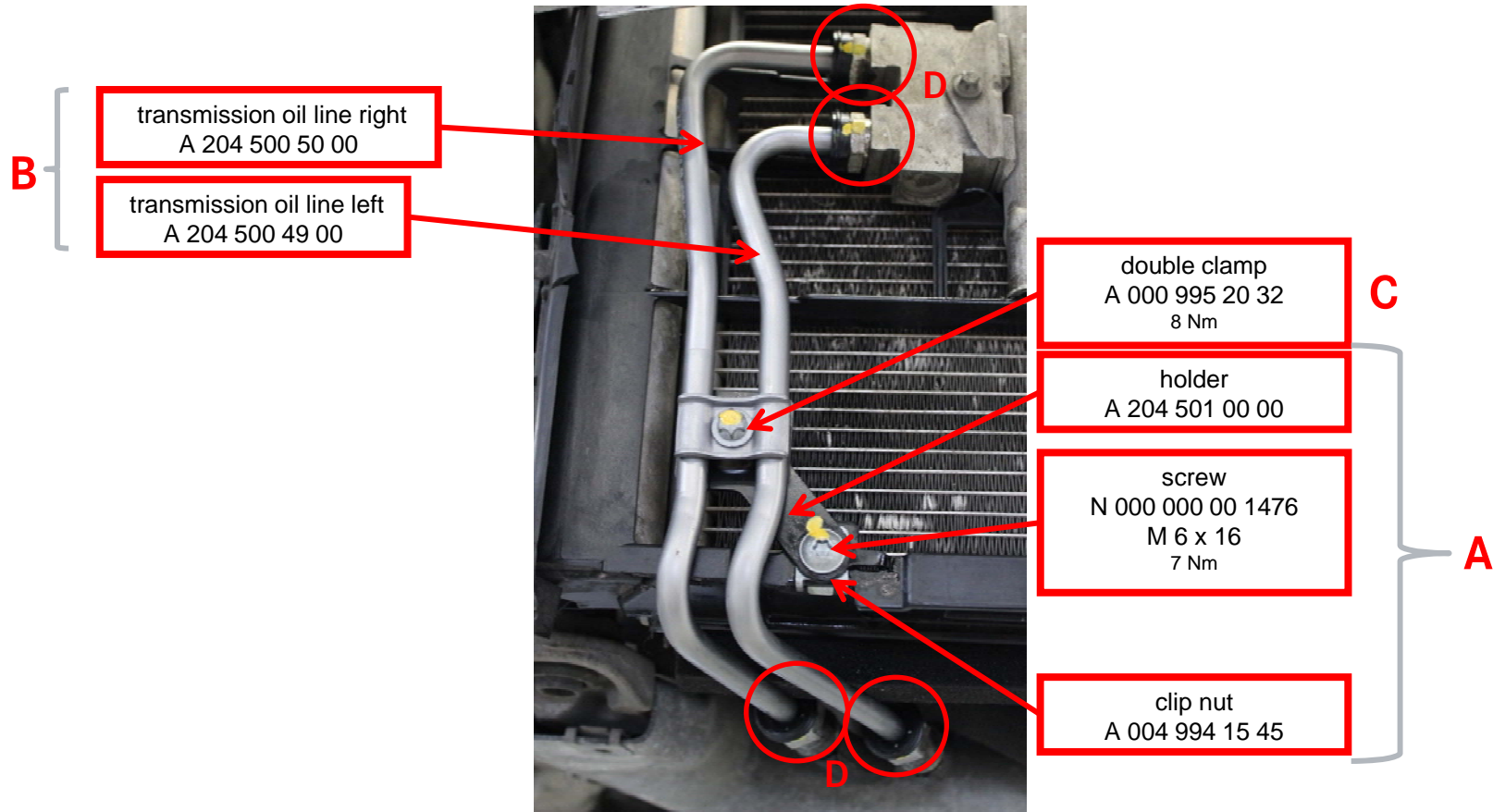
IMPORTANT: The adhesive surface must be completely free of grease and dirt before fixing the sealing strip!

Sealing strip
26 x 28 x 634 mm
A 204 505 00 00

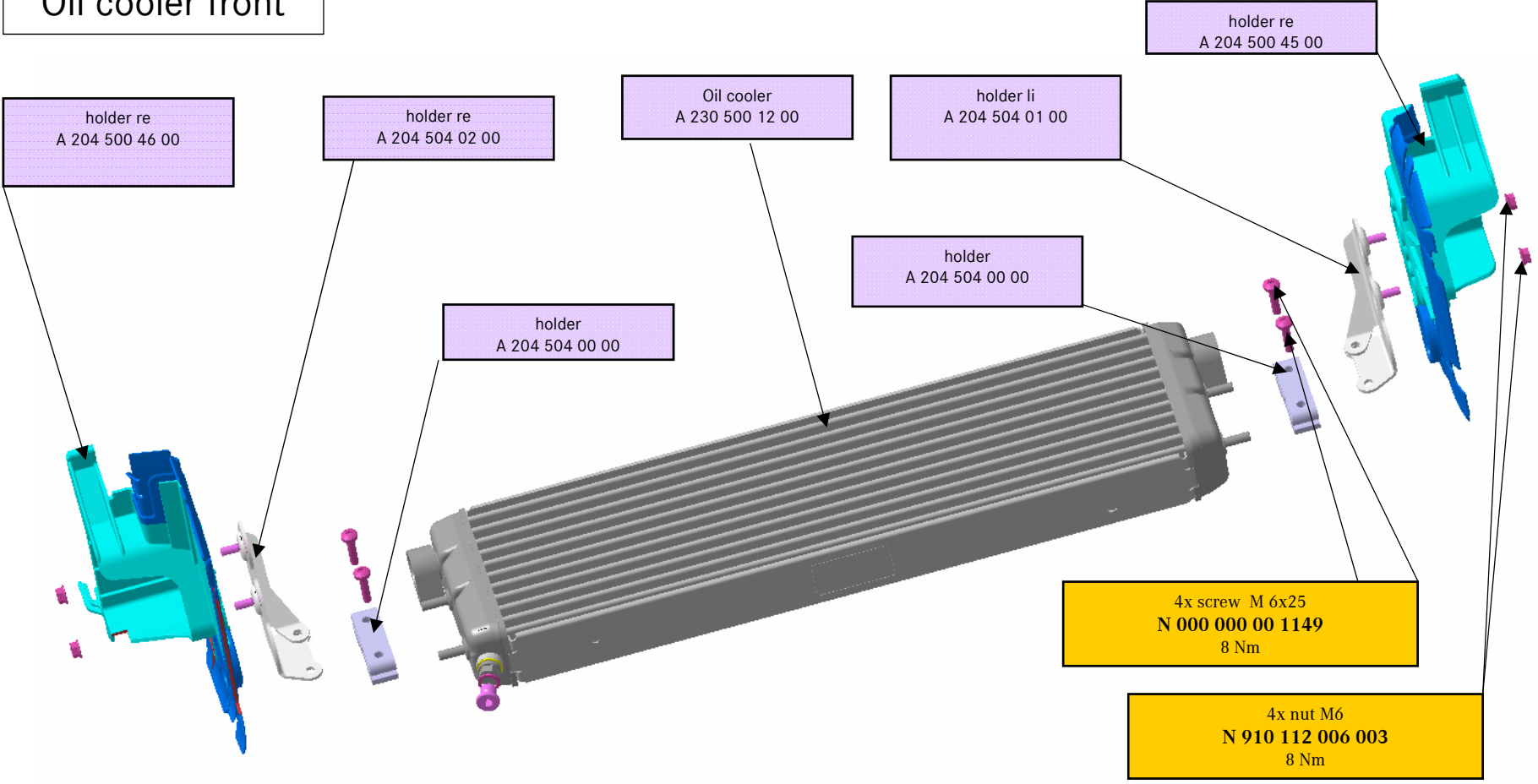
1.4

Mount holder A

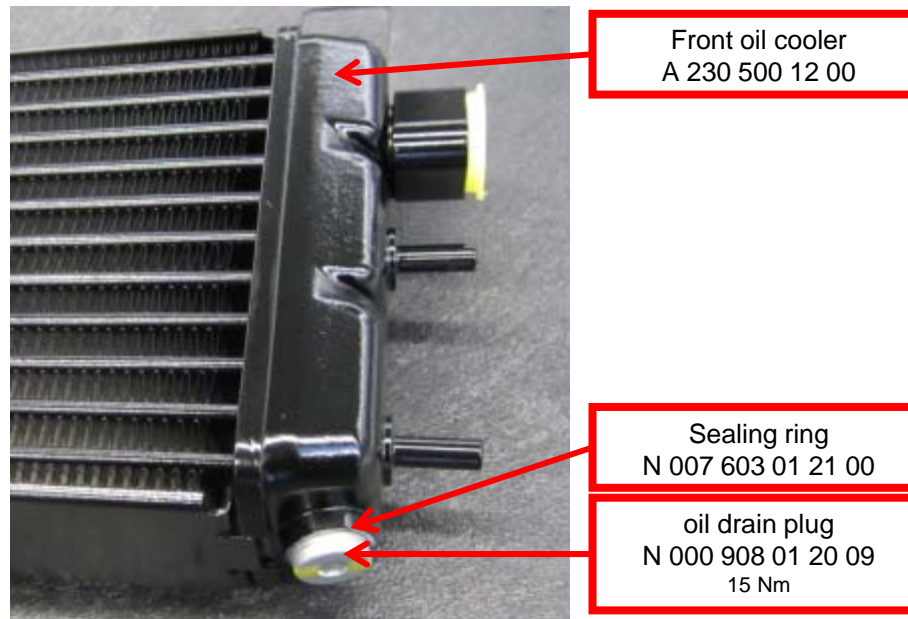
Connect both transmission oil lines B and attach with double clamp C
fit transmission oil lines with NEW locking ring A 000 993 1302 Pos. D



Oil cooler front



- 1.5 Replace oil drain plug on front oil cooler, remove the old oil sealing
Fit new screw plug including sealing ring



1.6 Fix both holder A + B and the sealing strips

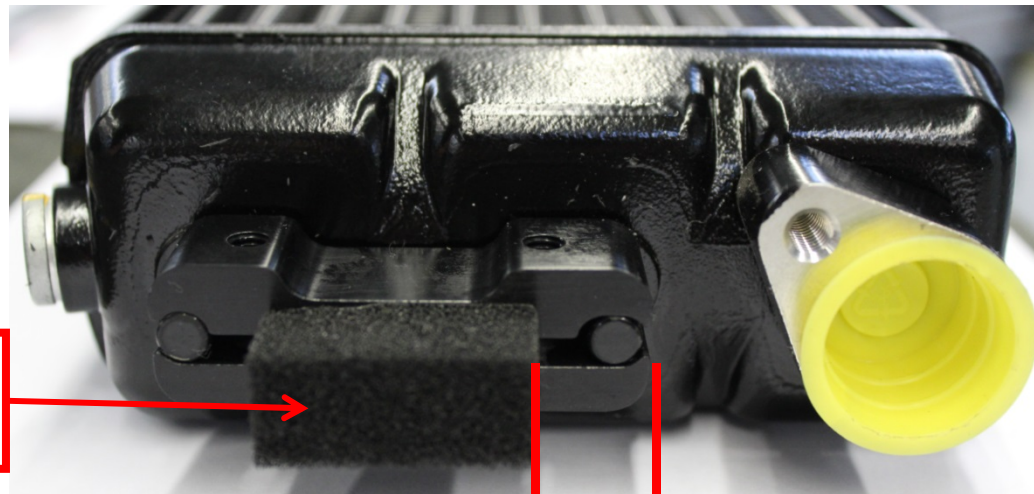
IMPORTANT: The adhesive surface must be completely free of grease and dirt before fixing the sealing strip

holder A
A 204 504 00 00



holder B
A 204 504 00 00

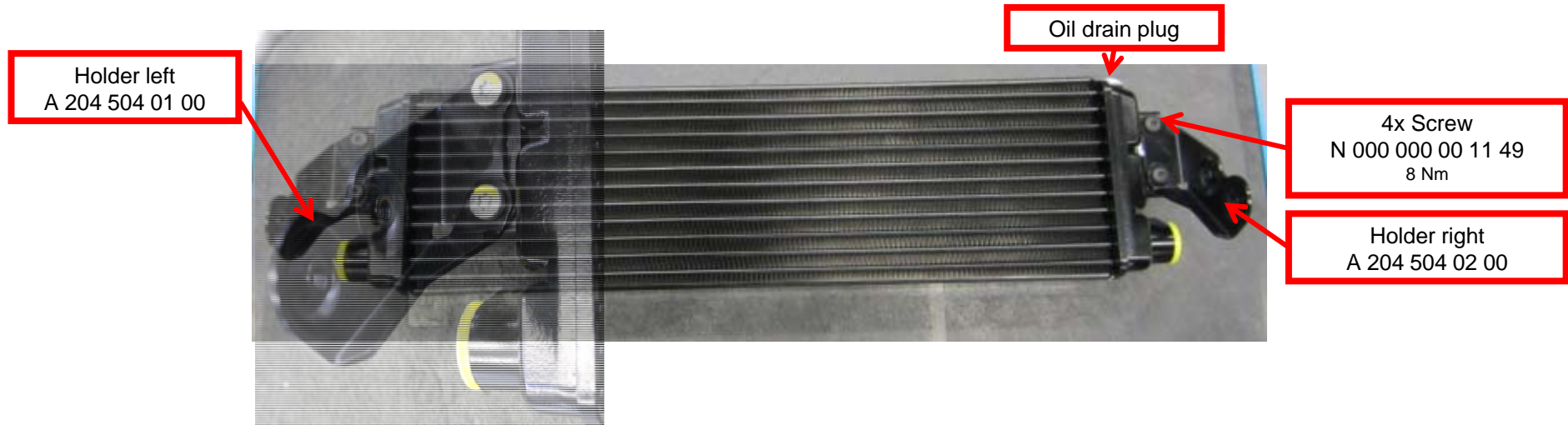
2x sealing strips left and right
33 x 15 x 16 mm
A 204 505 00 00



5 mm

View holder A

1.7 Mount Holder left + Holder right with screws



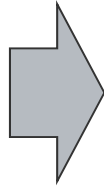
1.8 Mount further Holder left + Holder right



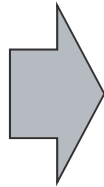
1.9 Connect both oil lines



Oil line with distance ring
A 204 500 53 00

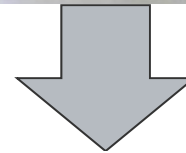
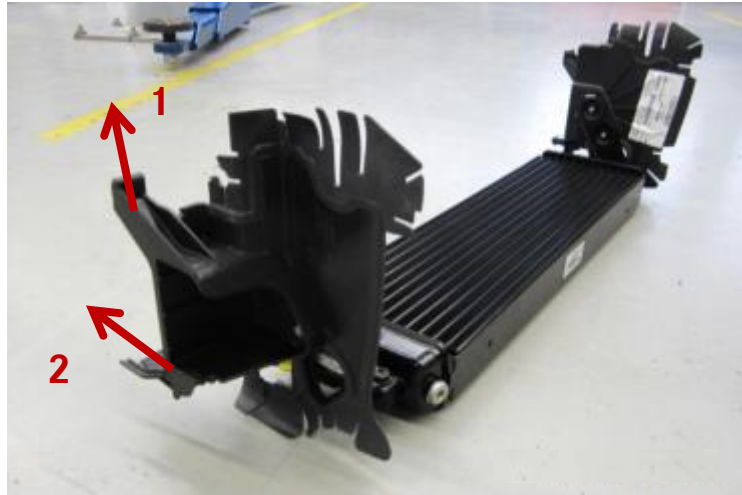


Oil line
A 204 500 51 00

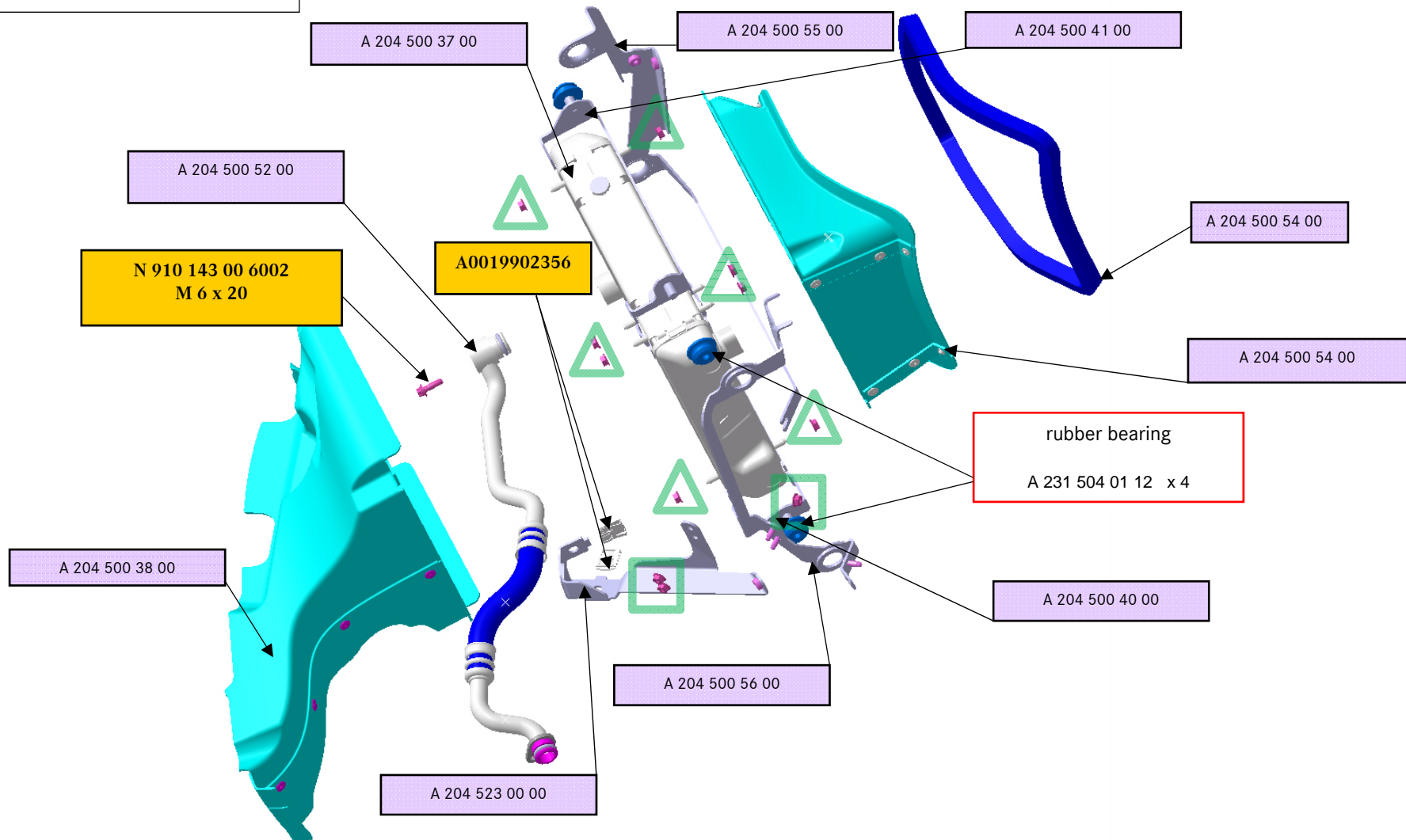


2 x screw
N 910 143 00 60 01
8 Nm

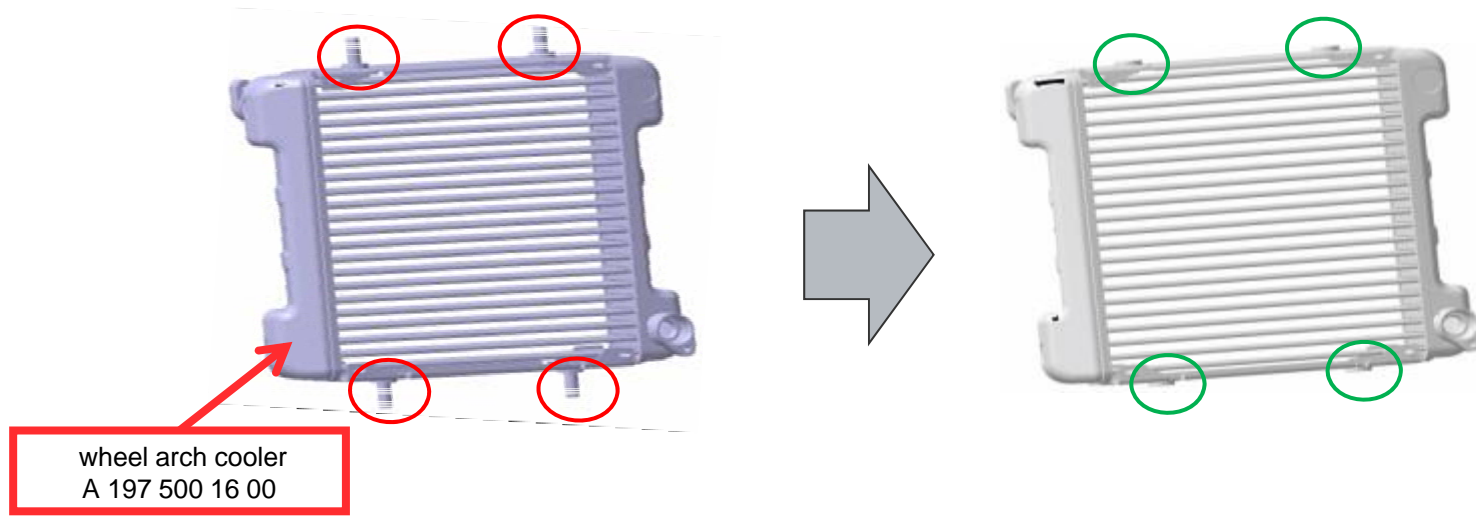
2.0 Mount front oil cooler in original fixation



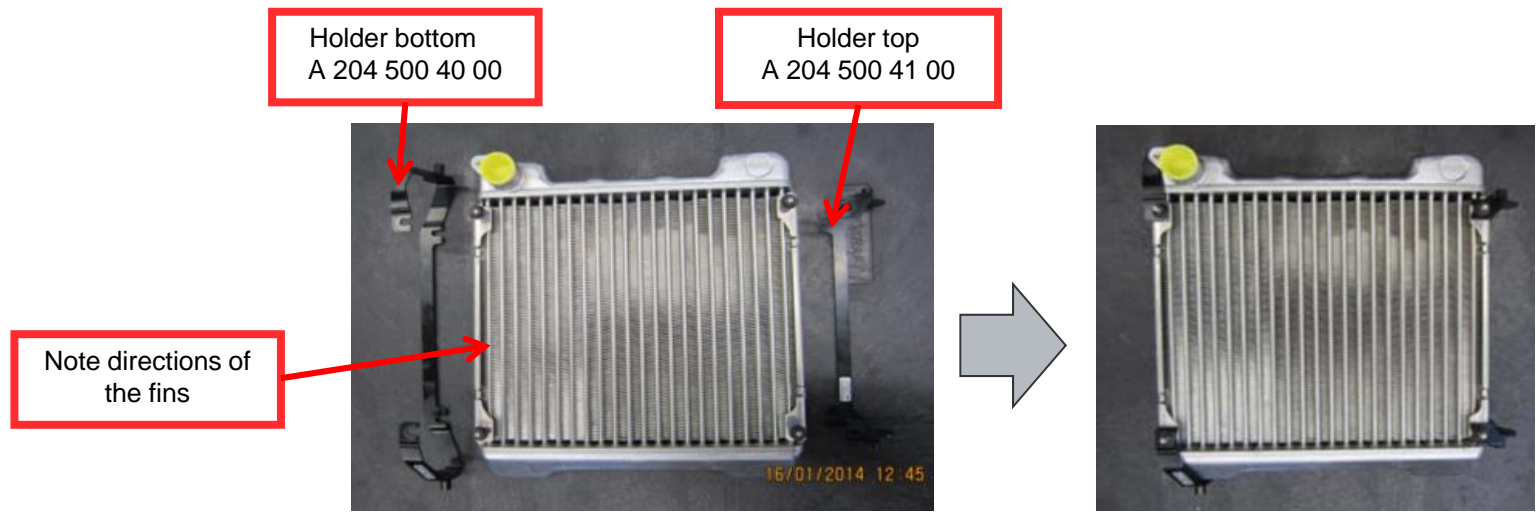
wheel arch cooler



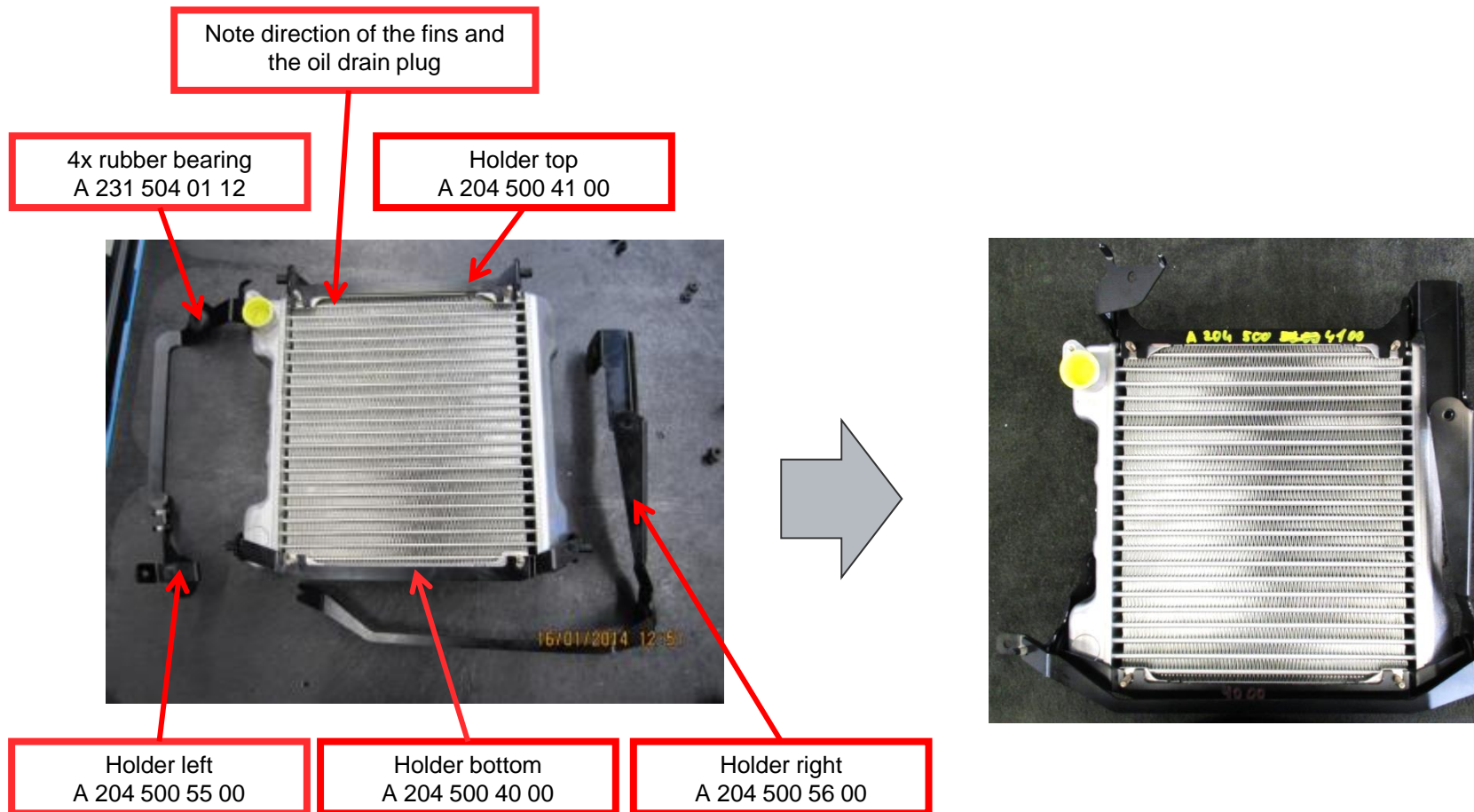
2.1 remove 4 bolt at the wheel arch cooler



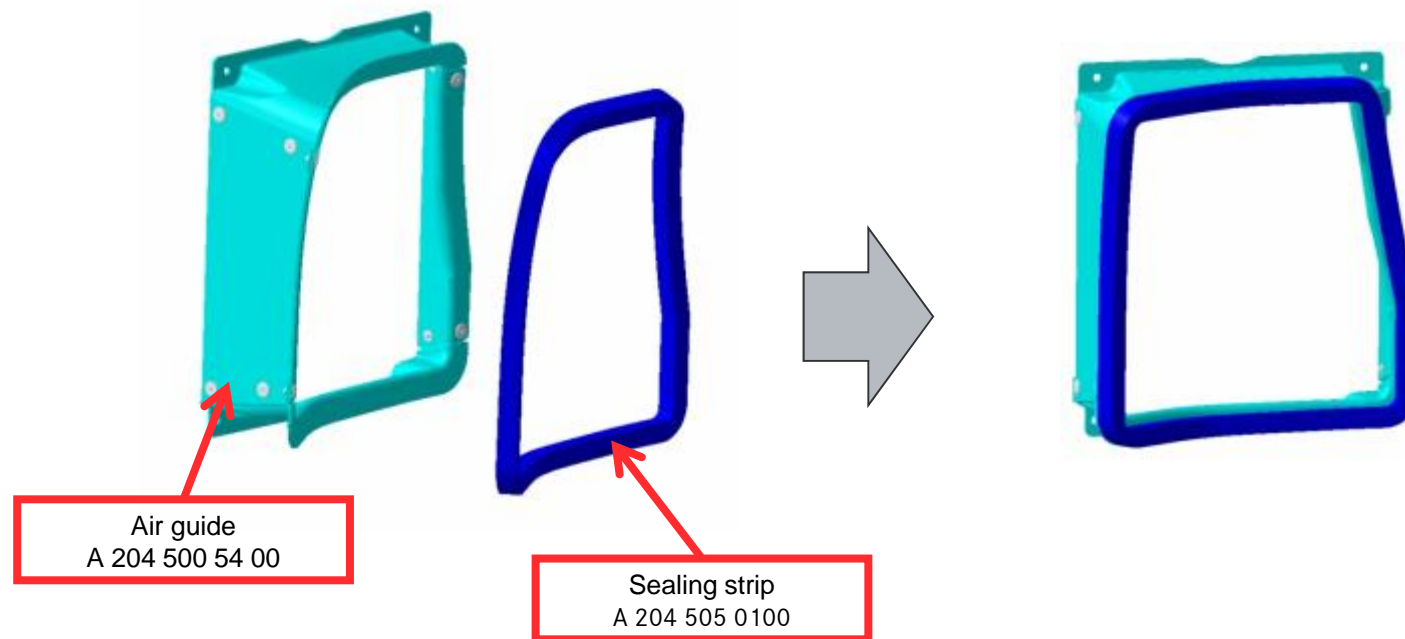
2.2 Fix holder bottom and holder top at the wheel arch cooler



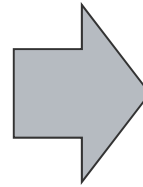
2.3 Insert the rubber bearing Holder left + right Push both hinge pin on Holder top + Holder bottom



2.4 Fix sealing strip on air guide



2.5 Mount air guide A on the prepared wheel arch cooler B

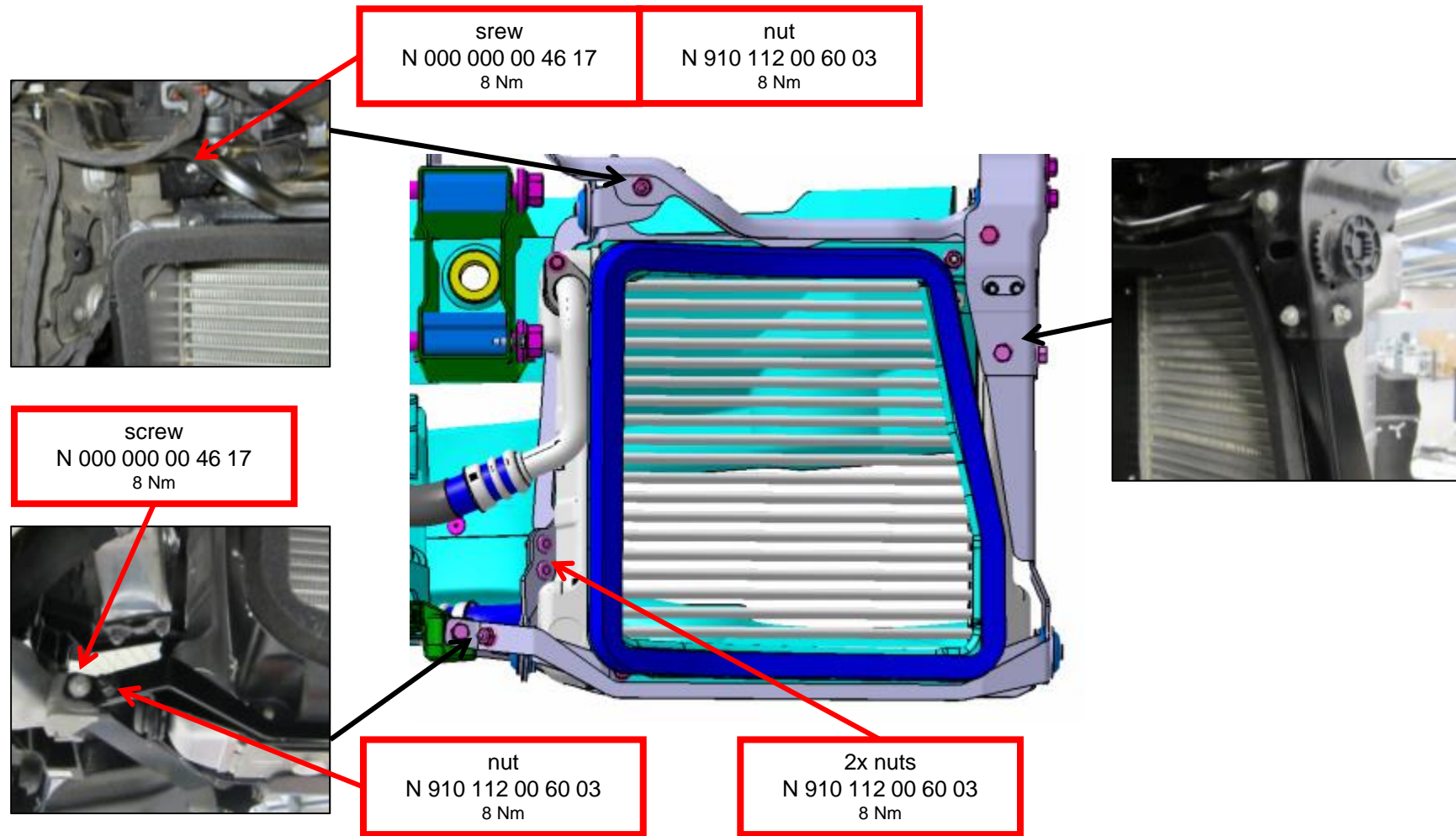


4x screw
N 910 112 00 60 03
4 Nm

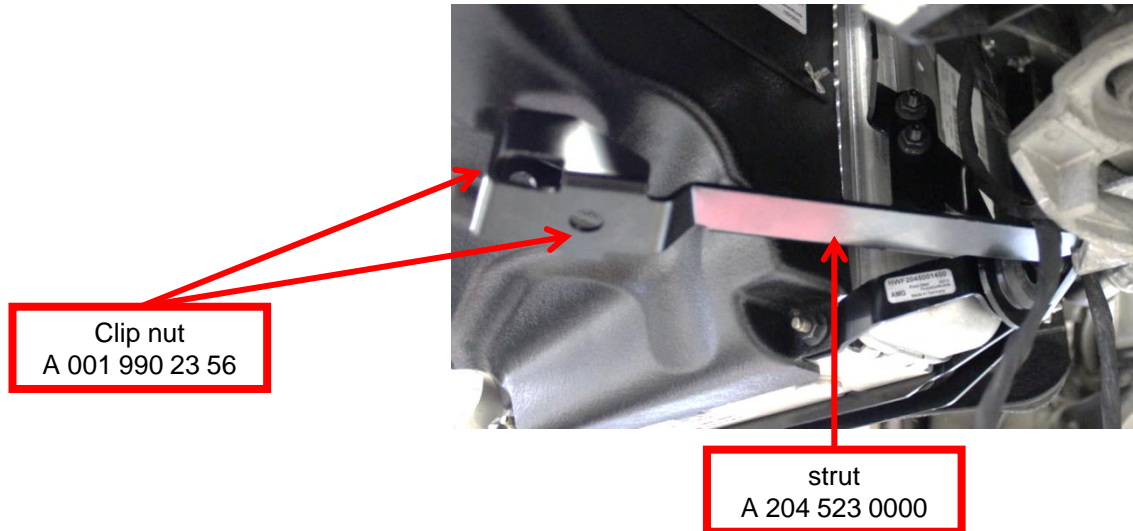
2.6 Mount air guide C at the wheel arch cooler D screw together



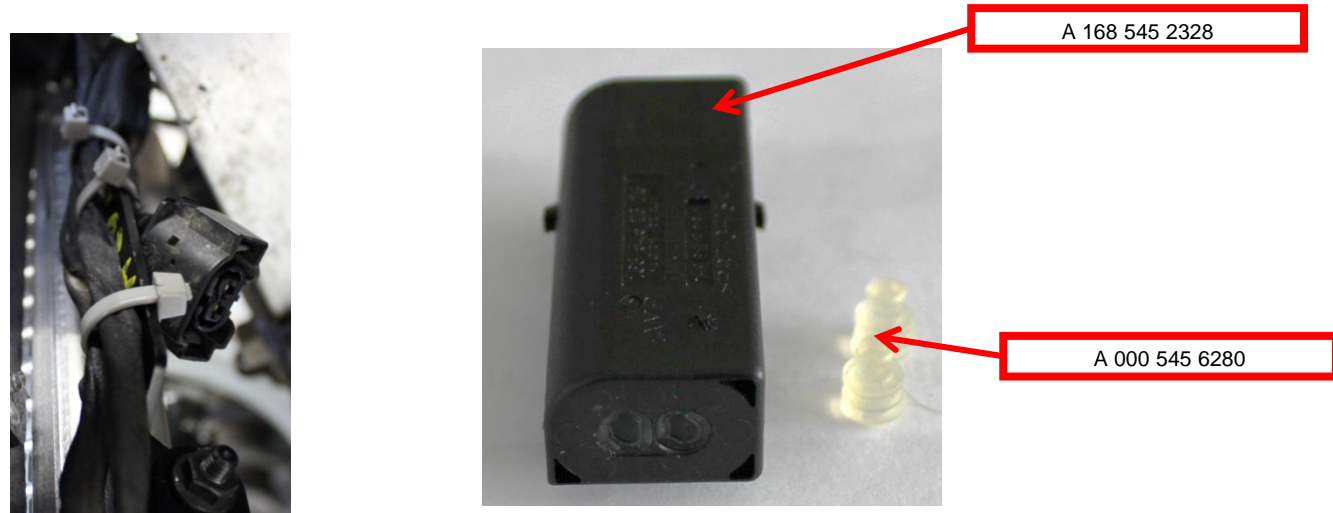
2.7 Mount prepared wheel arch cooler



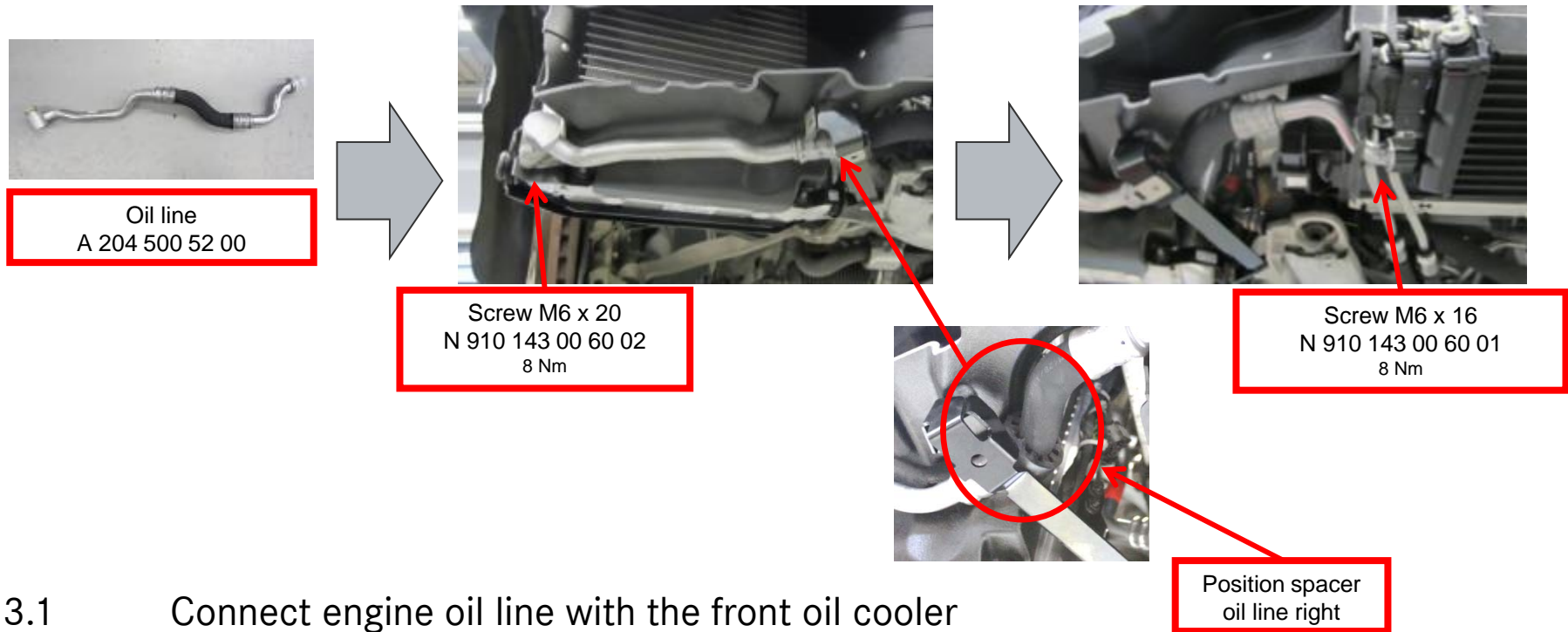
2.8 Mount the Strut after installation of wheel arch cooler and fix the fan cable on the strut



2.9 Seal plug with seals and stuck on old plug of the wheel arch cooler fan



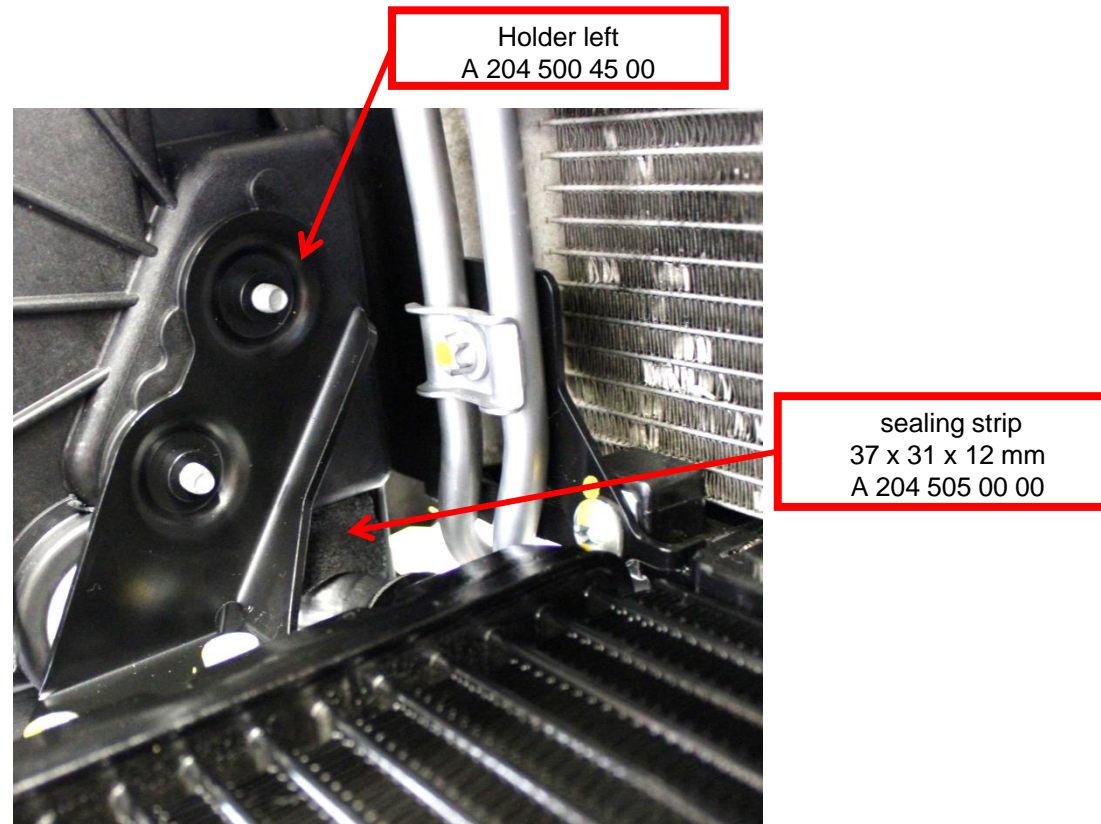
3.0 Connect the oil line with the front oil cooler with the wheel arch cooler



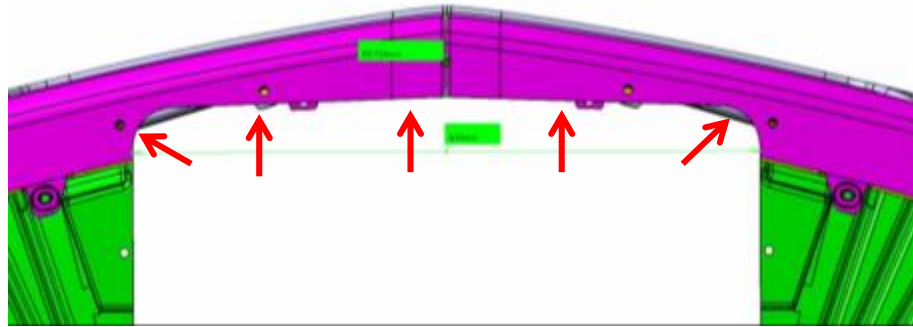
3.1 Connect engine oil line with the front oil cooler



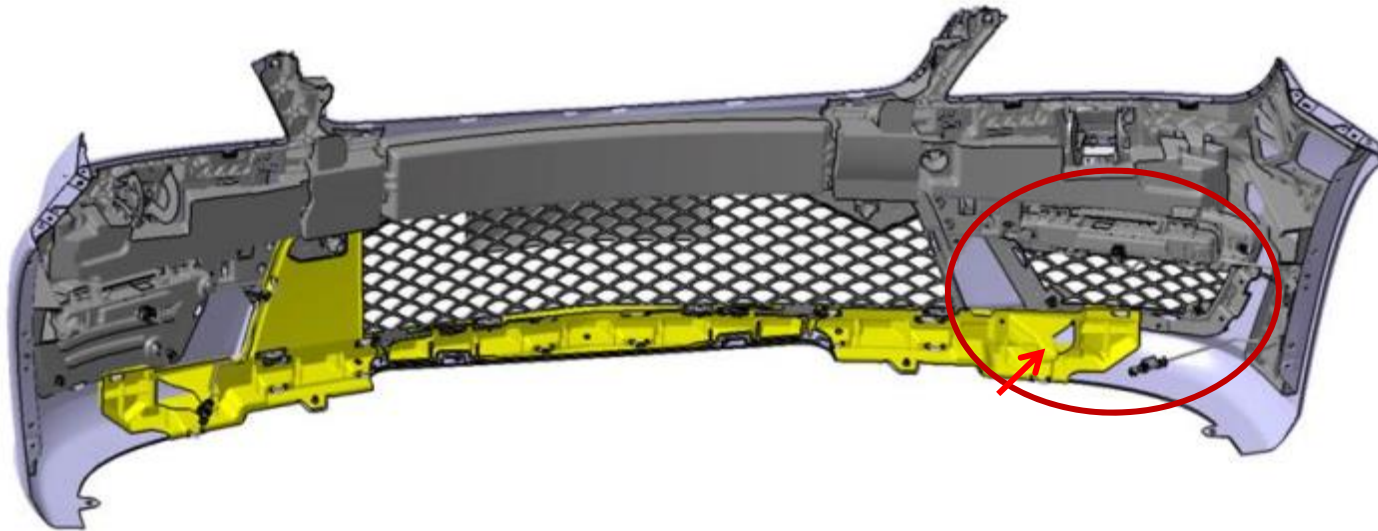
3.2 Seal the opening in Holder left with the sealing strip, left and right side



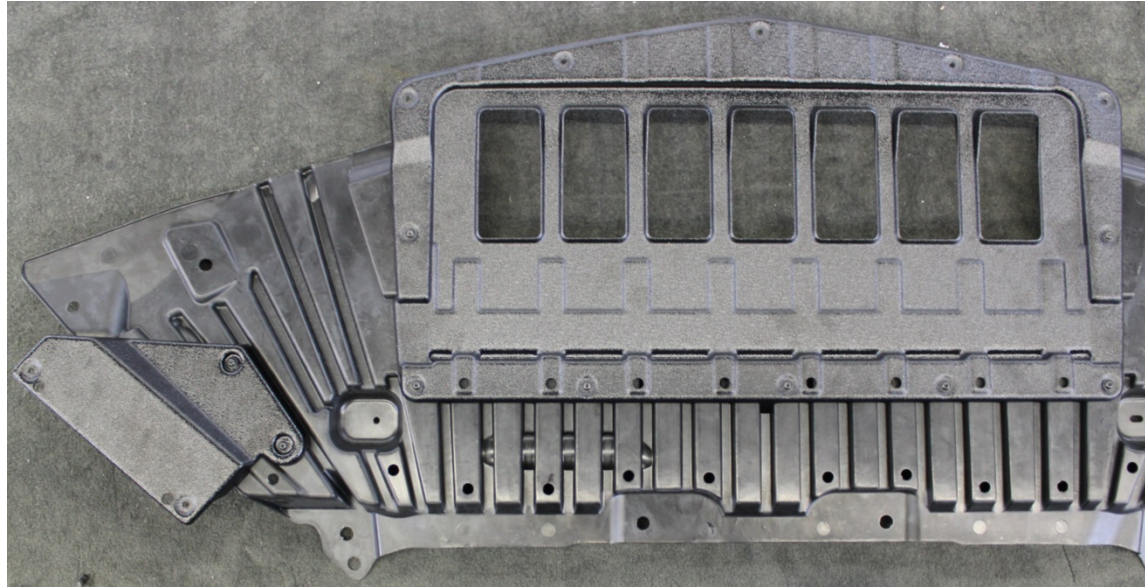
3.3 Cut bumper like A 204 885 05 00 + 2 mm



3.4 Mount the front bumper cover, cut the strut on the right 6 mm and remove the old air guide from the bumper



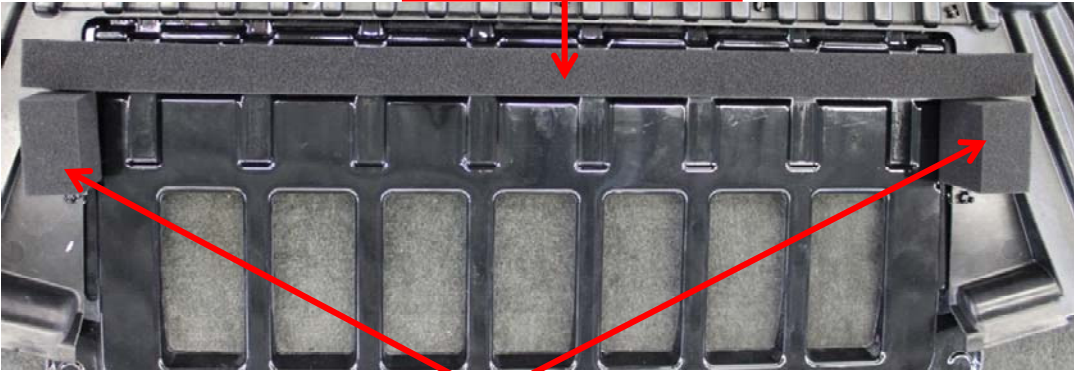
3.5 Assembly the botoom cover with screws and clip nuts



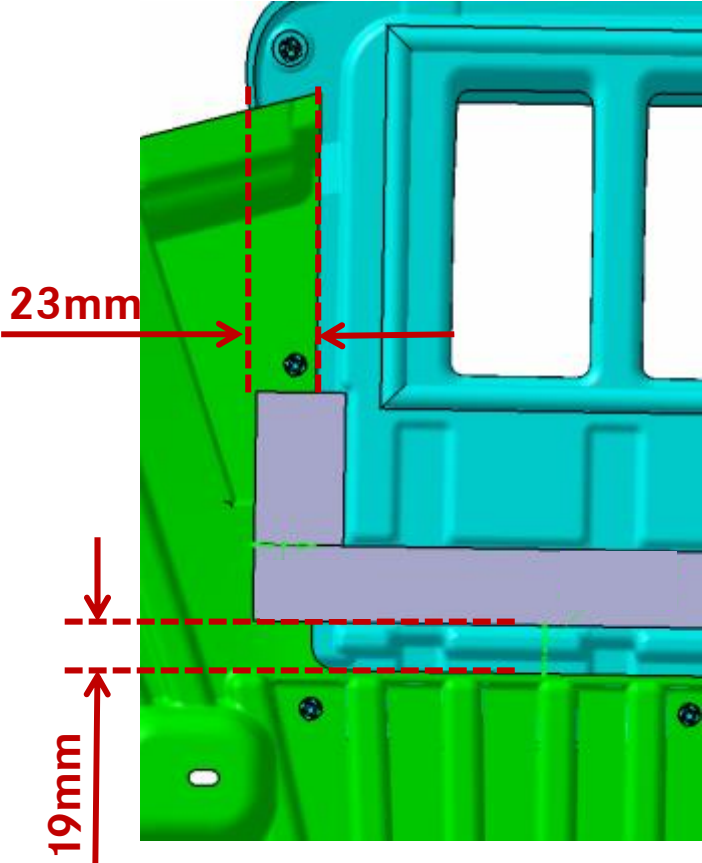
3.6 Fix the three parts of the sealing strip

IMPORTANT: The adhesive surface must be completely free of grease and fixing the sealing strip!

Sealing strip
30 x 40 x 669 mm
A 204 505 00 00



2 sealing strip
60 x 35 x 60 mm
A 204 505 00 00



3.7 Mount the right wheel arch panel



Wheel arch panel
A 204 880 07 00

3.8 Mount new bottom cover

drill the three wholes on the parts
below with an 8 mm drill



refill oil, check of leakage and do a testdrive