

BENZ S-CLASS

~09y
(W221)

WALD SPORTS LINE
BLACK BISON EDITION

INSTALLATION MANUAL
WALD
Sportliche Autoausrüstung WALD.International

THANK YOU FOR PURCHASING. THIS IS THE INSTALLATION MANUAL OF WALD FRONT BUMPER FOR MERCEDES-BENZ W221 S-CLASS.
PLEASE READ THIS MANUAL CAREFULLY BEFORE THE INSTALLATION.

ATTENTION



- ※ NO RETURNS CAN BE ACCEPTED BECAUSE OF IMPROPER INSTALLATION OR PAINTING.
- ※ CHECK THE FITMENT, AND ADJUST ALL THE DETAILS BEFORE PAINTING.
- We assume no responsibility for any damage resulting from improper installation, painting, modification and any cut wound in unsealing.
- Contact the car dealer when you have any question in removing OEM parts.
- During all the installation process, use parking brake and stop the engine completely.
- Use rasps or sandpapers to fit the products to the body if there is an individual difference.
- The product is made of FRP. Handle with care. Do not give the excessive force.
- Gradually fix the bolts and nuts by checking the fitment and balance of the installation.
- Check the fitment, and adjust all the details of the fitment steady and proper.
- Please check the fitment and all the details regularly, fix the bolts and nuts as necessary.
- The instruction of painting is just our recommendation, please paint it as you like.
- ※ PLEASE BE AWARE OF:
- You may lose the warranty and all the services from the car maker, because of replacing OEM parts.
- Reduced road clearance may cause inconvenience in using parking curbs and garage jack.
- FRP, ABS and PPE products are slightly weaker than OEM parts in crashes.
- The product may not match the body and OEM color perfectly.

Please purchase double sided tape, primer and caulking glue at auto accessory shop or hardware store.

Completely degrease and paint primer on all the installation positions to enhance the viscosity of double sided tape.

Use dryer to warm double sided tape to enhance the viscosity in low temperature.

Keep the car in a dry condition more than

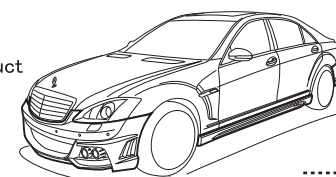
24 hours after gluing.

Do not wash the car during this time.

	PARTS	QUANTITIES
FRONT BUMPER	FRONT BUMPER	1
	MESH	1
FOG LAMP ADAPTER	FOG LAMP ADAPTERS	1 SET
	FOG LAMPS	2 SETS
	TAPPING SCREWS (M5)	8
	U-TYPE NUTS	8
	BOLTS & NUTS	8 SETS



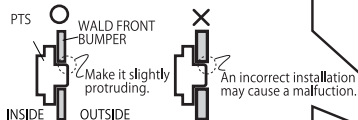
Use caulking glue to fill the gap between the product and the body.



FRONT BUMPER

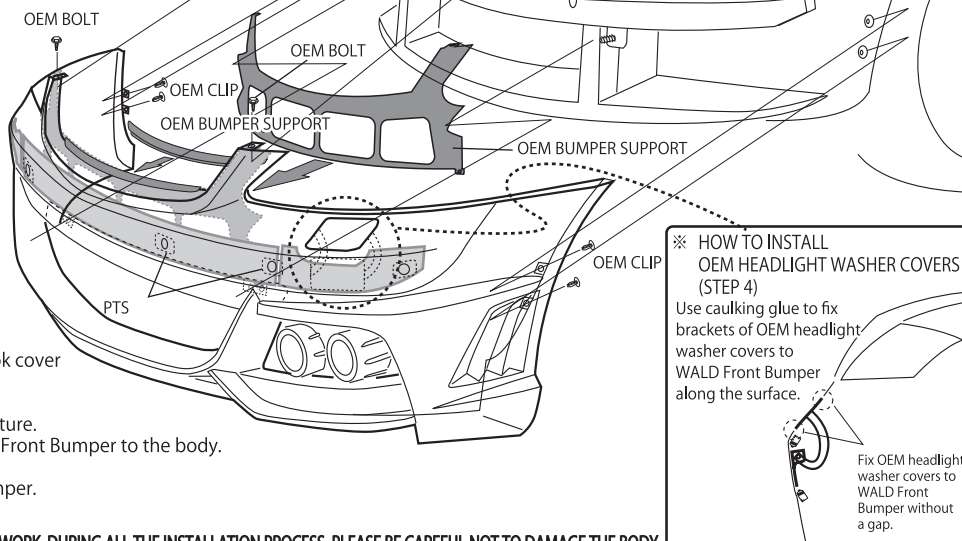
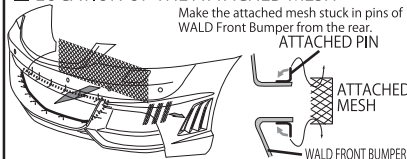
■ HOW TO INSTALL PTS (STEP 4)

- ※ Remove PTS and use caulking glue to fix them to WALD Front Bumper from the rear.
- An incorrect installation of PTS may cause a malfunction.
- Adjust the projections of PTS by processing WALD Front Bumper from the rear according to the picture.



■ LOCATION OF THE ATTACHED MESH

Make the attached mesh stuck in pins of WALD Front Bumper from the rear.



※ HOW TO INSTALL OEM HEADLIGHT WASHER COVERS (STEP 4)

Use caulking glue to fix brackets of OEM headlight washer covers to WALD Front Bumper along the surface.

Fix OEM headlight washer covers to WALD Front Bumper without a gap.

【BEFORE PAINTING】

- 1) Remove OEM front bumper according to the Mercedes-Benz service manual.
 - 2) Relocate OEM bumper support and brackets to WALD Front Bumper.
 - 3) Temporarily install WALD Front Bumper to the body.
- ※ Adjust the details of WALD Front Bumper to fit the body by rasps or sandpapers.

【AFTER PAINTING】

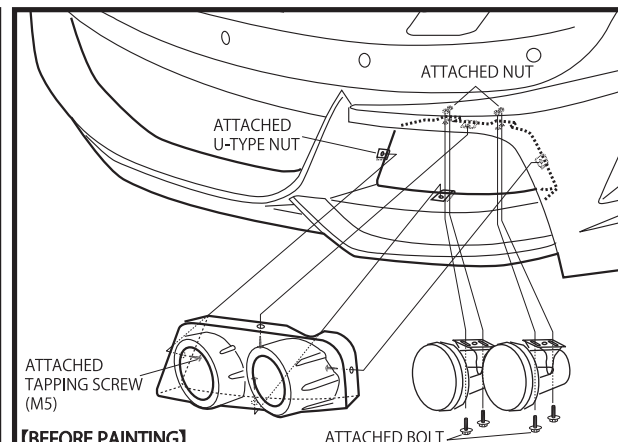
- 4) Relocate OEM ambient temperature sensor, PTS, tow hook cover and headlight washer covers to WALD Front Bumper.
- ※ Use caulking glue to fix them to WALD Front Bumper.
- Adjust the projections of installation according to the picture.
- 5) Temporarily tighten OEM bolts and clips to install WALD Front Bumper to the body.
- 6) Check all the details of the fitment, then fix them.
- 7) Process OEM license plate bracket to fit WALD Front Bumper.

ATTENTION



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- ※ DEGREASE ALL THE INSTALLATION POSITIONS, AND REMOVE THE BODY PROTECTION COATING BEFORE THE INSTALLATION.

FOG LAMP ADAPTER



【BEFORE PAINTING】

- 1) Temporarily fix the fog lamps to the fog lamp adapters from the rear.
- ※ Adjust the fog lamp adapters if the attached bolts obstruct the installation of fog lamps.
- 2) Check all the details of the fitment according to the picture.

【AFTER PAINTING】

- 3) Temporarily install the fog lamp adapters to WALD Front Bumper.
- 4) Check all the details of the fitment and optical axis, then use the attached tapping screws, U-type nuts, bolts and nuts to fix the fog lamps to the fog lamp adapters.
- 5) Use relay harness with remote controller kit to turn on the LED rings and fog lamps separately.

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- ※ DURING ALL THE INSTALLATION PROCESS, PLEASE BE CAREFUL NOT TO DAMAGE THE BODY.
- ※ MAKE SURE THE FOG LAMPS ARE FINE TO WORK BEFORE THE INSTALLATION.

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THANK YOU FOR PURCHASING. THIS IS THE INSTALLATION MANUAL OF WALD SIDE STEPS FOR MERCEDES-BENZ W221 S-CLASS.
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- Contact the car dealer when you have any question in removing OEM parts.
- During all the installation process, use parking brake and stop the engine completely.
- Use rasps or sandpapers to fit the products to the body if there is an individual difference.
- The product is made of FRP. Handle with care. Do not give the excessive force.
- Gradually fix the bolts and nuts by checking the fitment and balance of the installation.
- Check the fitment, and adjust all the details of the fitment steady and proper.
- Please check the fitment and all the details regularly, fix the bolts and nuts as necessary.
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- You may lose the warranty and all the services from the car maker, because of replacing OEM parts.
- Reduced road clearance may cause inconvenience in using parking curbs and garage jack.
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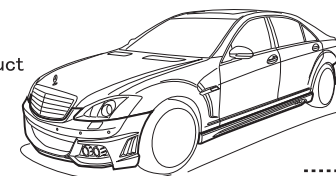
Please purchase double sided tape, primer and caulking glue at auto accessory shop or hardware store.

Completely degrease and paint primer on all the installation positions to enhance the viscosity of double sided tape.
Use dryer to warm double sided tape to enhance the viscosity in low temperature.
Keep the car in a dry condition more than 24 hours after gluing.
Do not wash the car during this time.

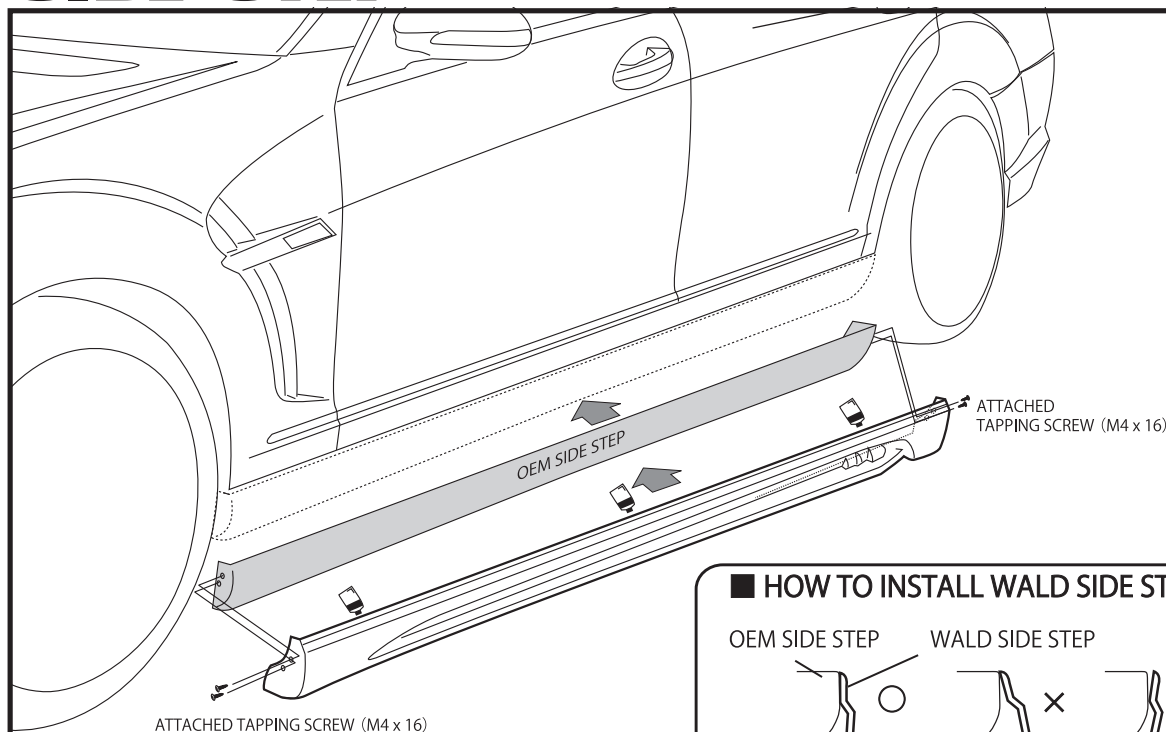
	PARTS	QUANTITIES
SIDE STEP	SIDE STEPS	1 SET
	TAPPING SCREWS (M4 x 16)	8



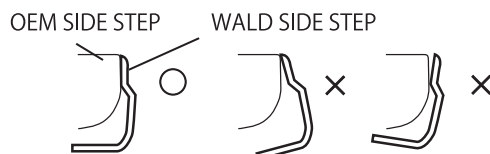
Use caulking glue to fill the gap between the product and the body.



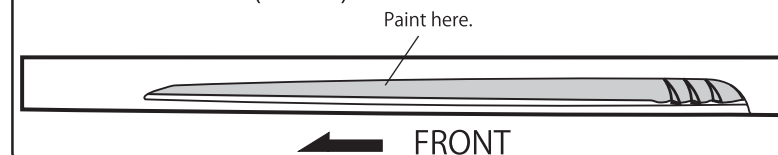
SIDE STEP



■ HOW TO INSTALL WALD SIDE STEPS



■ HOW TO PAINT (STEP 6)



【BEFORE PAINTING】

- 1) Remove rear doors and OEM side steps according to the Mercedes-Benz service manual.
- 2) Temporarily put WALD Side Steps on OEM side steps parallel.
- 3) Check all the details of the fitment.
- ※ Adjust the details of the fitment by rasps or sandpapers.
- 4) Mark the installation positions on both ends of OEM side steps according to the holes of WALD Side Steps.
- 5) Remove WALD Side Steps, then make holes on OEM side steps according to the installation positions to insert the attached tapping screws.
- 6) Paint WALD Side Steps according to the picture.

【AFTER PAINTING】

- 7) Temporarily tighten the attached tapping screws to install WALD Side Steps to the body.
- 8) Use caulking glue to fix WALD Side Steps to OEM side steps.
- 9) Check all the details of the fitment, leave them till completely fixed.
- 10) Fix the attached tapping screws.

ATTENTION



- ※ MORE THAN 2 TECHNICIANS ARE NECESSARY IN THIS WORK.
- ※ DURING ALL THE INSTALLATION PROCESS, PLEASE BE CAREFUL NOT TO DAMAGE THE BODY.
- ※ MARK THE INSTALLATION POSITIONS BY CHECKING THE FITMENT AND USE DRILL TO MAKE HOLES.
- ※ DEGREASE ALL THE INSTALLATION POSITIONS, AND REMOVE THE BODY PROTECTION COATING BEFORE THE INSTALLATION.

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THANK YOU FOR PURCHASING. THIS IS THE INSTALLATION MANUAL OF WALD REAR BUMPER FOR MERCEDES-BENZ W221 S-CLASS.
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- During all the installation process, use parking brake and stop the engine completely.
- Use rasps or sandpapers to fit the products to the body if there is an individual difference.
- The product is made of FRP. Handle with care. Do not give the excessive force. Gradually fix the bolts and nuts by checking the fitment and balance of the installation.
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Use dryer to warm double sided tape to enhance the viscosity in low temperature.

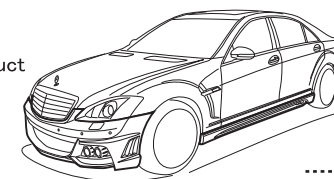
Keep the car in a dry condition more than 24 hours after gluing.

Do not wash the car during this time.

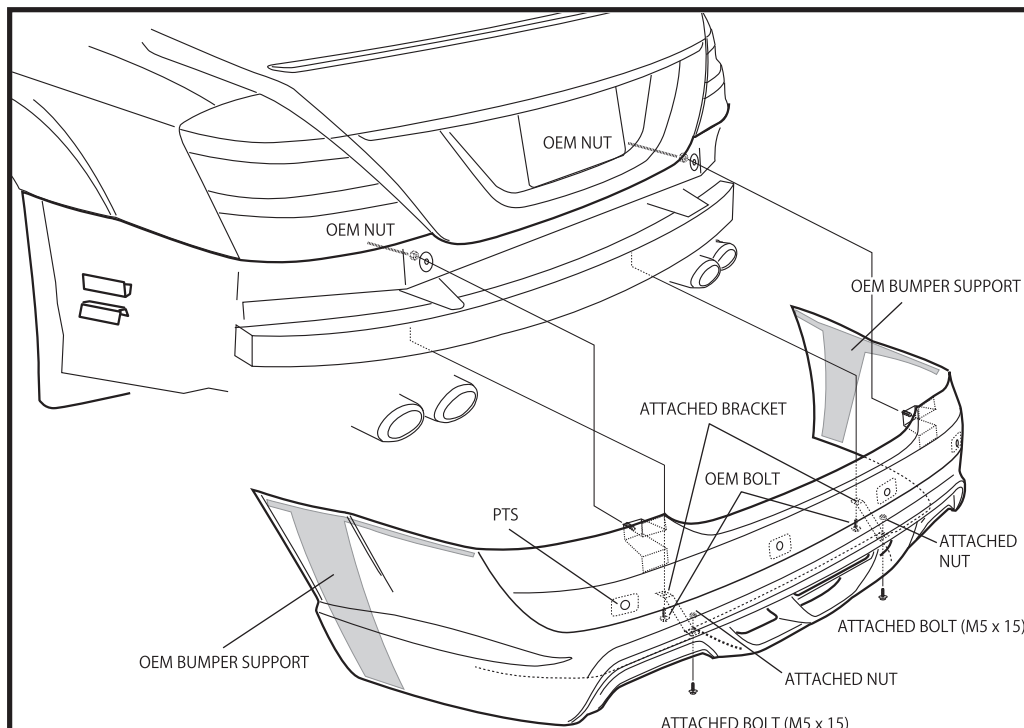
	PARTS	QUANTITIES
REAR BUMPER	REAR BUMPER	1
	BRACKETS	2
	NUTS (M4)	2
	BOLTS (M5 x 15) & NUTS	2 SETS
	LED LAMP	1
	MESH	1



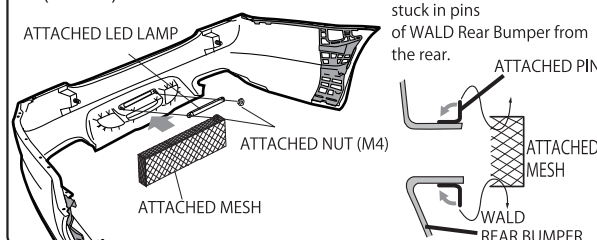
Use caulking glue to fill the gap between the product and the body.



REAR BUMPER



■ HOW TO INSTALL THE ATTACHED LED LAMP AND MESH (STEP 5)



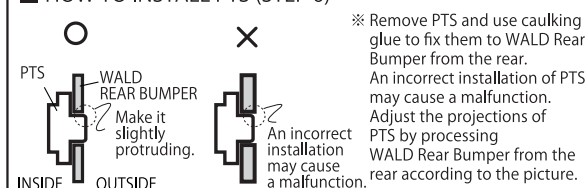
【BEFORE PAINTING】

- 1) Remove OEM rear bumper according to the Mercedes-Benz service manual.
- 2) Remove OEM bumper support and PTS.
- 3) Relocate OEM bumper support to WALD Rear Bumper.
- 4) Adjust the details of WALD Rear Bumper to fit the body by rasps or sandpapers.

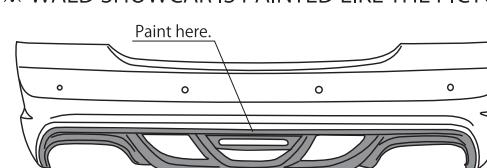
【AFTER PAINTING】

- 5) Install the attached mesh and LED lamp to WALD Rear Bumper.
- 6) Use caulking glue to install PTS to WALD Rear Bumper from the rear. Adjust the projections of PTS according to the picture.
- 7) Temporarily tighten all the brackets, bolts, nuts to install WALD Rear Bumper to the body.
- 8) Check all the details of the fitment, then fix them.

■ HOW TO INSTALL PTS (STEP 6)



※ WALD SHOWCAR IS PAINTED LIKE THE PICTURE



ATTENTION

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BENZ S-CLASS

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INSTALLATION MANUAL
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THANK YOU FOR PURCHASING. THIS IS THE INSTALLATION MANUAL OF WALD ROOF SPOILER AND TRUNK SPOILER FOR MERCEDES-BENZ W221 S-CLASS.
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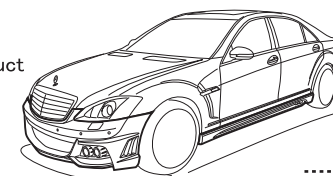
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Completely degrease and paint primer on all the installation positions to enhance the viscosity of double sided tape.
Use dryer to warm double sided tape to enhance the viscosity in low temperature.
Keep the car in a dry condition more than 24 hours after gluing.
Do not wash the car during this time.

	PARTS	QUANTITIES
ROOF SPOILER	ROOF SPOILER	1
TRUNK SPOILER	TRUNK SPOILER	1



Use caulking glue to fill the gap between the product and the body.



ROOF SPOILER

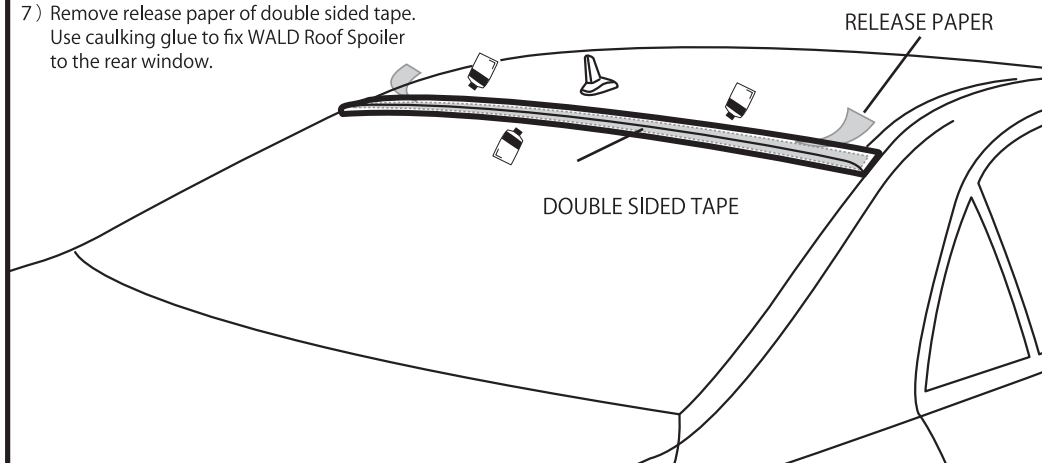
[BEFORE PAINTING]

- 1) Temporarily put WALD Roof Spoiler on the rear window.
- 2) Check the fitment, then use masking tape to mark the installation position.

[AFTER PAINTING]

- 3) Put double sided tape on WALD Roof Spoiler.
- 4) Fold the end of release paper of double sided tape.
- 5) Temporarily put WALD Roof Spoiler on the rear window.
- 6) Check all the details of the fitment.
- 7) Remove release paper of double sided tape.

Use caulking glue to fix WALD Roof Spoiler to the rear window.



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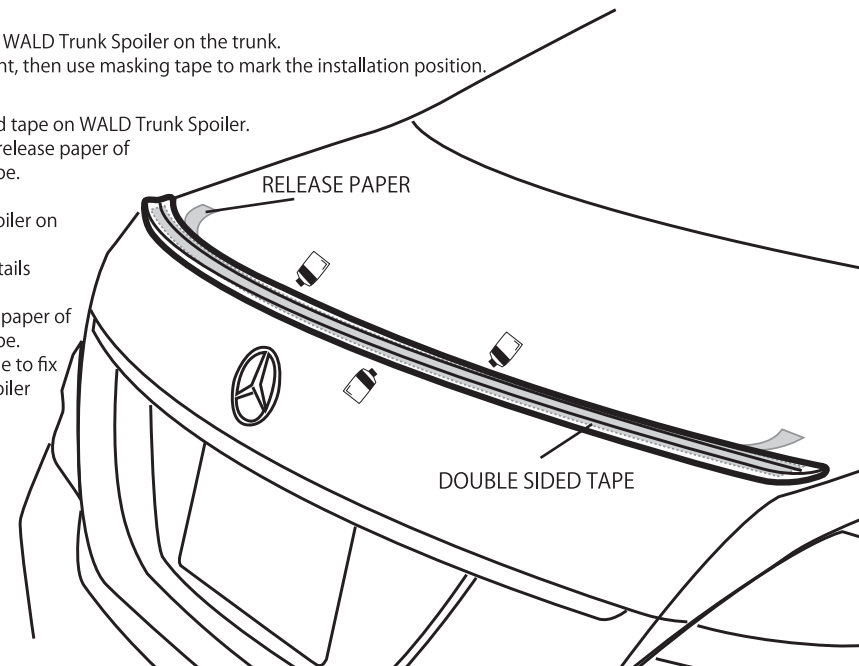
TRUNK SPOILER

[BEFORE PAINTING]

- 1) Temporarily put WALD Trunk Spoiler on the trunk.
- 2) Check the fitment, then use masking tape to mark the installation position.

[AFTER PAINTING]

- 3) Put double sided tape on WALD Trunk Spoiler.
 - 4) Fold the end of release paper of double sided tape.
 - 5) Temporarily put WALD Trunk Spoiler on the trunk.
 - 6) Check all the details of the fitment.
 - 7) Remove release paper of double sided tape.
- Use caulking glue to fix WALD Trunk Spoiler to the trunk.



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WALD INTERNATIONAL

WALD INTERNATIONAL

ADD: 10-13 KYOGUCHI-CHO, TAKATSUKI, OSAKA, JAPAN

ZIP: 569-0072 TEL: (81)-72-673-3000 FAX: (81)-72-673-3003

BENZ S-CLASS

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INSTALLATION MANUAL
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THANK YOU FOR PURCHASING. THIS IS THE INSTALLATION MANUAL OF LED NIGHT SYSTEM INSERT ADAPTERS FOR MERCEDES-BENZ W221 S-CLASS.
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Keep the car in a dry condition more than

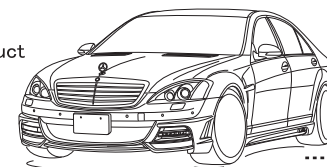
24 hours after gluing.

Do not wash the car during this time.

	PARTS	QUANTITIES
LED NIGHT SYSTEM INSERT ADAPTER	LED LAMPS (LIGHT REDUCTION)	1 SET
	INSERT ADAPTERS	1 SET
	MESHES	1 SET
	RESISTORS (25W, 10Ω)	2



Use caulking glue to fill the gap between the product and the body.



LED NIGHT SYSTEM INSERT ADAPTER

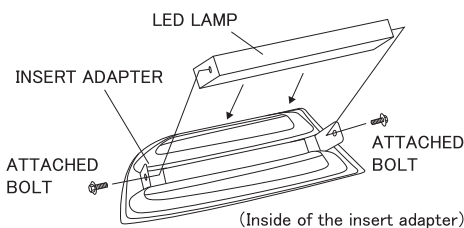
[BEFORE PAINTING]

- 1) Cut WALD Front Bumper according to the cutting line of ducts.
- ※ Process WALD Front Bumper according to the picture to replace from the dual fog lamps.
- 2) Fix the LED lamps to the insert adapters, then temporarily install them to WALD Front Bumper.
- ※ Adjust the details of WALD Front Bumper to fit the LED lamps by rasps or sandpapers.
- 3) Remove the insert adapters.
Prepare to connect them to the harness of the LED lamps with the attached resistors.
- ※ Make sure the LED lamps are fine to work before the installation.
Insulate any spare harness.
- 4) Paint the insert adapters according to the picture.

[AFTER PAINTING]

- 5) Use caulking glue to install the meshes to the insert adapters from the rear.
- 6) Fix the LED lamps to the insert adapters.
Check the fitment, then use caulking glue to install them to WALD Front Bumper from the rear.
- 7) Leave them till completely fixed.
- 8) Connect the harness of the LED lamps, then install WALD Front Bumper to the body.

■ HOW TO INSTALL THE LED LAMPS (STEP 2)



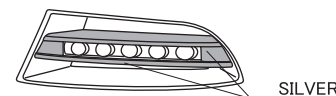
■ HOW TO INSTALL THE ATTACHED RESISTORS (STEP 3)

Connect the attached resistors to the harness of OEM fog lamps when the warning lamp is on.



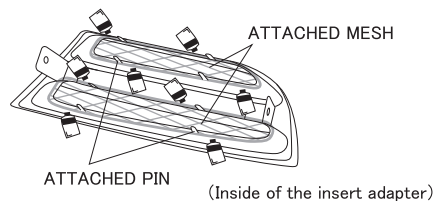
- ※ Install the attached resistors away from the harness to prevent the heat of the attached resistors.

※ WALD SHOWCAR IS PAINTED LIKE THE PICTURE (STEP 4)



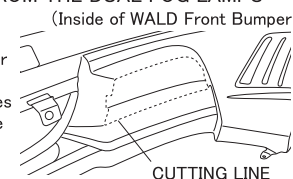
■ HOW TO INSTALL THE MESHES (STEP 5)

Use pins and caulking glue to install the meshes to the insert adapters from the rear.



■ HOW TO REPLACE FROM THE DUAL FOG LAMPS (STEP 1)

Process WALD Front Bumper according to the picture, in case to remove the meshes and LED lamps for the future maintenance.

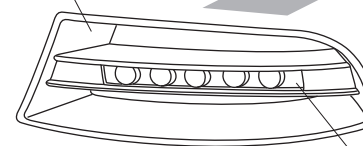


ATTENTION



- ※ DEGREASE ALL THE INSTALLATION POSITIONS, AND REMOVE THE BODY PROTECTION COATING BEFORE THE INSTALLATION.
- ※ REMOVE THE BATTERY BEFORE ALL THE WIRING WORKS.
- ※ MAKE SURE THE LED LAMPS ARE FINE TO WORK BEFORE THE INSTALLATION.

INSERT ADAPTER



LED LAMP

WALD FRONT BUMPER