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## Parking Sensor Installation Technical Sheet

Dedicated system for LAMBORGHINI cars.

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Part number **900000358**

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To achieve precise installation, we recommend the use of the tool kit

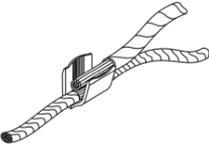
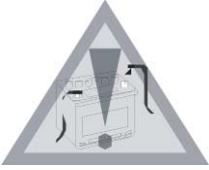
Part number **900000359**

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The technical information included in the following manual must be considered strictly approximate and the manufacturing company will not be held liable in relation to said information. The technical staff appointed to installation is required to check, with due diligence and under their own responsibility, the information provided herein based on the type of vehicle (ex. specific connection points for the model).

# INSTALLATION REGULATIONS



- Before performing any operation, disconnect the negative pole on the battery.
- The electronic control units of the kits must be installed exclusively inside the car cabin.
- To attach them we recommend using velcro or straps, avoid drilling holes in the sheet metal on the car.
- For position and connections it is good practice to refer to the instructions.
- To avoid vibrations, we recommend wrapping the system cables with fabric tape.
- Strictly avoid quick electrical couplings.
- To set up connections to the vehicle's system, crimp the wire using splices and insulate the joint with insulating tape.

## SYSTEM PROGRAMMING

Before installing the system, it will be necessary to configure the parking sensor kit modules correctly. Using the programmer included in tool kit 90000359 and referring to the relative programming manual, set the parameters as illustrated in the images below. The number beside the description identifies the function requiring programming.

### Front Parking Sensor Control Unit

Product: ACTIVE PARK PLUS 2009. ( Id: 037, ver. 2, subver. 71 )

01 - Configurazione sistema	Front	
02 - Sensibilita' sistema (min 0 - max 9)	5	Sensibilita'
03 - Offset canale A (min 20 - max 90)	35	Offset
04 - Offset canale B (min 20 - max 90)	35	Offset
05 - Offset canale C (min 20 - max 90)	35	Offset
06 - Offset canale D (min 20 - max 90)	35	Offset
12 - Distanza A - FRONT	50	
13 - Distanza B - FRONT	100	
14 - Distanza C - FRONT	100	
15 - Distanza D - FRONT	50	
42 - Odometro	Abilitato	
43 - On/Off da odometro	Abilitato	
44 - Velocita' on/off	10	Velocita'

### Rear Parking Sensor Control Unit

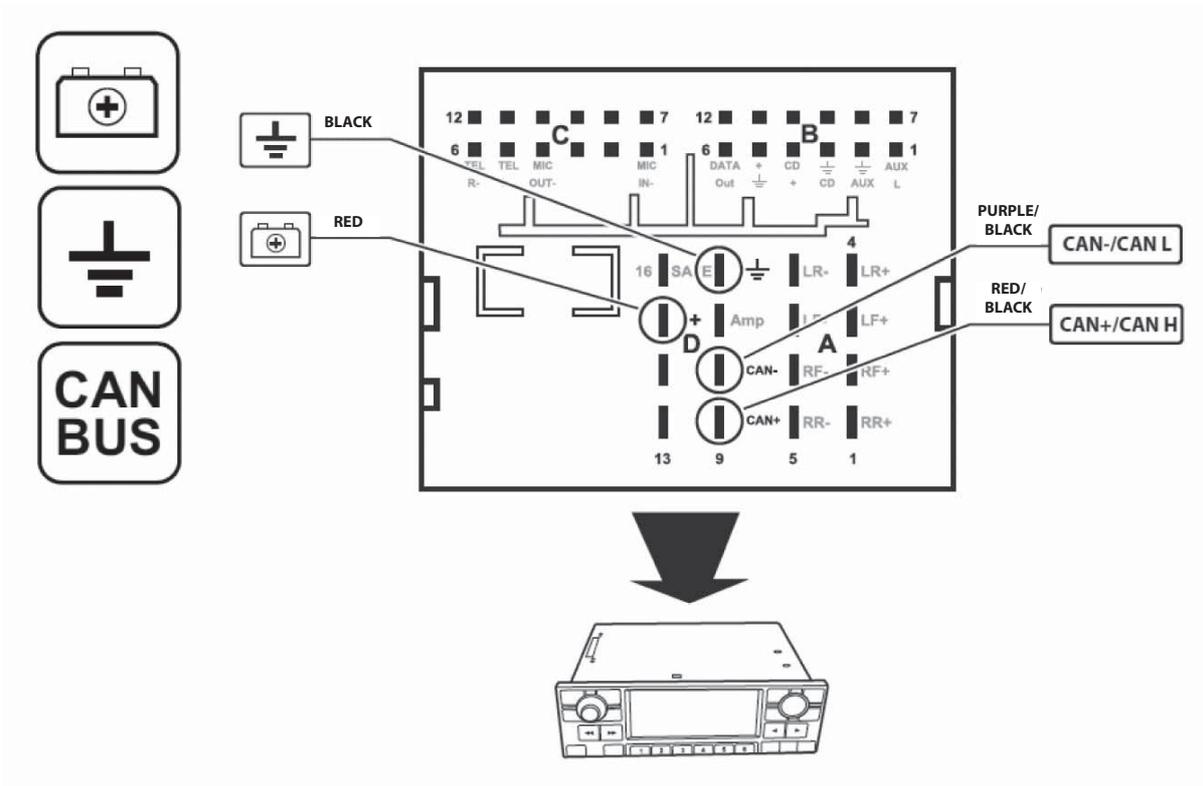
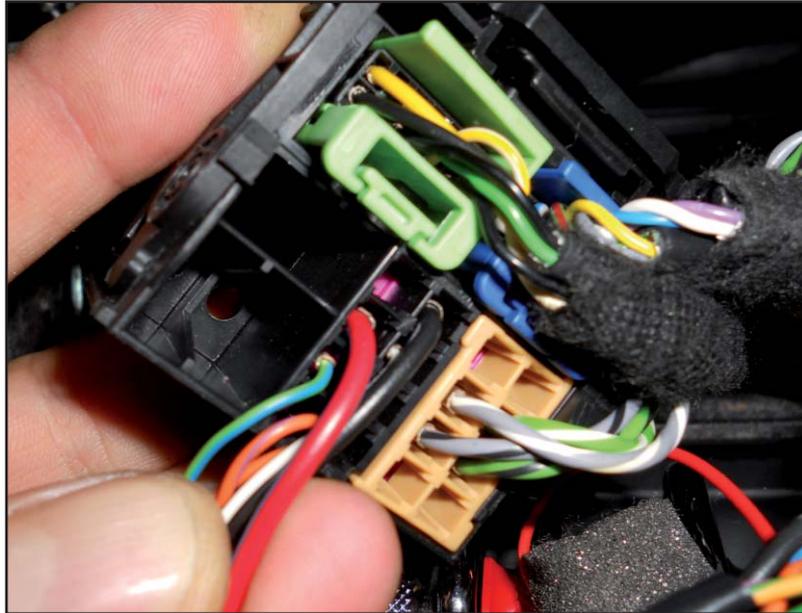
Product: ACTIVE PARK PLUS 2009. ( Id: 037, ver. 2, subver. 71 )

01 - Configurazione sistema	Rear	
02 - Sensibilita' sistema (min 0 - max 9)	5	Sensibilita'
03 - Offset canale A (min 20 - max 90)	30	Offset
04 - Offset canale B (min 20 - max 90)	30	Offset
05 - Offset canale C (min 20 - max 90)	30	Offset
06 - Offset canale D (min 20 - max 90)	30	Offset
16 - Distanza A - REAR	80	
17 - Distanza B - REAR	110	
18 - Distanza C - REAR	110	
19 - Distanza D - REAR	80	

Before disconnecting the module, press the READ key and make sure the settings are correct. The CAN BUS module must not be programmed.

# ELECTRICAL CONNECTIONS

The required electrical connections described in the general installation manual must be set up on the 40-pole QUADLOCK connector installed behind the stereo.



## CAPSULE INSTALLATION POINTS

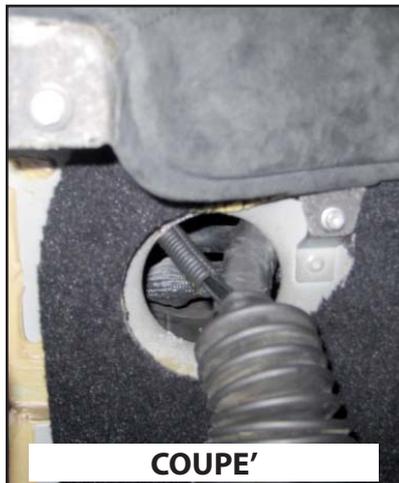
Using the dedicated templates, mark the distances on the rear and front bumpers.



## REAR CABLE GLAND

Using the supplied corrugated cable duct and silicone sheath, follow the existing route for the light cables to reach the cabin.

**NOTE:** The templates provided at the end of the manual must be printed out making sure they are the correct size.



## TAKING DOWN THE REAR BUMPER

Proceed with taking down the rear bumper by following the instructions provided in procedure **LB715 08 07 03**.



Also remove the black plastic support.

## REAR CAPSULE INSTALLATION

We recommend preventively drilling a centring hole of 2.5mm Ø.

Then, with a suitable 19 mm mill (included in the tool kit for Category **900000359**) drill a hole in the bumper from the outside in.

For this installation use capsule supports **without locking rings "O"** (see General installation manual).

The sensors must be painted beforehand, in the same colour as the car.



Near the sensors measurement, drill a hole in the rear plastic support using a 35 mm mill.



## REAR SENSOR CABLING

Wrap the cables with the heat-resistant sheath, cat. 470 827 222, and secure the cabling to the crosspiece on the car.



## REAR BUMPER RE-ASSEMBLY

Proceed with re-assembling the rear bumper by following the instructions provided in procedure **LB715 08 07 03**.



## FRONT CABLE GLAND

Using the supplied corrugated cable duct, follow the existing cable route to reach the cabin.

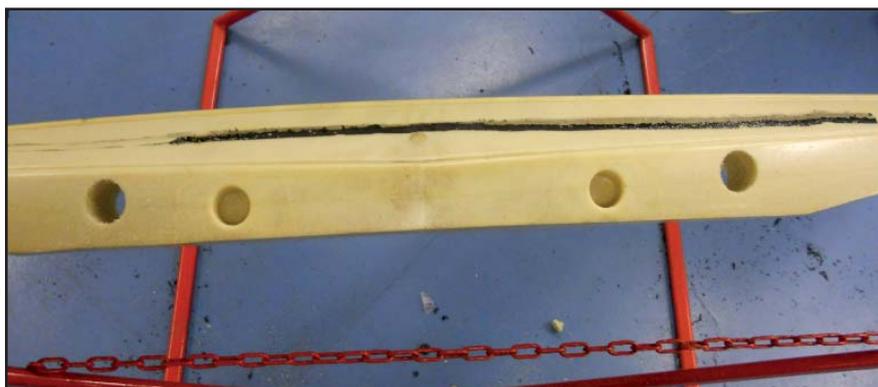


## TAKING DOWN THE FRONT BUMPER

Proceed with taking down the front bumper by following the instructions provided in procedure **LB715 08 07 03**.



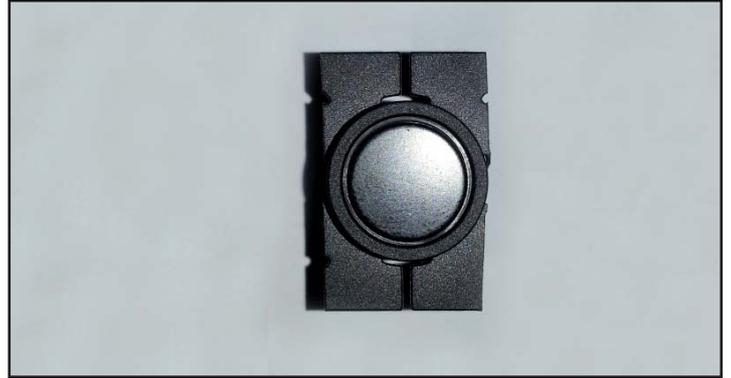
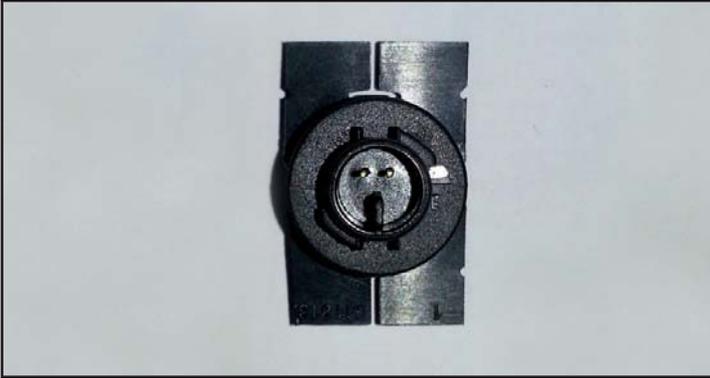
Also take down the polyurethane vibration-damper support.



Near the sensors measurement, drill a hole in the vibration-damper support using a 35 mm mill.

## FRONT CAPSULE INSTALLATION

**NOTE:** prior to installation it is necessary to remove the sensor's support tabs as illustrated below.



We recommend preventively drilling a centring hole of 2.5mm Ø.

Then, with a suitable 19 mm mill (included in the tool kit for Category **900000359**) drill a hole in the bumper from the outside in.

For this installation use capsule supports **without locking rings "O"** (see General Installation manual).

The sensors must be painted beforehand, in the same colour as the car.



## FRONT SENSOR CABLING

Attach the cables to the crosspiece on the car.



## FRONT BUMPER RE-ASSEMBLY

Proceed with re-assembling the front bumper by following the instructions provided in procedure **LB715 08 07 03**.



## POSITIONING THE PARTS

The rear management control unit must be set up in the module compartment behind the backrest on the passenger's side.



The front management control unit and the CAN BUS utility module must be set up over the GFA control unit located under the glove compartment, on the passenger's side.

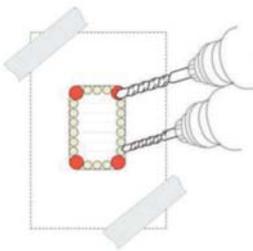


# BUTTON INSTALLATION

The front on/off button must be set up inside the plastic cover on the ceiling of the car, near the rear-view mirror.

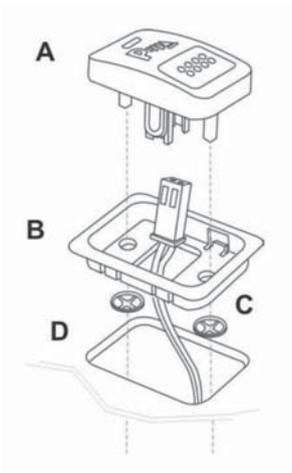


Cut the template out being careful to use a ruler with millimetre scale to make sure it has printed out with zoom at 100%.

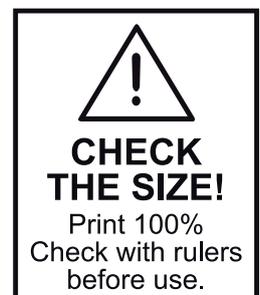
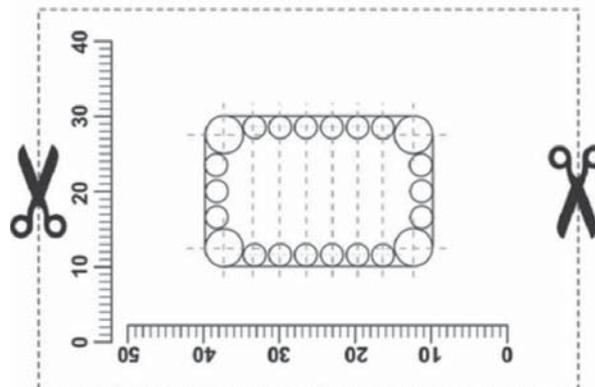


Attach the paper template with masking tape and, as described, use a 5 mm bit to drill the four corners and a 3 mm bit to drill the sides. Use cutters to remove the part inside the rectangle and then use a file to smooth down the edges of the newly cut rectangle.

Place button **support B** in hole **D** being careful that the four retaining hooks lock it onto the hole.

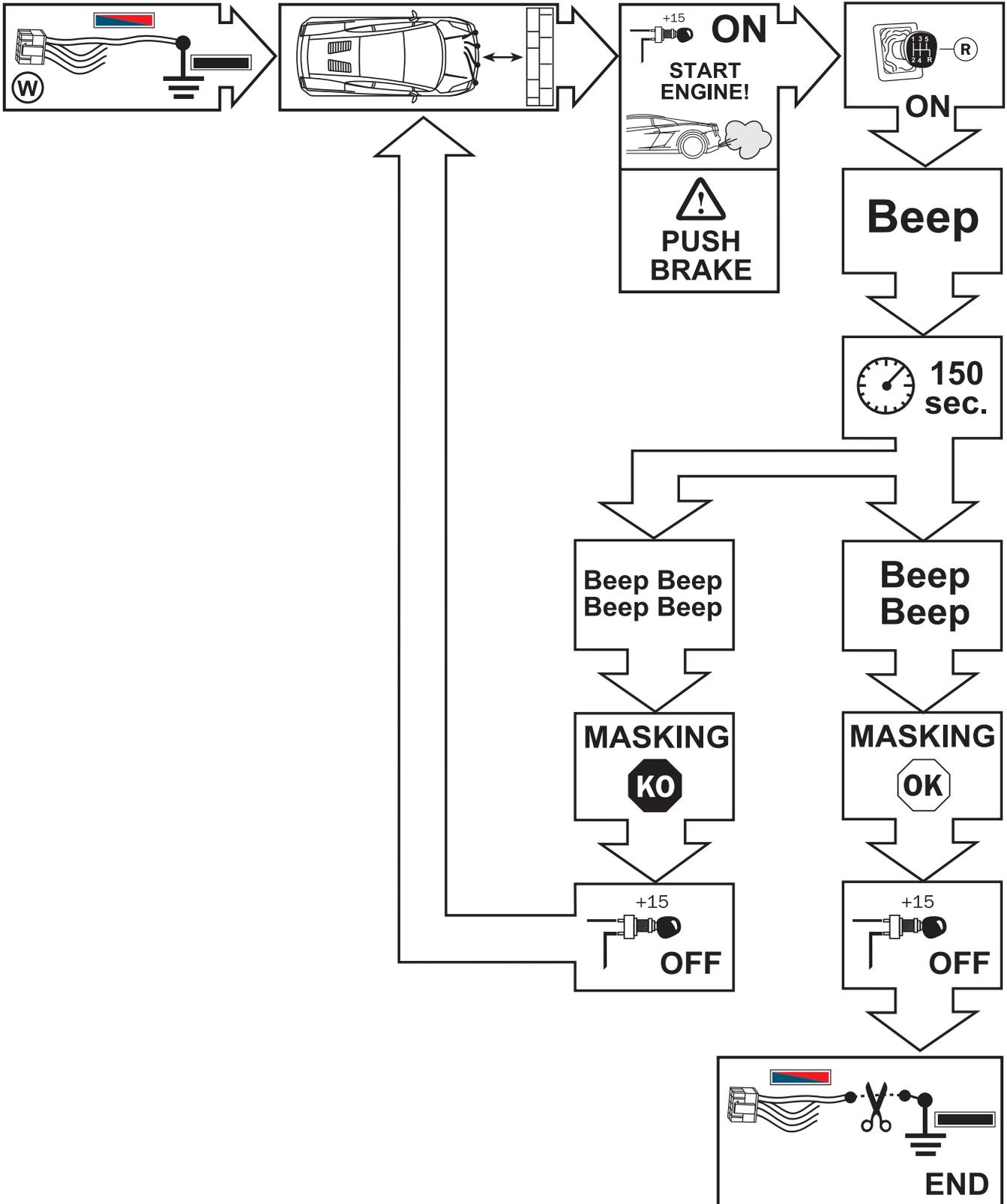


Place button **A** in the support, securing it by the two clip fasteners **C**. Connect the 2-pin connector of the wire to the button.



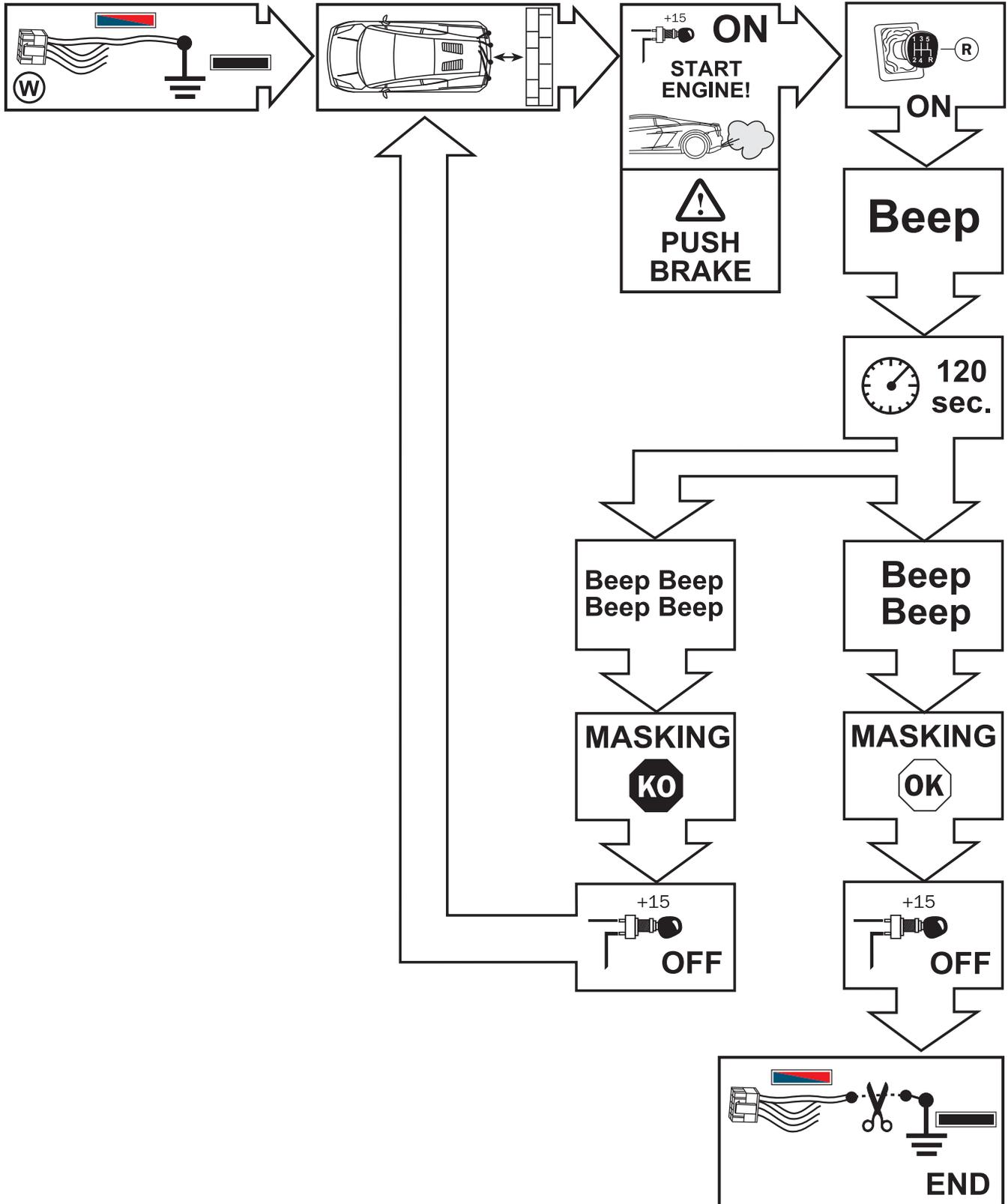
# FRONT MASKING

Mask the front system with the engine running.

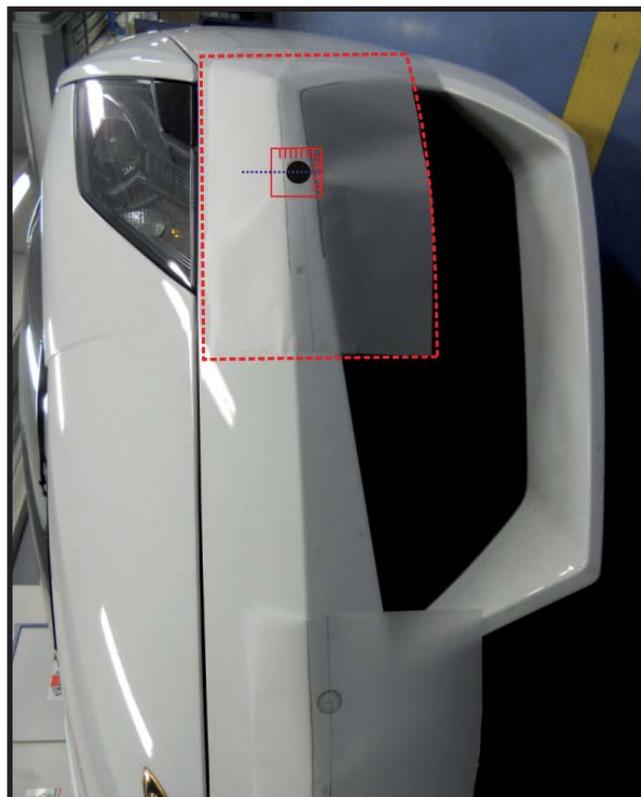
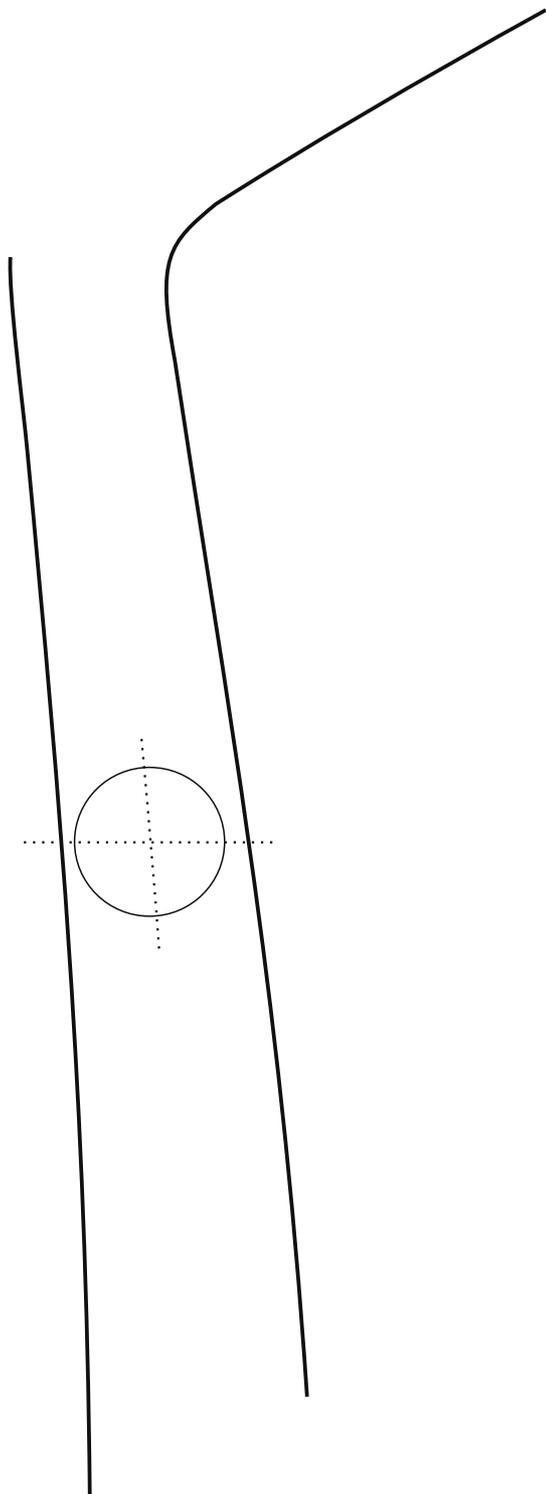


# REAR MASKING

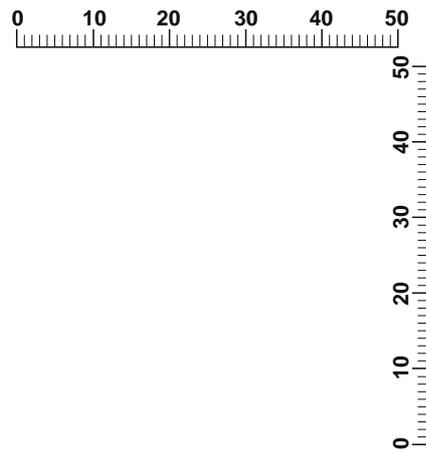
Mask the rear system with the engine running.



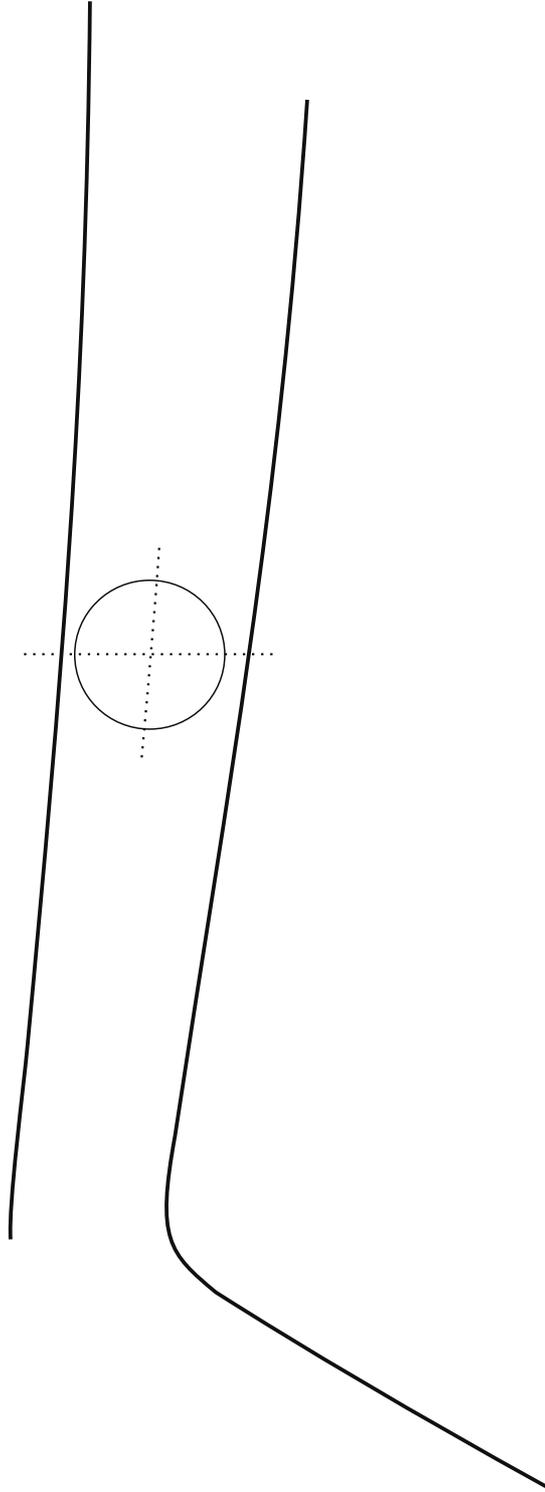
# FRONT PARKING SYSTEM: LH FRONT SIDE SENSOR

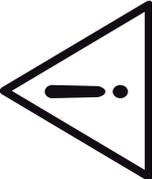


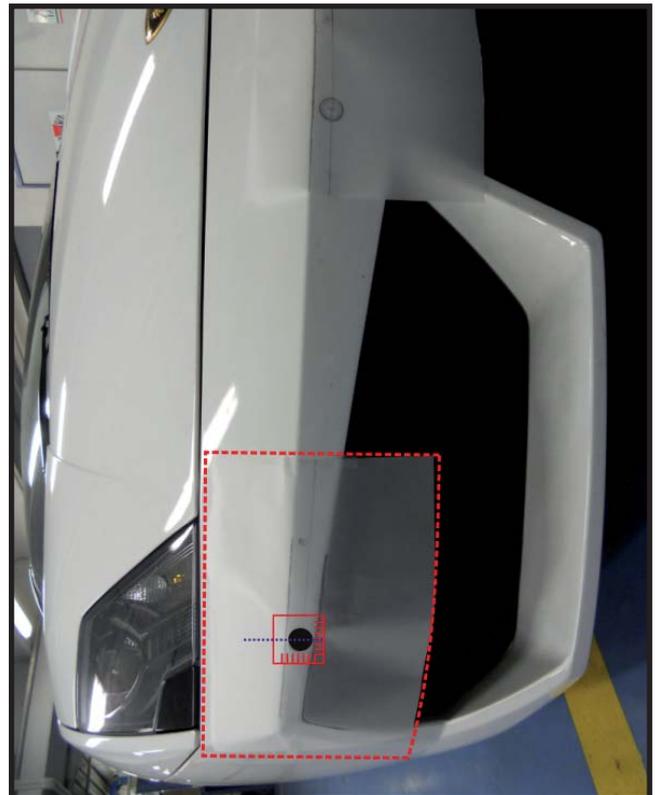
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Print 100%  
Check with rulers before use.



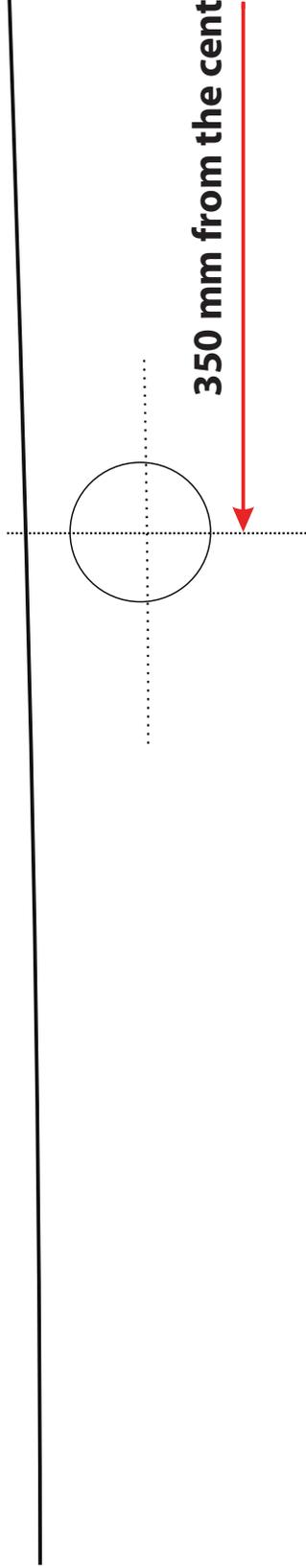
# FRONT PARKING SYSTEM: RH FRONT SIDE SENSOR



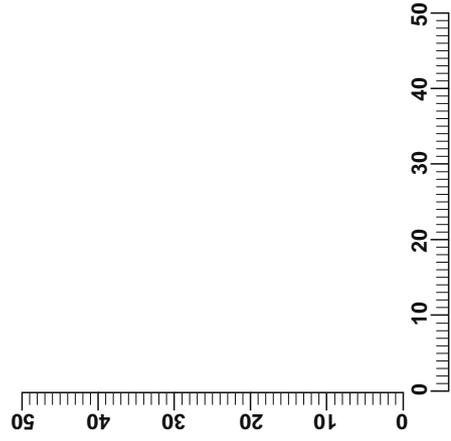
  
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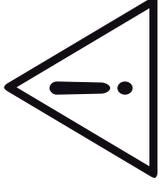


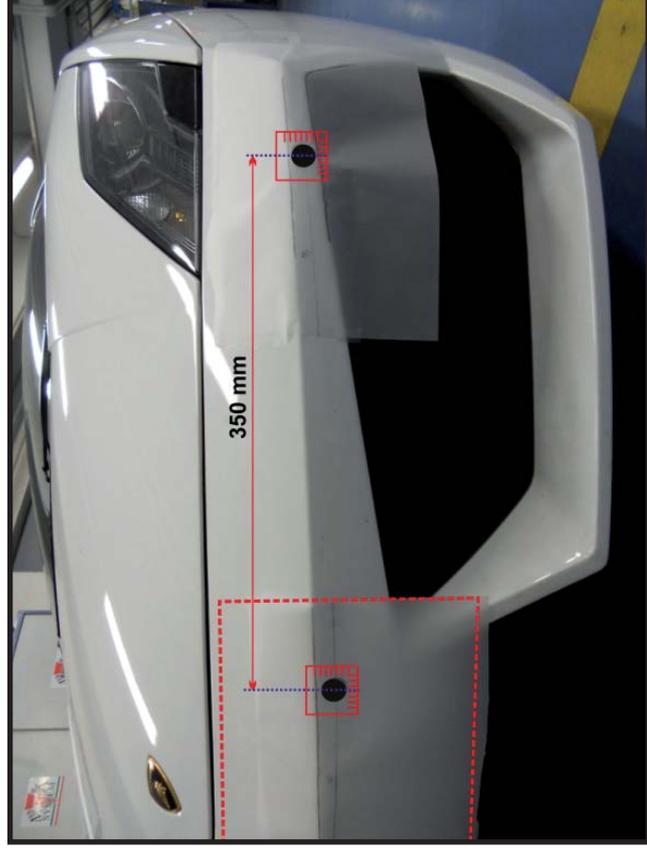
# FRONT PARKING SYSTEM: LH FRONT CENTRAL SENSOR



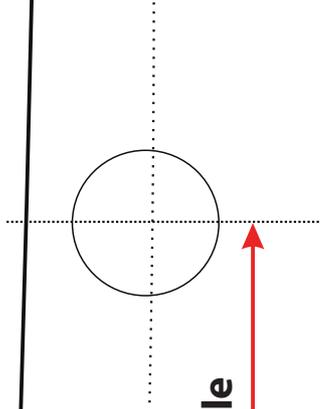
350 mm from the centre of the side capsule



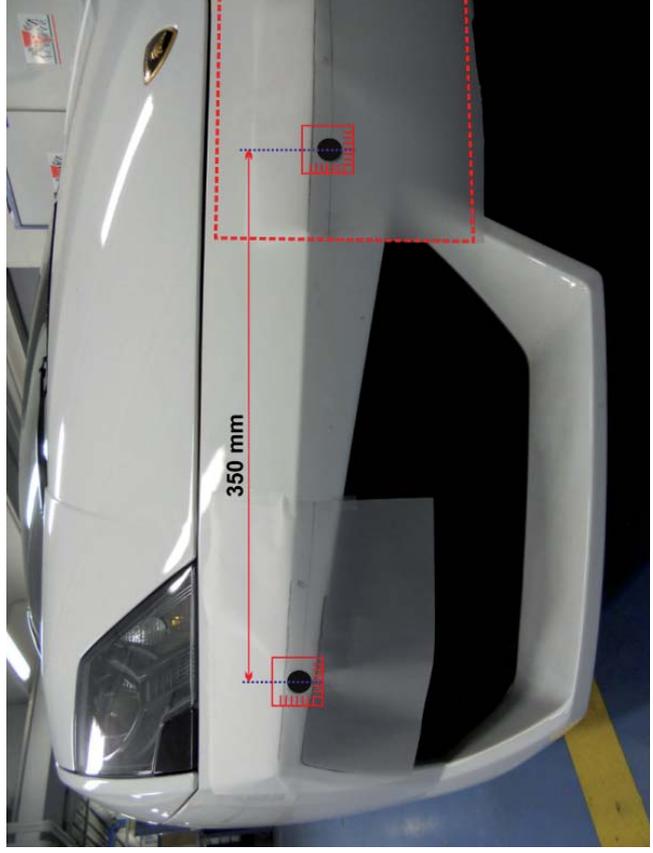
  
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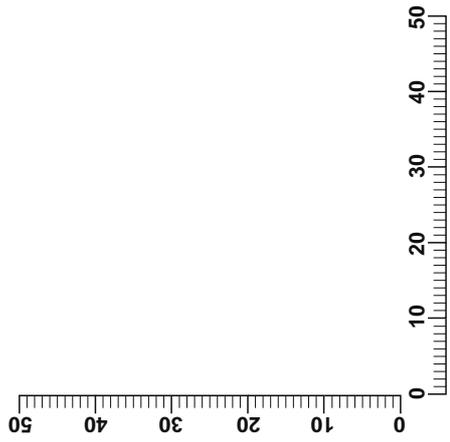
# FRONT PARKING SYSTEM: RH FRONT CENTRAL SENSOR



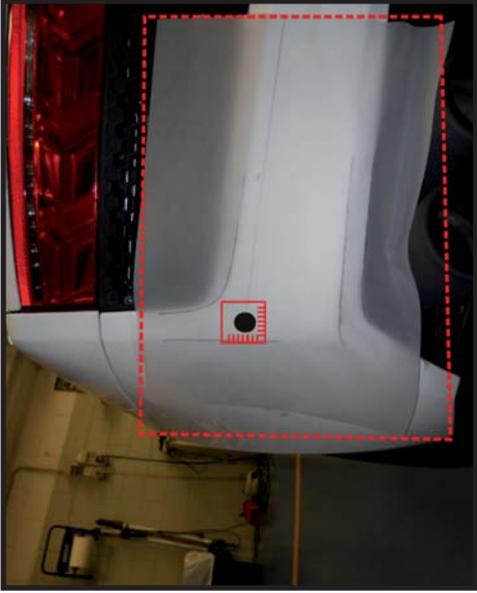
350 mm from the centre of the side capsule

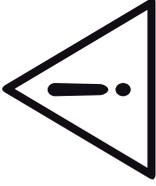


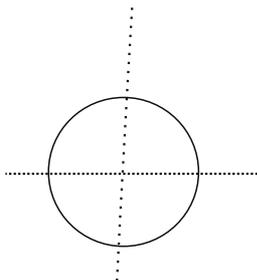
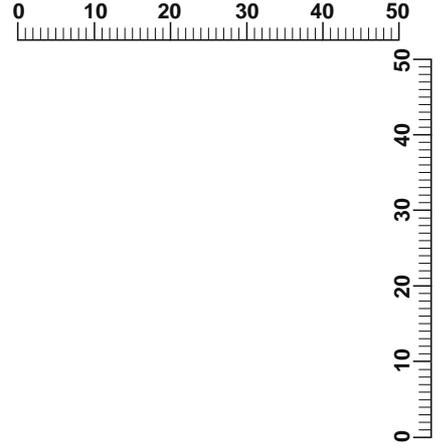
  
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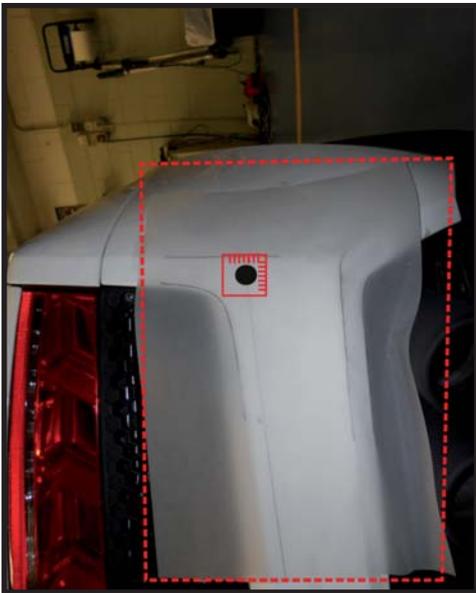
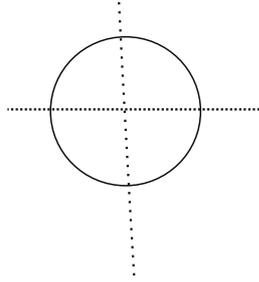
# FRONT PARKING SYSTEM: LH REAR SIDE SENSOR

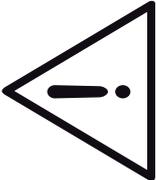


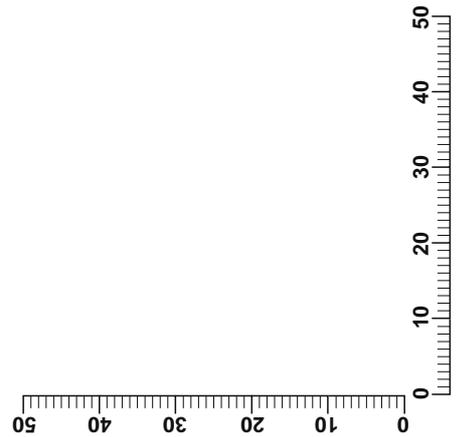
  
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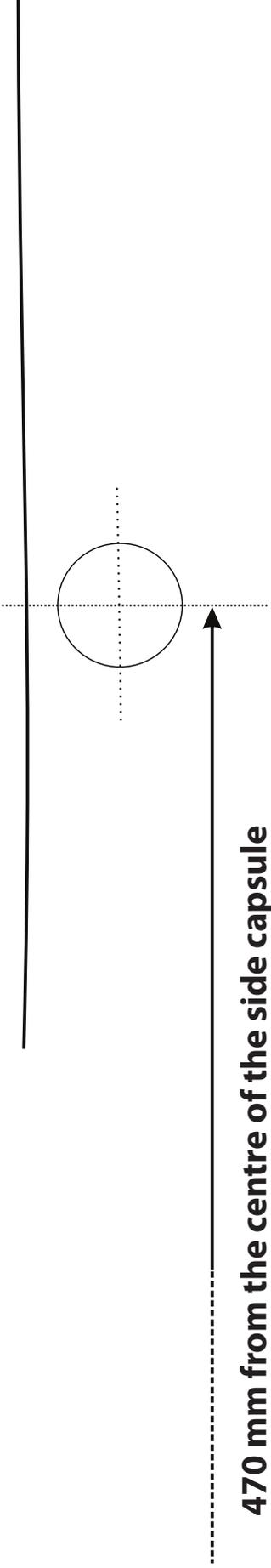
# REAR PARKING SYSTEM: RH REAR SIDE SENSOR



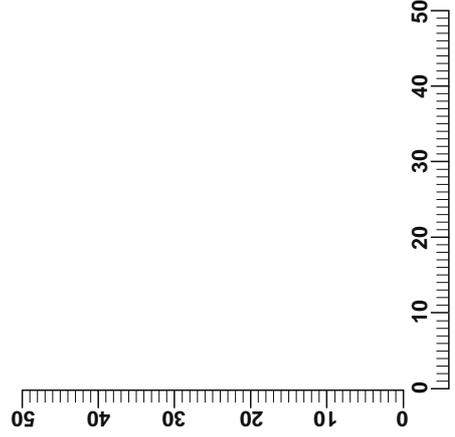
  
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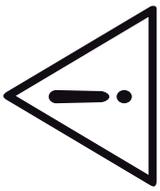


# REAR PARKING SYSTEM: LH REAR CENTRAL SENSOR

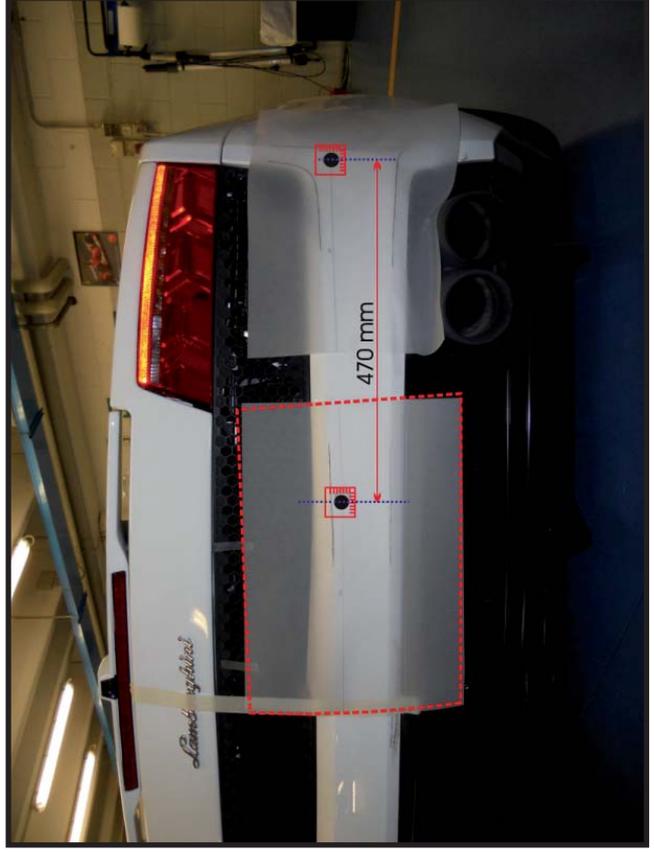


**470 mm from the centre of the side capsule**

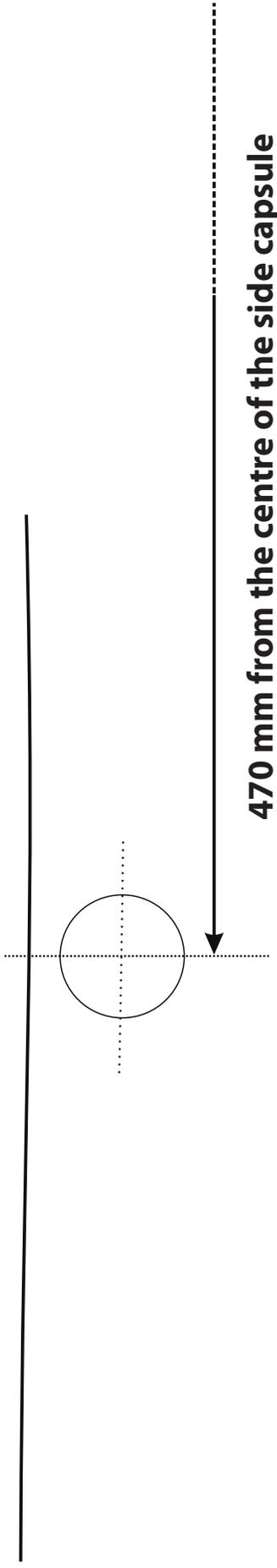




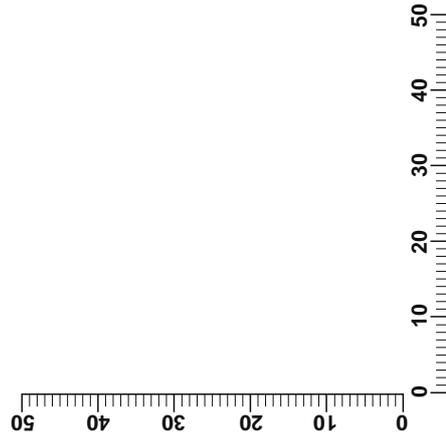
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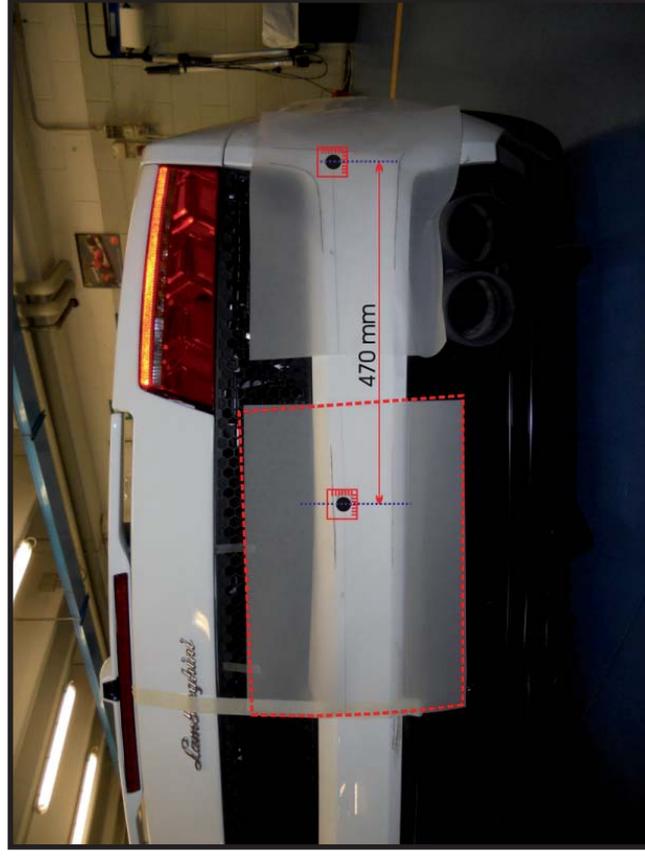
# REAR PARKING SYSTEM: RH REAR CENTRAL SENSOR



470 mm from the centre of the side capsule



  
**CHECK THE SIZE!**  
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Check with rulers before use.



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=UNI EN ISO 9001:2008 =**

**COMPANY WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
=ISO/TS16949:2009 =**

**COMPANY WITH QUALITY SYSTEM  
CERTIFIED BY CSQ  
=UNI EN ISO 14001:2004 =**

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