

Model all (CAR)
with code P21 (Air quality package)

Overview

This document contains information on:

- General
- Location

Location

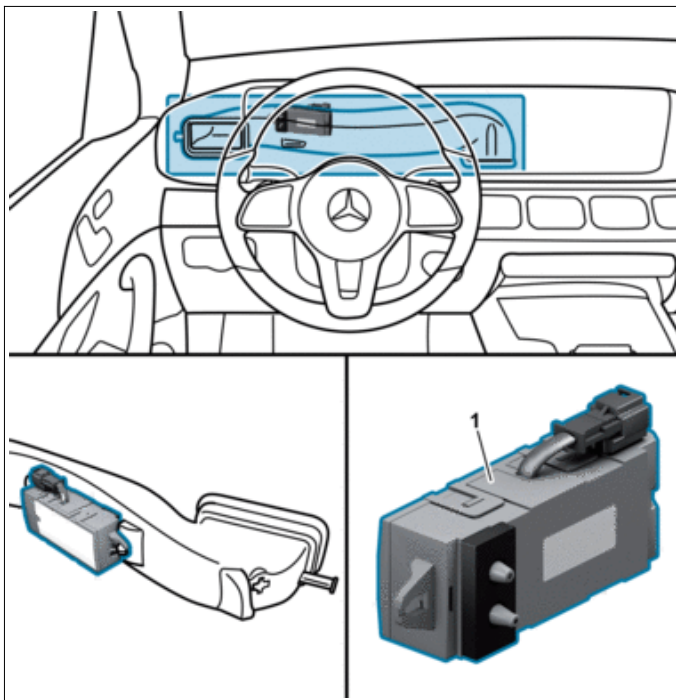
The ionizer (1) is located on the air duct leading to the driver's side air vent.

1 Driver side air vent ionizer

- Function requirements
- Functions

General

Air ionization makes it possible to refresh and clean the air in the vehicle interior. Interior air ionization is odorless, as such vehicle occupants cannot directly perceive it. Ionizers are controlled by control of the climate control.



P83.40-5586-82

Function requirements

- Climate control switched on
- Ionization active

- Blower switched on

Function

The ionizer (1) binds dust. This effect is based on the fact that charged ions attach to dust particles in the air. As a result of their electrostatic interaction, they encourage integration with other particles to form a larger cluster. The ionizer (1) then filters this cluster more easily than individual particles.

	Function schematics		
	Function schematic for actuating ionization	Model 167 with code P21 (Air quality package) Model 293 with code P21 (Air quality package) Model 213, 238, 257, 290 as of model year 2021 with code P21 (Air quality package)	PE83.80-P-2502-97A PE83.80-P-2502-97C PE83.80-P-2502-97D
	Further basic function		
	Climate control, basic function		GF83.00-P-9901A