Chronology of Defect (too many characters for the recall portal comment box)

Chronology:
MBAG initially became aware of a potential issue related to the flange connection on the turbo charger in the engine compartment by a notification from the Mercedes-Benz market organization in Canada in mid -June 2019 after the smell of exhaust was noticed during pre-delivery-inspection. MBAG conducted a review of all vehicles that remained at the plant and corrected the installation of the flange connection.

MBAG launched an investigation and conducted various analyses of the effect of a leak in the flange connection.

This investigation also included a detailed thermal analysis regarding the effect of potentially leaking exhaust gas on the various surrounding components. MBAG also analyzed the various functions of nearby components and their specific material properties, especially their resistance against high temperatures.

During the analysis MBAG also closely considered the potential for the spread of contaminated air in the event the flange connection began to leak. As part of the analysis, MBAG reviewed the vehicle features that could prevent exhaust gas intrusion into the passenger compartment's fresh air supply as well as whether passengers may be able to detect the presence of exhaust gas during different operating scenarios. MBAG ultimately was able to rule out the possibility of exhaust gas entering the passenger compartment through the fresh air supply because the components responsible for the fresh air supply in the passenger compartment are tightly sealed towards the rest of the engine compartment.

On February 5, 2020, MBAG determined that a safety risk could not be ruled out and decided to initiate a recall campaign.

Around the same time the initial investigation of this matter began, MBAG also became aware of a potential issue related to the operation of the screw connection for the exhaust gas recirculation pipe. Since the underlying circumstances between this subject and the EGR screw connection are very similar regarding the location of components and possible affects, both subjects where analyzed simultaneously.

To date MBAG is not aware of any complaints concerning this matter from the field.