

Diagnostic Sheet

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

MC20 – Side Doors Anomaly Diagnosis

DATE: September 18, 2024

This Technical bulletin serves as a guide and provides additional diagnostic info for possible BOTH SIDE DOOR anomalies (i.e. High effort in the opening/closing of the doors, noise on uneven roads, etc.)

MODELS: MC20 and MC20 Cielo (All MY).

IMPORTANT:

THE BELOW INFORMATION MUST BE COLLECTED FOR BOL BEFORE ANY REPAIR ACTION/ADJUSTMENT

Steps to follow:

1. Details of the anomaly to be collected from the customer:

- Detailed Description
- How the issue has been noted?
- Is the problem present with or without the side window closed?
- On the side, Windows is/where present obscuring film?
- Is the issue present on both doors? If not, what is the difference?
- Issue not present during PDI?
- Issue come up suddenly or increase during use?
- Have been performed any rework on the door system? (as ex side windows replacement/ side panel rework/windows airbag rework/door adjustment / etc.)
- On this car have been carried out previously campaign concerning door system? (as ex door latch/ B pillar/etc.)

2. Video of the issue with comparison:

- Door NOT OK
- Door OK

Note: In case both doors are KO make a benchmark with a similar donor vehicle

3. Detailed pictures of the following areas:

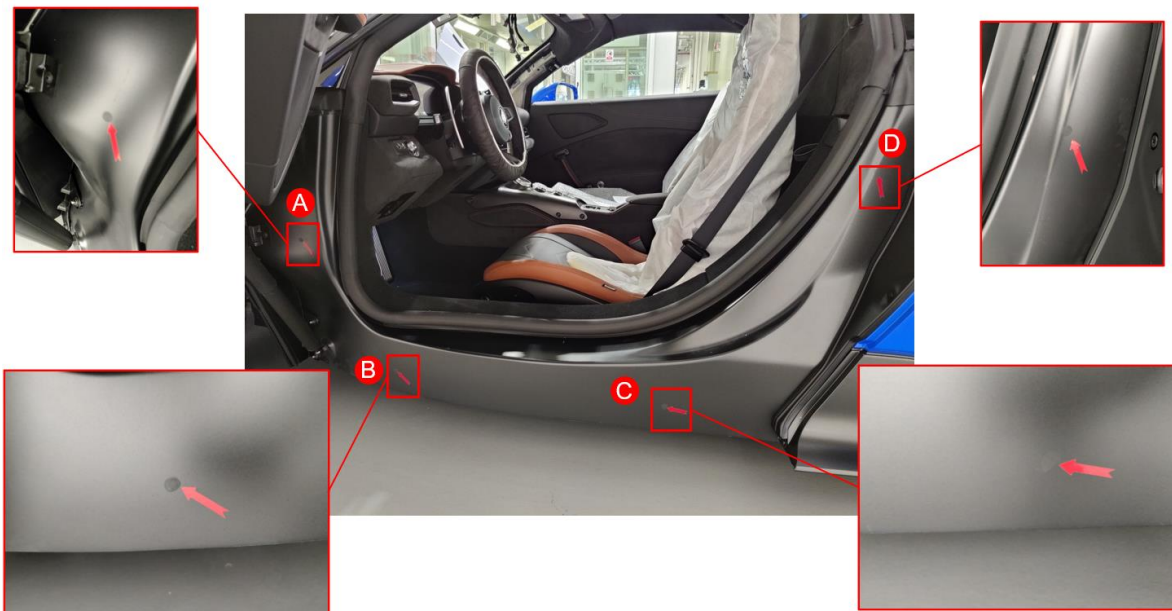
- Door Striker
- Door Latch
- **IMPORTANT:** In case of any interference between door/glass and door upper molding add please capture photos of the issue and attach them to the BOL.

4. Internal Gap measurements between door and monocoque (i.e. #4 areas: A) Door Hinge – B&C) Sill areas – D) Door Latch)

Place on the door some modeling clay as in the below pictures



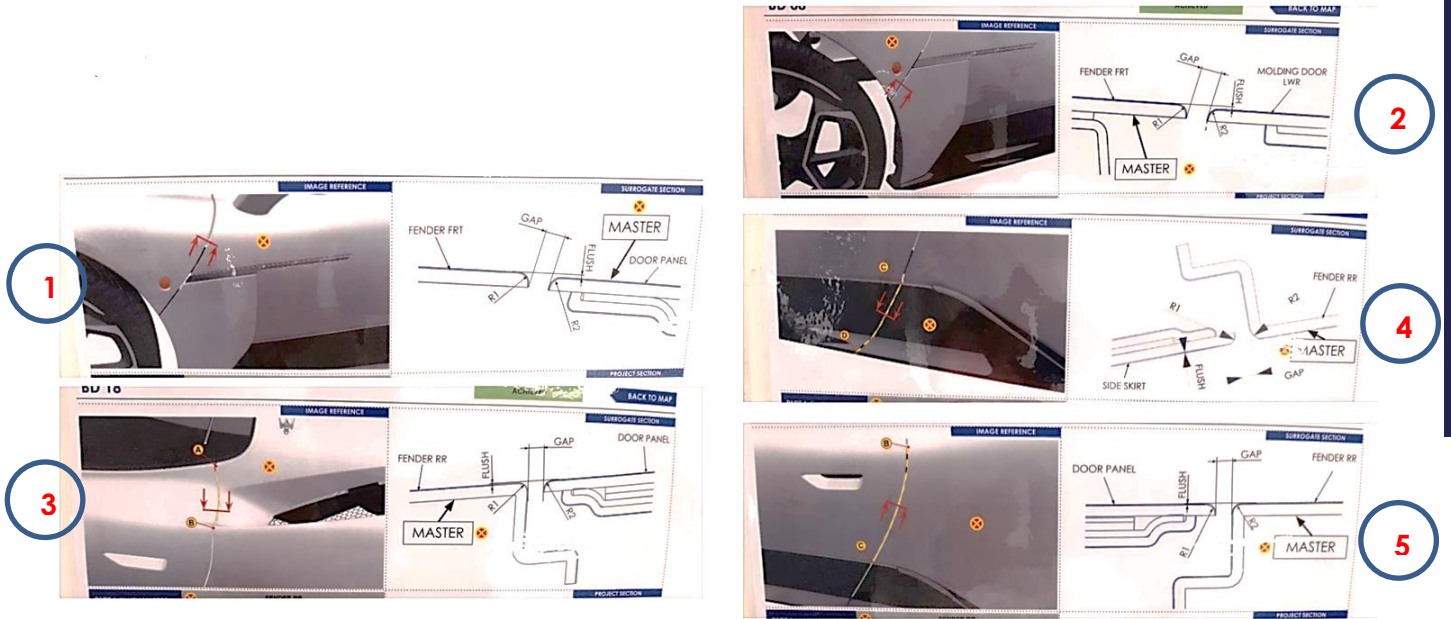
5. Verify that in all monocoque 4 points, it is present contact with the modeling clay (as below pictures)



6. Measure modeling clay thickness present on door/monocoque

POINT	Measurement [mm]
A	
B	
C	
D	

7. Door's Gap & Flush measurements



	POINT	GAP Measurement [mm]	FLUSH Measurement [mm]
LEFT SIDE	1) Front fender VS Door		
	2) Front Fender VS Lower Molding Door		
	3) Door (UP) VS Rear fender		
	4) Side Skirt VS Rear Fender		
	5) Door (mid) vs. rear fender		
RIGHT SIDE	1) Front fender VS Door		
	2) Front Fender VS Lower Molding Door		
	3) Door (UP) VS Rear fender		
	4) Side Skirt VS Rear Fender		
	5) Door (mid) vs. rear fender		

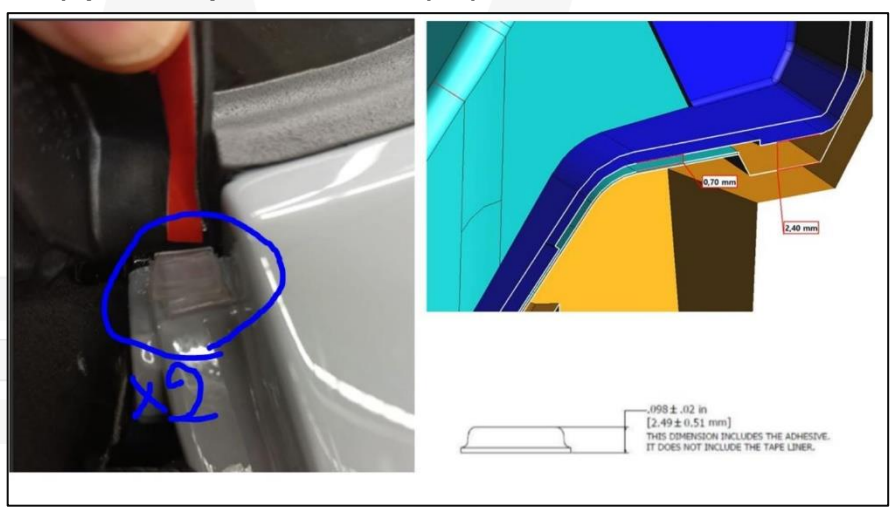
8. Verify if the inside door seal (both sides) is present in the stuffer, see below example picture below.

SIDE	SFUFFER PRESENCE
	YES/NO
LEFT	
RIGHT	



9. Verify if on B pillar is present in the 2-rubber strip (both sides), see below example picture below.

SIDE	B pillar rubber strip presence
	YES/NO
LEFT	
RIGHT	



10. Open a BOL before proceeding with any adjustment providing the above collected info.