

## SERVICE INFORMATION BULLETIN

**TITLE:** McLaren P1™ Exhaust Muffler Bracket Replacement

**DOCUMENT NUMBER:** 12 H 001

**AFFECTED VEHICLES:** McLaren P1™

**SITUATION:** McLaren Automotive have identified that the lower exhaust muffler trim bracket might fatigue and fail, causing the trim to rattle against the exhaust muffler. As a result, the original welded bracket has to be replaced with a new bracket which is bolted to the muffler.

**Care Point:** This bulletin can only be carried out in one of the following situations:

- Customer complaint for rattle due to the bracket failure.
- Rear Clam is removed for another repair.
- Rear Clam is removed as part of an annual service.

**PROCEDURE:** Please follow the instructions outlined in this document to replace the exhaust muffler trim bracket.

**Removal:**

1. Please refer to SIS instructions BA-RM-05H001-02-001 - Remove/install muffler to remove the exhaust muffler.

**Instructions:**

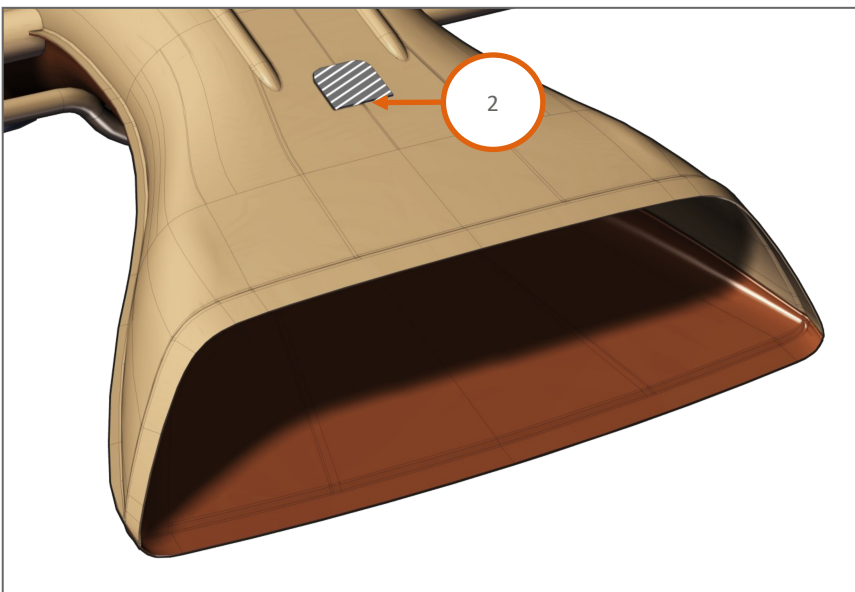
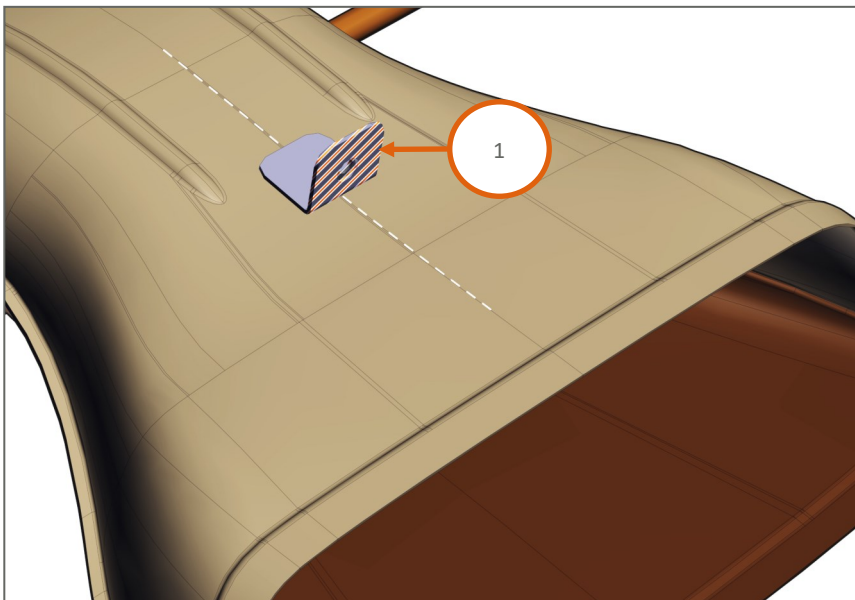
2. Once the exhaust muffler is removed, remove the muffler trim to inspect the condition of the lower bracket.

3. The bracket will be in one of the following three conditions:

- Partially detached/cracked. In this case proceed to Step 4.
- Fully intact. In this case proceed to Step 5.
- Completely detached. In this case proceed to Step 6.

4. In this scenario the vertical section (1) of the bracket is detached from the rest of the bracket. This section is still attached to the muffler and has to be removed and scrapped. Use an Angle Grinder to flatten the edge off the horizontal section (2) of the bracket. Once this is completed proceed to Step 6.

5. In this scenario the complete bracket is intact. First use an Angle Grinder with a cutting disc to cut and remove the vertical section (1). Then use a Angle Grinder to flatten the cut section (2). Once this is completed proceed to Step 6.

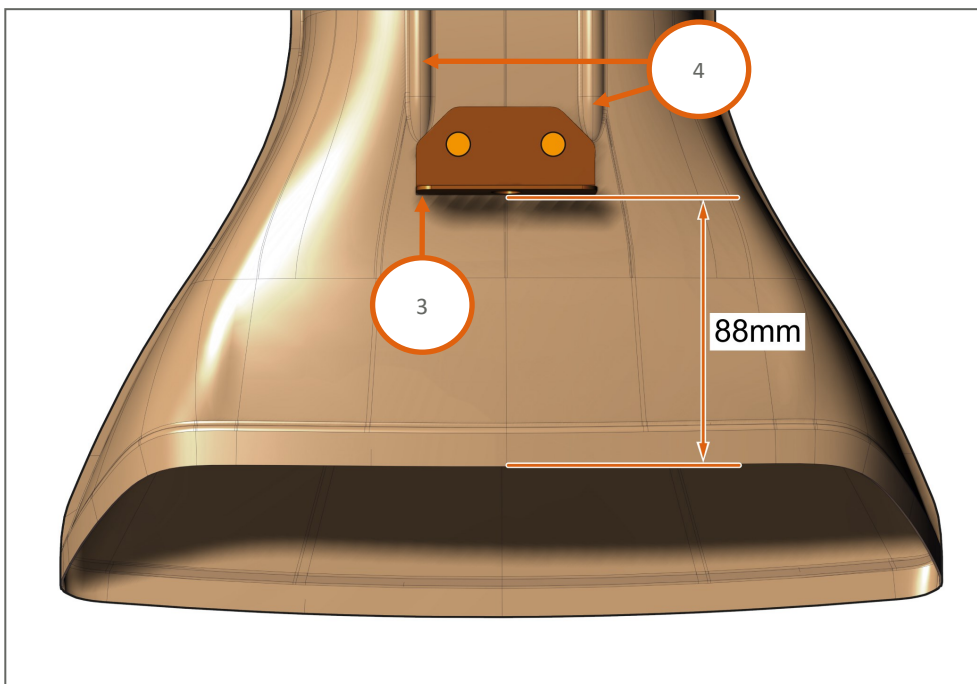


6. Place the new bracket 12HA001MP (3) in the position shown in the picture below. Ensure the bracket is located in the middle of the two strengthening ribs (4) and 88mm from the end of the muffler.
7. With a permanent marker pen mark the centre of the two holes to the muffler.
8. Remove the bracket and use a Centre Punch Tool to mark the centre of the pen marks that were created at Step 7.
9. Drill two pilot holes.

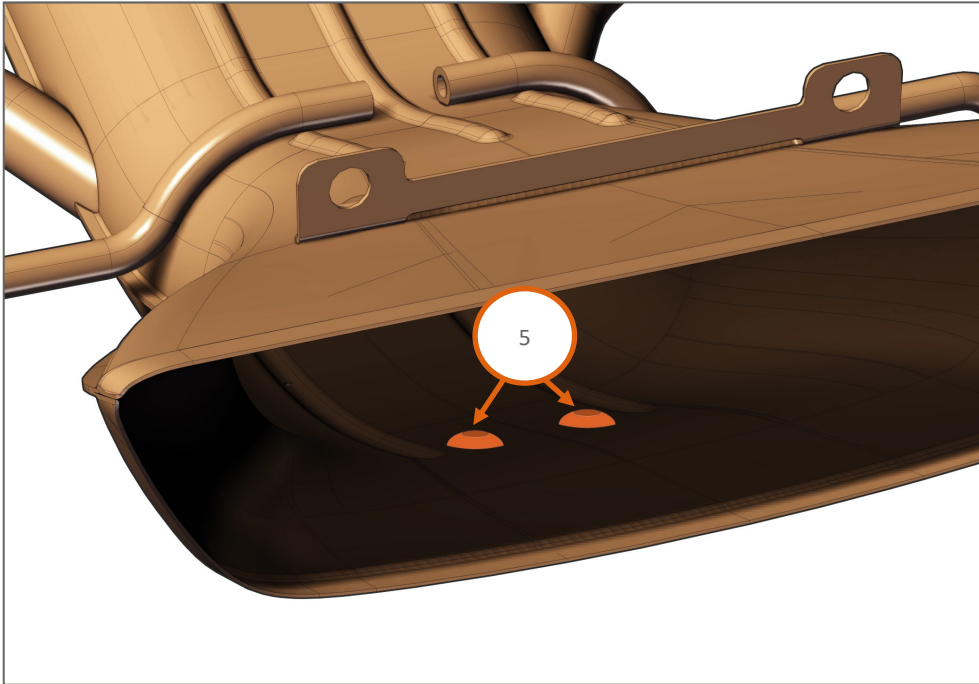
**Care Point:** The exhaust is made from a very strong material (Inconel) so Cobalt or Tungsten Carbide drill bits are required to drill the holes.

**Care Point:** Do not attempt to drill the 6.5mm diameter holes with the same size drill bit as this will damage the drill bit and the part. Start with a 2.5mm diameter drill bit, then 4.5mm and finish with 6.5mm drill bit to achieve the 6.5mm holes.

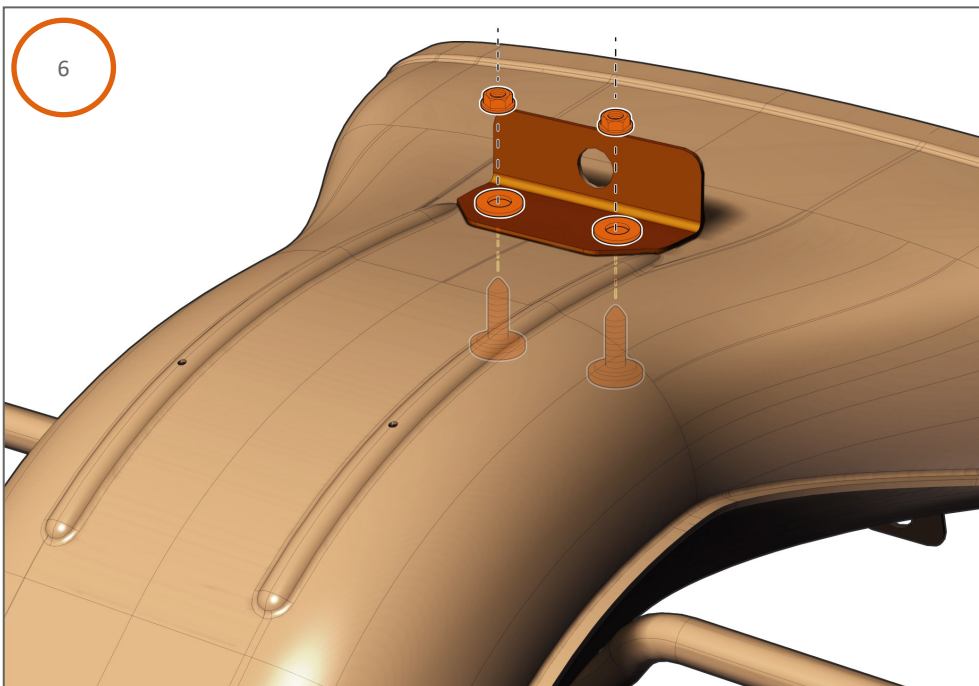
10. Drill two holes of 6.5mm diameter.



11. Insert new fixing bolts (00RA310) through from the inside of the exhaust muffler (5).



12. Attach the new bracket with washers (00RC077) and nuts (00RA511) (6) and torque to 8Nm.



**Installation:**

13. Install components in reverse order as per BA-RM-05H001-02-001 - Remove/install muffler.

## WARRANTY INFORMATION

DESCRIPTION	RESOLUTION CODE	TOTAL REPAIR TIME
Exhaust Muffler Bracket Replacement	BE - Powertrain HA - Exhaust 02 - Muffler & Tail Pipes 02 - Muffler - Exhaust A1 - Mechanical 1B - Cracked 2M - Poor weld / solder joint 02 - Repair	1.1 hours

## PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY	ORDER PROCESS
Exhaust Muffler Bracket	12HA001MP	1	Unipart
Clamp - Spherical Joint - Exhaust Muffler	11H0173CP	2	Unipart
M6 x 16 Button Head SS bolt	00RA310	2	Unipart
M6 x 18 x 1.5 SS Washer	00RC077	2	Unipart
M6x1 Nut – Copper Plated Flanged	00RA511	2	Unipart
Cobalt or Tungsten Carbide Drill Bit	N/A	As required	Source locally

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