



## 2015+ McLaren 650S EXHAUST INSTALLATION GUIDE

PERFORMANCE CATALYSTS ARE FOR RACE USE ONLY

Thank you for your purchase of the **AWE Tuning Performance Catalysts and Performance Exhaust** for the **2015+ McLaren 650S**! For up to the minute fitment information, be sure to visit the McLaren section of [www.AWE-Tuning.com](http://www.AWE-Tuning.com).

As always, McLaren performance specialists are standing by for any questions, at 215-658-1870, or [performance@AWE-Tuning.com](mailto:performance@AWE-Tuning.com).

# PARTS LIST

## PERFORMANCE CATALYSTS: **FOR RACE USE ONLY**

- 1 Driver side catalyst section
- 1 Passenger side catalyst section
- 2 Turbine outlet gasket

## PERFORMANCE EXHAUST:

- 1 Exhaust and bracket assembly
- 1 Driver exhaust tip
- 1 Passenger exhaust tip
- 2 3" AccuSeal clamps

## STEP 1



Always refer to the manufacturers service manual for precise torque specifications on all OEM fasteners.

Installation of AWE Tuning parts is essentially the reverse of removal of the factory parts.

Two people will be required to conduct various steps of disassembly and assembly.

To access the catalyts and exhaust, the following parts must be removed from the vehicle:

- Rear underbody tray
- Both rear wheels
- Both rear fender liners
- Rear wing/air brake (with engine off, pull upwards in center of wing to access fasteners below)
- Rear engine "armadillo" cover
- **On Coupe:** engine side covers (see Step 2)
- Factory exhaust
- All four Oxygen Sensors
- Turbo outlets to catalyts V-band clamps

## STEP 2

To remove engine side covers (**Coupe only**):

- To prevent scratches, first tape up the following areas:
  - Quarter panel edge along engine cover.
  - Rear deck lid along engine side cover.
  - Around the cut out for the lid strut.
  - Along the lowest edge of the engine cover where it can contact the intake tube when slid rearwards.
- Remove the two bolts which hold the coolant reservoir to its bracket. Loosen the nut located beneath the coolant reservoir in the rear.
- Remove the side cover bolts (four along the top edge, two at the front, one at the lower mid section).

To gain proper clearance, either remove the intake tube at the throttle body or remove the engine lid strut or remove both.

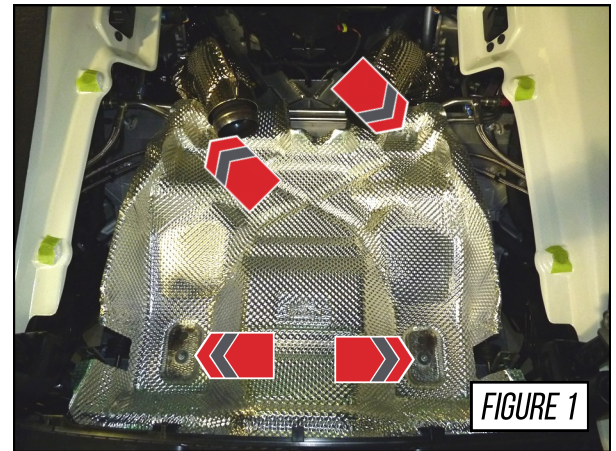
Unclip the side covers by pulling upwards at the rear edges where they attach to the rear deck lid. Then slide rearwards and out of the car, while a second person gently lifts and twists the coolant reservoir out of the way.

Pay close attention to the following:

- The cut out for the side cover as it slides into/out of the engine lid bracket.
- The rear edge of the side covers each have a clip which may interfere with and damage the rear deck lid.
- The side cover around the area of the throttle body/tube and the bracket which the side cover screws into.

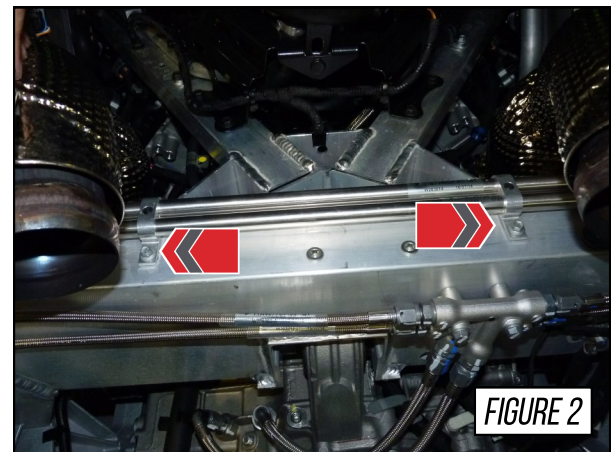
## STEP 3

Remove heatshield underneath the exhaust section by removing four 8mm nuts at arrows in **Figure 1**.



## STEP 4

Remove the two 8mm bolts securing the suspension hard lines, at arrows in **Figure 2**.



## STEP 5

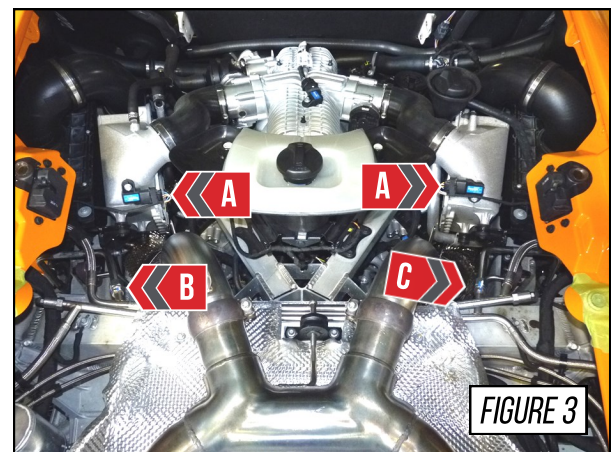
To remove the catalyst sections, first remove the MAP sensors, at **Arrows A** in **Figure 3**, and then the upper catalyst heat shields.

Driver side:

- Pull the metal hanger bar over the fluid lines, at **Arrow B** in **Figure 3**.
- Rotate the catalyst assembly counterclockwise by approximately 40°.
- Have a second person push the lower catalyst heatshield in towards the engine by the sub-frame.
- Continue with counterclockwise rotation while lifting the catalyst section out of the engine bay.

Passenger side:

1. Cover the positive electrical lead at the alternator to prevent accidental arcing during removal.
2. While lifting rotate the catalyst assembly clockwise approximately by 45 to 50°.
3. Have a second person push the lower catalyst heatshield in and downwards.
4. Pull the metal hanger bar over the hard lines, at **Arrow D** in **Figure 3**.
5. Continue with clockwise rotation while lifting the catalyst section up and out of the engine bay.



## STEP 6

Swap the lower heatshields from the stock catalysts to the AWE Tuning Performance Catalysts. Use the included new turbine outlet gaskets during installation of the AWE Tuning Performance Catalysts.

Once the catalysts are in place, install the upper stock heatshields.

**If you are installing the AWE Tuning Performance Exhaust at this time, leave the connection between the turbos and the Catalysts loose at this time to allow for proper tip alignment.**

## STEP 7

If the optional Carbon Fiber Tip Surrounds were purchased, install them before installing the exhaust system.

Re-use the factory hardware to attach the AWE Tuning Performance Exhaust to the catalyst section outlets. Leave this connect loose at this time.

After installing the AWE Tuning Performance Exhaust, align the tips in the bumper outlets to the same depth as the factory tips. Adjust the rotation of the exhaust and the tips for proper positioning and then tighten down the AccuSeal clamps to 40 ft./lbs.

**Go back and fully tighten down the connections between the exhaust and Catalysts and Catalysts and turbos.**

Fully heat cycle the exhaust to check for leaks. Re-adjust the tips if necessary after the exhaust fully cools. Complete the re-assembly in reverse order of disassembly.

## ENJOY!



# CARE

After use, the optional machined finish tips on the 650S AWE Tuning Performance Exhaust may show signs of turning gold or slightly blue. If desired, this coloring can be removed by using a polish called Blue Away, made by Simichrome.

Any questions or comments,  
please do not hesitate to contact us:

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# WARRANTY

## Summary:

This warranty is in place for all AWE Tuning brand products, and works in conjunction with any incremental specific product warranties or guarantees as listed on AWE-Tuning.com. This warranty protects against manufacturer defect. A performance car is only as strong as its weakest link. Therefore, it is vital that you maintain your vehicle to factory specifications. By installing or using the purchased product, the Consumer accepts this warranty and any specific Manufacturer warranties enclosed. The following warranty is valid only in the United States and Canada. The Manufacturer's full warranty applies to all products sold.

## Covered:

All AWE Tuning brand products against manufacturer defect. Please note that special order items are not returnable.

## Period:

Secor Ltd. (AWE Tuning) warrants this **2015+ McLaren 650S Performance Catalysts and Performance Exhaust** to the original retail purchaser (Consumer) against manufacturer's defects as follows: **ONE (1) YEAR on Catalytic Converter Internals - AND - ONE (1) YEAR on tip finish - AND - LIFETIME on balance of parts**; from purchase date from AWE Tuning directly or from AWE Tuning authorized retailer. Proof of purchase will be required.

## Condition of system:

In the event of a return, product must be returned with no signs of abuse, incorrect installation, forced installation, motorsports usage, or product altering whatsoever. Actions will be granted upon receipt of product at AWE Tuning, after inspection.

## Action:

Returns and warranty claims **MUST BE HANDLED THROUGH ORIGINAL LOCATION OF PURCHASE**. Upon verification of warranty coverage, AWE Tuning will, at its sole option, repair, replace or consult toward remedy for the defective product, without charge. This is the only remedy the Consumer has for any loss or damage, however arising, due to nonconformity in or defect of the product. This warranty does not cover consequential damage, loss of time or revenues, labor, inconvenience, loss of use of vehicle, shipping, damage to the vehicle or components, or other incidental or indirect damage.

## Labor:

Labor is not covered.

## Shipping:

Shipping charges are not covered.

## Restocking:

AWE Tuning reserves the right to charge a 20% restocking fee for products that are returned.

## Exclusions:

Use of product in Motorsports or Racing conditions is grounds for warranty denial. Motorsports and Racing is an inherently abusive operational condition, and it is impossible to warranty for this type of usage. Warranties may be voided if product is not installed by an authorized AWE Tuning dealer. Warranties will be voided if product is improperly serviced, modified, or used in a way not intended by the Manufacturer. The Consumer is responsible for ensuring that the product is installed in a safe and proper manner, and should cease usage of the product immediately if an unsafe or improper condition is noted. If an unsafe or improper condition is noted, the Consumer should then immediately contact the facility where the product was installed, or AWE Tuning.

## Other:

EXCEPT AS EXPRESSLY SET FORTH ABOVE, AWE TUNING MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL AWE TUNING BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES HOWEVER CAUSED, ON ANY THEORY OF LIABILITY, AND WHETHER OR NOT AWE TUNING HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. AWE Tuning's sole liability on any claim of any kind, whether in contract, tort, or otherwise, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery or use of the products sold hereunder shall in no case exceed the amount actually paid to AWE Tuning for the applicable product. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy.