



## INSTALLATION GUIDE

### **2012+ McLaren MP4-12C Performance Catalysts**

**FOR RACING USE ONLY**

### **2012+ McLaren MP4-12C Performance Exhaust**

Congratulations on your purchase of the AWE Tuning Performance Catalysts and Performance Exhaust for the 2012+ McLaren MP4-12C Coupe and Spider.

Exquisite build quality with industry leading performance distinguishes this exhaust system upgrade from all others.

**Contact us with any installation questions.**

215-658-1670

[AWE-Tuning.com](http://AWE-Tuning.com)

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### Performance Catalysts:

- 1 driver side catalyst section
- 1 passenger side catalyst section
- 2 turbine outlet gasket
- 2 short straight O2 spacer and copper washer

### Performance Exhaust:

- 1 exhaust assy
- 1 driver exhaust tip (machined finish or black)
- 1 passenger exhaust tip (machined finish or black)
- 2 3" Accu-Seal clamp

## Step 1

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 catalysts 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 catalysts V-band clamps

## Step 2

To remove engine side covers (Coupe only):

1. To prevent scratches, first tape up the following areas:
  - a. Quarter panel edge along engine cover.
  - b. Rear deck lid along engine side cover.
  - c. Around the cut out for the lid strut.
  - d. Along the lowest edge of the engine cover where it can contact the intake tube when slid rearwards.
2. Remove the two bolts which hold the coolant reservoir to its bracket. Loosen the nut located beneath the coolant reservoir in the rear.
3. 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:

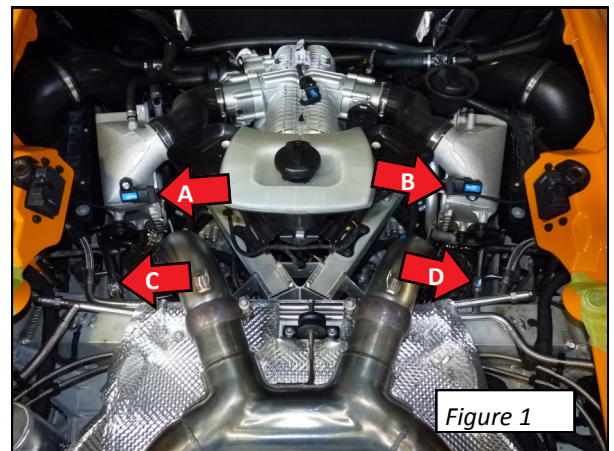
1. The cut out for the side cover as it slides into/out of the engine lid bracket.
2. The rear edge of the side covers each have a clip which may interfere with and damage the rear deck lid.

## Step 3

To remove the catalyst sections, first remove the MAP sensors, at **Arrows A and B in Figure 1**, and then the upper catalyst heat shields.

Driver side:

1. Pull the metal hanger bar over the fluid lines, at **Arrow C in Figure 1**.
2. Rotate the catalyst assembly counterclockwise approximately by 40°.
3. Have a second person push the lower catalyst heatshield in towards the engine by the cast subframe.
4. Continue with counterclockwise rotation while lifting the catalyst section up and 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 1**.

## Step 4

Swap the lower heatshields from the stock catalyts to the AWE Tuning Performance Catalyts.

Use the included new turbine outlet gaskets during installation of the AWE Tuning Performance Catalyts.

At the SECOND set of threaded fittings in the catalyst sections (one on each side of the car) install the O2 sensor spacers and copper washers, shown at arrow in **Figure 2**.

Then install the SECOND set of O2 sensors into the spacers.

**To ensure no Check Engine Light, make sure these spacers/washers are installed at the SECOND sensor positions (the sensor set downstream from the catalytic converters).**

Once the catalyts 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 Catalyts loose at this**

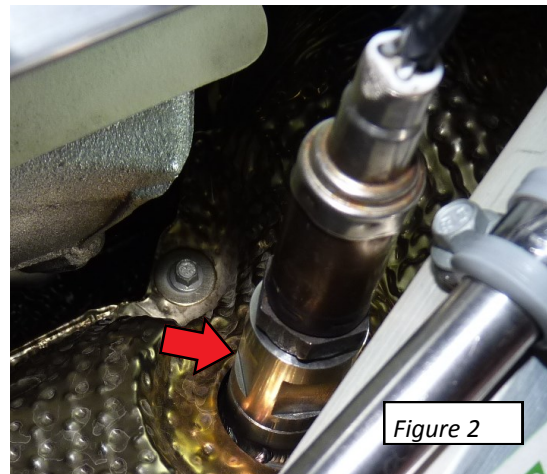


Figure 2

## Step 5

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.

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 Accu-Seal clamps to 40 ft/lbs.

**Go back and fully tighten down the connections between the exhaust and Catalyts and Catalyts 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**

After use, the optional machined finish tips on the 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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Thank you for choosing AWE Tuning as your performance automotive parts supplier. Please remember that 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.**

## Limited Warranty

The following warranty is valid only in the United States.

The Manufacturer's full warranty applies to all products sold.

Secor Ltd. (AWE Tuning) warrants to the original retail purchaser (Consumer) from date of original purchase:

ONE YEAR on Catalytic Converter internals  
LIFETIME on balance of Performance Catalysts system  
LIFETIME on Performance Exhaust

Upon verification of warranty coverage, AWE Tuning will repair or replace the defective product at their discretion, 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, inconvenience, loss of use of vehicle, shipping costs, installation labor costs, damage to the vehicle or components, or other incidental or indirect damage.

All warranties are void if the product was not installed by a certified auto mechanic, improperly serviced, modified, or used in a way not intended by the Manufacturer. 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.

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 directly.

Please contact the original place of purchase for any warranty claims or explanations of this document.