

# ASTON MARTIN V8/V12 EXHAUST & POWERPACK FAQ [2004-2017]

This guide has been created to help prospective and existing customers better understand Aston Martin exhaust system compatibility (2004-2017 model years). Within this FAQ, you will find information regarding which exhaust components can be combined, how various configurations affect sound volume and tone, potential installation requirements, and recommendations based on your performance and sound objectives.

Check out our Exhaust Video Archive Page here: https://www.velocityap.com/exhaust_video_archive/

## Axle Back:







- Fitment is identical/interchangeable for any Vantage (V8 or V12)
- Fitment is identical/interchangeable for any large chassis (DB9, DBS, Virage, Vanquish except Zagato and Vanquish S which has quad exit exhaust and it's own dedicated exhaust product).
    - https://www.velocityap.com/product-category/aston-martin/
- Rapide is its own fitment, and also has a quad tip on the later models.
    - https://www.velocityap.com/product-category/aston-martin/rapide/?product-filters=exhaust,power-packs
- Sound options for all the above are identical. **We do not offer the exact same products across all model years; this is meant to be a general overview. (Please note:** The in/out pipe locations and hangers differ slightly, but the basic configurations are all the same:
    - **Race Delete** (no XPipe, just straight pipes) – Most aggressive and very loud output
    - **Race XPipe** (delete the muffler and replace with an xpipe, no valves) Very loud but higher pitched
    - **Supersport, Sport and Touring** in order of loudest to quietest, all with internal Xpipes. Touring is marginally louder than OEM.
    - Valved (special chambered extra quiet valved muffler, with xpipe muffler bypass) – Extremely loud when open, OEM level when closed. Valves will open and close like OEM.

## Complete Power Packs (significant increase in sound volume for the V8 and V12



- V8 Vantage All Model years
- V12 all model years for 6.0L NA
- For the 6.0L V12's, the headers & cat sections are all identical across all cars they put it in (DB9, DBS, Virage, Vanquish, Rapide, Vantage)

## Cat Sections:




- **2006-2010 Vantage**: Cat delete or 200 cell sport cats. Replaces both primary & secondary cats at once, requires tuning. Significant increase in volume. Compatible with our headers
- **2010.5-on MY Vantage:** Secondary deletes only, only compatible with OEM headers. Moderate increase in sound (primaries are retained in the OEM manifolds)
- **All 6.0L V12:** Secondary deletes only. Moderate increase in sound – even more so than V8's, because these cars have 6 cats total, and there are 2 in each OEM manifold.

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## Xpipe Center Section:



- Changes pitch but makes the volume increase even more moderate, barely any sound increase at all, some people will even perceive it as quieter.
- General rule of thumb – adding an XPipe is going to increase pitch, described this as 'European or Exotic' sound, versus 'American' V8.

# Common FAQ

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| **Can I just install the headers from the Power Pack and not do the ECU tuning to get that high pitched sound everyone loves?** | There are a couple of issues why we won't sell this separately. First there won't be anywhere to plug in the post-cat O2 sensors. The second is that moving the sensors from a few inches, to 2 feet from the exhaust ports on the engine changes the transit time, this means that when the ECU makes a change to fuel trims in closed loop, it expects to see that change picked up by the O2 sensors in the Air/Fuel ratio within a particular time frame (milliseconds.) If it takes longer, it throws slow response codes and thinks the sensor is on the way out. Another way to obtain a similar type of sound, you could go with our secondary deletes + valved exhaust, or XPipe muffler delete. Both bring that higher pitch note, just not as aggressive as the Power Pack. |
| **Are your exhaust CARB compliant?** | No, they are not. |
| **Will my car pass emission testing with your exhaust installed?** | It depends on the type of emissions testing in your area and what modifications were made to the exhaust system. We cannot guarantee your results. In most cases, cat back, axle back and muffler delete exhaust systems might pass. Changes to the vehicles' catalytic converters are more likely to not pass. |
| **For Aston Martin V12 Vantage S, what works with the secondary cat deletes?** | The headers will mate up to the secondary cat deletes physically; they will need O2 Sensor bungs to be added for the post cat sensors to be completely compatible with our headers.<br><br>That needs holes drilling & the bungs welded to those pipes. What I would recommend is purchasing our power pack (which includes ceramic coated headers, 200 cell sport cats (with the O2 provisions), harness extensions, filters, gaskets/fasteners and ECU Tuning.<br><br>All those things are necessary to install the headers and get things working without check engine lights.<br><br>https://www.velocityap.com/product/aston-martin-v12-vantage-s-rapide-vanquish-my-2015-2017-power-pack/ |

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| **I have a 2014 vanquish. What is the difference between the secondary cat delete pipes and xpipe muffler versus the xpipe cat delete and gt4 muffler delete pipes? I want the highest pitch F1 sound available** | There's going to be negligible sound or weight difference between the two. I'm sure you could use complicated equipment to detect something but to the human ear, both options are straight pipes with an xpipe, from the manifolds back, just differs exactly where the x is. The Xpipe secondary + GT4 is about $600 less, but can be a little trickier to install.<br><br>If you're looking for this sound: https://www.instagram.com/persian.stig/ then I would also recommend either our valved or supersport rear exhaust sections.<br><br>To get you the high pitched sound the XPipe adds: https://www.velocityap.com/product/aston-martin-v8-v12-vantage-valvetronic-exhaust-stainless/ |
| **Aston Martin V8 Vantage: I'm looking to bypass the secondary cats and add an x-pipe but not sure if you offer a secondary cat section x-pipe for my car?** | We have both straight, and x-pipe secondary delete options for the 2011-on cars: https://www.velocityap.com/product/aston-martin-v8-vantage-decat-catalyst-replacement-my2011-on-exhaust/ The x-pipe changes the tone but functionally makes the car sound quieter so it offsets a lot of the volume increase of deleting the secondaries. |
| **I'm looking to bypass the secondary cats and add an x-pipe but not sure if you offer a secondary cat section x-pipe for my car and if that would change the exhaust the same as having the secondary cat delete pipes and center section x-pipe.** | We have both straight, and x-pipe secondary delete options for the 2011-on cars: https://www.velocityap.com/product/aston-martin-v8-vantage-decat-catalyst-replacement-my2011-on-exhaust/<br><br>The x-pipe changes the tone but functionally makes the car sound quieter so it offsets a lot of the volume increase of deleting the secondaries. |
| **What are the most popular / best sounding exhaust mods that your customers make on their V8 Vantages?** | Power Pack first & Foremost. Biggest sound & performance increase. The ultimate setup is this + valved back box |

Social Media:




- **I watched a video on Instagram by Persion.Stig or Supercar Ron, what exhaust are they running?**
  - Persian.Stig = V12 Power Pack with 200 Cel Cats + SuperSport Exhaust Back
  - Supercar Ron = V12 Power Pack with200 Cel Cats + Valvetronic Exhaust Back

**Thank you for your purchase. Tag us in any of your photos or videos once installed.**