



STāSIS – 2014 R8 V10 Exhaust



General Description

The STāSIS R8 V10 exhaust is a CNC mandrel bent T304 stainless steel cat-back system that bolts directly to your R8 V10 and features two V-Band connections, two integrated resonance-cancelling mufflers, two sport mode vacuum valves and two 3" exhaust tips. The entire exhaust system is individually TIG welded by hand, ensuring the highest possible build quality and control. The exhaust design and T304 stainless steel material make the dual muffler STāSIS system lighter than the single muffler factory system.

In addition to reducing the weight of the vehicle, the STāSIS exhaust increases horsepower and torque output by incorporating specially designed mufflers to reduce exhaust backpressure and increase exhaust flow, all while maintaining a signature, aggressive sound in the higher RPM range and a mild, non-invasive sound under normal driving engine loads. This means that you get more power and a better sound from your V10 R8 without sacrificing any luxury or comfort that defines the Audi brand.

System Contents

- (1) STāSIS R8 V10 cat-back exhaust system
- (2) Replacement vacuum lines
- (2) High temperature protective heat sheaths
- (4) Tongue and groove ear hose clamps
- (2) Vacuum line routing ties

Supported Audi Vehicles

Model: R8
Engine: V10
Model Years: 2014 -

STāSIS®

Features

- OE quality construction and fitment
 - T304 Stainless Steel is used to construct each exhaust system, giving the STāSIS system excellent corrosion resistance and weight properties when compared to other stainless steel alternatives while maintaining a lustrous, polished final product.
 - Each system is individually TIG welded by hand for proper heat control and joint creation on every part of the exhaust.
 - The STāSIS exhaust terminates into dual 3" tip sections that are centered within the factory bumper cutouts; to retain the OE R8 appearance.
 - Vacuum actuated valves are located on each exit tube and connected to the factory vacuum plumbing to give a richer and more aggressive tone at higher RPM ranges when sport mode is active.
 - OE 3" V-band connections are used to connect the STāSIS exhaust to the factory mid-pipes and all factory exhaust hangers are used to support the STāSIS exhaust for complete OE fitment.
 - OE heat shields are retained to prevent any additional thermal energy from entering the surrounding engine environment.



- Increased horsepower and torque output
 - The STāSIS exhaust system utilizes two free-flowing mufflers to replace the OE single muffler. These mufflers have increased internal tubing diameters (relative to the OE system) and reduce the backpressure seen by the engine by providing a free-flowing routing configuration, compared to the OE muffler.
 - Exhaust scavenging is employed in the STāSIS exhaust. This technique increases power by utilizing a "crossover" routing configuration. By isolating each engine bank's exhaust flow and introducing both at a crossover joint, vacuum is temporarily created and exhaust backpressure is temporarily reduced to a negative level, thereby increasing power gains.



- The ability to test the exhaust using our dynamometer allows our engineers to optimize the exhaust gains and refine the system. This means that every additional horsepower and pound-foot of torque is found and extracted.
- Designed using the latest design and sound analysis software
 - The STāSIS exhaust is designed using the latest 3D CMM and CAD hardware and software. This means that the prototype system and surrounding engine constraints are developed digitally to guarantee the production system has OE level fitment.
 - Sound analysis software is used to quantify the use of active/passive resonators and Helmholtz resonance chambers within the exhaust. This allows our engineers to tune the V10-specific sound output, eliminating intrusive cabin sound during low-torque, daily driving scenarios while maximizing deep, rich sound output during high-torque and wide-open-throttle situations.
- Tried and tested reliability
 - The STāSIS R8 V10 exhaust system has been extensively tested to simulate a wide range of driving scenarios. The system has been tested and evaluated in scenarios ranging from city-street commuting to full track days. This allows our engineers to verify external and internal system construction and eliminate any potential hardware problems.
 - STāSIS Revo Group has hardware on thousands of vehicles and has been an innovative hardware developer in the aftermarket business for over ten years, so you know that the hardware has been built on tried and true basics and refined by the best developers in the industry.