



B7 A4 MT6 (Manual 6 speed transmission) 2.0 Turbo Exhaust White Paper

The STaSIS A4 MT6 Exhaust System replaces the OEM muffler and exhaust system assembly located behind the catalytic converter to the rear of the car. The system was designed to specifically fit the following model of car-

Model	A4
Engine	2.0 TFSI
Transmission	MT 6 speed
Drive Train	Quattro
Appl. Years	2005.5-2008

- This system incorporates a large diameter downpipe optimally sized to match the engine's performance capabilities.
- This system also uses a unique middle pipe design which is designed to cancel out resonant frequencies and add performance. The middle pipe incorporates two divorced runners which converge at the downpipe. There is a mixing chamber at this junction to assist in performance and sound.
- The STaSIS exhaust system is a direct bolt-in replacement, no welding or fabrication is required. All pipes on the STaSIS exhaust system are made of T-304 Stainless Steel and precisely shaped with a CNC mandrel bender to insure an easy and direct bolt-in replacement. The exhaust is mounted with the existing OEM exhaust hangers by utilizing the stock slip joint connection at the downpipe and flange connections at the mufflers. All required hardware is included.
- The three muffler setup used on the OEM system is replaced with a downpipe / mid-pipe / twin resonator / twin muffler design. Resonators are used as a smaller lightweight alternative to a muffler in order to control exhaust tone and eliminate engine drone at low rpm's.
- STaSIS mufflers incorporate reflective (active) and passive technologies to optimize sound and performance. The oval muffler chambers have been extensively developed and tested to achieve the desired overall exhaust tone while minimizing exhaust back pressure to the engine. The STaSIS resonators and mufflers combine to give an exhaust note which is noticeably deeper and stronger at all throttle applications while maintaining a tone that is not intrusive or "droning" at normal everyday driving speeds.



- The tail pipes use 2 x 89mm (3.5 in) dual wall straight cut tips. The tips incorporate a length adjustable slip joint design to accommodate the many different rear bumper options offered for the A4.
- Exhaust back pressure was minimized over the stock application. This allows the turbo to spool more freely which decreases turbo lag time and increases engine horsepower. Reprogramming of the ECU in conjunction with the exhaust installation will give a bigger increase in horsepower over the stock exhaust due to the better flow characteristics.
- Testing was performed at our facility here at Infineon Raceway, surrounding country roads in Sonoma, and the city streets of San Francisco. Stainless Steel components are designed and proven to perform in corrosive environments (salted roads and ocean-side communities).

Performance and Specification Comparison Chart

	OEM Audi A4 2.0 TFSI	STaSIS
Peak Horsepower	200	215
Peak Horsepower w GIAC Chip	225	245
Pipe Diameter – Downpipe	55mm (2.0")	63.5mm/76mm (2.5"/3")
Pipe Diameter- Mid-Pipe to Muffler	50 mm (2.0")	57 mm (2.25")
Complete Assembly Weight	27 kg (60 lbs)	25 kg (55 lbs)