

Vehicle Technical Specification

Vehicle: AUDI S4

Class: GTS



DRAFT VTS Approved for Racing

Vehicle Manufacturer: AUDI

Year and Model: 2010-2012 S4

This draft of the listed vehicle's VTS is posted with the specifications that we currently have for the vehicle. If a specification is highlighted in green, we are waiting to acquire that information from the manufacturer, or from certified documentation provided by the team(s). If a specification is highlighted in yellow, that specification is under review and may not be set until all blanks in the VTS sheet are completed. The specifications that are listed, and not highlighted, are considered to be a work in progress and may be changed without being posted by technical bulletin. Therefore, competitors may use the specifications listed to begin preparing their vehicles. The missing specifications will be added as they are received.

When a vehicle is in this draft form, it will be permitted to compete in any World Challenge competitions. Once the World Challenge Technical Staff has determined that this specific vehicle has demonstrated reasonable performance in relationship to other cars competing in the series and all specifications have been obtained, then this VTS sheet will be removed from DRAFT status and transformed into a final VTS. From that time forward, all changes to the VTS will be subject to VTS change request approvals.

Competitors needing a specification that is not listed should contact the World Challenge Technical Department to find out when that specification will be available and should not make assumptions as to what these specs might be unless otherwise directed to do so by the World Challenge Technical Department.

SCCA Pro Technical Department

E-Mail: tech@sccapro.com
Phone: (785) 357-7223
Fax: (785) 233-7223
Packages: 6700 SW Topeka
Blvd.
Building 300
Topeka, KS 66619

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APR SC Pulley #Z1000672, APR Intake #CL100025, APR CPS System #MS100029

3. Drivetrain

3.A. Transmission

3.A.1. Number of Forward Speeds: _____ 3.A.2. Manufacturer: _____
3.A.3. Gear Ratios: 3.A.3.a. 1st: _____ 3.A.3.b. 2nd: _____ 3.A.3.c. 3rd: _____
3.A.3.d. 4th: _____ 3.A.3.e. 5th: _____ 3.A.3.f. 6th: _____
3.A.4. Gear Shift Pattern: _____ 3.A.5. Gear Engagement: _____

3.B. All Wheel Drive System

3.B.1. Transfer Case Manufacturer and Model: _____ NA (Integral)
No.: _____
3.B.2. Center Differential Type and Manufacturer: _____ Audi

3.C. Final Drive

3.C.1. Axle Ratio: _____ 3.70/1

3.D. Drivetrain Miscellaneous

4. Suspension

4.A. Suspension Type: 4.A.1. Front: _____ 4.A.1. Rear: _____

4.B. Suspension Miscellaneous

. APR Motorsport Front Upper Control Arm Kit #MSB81125

5. Chassis

5.A. See Technical Department for information

5.B. Chassis Miscellaneous

6. Body

6.A.1. Stock Coefficient of Drag: _____ 6.A.2. Total Frontal Area: _____
6.B. Maximum Body Overhang: _____ 2.B.1. Front: _____ 2.B.2. Rear: _____
6.C. Stock Body Materials: _____
6.D. Maximum Body Width at Front Wheelhouse: _____
6.E. Maximum Body Width at Rear Wheelhouse: _____
6.F. Permitted Rear Wing Design: _____

6.F. Body Miscellaneous:

APR Carbon Hood #MSB86652, APR Carbon Decklid #MSB89986

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Camshaft Profile

SCCA Profile Number: _____

Vehicle: _____

Intake Lobe

Cam Lift (in)

0.010 in
0.020
0.030
0.040
0.050
0.060
0.070
0.080
0.090
0.100
0.150
0.200
0.250
0.300
0.350
0.400
0.450
0.500

Maximum Lift: _____

Exhaust Lobe

Cam Lift (in)

0.010 in
0.020
0.030
0.040
0.050
0.060
0.070
0.080
0.090
0.100
0.150
0.200
0.250
0.300
0.350
0.400
0.450
0.500

Maximum Lift: _____

Permitted Cam Tolerances

Camshafts used for this car must meet the specifications above within the following tolerances:

Duration at the seat	(From 0.020" lift to 0.030" lift)	+/- 6.5 degrees
Duration on flank	(From 0.100" lift to 0.100" before maximum lift)	+/- 4.0 degrees
Duration over nose	(From 0.100" before maximum lift up to maximum lift)	+/- 6.0 degrees
Maximum Lift	(This tolerance applies to maximum lift only)	+/- 0.005 in (0.127 mm)

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