



COMPETITION SPECIFICATION SHEET 4/29/2005

Manufacturer: Audi
Model: A4 1.8t Quattro
Applicable Years: 1997 - 1999

This specification sheet was developed by the U.S. touring Car Championship and will be used both by the series technical administrator to establish technical compliance and by applicable series administrators to maintain performance parity and equal competition amongst the USTCC competitors. In addition to this CSS the technical administrator may also use, but is not limited to also using the following items to check compliance: Electronic Parts Catalogs, Technical Information Systems, and the FIA/ASN Homologation forms, or equivalent documentation.

The specifications within this form include all modifications that have been approved by USTCC specifically for the vehicle model(s) and year(s) listed on this page. The parts, specifications and assemblies used shall be those for the unmodified stock vehicle, those permitted within the NASA regulations and or within this CSS. If the stock parts, specifications, and/or assemblies exceed the performance potential of those approved within this form, then the parts, specifications, and/or assemblies used shall meet those listed within this form.

The Competition Specification Sheet is a permissive document. The exact configuration of any modification allowed within this CSS is subject to the approval of the technical administrator.

1. GENERAL VEHICLE DESCRIPTION

Body Type (sedan, coupe, hatchback):	Sedan
Engine location (front, mid, rear):	Front
Drive Type (front, rear, AWD):	AWD
Wheelbase (cm)	102.6
Induction Type:	Turbocharged
Minimum Weight:	2680lbs

2. ENGINE

OEM Engine Code Designation:	AEB
Number of Cylinders:	4
Maximum Displacement (cc):	1798
Rev limit req'd?:	yes / 8500 rpm
Compression ratio:	9.5
Piston Stroke (mm):	86.4mm
Restrictors Req'd?:	no
Cylinder Block Part # (stock):	058103101H
Cylinder Block Bore (mm):	81mm
Cylinder Head Part # (stock):	AEB (stamped on ID plate)
Intake Valve Head Diameter (mm):	xx.x / xx.x stock / allowed

Exhaust Valve Head Diameter (mm):	xx.x / xx.x	stock / allowed
Intake Port Dimensions at Manifold Face:	Height: xx.xmm	Width: xx.xmm
Intake Port Work Allowed? (Yes/No)	no	
Exhaust Port Dimensions at Manifold Face:	Height: xx.xmm	Width: xx.xmm
Connecting Rod Length (centerlines, mm):	xxx.x	
Reciprocating Assembly (grams):	xxx	
Aftermarket Rods Allowed?:	no	
Aftermarket Pistons Allowed?:	no	
Camshaft Rocker Arm Ratio:	none	
Type of Cam Follower (roller, solid, etc.)	hydraulic	
Camshaft Max Lift:	8.9mm (in) 10.5mm (ex)	
Crankshaft Part Number (stock/alternate):	026105101R	
Crankshaft Mass (kg):	xx.x	
Flywheel Mass (kg):	xx.x / open	
Ring Gear Diameter (mm):	xxx /	
Intake Manifold Part # (stock):	058133201C	
Int. Manifold Port Size @ Head Face:	Height: xx.xmm	Width: xx.xmm (stock)
Allow Port Match to Head?	no	Depth: xxmm
Throttle Body Bore Diameter (mm):	xx	
# of Throttle Bodies:	1	
Intermediate Port Matching Allowed?:	N/A	
Turbocharger Manufacturer and Model:	KKK K03	
Alternate Turbocharger Allowed?:	KKK K04	
Number of Turbo Compressors:	1	
Compressor Inlet Diameter (mm):	43mm / 50mm stock / allowed	
Maximum Boost Pressure (psi):	24psi (allowed tolerance of + 0.xx psi)	
Turbo Intercooler Part # (stock):	xxx	
Turbo Intercooler Dimensions (mm):	xxx X xxx	
Engine Miscellaneous: Alternate Camshafts Allowed - Revolver Cams P/N:	rev.058.248/258	
Aftermarket intake hose kit allowed (P/N: TBD)		

3. DRIVETRAIN

Transmission Part # (stock)	xxx
Number of Forward Speeds:	5
Alternate Transmission Allowed?:	yes, no
Alternate Transmission Part #:	xxx
Gear Ratios (stock / allowed):	
1 st :	3.778:1
2 nd :	2.176:1
3 rd :	1:429:1
4 th :	1:029:1
5 th :	0.838:1
Final Drive Ratio (stock / allowed):	3.889 / 4.11:1 / open
Drivetrain Miscellaneous:	

4. SUSPENSION, CHASSIS, BODY

Front Suspension Type:	Multilink
Rear Suspension Type:	Multilink
Suspension, Chassis, Body Miscellaneous:	