



## COMPETITION SPECIFICATION SHEET 5/23/2005

Manufacturer: Toyota  
Model: Celica GTS  
Applicable Years: 2000-05

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):	hatchback
Engine location (front, mid, rear):	front
Drive Type (front, rear, AWD):	fwd
Wheelbase (cm)	102.4
Induction Type:	supercharged
Minimum Weight:	2650lbs

### 2. ENGINE

OEM Engine Code Designation:	
Number of Cylinders:	4
Maximum Displacement (cc):	1796
Rev limit req'd?:	no
Compression ratio:	8.7:1
Piston Stroke (mm):	85.0 mm
Restrictors Req'd?:	no
Cylinder Block Part # (stock):	<u>stock</u>
Cylinder Block Bore (mm):	82.0 mm
Cylinder Head Part # (stock):	<u>stock</u>
Intake Valve Head Diameter (mm):	<u>stock</u>
Exhaust Valve Head Diameter (mm):	<u>stock</u>

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):	stock
Reciprocating Assembly (grams):	stock
Aftermarket Rods Allowed?:	no
Aftermarket Pistons Allowed?:	no
Camshaft Rocker Arm Ratio:	x.x:1 <u>stock</u>
Type of Cam Follower (roller, solid, etc.)	<u>stock</u>
Camshaft Max Lift at Cam Lobe:	0.xxx <u>stock</u>
Crankshaft Part Number (stock):	xxx <u>stock</u>
Crankshaft Mass (kg):	xx.x <u>stock</u>
Flywheel Mass (kg):	xx.x / open
Ring Gear Diameter (mm):	xxx <u>stock</u>
Intake Manifold Part # (stock):	custom
Int. Manifold Port Size @ Head Face:	Height: xx.xmm Width: xx.xmm (stock)
Allow Port Match to Head?	no
Throttle Body Bore Diameter (mm):	<u>stock</u>
# of Throttle Bodies:	1
Intermediate Port Matching Allowed?:	no
Supercharger Manufacturer and Model:	Magnuson MP 62 Dimensions 251.46 mm x 171.45 mm
Alternate Turbocharger Allowed?:	n/a
Number of Compressors:	One
Compressor Inlet Diameter (mm):	xx.x X xx.x
Maximum Boost Pressure (psi):	9 psi.
Turbo Intercooler Part # (stock):	Magnuson
Turbo Intercooler Dimensions (mm):	xxx X xxx
Engine Miscellaneous:	Aftermarket ECU/Ignition Permitted

### **3. DRIVETRAIN**

Transmission Part # (stock)	stock
Number of Forward Speeds:	6
Alternate Transmission Allowed?:	no
Alternate Transmission Part #:	xxx
Gear Ratios (stock / allowed):	
1 <sup>st</sup> .	stock
2 <sup>nd</sup> .	stock
3 <sup>rd</sup> .	stock
4 <sup>th</sup> .	stock
5 <sup>th</sup> .	stock
6 <sup>th</sup> .	stock
Final Drive Ratio (stock / allowed):	stock
Drivetrain Miscellaneous:	

### **4. SUSPENSION, CHASSIS, BODY**

Front Suspension Type:	struts
Rear Suspension Type:	multi-link
Suspension, Chassis, Body Miscellaneous:	