



COMPETITION SPECIFICATION SHEET 4/29/2005

Manufacturer: ACURA/HONDA
Model: Civic/Integra B18 - Type R
Applicable Years: 1992-2000

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, Coupe, or Hatchback
Engine location (front, mid, rear): Front
Drive Type (front, rear, AWD): Front
Wheelbase (cm) 262.12 (EK); 256.28/251.20 (EG coupe/hatch)
Induction Type: Naturally Aspirated
Minimum Weight: 2200lbs @ 11.5:1 max comp
2350lbs @ 12:5:1 max comp

2. ENGINE

OEM Engine Code Designation: B18C
Number of Cylinders: 4
Maximum Displacement (cc): 1797
Rev limit Req'd?: no
Compression ratio: see weights
Piston Stroke (mm): 87.2
Restrictors Req'd?: no
Cylinder Block Part # (stock): 13310-P73-J00
Cylinder Block Bore (mm): 81.0
Cylinder Head Part # (stock): 12100-P73-J00
Intake Valve Head Diameter (mm): 31.1

Exhaust Valve Head Diameter (mm):	28.1
Intake Port Dimensions at Manifold Face:	Height: 30.0mm Width: 53.0mm
Intake Port Work Allowed? (Yes/No)	yes
Exhaust Port Dimensions at Manifold Face:	Height: 31.2mm Width: 44.4mm
Exhaust Port Work Allowed? (Yes/No)	yes
Connecting Rod Length (centerlines, mm):	137.9
Reciprocating Assembly (grams):	971/ (950 gram min)
Aftermarket Rods Allowed?:	yes (must be OEM length)
Alternate Pistons Allowed?:	yes
Camshaft Rocker Arm Ratio:	1.0:1
Type of Cam Follower (roller, solid, etc.)	flat/solid
Camshaft Max Lift at Cam Lobe:	0.492" (12.5mm)
Crankshaft Part Number (stock):	95266
Crankshaft Mass (kg):	15.5
Flywheel Mass (kg):	6.342 / open stock / allowed
Ring Gear Diameter (mm):	290
Intake Manifold Part # (stock):	xxx
Int. Manifold Port Size @ Head Face:	Height: 33.4mm Width: 52.4mm (stock)
Allow Port Match to Head?	yes Depth: any
Throttle Body Bore Diameter (mm):	62 / any stock / allowed
# of Throttle Bodies:	1
Intermediate Port Matching Allowed?:	N/A
Turbocharger Manufacturer and Model:	N/A
Alternate Turbocharger Allowed?:	N/A
Number of Turbo Compressors:	N/A
Compressor Inlet Diameter (mm):	N/A
Maximum Boost Pressure (psi):	N/A
Turbo Intercooler Part # (stock):	N/A
Turbo Intercooler Dimensions (mm):	N/A

Engine Miscellaneous: Any combination of parts may be used to create a 1.8L Type R engine. Heads ok for port/polish. Cam gears allowed. Alternate piston/rod/pin/ring minimum weight (950 grams).

3. DRIVETRAIN

Transmission Part # (stock)	QKE2JK (Engine codes Y21, S21, Y80, S80)
Number of Forward Speeds:	5
Alternate Transmission Allowed?:	see below
Alternate Transmission Part #:	n/a
Gear Ratios (stock / allowed):	
1 st :	3.230 / x.xxx
2 nd :	2.105/ (1.900 on non-Type R)
3 rd :	1.458 / (1.360, 1.269 on non-Type R)
4 th :	1.107 / (1.034, 0.966 also stock)
5 th :	0.848 / (0.784, 0.714 also stock)
6 th :	N/A
Final Drive Ratio (stock / allowed):	4.400 / open
Drive Train Miscellaneous:	

4. SUSPENSION, CHASSIS, BODY

Front Suspension Type:	Double A-arm
Rear Suspension Type:	Multi
Suspension, Chassis, Body Miscellaneous:	This is the last year the 1992-1993 Integra chassis will be eligible.