



Race Prep Inspection Check List

Note: The importance of accountability cannot be overstressed as these vehicles are used in a competition environment where very high speeds are common place, the smallest component failure can potentially have a tragic consequence. Therefore attention to detail is the greatest asset we possess when completing this check list. If there are any questions please see Sean or Craig.

Note existing status of:

	Comments, Initial when complete.	Technician
Full Throttle		
Corner Freeplay		
Brake Pads		
Brake Fluid Level		
Fuel Level		
Coolant Level		
Oil Level		
Trans. Oil Level		
Rear Diff. Oil Level		

Nut & Bolt Inspection: Check the Proper Torque of Related Fasteners.

Suspension		
Steering		
Engine		
Transmission		
Driveline		
Chassis		

Crack Inspection: Chassis, Suspension, Engine, Headers, Bellhousing, Transmission, Wheels, Rotors, Air Ducts.

Inspect Vehicle		
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Brake & Clutch System: Check for Leaks, Unsecured or Frayed lines.

Lines & Unions		
Clutch Freeplay		

Electrical & Plumbing: Inspect for Rubbing and Fraying of Wires, Unsecured Hose Clamps, Pin Holes and Leaks.

Electrical Connections		
Engine Belts		
Hoses and Clamps		
Throttle Cable & Linkage		
Pressure Test Cooling System & Cap		
Test Starter Draw		
Test Alternator Output		
Inspect Fire Extinguisher		

Wheels & Bodywork: Torque Wheels to 90 lb-ft, Note any Damage Areas Needing Repair.

Clean & Mount Wheels		
Inspect Exterior Panels		
Inspect Front Facisa		
Inspect Rear Facisa		

Scan For Trouble Codes:

Check TPS Sensor		
Check MAP Sensor		
Check MAF Sensor		



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Race Prep Torque Values List

Use a Torque wrench to check the highlighted items. Use a wrench for all others.

1996-2004 Mustang

Front of Vehicle	Torque (lb-ft)	Technician
front wheels	90	
front caliper anchor plate bolts	85	
front caliper bolts	23	
tie rod jam nut	41	
toe link jam nut	41	
steering shaft pinch bolt	25	
front camber plate nuts	30	
front camber plate bolt	30	
front shock upper nut	74	
front shock to spindle nut	148	
front shock upper mount	30	
wheel bearing retainer nut	258	
sway-bar bracket nuts	52	
sway bar link nuts	14	
ball joint	129	
control arm pivots	148	
rack to K member	52	
Rear of Vehicle		
rear wheels	90	
rear caliper anchor plate bolts	76	
rear caliper bolts	25	
rear shock upper nut	30	
rear shock lower bolt	59	
driveshaft	83	
subframe bolts 18mm hex head	85	
subframe bolts 15mm hex head	66	
Solid Axle Specific		
upper control arm to frame	66	
upper control arm to axle	66	
lower control arm to body	111	
lower control arm to axle	111	
Cobra IRS Specific		
IRS subframe to body bolts	76	
IRS subframe to rear brackets	76	
IRS brackets to body	59	
IRS upper arm to subframe	66	
IRS upper arm to knuckle	66	
IRS lower arm to subframe	184	
IRS lower arm to knuckle	85	
IRS rear halfshaft nut	240	