

Factory Five Racing Challenge Series Dyno Test Data and Vehicle Specification Sheet

Owner: _____ Class: FFR / FFR2 Car#: _____ NASA Log Book # _____
(circle one)

Items to be certified:

1. Ignition Timing: _____ deg. adv. @ Idle RPM: _____ with spout removed.

2. Fuel Pressure: _____ psi.

3. Performance Modifications:

_____ None (skip to #4)

_____ Complete Trick Flow Upgrade (TFS-XXXXXXXX) (skip to #4)

_____ Partial Upgrade (check all that apply)

OEM Parts	<input checked="" type="checkbox"/>	Allowed OEM Alternatives	<input checked="" type="checkbox"/>	TFS Kit Individual Parts
Mass Air Meter	<input checked="" type="checkbox"/>	-----		SUM-29051B
Throttle Body	<input checked="" type="checkbox"/>	-----		TFS- 24570
Upper/Lower Intake Manifold	<input checked="" type="checkbox"/>	-----		TFS- 51500003
Cylinder Heads	<input checked="" type="checkbox"/>	-----		TFS- 51400004
Camshaft		Melling SYB-51		TFS- 51403001
Rocker Arms		1.7 Ratio Roller Rocker*		TFS- 51400510
Pushrods	<input checked="" type="checkbox"/>	-----		TFS- 21406700
19lb Fuel Injectors	<input checked="" type="checkbox"/>	-----		TFS- 89024
*1.7 ratio roller rockers are only allowed on OEM iron cylinder heads. Brand/Part#/Ratio _____				

4. Altitude of dyno shop: _____ ft

5. Dynojet set to correct to SAE J1349, smoothing 5 ____ Yes

6. Engine in normal operating temperature range 180-210 degrees ____ Yes

7. Rear tire pressure set at or above 28psi for certification pull ____ Yes

8. Peak Readings: _____ HP _____ Torque

Owner's Signature Date

Dyno Operator's signature Date

Name

FFR Dynamometer Inspection Procedures

1. Only perform dyno runs on DynoJet brand dynamometers
2. All dyno readings must be corrected to SAE J1349 Rev JUN90 (29.23 in/hg, 77F, zero humidity) and the dyno's smoothing function must be set to 5
3. Car must be in "ready to race" configuration with regards to engine and drivetrain. All engine components that are not stock (roller rockers, adjustable fuel pressure regulator) and/or are adjustable and affect power (fuel pressure, timing, etc.) must be written down in section 1-3 of the inspection sheet.
4. All certification and inspection pulls will be completed with the hood removed.
5. Rear tire pressure must be set at or above 28psi for all certification pulls.
6. Altitude of the dyno shop must be recorded. **Dyno runs made at locations with elevation greater than 1,500 feet higher than the track will not count as being valid at that track.**
7. Starting RPM shall be no higher than 2000. Ending RPM shall be no lower than 6000.
8. The highest peak horsepower and torque of any run in the noted final configuration will be recorded on the inspection sheet.
9. These horsepower and torque numbers are what must be used to determine the vehicle's required minimum weight.