

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

Owner: \_\_\_\_\_ Car#: \_\_\_\_\_ NASA Log Book # \_\_\_\_\_

Items to be certified:

1. Ignition Timing: \_\_\_\_\_ deg. adv. @ idle with spout removed.

Idle RPM: \_\_\_\_\_

2. Fuel Pressure: \_\_\_\_\_ psi.

3. Performance Modifications:

\_\_\_\_\_ None

\_\_\_\_\_ Adjustable Fuel Pressure Regulator

\_\_\_\_\_ Roller Rockers

Brand/Part Number/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. 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. 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.**
6. Starting RPM shall be no higher than 2000. Ending RPM shall be no lower than 5500.
7. The highest peak horsepower and torque of any run in the noted final configuration will be recorded on the inspection sheet.
8. These horsepower and torque numbers are what must be used to determine the vehicle's required minimum weight.