

International Dyno Authority

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PRE-DYNO TESTING 10-POINT INSPECTION CHECKLIST:

Exhaust system

Exhaust leaks can result in inconsistent tuning, and compromised components can come apart during the rigors of the roller dyno. Repair or replace any problem components - including loose or missing hangers.

Drivetrain

Is your drivetrain in good condition? Inspect your wheel bearings, driveshaft, suspension, U-joints, and CV-boots for signs of wear or deterioration.

Tires

Ensure that your tires are properly inflated. If you are planning on changing rim sizes, you will get a more accurate tune if you do so before the testing.

Sensors

Are any sensors faulty or not working? If yes, replace them in advance of the test. If your check engine light is staying, we can usually identify the problem through your ECU; however, certain issues may affect the consistency of your tune.

Cooling system

Ensure your hoses are not showing signs of deterioration, that all hose clamps are tight, and that radiator fans are working. Dyno testing places a heavy load on your engine and it will get hot. If your radiator fans are manually operated, be sure to tell the dyno operator in advance.

O2 Bung

Is your O2 bung accessible? If it is, ensure that it is not seized and the threads are not damaged so we can easily access and install our O2 sensor.

Previous tuning

If your vehicle has been previously tuned, bring a copy of the Base File that is in the ECU, and ensure the computer is not locked. Re-mapping the entire engine from scratch can be more expensive than tuning or editing the existing map.

Electrical wiring

Ensure that your wiring is properly grounded and protected. Dyno testing and premium tuning of vehicles goes smoother and quicker when all wiring is neat, tidy, properly grounded and protected from heat.

Fuel tank

Make sure your tank is at least half-full. For a consistent tune, fill up with the same octane fuel you routinely use.

Fluid levels

Check your engine oil, coolant, transmission oil, and gear lubricant levels. If there are any fluid leaks repair them in advance. We do not allow vehicles with fluid leaks into our shop.