

# InterCharger™ Third Party Verification



VEHICLE: Nissan 240sx with and without the InterCharger™. ENGINE: 2.0L Turbo Intercooled, twin cam, 4 cylinder.

TEST DESCRIPTION: The first test was done with the crankcase vent tube running to the air intake with a link in the line without the InterCharger. The second test was done 20 minutes later, same boost, same water temperature, adding an InterCharger model FCS-R-V put in the line where the link to the air intake was located.

RESULTS: The Blue lines are the first test without the Intercharger. One Blue line indicates torque in foot pounds. The other Blue line (the one that is higher at higher RPM) indicates the Horsepower curve.

The Red lines are the second test with the Intercharger. One Red line indicates torque in foot pounds. The other Red line indicates the Horse Power curve.

Statistical significance can clearly be seen that on the second test (with the InterCharger) both Horsepower and torque were increased across all levels of RPM. Peak torque was increased by almost 5 foot pounds to the rear wheel. Peak Horsepower was increased by 12.5HP to the rear wheel. In addition, at the top end, torque showed an increase of 10 foot pounds to the rear wheels.

Dynamometer operator maintained constants between the two test. A brand new boost controller that was hooked up kept the boost constant within a fraction of a pound. Actually the Intercharger test showed that it achieved greater horsepower with slightly less peak boost. Air temperature, water temperature in the engine, barometric pressure were all nearly identical.

CONCLUSION: 12.5 RWHP and 10 Ft. Lbs. of Torque was achieved by installing the Intercharger™. Signed by: //Matt Cooper//

