

Chassis Dyno Quick-Start Checklist



Step	Action	Location	Purpose
	Preliminary checks	<ul style="list-style-type: none"> Air pressure @ 80–100 psi Tie-down straps Vehicle loading ramp Handheld controller 	Ensure the dynamometer is ready and safe to operate
1	Power on computer system	Power switch on computer	Turns on computer in preparation to load WinDyn software
2	Power on dyno sensor box and eddy current	Sensor box power switch and breakers for EC module	Turns on sensor box and provides voltage to eddy current absorber
3	Load WinDyn software	WinDyn icon on computer screen	Loads the WinDyn software into the sensor box
4	Open desired test group	F2 function key on computer keyboard	Installs the selected files from the computer to the sensor box
5	Check torque and weather conditions	2 key on computer keyboard to select screen 2	<ul style="list-style-type: none"> Verify the torque system is at or near zero Verify weather conditions are current
6	Prepare the vehicle for testing	<ul style="list-style-type: none"> Load vehicle. 1 key on computer keyboard to re-select screen 1 	<ul style="list-style-type: none"> Connect all desired sensors, warm up engine Go back to screen 1 for normal viewing
7	Use Eng_Spd test to assist with selecting an engine speed method	G key on handheld, then A key to select test.	Use ignition, optical, or calculated methods.
8	Perform system setup	S key on computer keyboard to alter setup F2 to activate Setup	<ul style="list-style-type: none"> Set the file storage location (folder) in the computer for data files. Set the name to use for data files; set the beginning sequence number. Enter any test notes to be appended to the data files. Check specifications. Memorize setup for future use.
9	Select test to perform	G key on handheld, then A key to select test.	<ul style="list-style-type: none"> Ramp tests, steady state, roadload, etc. Use ProFilter ONLY IF getting perfect rpm signal.
10	Start test	B key on handheld	<ul style="list-style-type: none"> Begins executing the test profile. Follow prompts on handheld.
11	Perform test	Follow commands on handheld	Perform actions as directed
12	Test complete	Follow commands on handheld displays	<ul style="list-style-type: none"> Repeat test or stop Return throttle to idle
13	Analyze data	View Saved icon on WinDyn Analysis>>Saved toolbar	Select a data file to analyze, print, or plot: 