

Glossary

2 Turns Open All Doors

This unlocks only the driver door when the key UNLOCK button is pushed twice. When this setting is switched OFF, the key UNLOCK button will unlock all the doors.

Accessory Delay

Control how long accessory items will remain on after the engine has been turned off and the doors remain closed. Accessory items include the radio, cigarette lighter, etc.

Adjust Throttle

Adjust the throttle position sensor readings. Typical stock setting for a pedal pressed halfway to the floor is 30%. Change the setting to 50% to provide more room for acceleration (great for racing on a designated racetrack). Change the setting to a value that is smaller than 30% to desensitize the throttle (great for off-road driving).

Adjust Timing

Adjust the timing of your engine from +4 to -8 to increase power or fuel economy according to your vehicle's specifications.

ARB EO

The tune for the vehicle application is exempt in the State of California and can be used legally.

Auto Door Lock

Enable the vehicle to automatically lock all the doors any time it reaches a speed of 15 mph. Once the vehicle comes to a stop, if the driver's door is the first to open, then all other doors will automatically unlock.

Auto Door Unlock

Enable the vehicle to automatically unlock all doors once the vehicle has come to a stop and the shifter is in PARK.

Axle Lockers (2WD and 4WD-Hi)

Easily engage the wheel lockers for off-road traction.

Rubicon Only (Off Road)

Stock Setting: Disable for 4WD Low only up to 25 mph. Choose "disable" to return to the stock setting.

GT Gas Setting: Lock front and rear differentials in 4WD-Low, 4WD-Hi and 2WD. To enable this feature, highlight the enable button and return to the main screen, then press the locker button on the dash (once for front and twice for rear). The front locker will automatically unlock above 20 mph. The rear locker will automatically unlock above 25 mph. Both lockers will automatically reengage (lock) if the system is still activated and the vehicle speed drops below those speeds.

Axle Ratio

Correct the vehicle speedometer (and fuel efficiency calculations) if you have changed the gear ratio on your vehicle.

If no gear ration modifications have been made to the vehicle, then choose the stock setting when the tuner prompts you to choose a gear ratio. This will ensure that no modifications are made to the stock program.

Barometer

Current atmospheric pressure.

Battery Voltage

Current battery voltage.

Boost

Current turbo boost pressure.

Boost Control

Used to enable or disable the use of a specialized data table for turbo/supercharged engines.

(Enabled: Peak torque calculations take effect when the overboost timer has expired. Otherwise it would perform like a regular engine)

Brake Torque Management (BTM)

This will disable the BTM from functioning when the traction control system is switched off.

Coolant Temperature

Current coolant temperature; this information is used for warning level and safety defueling settings.

Daytime Lights

Disable or enable daytime running lights.

Defueling Capabilities

A safety measure included for horsepower tunes, the defueling capabilities will automatically turn off the additional horsepower if particular parameters (like coolant temperatures) reach previously set levels to prevent extreme temperatures and help protect the engine from heat damage.

(This option is only available for diesel vehicles.)

Disable Traction Control

Disable the traction control. Unlike the [DTC] button on the dash, the traction control will stay off until the setting on the GT is changed even if the vehicle is turned off.

Display Ex Off

This changes the brightness when canceling the lights for the indicator light of the combination meter, A/C indicator light and clock.

Display Ex On

This changes the brightness when dimming the indicator light of the combination meter, A/C indicator light and clock.

DTCs (Diagnostic Trouble Codes)

Codes used by vehicle manufacturers to identify problems; this information is gathered by the engine computer and accessible through the vehicle's diagnostic port (OBDII).

ECT Reset

This function is used to delete what the Electronic Controlled Transmission has learned.

Engine Fan

Enable or disable[†] the engine fan regardless of coolant temperature.

(This feature does not take effect until the GT returns to the Main Gauge Screen.)

[†] The coolant temperature light will not indicate if the vehicle begins to overheat when the fan is disabled.

Entry Delay

This will change the Entry Delay Time, or the period before starting the warning, by the Passive Mode.

Fog Light/High Beam

Run the fog lights and the high beams at the same time.



Foot Light

This sets the time the Outer Foot Light is on.

Fuel Dynamics Compensation (FDC)

Used to enable or disable the Fuel Dynamics Compensation algorithms.

Fuel Economy

This option displays a real-time measurement of the vehicle's fuel economy shown in miles per gallon (mpg).

Fuel Flow

This option displays the amount of fuel being used at any given time shown in gallons per hour.

Head Light Delay

Set the amount of time that the head lamps remain on after the engine has been turned off.

Horn Chirp Length

Adjust the length of the horn chirp to either short or long when vehicle is locked using the remote control unit.

Horn Chirp on Lock

The vehicle horn will sound each time the doors are locked by a remote control unit while this feature is enabled.

Headlight Approach Timer

Adjust the length of time the lights remain on when a vehicle is unlocked using the remote control unit.

Idle Adjust

Stock Setting: 700 RPM. Choose "disable" to return to stock setting.

GT Gas Setting: 500-1500 RPM. Enable and select a value for Engine Idle position. This is a great feature for keeping voltage in the vehicle up while running auxiliary

electronics off of the vehicle's power system.

(This feature does not take effect until the GT is at the Main Screen.)

This feature only works in park or neutral. It will automatically turn off as soon as the vehicle is put into gear. It will automatically turn back on the next time the vehicle goes into park or neutral.

Initiate DPF Burn-Off

This feature will send a request to the engine computer to start the desoot process of the diesel particulate filter (DPF).

NOTICE! The DPF Burn-Off should only be used if absolutely necessary. If the diesel particulate filter clogs often on a particular vehicle, there may be an issue with the filter itself which would need to be serviced by an OEM dealer.

Injection Control Pressure

The operating pressure in a fuel rail.

Injector Pulse Width

The time the injector stays open for each injection event; usually displayed in milliseconds (ms).

Intake Temperature

This option shows the intake air temperature.

Air temperature affects combustion temperature and engine performance. Adding a Bully Dog Rapid Flow Induction (RFI) Cold Air Intake will lower this temperature, improve performance, and increase horsepower.

Interior Lighting

This will turn the interior light on when the ignition switch is turned from "ACC" to "LOCK". This will also turn on the interior light, ignition light and step light on when the door is unlocked by the door key cylinder.

Key Reminder Sound

This changes the volume of the key reminder buzzer.

Light Auto OFF

This will light the headlight for a time after the doors are closed with the ignition switch turned ON and the light control switch is at HEAD or AUTO and the headlight is ON.

Light Sensitivity

This adjusts the sensitivity of the lights automatically.

Light Time On

This function changes the time between when the doors are closed and the lights go off when the light control switch is at HEAD or AUTO, and the headlight is on.

Load

This gauge feature displays a measurement of how hard the engine is working; it is shown as a percentage (out of 100%) and is based on original equipment manufacturer (OEM) specifications.

Low-End Power

The ability to accelerate a vehicle at low RPM levels; low-end power is related to the amount of torque created by a vehicle.

Manifold Absolute Pressure

Intake pressure as measured by the manifold absolute pressure (MAP) gauge.

Mass Air Flow

The intake air flow as measured by the mass airflow (MAF) sensor.

MDS (4-Cylinder Mode)

Enabling the Multiple Displacement System (MDS) initiates a fuel saving 4-cylinder engine mode and disables additional engine cylinders.

Oil Temperature

This gauge option shows the engine oil temperature in °F or °C.

Off-Road (85 octane)

Turn down the throttle response so you have more control for bumpy off-road driving.

Jeep Wrangler Only

Open Door Warning

If a door is open when vehicle is being locked by the wireless door lock, a buzzer will sound.

Optical Flash on Lock

The hazard lights will flash each time the doors are locked by a remote control unit when this feature is enabled.

Panic Function

The "ON" setting will enable the Theft Deterrent System by pressing and holding the Panic Button. Use the Lock Button if the Panic Button is unavailable.

Passive Mode

This will set the Theft Deterrent System in 30 seconds after the Driver door is closed and the Key is removed from the Ignition Key Cylinder.

PBD Buzzer

This function will adjust the volume of the buzzer while the PBD operates.



Performance Testing

This feature offers drag racers the ability to complete the ¼ mile and 0-100 KPH performance tests.

You can also download saved test results from a GT or WatchDog to a computer and analyze it using the Bully Dog Performance Testing Software. The software is available by free download from www.bullydog.com.

SPECIAL NOTE: Street racing is illegal and extremely unsafe. The performance testing feature should only be used on a sanctioned ¼ mile drag racing track.

Police Mode

Allows the user to keep the interior and exterior lights off when door is opened and closed.

Power Windows

This makes the driver window (and all windows, depending on vehicle grade) and sunroof close if the driver window control is held closed. If the driver door window control is held open, the driver's door window (and all the windows, depending on vehicle grade) and the sunroof will open.

Pyro

A pyrometer (pyro) measures exhaust gas temperatures (EGTs); which can be used for defuel and warning level settings to help protect the engine from heat damage.

Rev Limiter

Regulate the highest RPM that an engine can reach before the engine is electronically limited.

Increasing the RPM limit is recommended only for racing purposes. One of the most important ways to protect your engine from damage is to keep the RPMs from going too high.

RPM

Revolutions Per Minute: a measurement of engine speed, specifically how many times the crankshaft rotates in one minute.

Seat Belt Chime

Turn off the seat belt reminder chime.

Shift on the Fly

Change tuning level while driving.

Shift Points (Auto Transmission)

Change the RPM level at which your automatic transmission will shift gears when the throttle is wide open.

Smart Unlock Configuration

Change the way your vehicle unlocks when using a remote. Unlock only the driver door with the first button press and unlock the passenger doors by pressing the button again, or unlock all the doors at once.

Speed

This gauge option displays the current vehicle speed.

Monitoring this information can help to ensure that the speed displayed on the GT or WatchDog and the vehicle speedometer match the actual vehicle speed. Other important numbers, like the odometer and fuel efficiency, are based on this information.

Speed Limiter

Change the top speed that the car will reach before the engine automatically limits the power needed to go faster.

Sunroof Operation

This will open the sliding roof if the door switch is held to UNLOCK and the ignition switch is OFF. This will also close the sliding roof if the door switch is held to LOCK and the ignition switch is OFF.

Sunroof Action

This selects the opening direction of the sliding roof when holding the driver side door key unlocked for a certain time when the ignition switch is OFF.

Sway Bar Disconnect (2WD and 4WD-Hi)

Disconnect the front sway bar for better off-road stability.

Rubicon Only

GT Gas Setting: 4WD Low, 4WD-Hi, and 2WD up to 25 mph. To enable this feature, highlight the enable button and return to the main screen, then press the sway bar button on the vehicle dash. At 25 mph and above, the sway bar will automatically reconnect itself as a built in safety feature. If a vehicle returns to a speed lower than 25 mph, the sway bar will automatically disconnect as long as the dash button is still activated.

Stock Setting: Disables the sway bar disconnect option for 4WD Low at low speeds. Choose "disable" on the GT to return to the stock setting.

Switch A/F Sensor Reading

Switch between O2 sensors for correct Air/Fuel Ratio values.

Nissan Vehicles Only

Throttle Position

This gauge option shows the throttle position measurement – it is displayed as the percent open (out of 100%).

This information is used by the Driving Coach to indicate where changes can be made to driving habits to maximize fuel efficiency.

Throttle Sensitivity

Adjust the throttle sensitivity for stock, fuel-saver, performance and extreme modes.

Tire Size

Correct the speedometer if you have changed your tire size from stock.

Timing

This gauge option shows a real-time reading of the timing position as the vehicle is running.

TPMS (Tire Pressure Monitoring System)

Change or disable the Tire Pressure Monitoring System.

Traction Control

This function will disable Traction Control.

Transfer Case Ratio

This function is for users who have physically replaced the Transfer Case. It is only necessary to adjust this when swapping out the Transfer Case for a different Case with a different low range ratio.

Transmission Adaptive Learning

Hold, resume and reset transmission adaptive learning (TAL), which changes the way the automatic transmission in the vehicle shifts based on driving habits.

To pause or stop the TAL process, choose hold.

To continue a paused TAL process, choose resume.

To restart and relearn driving habits, choose reset.

Transmission Shift Points

Change the RPMs at which an automatic transmission will change gears.

Transmission Temperature

This gauge option shows the transmission temperature.

This information is used in defuel settings



to help prevent heat damage to the transmission.

(This gauge option is not available on all vehicles.)

Transmission Tune

Change the shift firmness of an automatic transmission.

Tuning Level(s)

Tuning levels are the different type of engine tunes available on the GT (Gauge Tuner).

GT Diesel: Stock, Tow/Economy, Performance and Extreme

GT Gas: Stock, Regular, Premium and Off Road.

Unlock Driver Door

Use the GT to disable this feature so all of your vehicle doors will unlock with one press of the button on a remote door lock unit.

Vehicle Warnings

GT and WatchDog units can provide an audio and/or visual warning when certain parameters meet a preset level; this can help the driver prevent heat damage to the engine.

Warning Broken Glass

This will turn the Glass Break Sensor ON or OFF.

Warn by Horn

This turns the glass break sensor ON or OFF. It is only functional when the vehicle has a glass break sensor.

Wide Open Throttle Disable (WOT)

Nissan Only

Remove the throttle position governor and use up to 100% of your vehicle throttle before you reach 40 mph.

Warning! Use of this option is at the risk of the vehicle owner. Bully Dog recommends that this feature be used for drag racing purposes only; this should only be used on a designated drag race vehicle on a sanctioned drag racing track. Removing the WOT Disable will place added stress on drive train components. Bully Dog will not be held responsible for damages incurred as a result of the use of this feature.

Wireless Auto Lock Time

This will change the amount of time from unlocking the door(s) with the wireless key to re-locking them automatically.

Wireless Control

This is used to turn the wireless door lock ON or OFF.

Wireless Auto Lock

This automatically locks doors after they are unlocked with the wireless key.

Wireless PBD Operation

This function changes the operation of the PBD by transmitter.

Zero Point Calibration

This function is used to calibrate the Yaw Rate Sensor.

