



BULLY DOG
MAKING EVERY RIDE A BULLY!

gauge **GT** tuner

Gas Part Number: 40410

PRODUCT INFORMATION SHEET
 Special Edition for the Jeep Wrangler 3.8L JKV1.0



Make Your

JEEP JK
ABULLY
 Wrangler
TUNED
 3.8L

GT Gas **Special Edition: Vehicle Break Down**
 Jeep Wrangler 3.8L JK 2007-2010

In this Special Addition Product Info Sheet we are going to show off what the GT Gas can do when installed on the 3.8L Jeep JK. This document includes: dyno charts, special features, the download process and download features. To meet the demands of the Jeep enthusiast we have developed a few features that will make this product a must have for off-roading.



TRIPLE DOG GT Gas

PART# 40410

POWER: 10+ HP/ 20+ LBS. FT.

UPC CODE: 681018404105

PACKAGING WEIGHT: 2 LBS

PACKAGING DIMENSIONS: 12.5" x 12.5" x 4"



BULLY DOG
#1 IN PERFORMANCE



TUNING OPTIONS:

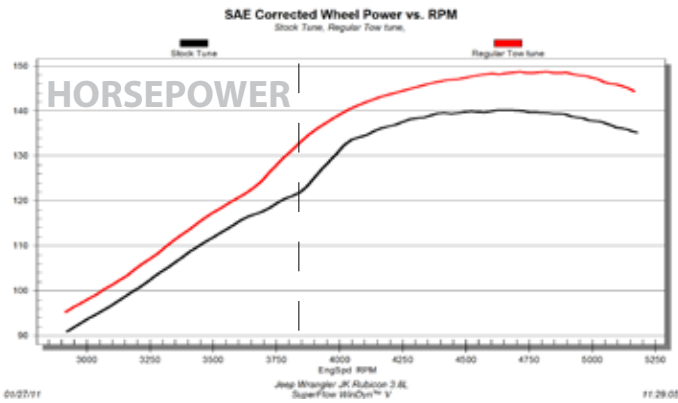
REG/TOW: 11.5 HP, 15.3 TQ, ENGINE FAN TURNS ON HIGH SPEED AT 205° F COOLANT TEMP LEVEL. This tune is great for everyday driving and towing use. This tune is meant for use with regular octane pump gas but any OEM approved fuel will work.

PREM/SPEED: 15+ HP, 20+ TQ, ENGINE FAN TURNS ON HIGH SPEED AT 205° F COOLANT TEMP LEVEL. This tune is meant to maximize your potential horsepower. A minimum of 91 octane gasoline is required to avoid risk of engine damage.

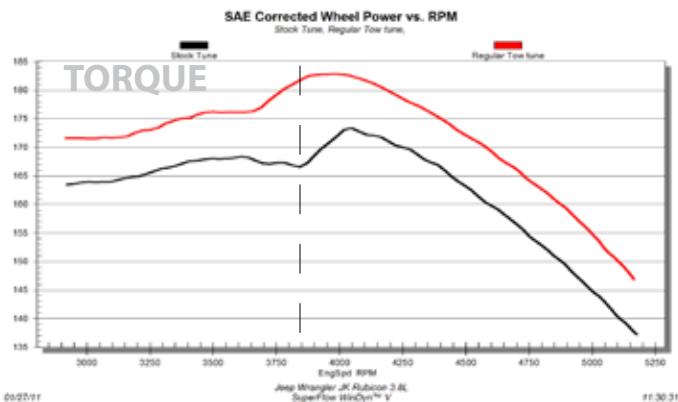
OFF ROAD: 11.5 HP, 15.3 TQ, ENGINE FAN TURNS ON HIGH SPEED AT 200° F COOLANT TEMP LEVEL. The off road tune is very similar to the Reg/ Tow Tune power wise. However, to make the tune more effective off road the throttle sensitivity has been retuned for more control. Our throttle mapping is less sensitive than OEM tuning at lower throttle % engagement to give off-roaders more control over the actual power that they put to the ground.

REGULAR TUNE DYNO CHARTS

This chassis dyno charts posted below represent bone stock compared to our Reg/Tow Tune. The dyno runs were taken back to back on the same day with the vehicle running on 87 octane gasoline. These chassis dyno charts also represent full throttle. Utilizing the Premium Tune with premium tuning could result in significantly higher horsepower output.



GT Gas TQ results		
	Stock (bone stock)	Regular Tune
Peak HP	140.2 @ 4626 rpm	148.7 @ 4713 rpm
Peak to peak HP gain over stock	-N/A-	8.5
HP at largest gain over stock (dotted line)	123.3 @ 3872 rpm	134.8 @ 3879 rpm
Largest HP gain over stock (dotted line)	0.00	11.5



GT Gas TQ results		
	Stock (bone stock)	Regular Tune
Peak TQ	173.4 @ 4048 rpm	182.8 @ 3943 rpm
Peak to peak TQ gain over stock	-N/A-	9.4
TQ at largest gain over stock (dotted line)	166.6 @ 3842 rpm	181.9 @ 3847 rpm
Largest TQ gain over stock (dotted line)	0.00	15.3

SPECIAL FEATURES:

We have packaged some excellent features into the GT Gas that really increase the utility of the Jeep JK beyond what the OEM will let you do. Notice in this section we have posted the OEM levels and then the Bully Dog levels to give you an idea of how our features improve the vehicle and keep it safe for the vehicles longevity. These features can be accessed from the specials functions menu.

ENGINE FAN:

Stock Setting: The engine fan will activate its low speed setting if coolant temp reaches 215° F and its high speed setting will activate at about 225° F. Press disable to return to stock setting.

GT Gas Setting: Enable the Engine Fan feature to run the engine fan in high speed mode at any coolant temperature level. Since it works like an On/Off switch the engine fan will remain on until it is changed back to disable. (This feature does not take effect until the GT is at the Main Gauge Screen.)

IDLE UP:

Stock Setting: 700 RPM. Press disable to return to stock setting.

GT Gas Setting: 500-1500 RPM. Enable and select a value for the Engine Idle position. This is a great feature for keeping voltage in the vehicle up while running auxiliary electronics off of the vehicles power system. Running a winch would be a prime example of when this special feature comes into handy.

(This feature does not take effect until the GT is at the Main Gauge Screen.)
This feature only works in park or neutral and will automatically turn off as soon as the vehicle is put into gear. It will automatically turn back on the next time a vehicle goes into an idle position.

TIRE PRESSURE MONITORING SYSTEM ADJUSTMENT:

Stock Setting: A stock Jeep will have preset value in the ECM of 30-34 PSI depending on the vehicle. The OEM TPMS system will allow for a variation in tire pressure from the stock set level + or - 6 PSI before it throws a light. Press disable to return to stock settings.

GT Gas Setting: change the stock preset value to an number from 10-60 PSI. Once that setting is changed the OEM TPMS system will still allow for the + or - 6 PSI variation so tire pressure could be reduced to as low as 4 PSI. FYI: the sensors in the tires and value on a manual pressure tester will not necessarily match.

DISABLE TRACTION CONTROL (COMPLETELY):

Stock Setting: Enabled. Press enable to return stock setting.

GT Gas Setting: Disabled: Highlight the "disable" button to instantly turn off traction control. (Upon re-enabling traction control to revert back to stock settings the lights may stay on the dash until the key is cycled.)



SPECIAL FEATURES FOR RUBICONS ONLY (OFF ROAD):

Further enhance the utility of the Rubicon edition with these additional special features.

SWAY BAR DISCONNECT:

Stock Setting: Disable for 4WD Low only up to 18 mph. Press disable to return to stock setting.

GT Gas Setting: 4WD Low, 4WD Hi, and 2WD up to 30 mph. To enable highlight the enable button and return to main screen, then press the sway bar button on the vehicle dash. At 30 mph and above the sway bar will automatically reconnect itself as a built in safety feature. If a vehicle returns to a level below 30 mph the sway bar will automatically disconnect as long as on dash button is still activated.



LOCKERS (FRONT AND REAR DIFFERENTIALS):

Stock Setting: Lock front and rear diffs in 4WD Low only. Press disable to return stock setting.

GT Gas Setting: Lock front and rear diffs in 4WD Low, 4WD Hi, and 2WD. To enable highlight the enable button and return to main screen, then press the locker button on the dash once for rear and twice for front and rear. Front locker will automatically unlock above 20 mph, Rear locker will automatically unlock above 30 mph. Both lockers will automatically reengage (lock) if vehicle returns to acceptable speeds and the system is still activated.



OTHER SPECIAL FEATURES NOT RELATED TO OFF ROADING (ALL JEEPS):

Below is a list of features that you will find in your special features menu, but really have nothing to do with off roading. These are all about personalizing.

Accessory Delay:

Set the amount of time that the accessory items in the vehicle will remain on after the engine has been turned off and the doors remain closed. Accessory items include the radio, cigarette lighter, etc. Choose between 0 seconds, 45 seconds, 5 minutes, 10 minutes, 30 minutes, or 60 minutes. If doors are opened then all accessory items will automatically turn off as they do stock.

Head Lamp Delay:

Set the amount of time that the head lamps remain on after the engine has been turned off. Choose between 0 seconds and 80 seconds in 5 second increments.

Horn Chirp on Lock:

Enable this feature to hear a horn chirp each time the doors are locked while using a remote door lock system.

Optical Chirp on Lock:

Enable to see a flash of the hazard lights each time the doors are locked while using a remote door lock system.

Auto Door Lock:

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

Unlock Driver Door:

Enable to unlock driver door with one press of the button on a remote door lock unit, the second press of the button will unlock the rest of the doors. Disable this feature to unlock all of the doors with one press of the button on a remote door lock unit.

DOWNLOAD/ TUNING PROCESS AND FEATURES:

By downloading the Bully Dog tuning software into the vehicle you gain access to horsepower tunes and tuning features over and above the special features that have already been described in this document. Keep reading for a description of download/ tuning process and all of the features.

STEP 1: VEHICLE SELECTION

Do not select the wrong vehicle. If the wrong vehicle is selected, don't panic, go back into the change vehicle menu and select the correct vehicle. The correct vehicle *must* be selected for the install of a download/tune to be successful. To select the correct vehicle enter the change vehicle menu and simply scroll down to the '07-'10 Jeep 3.8L and press the button next to that selection.



STEP 2: INSTALL THE DOWNLOAD

Warning: Do not unplug the GT once the download/tuning process starts, also hook up a battery charger to the vehicle battery for the first install because the vehicle read process can take 35 minutes. Engine read process is only necessary for the initial download, repeat downloads will only take about 10 minutes.

To start the download/tune process go into the main menu and select the Install Download option from the main menu. Once the process is initiated the on screen instructions provide sufficient instruction to make it through the entire process. Follow the on screen instructions and prompts through the install process, read the rest of this document for the important play by play.



ENGINE READ PROCESS: THIS CAN TAKE UP TO 35 MINUTES.

This read process needs to be undertaken on the first download, because the GT needs to save the stock vehicle information. This information is saved so the vehicle can be returned to factory stock conditions at the users convenience. After the read process is complete the downloader will move on to the feature selection and download process.

DOWNLOAD PROCESS AND FEATURES CONTINUED:

Choosing an Engine Tune: There are four different engine tunes to choose from: STOCK (no change in engine tuning), OFF ROAD, REG/TOW, and PREM/SPEED. If the STOCK tune is chosen the other tuning features can still be used.



Tuning Feature #1: Adjust Speed Limiter.

The vehicle speed limiter, or governor, can be adjusted from 45 up to 200 mph.



Tuning Feature #2: Engine Rev Limiter while driving.

The engine is governed to rev up to a peak of 5700 RPMs while driving. The engine rev limiter can be adjust from 5000 rpm to 6200 rpm using the GT.



DOWNLOAD PROCESS AND FEATURES CONTINUED:

Tuning Feature #3: Engine Rev Limiter while at IDLE.

Adjust the idle engine rev limiter, while in neutral or park, from 5000 to 6200.

Tuning Feature #4: Adjust WOT Shift Points. (Automatic Only)

Change shift points at full throttle from 1st to 2nd gear and from 2nd to 3rd up to 6100 rpm.

Tuning Feature #5: Tire Size or Calibrate OEM Speedometer.

Enter in an exact tire size to calibrate the OEM speedometer so it reads correctly. Tire sizes range from 32.2" up to 45".



Downloading the Engine Tune:

Once the power level has been selected and all of the tuning features have been chosen, the GT will begin downloading the engine tuning information into the vehicle PCM.

WARNING: Unplugging the GT during this process will result in failure of the installation, and will require a recovery process. Don't unplug.



The Engine Download/Tuning process is not complete until this screen appears on the GT screen.