CANBUS device reconfigure

Download CoolTerm from here: http://freeware.the-meiers.org/
Use CoolTerm to communicate with the Canbus device via serial port. Go into Options menu, and select a baud rate of 57600. Close Options menu by pressing OK, and then press Connect.

Power up the Canbus device, and you will soon see this message:
CANBUS found.

If you press the enter key, a menu will come up with the assigned defaults. Press the corresponding digit (0-9),Z to make changes.

Version 1.15, Press [#] to modify setting.
[1] Communicate to: OBD1 cable
[2] 98 or 99 Flashable ECU: No
[3] Chrome ECU: No
[4] Car: 3000GT / Stealth / GTO
[5] Boost sensor: None
[6] WBO2 sensor: None
[7] Oil Pressure sensor: None
[8] Fuel Pressure sensor: None
[9] Flex Fuel sensor: None
[0] Oil temperature sensor: CANBUS Sensor Input3
[Z] Zero out Boost pressure sensor when engine is off

Digit 1 options. Choice A is for 94-95 USA, 98-99 USA, and 94-99 Euro ECUs. If your 96-97 USA ECU does not communicate with MUT, then switch to “MUT over OBD2”. If you're communicating with an LCDBC device, make sure your LCDBC is configured for 57600 baud. OBD1 is for 91-93 ECUs.

[A] MUT cable
[B] MUT over OBD2 cable
[C] LCDBC cable
[D] OBD1 cable

Digit 2 options: If you have a flashable ECU, or chrome ECU, ie. 98 or 99 ECU, set this to yes.

[A] Yes
[B] No

Digit 3 options: If you have a chrome ECU, set this to yes.

[A] Yes
[B] No

Digit 4 options: Select which car platform you are using.

[A] 3000GT / Stealth / GTO
[B] DSM

Digit 5 options: Boost sensor options.

[A] None
[B] LCDBC pressure sensor
[C] INPUT 4250AP
[D] INPUT GM 3 BAR sensor
[E] INPUT Omni 4 BAR sensor
[F] INPUT Evo 3.25 BAR sensor
[G] INPUT Greddy 4 BAR sensor
[H] INPUT Generic 3 BAR sensor (0.5v - 4.5v)
[I] INPUT Generic 3.5 BAR sensor (0.5v - 4.5v)
[J] INPUT Generic 5 BAR sensor (0.5v - 4.5v)

Digit 6 options: Wideband O2 sensor options.

[A] None
[B] LCDBC WBO2 input
[C] INPUT WBO2 0.0V=10.0 AFR, 5.0V=20.0 AFR
[D] INPUT WBO2 0.5V=8.5 AFR, 4.5V=18.0 AFR
[E] INPUT WBO2 0.0V=7.3 AFR, 5.0V=22.4 AFR

Digit 7 options: Oil pressure sensor.

[A] None
[B] LCDBC External Sensor 1 (100PSI)
[C] LCDBC External Sensor 2 (100PSI)
[D] LCDBC External Sensor 3 (100PSI)
[E] LCDBC External Sensor 4 (100PSI)
[F] INPUT (100PSI)
[G] LCDBC External Sensor 1 (150PSI)
[H] LCDBC External Sensor 2 (150PSI)
[I] LCDBC External Sensor 3 (150PSI)
[J] LCDBC External Sensor 4 (150PSI)
[K] INPUT (150PSI)

Digit 8 options: Fuel pressure sensor.

[A] None
[B] LCDBC External Sensor 1 (100PSI)
[C] LCDBC External Sensor 2 (100PSI)
[D] LCDBC External Sensor 3 (100PSI)
[E] LCDBC External Sensor 4 (100PSI)
[F] INPUT (100PSI)
[G] LCDBC External Sensor 1 (150PSI)
[H] LCDBC External Sensor 2 (150PSI)
[I] LCDBC External Sensor 3 (150PSI)
[J] LCDBC External Sensor 4 (150PSI)
[K] INPUT (150PSI)

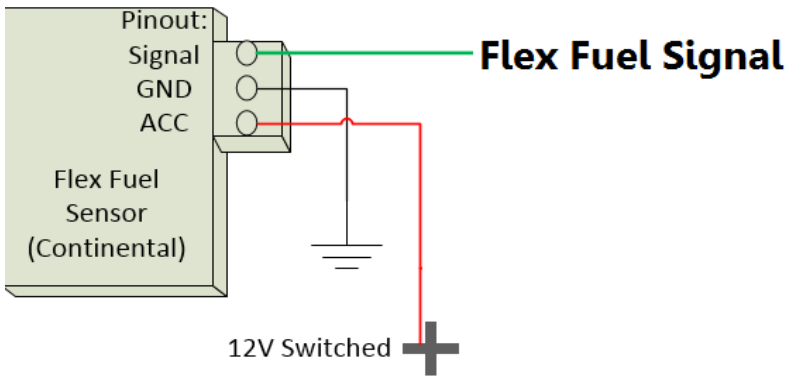
Digit 9 options: Flex fuel sensor.

[A] Enabled
[B] Disabled

CANBUS device wiring

+12 Volt ignition	
Ground	
Flex Fuel PWM	(to LCDBC)
+5V sensor output	
+5V sensor output	
+5V sensor output	
Ground for sensor	
Ground for sensor	
Ground for sensor	
Sensor 1 signal 0-5V	
Wideband O2	
Fuel Pressure sensor	(5V max)
Oil Pressure sensor	(5V max)
Boost Pressure sensor	(5V max)
Continental Flex Fuel Signal	
Sensor 2 signal 0-5V	
Sensor 3 signal 0-5V	

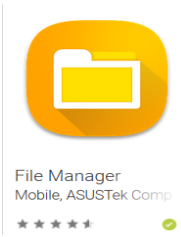
FLEX FUEL SENSOR



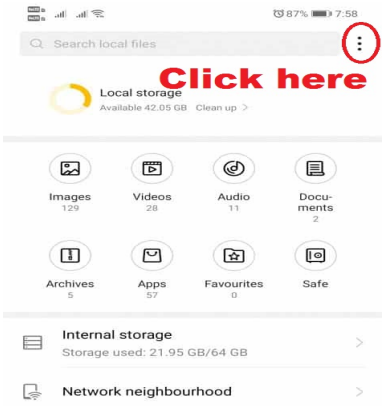
CUSTOM PIDS FOR TORQUE PRO

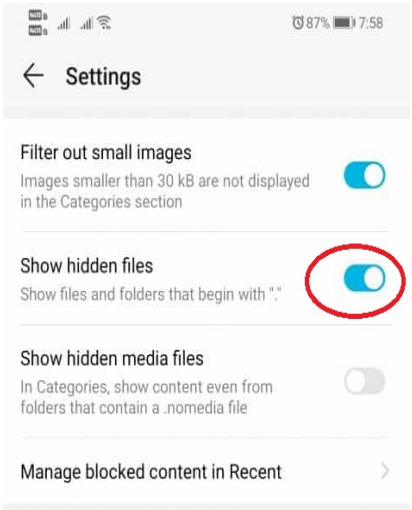
There are two methods of adding custom pids to the Torque app. You can copy a .CSV file or type them out manually.

1. Go to Google's playstore
2. Download File Manager, and run it



3. Click the three dots, and turn on hidden file view.





4. Click Internal storage and find .torque folder
5. Click .torque folder and press + button to create a new folder called "extendedpids"
6. Download CanBusPIDS.csv from lcdbc.xp3.biz
7. Using File Manager find CanBusPIDS.csv in the Recent folder
8. Press the CanBusPIDS.csv file, such that a check mark appears beside the name.
9. Click three dots and select Copy to.
10. Pick Internal Storage
11. Pick .torque
12. Pick extendedpids
13. Pick OK.
14. Exit File Manager.
15. Run Torque app, click wheel that represents settings.
16. Manage extra PIDs/Sensors
17. Pick CanBusPIDS

PIDS file download location

lcdbc.xp3.biz/CanBusPIDS.csv

Name	"ShortName"	"ModeAndPID"	"Equation"	"Min Value"	"Max Value"	"Units"	"Header"	"startDiagnostic"	"stopDiagnostic"	"Scale"
Boost Pressure	Boost	0x0126	(256*A+B-147)/10	-14.6999998093	100	psi				1
Knock	Knock	0x0124	A	0	28					1
Maf Airflow	Maf	0x012b	(256*A+B)	0	4000	Hz				1
Oil Pressure	Oil	0x0127	(256*A+B-147)/10	0	100	psi				1
Sensor 1 voltage	Sensor 1	0x0128	(256*A+B)*5/1023	0	5	volt				1
Sensor 2 Voltage	Sensor 2	0x0129	(256*A+B)*5/1023	0	5	volt				1
Sensor 3 Voltage	Sensor 3	0x012a	(256*A+B)*5/1023	0	5	volt				1
WBO2	WBO2	0x0125	A/10	0	25					1
Idle Steps	ISC	0x015b	A	0	255	steps				1
Fuel Inj. Pulse	Inj	0x011e	A*256/100	0	65	ms				1

Check Engine Light (CEL or DTC codes)

OBD2 DTC codes are more specific than OBD1 CEL codes, sometimes they have a perfect match, but sometimes not. For example: when an **injector circuit** CEL code is triggered on an OBD1 ECU, this indicates any of the six injector circuits is at fault. OBD2 does not have an exact equivalent code in this instance because OBD2 will specify exactly which injector number is at fault. So in this case I flag all six OBD2 DTC codes (injector circuit 1, injector circuit 2, ... , injector circuit 6).

OBD1 CEL code converted to OBD2 DTC code

Front Oxygen Sensor P0130.

Rear Oxygen Sensor P0150.

Airflow (MAF) P0100.

Air temperature sensor (MAF) P0110.

Throttle Position Sensor P0120.

Idle Speed motor P0505.

Coolant temperature sensor at ECU P0115.

Crankshaft sensor P0335.

Camshaft position sensor P0340.

Vehicle speed sensor P0500.

Barometric pressure sensor (MAF) P0105.

Knock sensor P0325.

Injector circuit P0201, P0202, P0203, P0204, P0205, P0206.

Fuel pump relay P1105.

EGR P0400, P0403.

Ignition coils P0351, P0352, P0353.

Ignition Timing Adjustment circuit P1300.

Non-Turbo DOHC VICS MPS circuit P2014.