🖥 briancline / torque-satellite

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briancline Recognize 0xfeNNNN cases as Torque-internal instead of just 0xffNNNN   1bb7e9b on 28 Aug 2013

1 contributor

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OBDII Codes and Torque Real-time HTTP Keys

The following **work-in-progress** tables list known OBDII codes and their equivalent keys when sent to an HTTP endpoint via the query string.

Basic Torque Data

Description	OBDII	HTTP
Timestamp		time
Device ID		id
Session ID		session

Vehicle Instrumentation

Description	OBDII	HTTP
Absolute Throttle Position B	47	k47
Accelerator PedalPosition D	49	k49
Accelerator PedalPosition E	4a	k4a
Accelerator PedalPosition F	4b	k4b
Air Fuel Ratio(Commanded)		kff124d
Air Fuel Ratio(Measured)		kff1249
Air Status	12	k12
Ambient air temp	46	k46
Average trip speed(whilst moving only)		kff1263
Average trip speed(whilst stopped or moving)		kff1272
Barometer (on Android device)		kff1270
Barometric pressure (from vehicle)	33	k33
Catalyst Temperature (Bank 1 Sensor 1)	3c	k3c
Catalyst Temperature (Bank 1 Sensor 2)	3e	k3e
Catalyst Temperature (Bank 2 Sensor 1)	3d	k3d
Catalyst Temperature (Bank 2 Sensor 2)	3f	k3f
CO_2 in g/km (Average)		kff1258
CO_2 in g/km (Instantaneous)		kff1257
Commanded Equivalence Ratio(lambda)	44	k44
Cost per mile/km (Instant)		kff126d

Description	OBDII	HTTP
Cost per mile/km (Trip)		kff126e
Distance to empty (Estimated)		kff126a
Distance travelled since codes cleared	31	k31
Distance travelled with MIL/CEL lit	21	k21
EGR Commanded	2c	k2c
EGR Error	2d	k2d
Engine Coolant Temperature	05	k05
Engine kW (At the wheels)		kff1273
Engine Load	04	k04
Engine Load(Absolute)	43	k43
Engine Oil Temperature	5c	k5c
Engine RPM	0c	k0c
Ethanol Fuel %	52	k52
Evap System Vapour Pressure	32	k32
Exhaust Gas Temperature 1	78	k78
Exhaust Gas Temperature 2	79	k79
Fuel cost (trip)		kff125c
Fuel flow rate/hour		kff125d
Fuel flow rate/minute		kff125a
Fuel Level (From Engine ECU)	2f	k2f
Fuel pressure	0a	k0a
Fuel Rail Pressure	23	k23
Fuel Rail Pressure (relative to manifold vacuum)	22	k22
Fuel Remaining (Calculated from vehicle profile)		kff126b
Fuel Status	03	k03
Fuel Trim Bank 1 Long Term	07	k07
Fuel trim bank 1 sensor 1	14	k14
Fuel trim bank 1 sensor 2	15	k15
Fuel trim bank 1 sensor 3	16	k16
Fuel trim bank 1 sensor 4	17	k17
Fuel Trim Bank 1 Short Term	06	k06
Fuel Trim Bank 2 Long Term	09	k09
Fuel trim bank 2 sensor 1	18	k18
Fuel trim bank 2 sensor 2	19	k19
Fuel trim bank 2 sensor 3	1a	k1a
Fuel trim bank 2 sensor 4	1b	k1b
Fuel Trim Bank 2 Short Term	08	k08
Fuel used (trip)		kff1271
Horsepower (At the wheels)		kff1226

Description	OBDII	HTTP
Intake Manifold Pressure	0b	k0b
Kilometers Per Litre(Instant)		kff1203
Kilometers Per Litre(Long Term Average)		kff5202
Litres Per 100 Kilometer(Instant)		kff1207
Litres Per 100 Kilometer(Long Term Average)		kff5203
Mass Air Flow Rate	10	k10
Miles Per Gallon(Instant)		kff1201
Miles Per Gallon(Long Term Average)		kff5201
O2 Sensor1 Equivalence Ratio	24	k24
O2 Sensor1 Equivalence Ratio(alternate)	34	k34
O2 Sensor1 wide-range Voltage		kff1240
O2 Sensor2 Equivalence Ratio	25	k25
O2 Sensor2 wide-range Voltage		kff1241
O2 Sensor3 Equivalence Ratio	26	k26
O2 Sensor3 wide-range Voltage		kff1242
O2 Sensor4 Equivalence Ratio	27	k27
O2 Sensor4 wide-range Voltage		kff1243
O2 Sensor5 Equivalence Ratio	28	k28
O2 Sensor5 wide-range Voltage		kff1244
O2 Sensor6 Equivalence Ratio	29	k29
O2 Sensor6 wide-range Voltage		kff1245
O2 Sensor7 Equivalence Ratio	2a	k2a
O2 Sensor7 wide-range Voltage		kff1246
O2 Sensor8 Equivalence Ratio	2b	k2b
O2 Sensor8 wide-range Voltage		kff1247
O2 Volts Bank 1 sensor 1		kff1214
O2 Volts Bank 1 sensor 2		kff1215
O2 Volts Bank 1 sensor 3		kff1216
O2 Volts Bank 1 sensor 4		kff1217
O2 Volts Bank 2 sensor 1		kff1218
O2 Volts Bank 2 sensor 2		kff1219
O2 Volts Bank 2 sensor 3		kff121a
O2 Volts Bank 2 sensor 4		kff121b
Relative Accelerator Pedal Position	5a	k5a
Relative Throttle Position	45	k45
Run time since engine start	1f	k1f
Speed (GPS)		kff1001
Speed (OBD)	0d	k0d
Intake Air Temperature	0f	k0f

Description	OBDII	HTTP
Throttle Position(Manifold)	11	k11
Timing Advance	0e	k0e
Torque		kff1225
Transmission Temperature(Method 1)		kfe1805
Transmission Temperature(Method 2)	b4	kb4
Trip average KPL		kff1206
Trip average Litres/100 KM		kff1208
Trip average MPG		kff1205
Trip Distance		kff1204
Trip distance (stored in vehicle profile)		kff120c
Trip Time(Since journey start)		kff1266
Trip Time(whilst moving)		kff1268
Trip time(whilst stationary)		kff1267
Turbo Boost & Vacuum Gauge		kff1202
Voltage (Control Module)	42	**k42**
Voltage (OBD Adapter)		kff1238
Volumetric Efficiency (Calculated)		kff1269

Device Instrumentation

Description	OBDII	HTTP
Acceleration Sensor(Total)		kff1223
Acceleration Sensor(X axis)		kff1220
Acceleration Sensor(Y axis)		kff1221
Acceleration Sensor(Z axis)		kff1222
GPS Accuracy		kff1239
GPS Altitude		kff1010
GPS Bearing		kff123b
GPS Latitude		kff1006
GPS Longitude		kff1005
GPS Satellites		kff123a
GPS vs OBD Speed difference		kff1237
Tilt(x)		kff124a
Tilt(y)		kff124b
Tilt(z)		kff124c

Saved Measurements

Description	OBDII	HTTP
0-100kph Time		kff122e

Description	OBDII	HTTP
0-200kph Time		kff124f
0-30mph Time		kff1277
0-60mph Time		kff122d
1/4 mile time		kff122f
1/8 mile time		kff1230
100-0kph Time		kff1264
40-60mph Time		kff1260
60-0mph Time		kff1265
60-120mph Time		kff125e
60-130mph Time		kff1276
60-80mph Time		kff125f
80-100mph Time		kff1261
80-120kph Time		kff1275

Credits

- Optima Forums
- Torque Pro