

ECU	Code	Type	Status	Description
0D	P1165	PowerTrain	Confirmed	Manufacturer Defined
0D	P0420	PowerTrain	Confirmed	Catalyst System Efficiency Below Threshold
0D	P1165	PowerTrain	Pending	Manufacturer Defined

Mode \$01 - Powertrain Diagnostic Data

PID	Description	Value	Units
SAE 0x03	Fuel system 1 status	2	
SAE 0x03	Fuel system 2 status	0	
SAE 0x04	Calculated load value	25.88	%
SAE 0x05	Engine coolant temperature	186.8	F
SAE 0x06	Short term fuel % trim - Bank 1	8.59	%
SAE 0x07	Long term fuel % trim - Bank 1	3.91	%
SAE 0x0B	Intake manifold absolute pressure	7.38	inHg
SAE 0x0C	Engine RPM	699.75	RPM
SAE 0x0D	Vehicle speed	0	MPH
SAE 0x0E	Ignition timing advance for #1 cylinder	12	deg
SAE 0x0F	Intake air temperature	127.4	F
SAE 0x11	Absolute throttle position	9.8	%
SAE 0x13	Location of oxygen sensors	3	
SAE 0x14	O2 voltage (Bank 1, Sensor 1)	0.86	V
SAE 0x14	Short term fuel trim (Bank 1, Sensor 1)	8.59	%
SAE 0x15	O2 voltage (Bank 1, Sensor 2)	0	V
SAE 0x15	Short term fuel trim (Bank 1, Sensor 2)	8.59	%
SAE 0x1C	OBD requirements to which vehicle or engine is certified	1	
Aux 0x00	Input voltage read by the scan tool	14.1	V

Mode \$02 - Freeze Frame

PID	Description	Value	Units
0x02	Freeze frame DTC	P0420	
0x03	Fuel system 1 status	2	

0x03	Fuel system 2 status	0	
0x04	Calculated load value	57.65	%
0x05	Engine coolant temperature	194	F
0x06	Short term fuel % trim - Bank 1	-4.69	%
0x07	Long term fuel % trim - Bank 1	0.78	%
0x0B	Intake manifold absolute pressure	17.13	inHg
0x0C	Engine RPM	1524.25	RPM
0x0D	Vehicle speed	39.77	MPH
0x0F	Intake air temperature	116.6	F
0x11	Absolute throttle position	16.08	%

Mode \$05 - Oxygen Sensors

Sensor	Available
Bank 1 - Sensor 1	Yes
Bank 1 - Sensor 2	Yes
Bank 1 - Sensor 3	No
Bank 1 - Sensor 4	No
Bank 2 - Sensor 1	No
Bank 2 - Sensor 2	No
Bank 2 - Sensor 3	No
Bank 2 - Sensor 4	No

Sensor	Description	Value	Minimum	Maximum	Units	Result
Bank 1 - Sensor 1	TID \$31 - Manufacturer Defined	0.56	0	1.84	sec	Pass
Bank 1 - Sensor 1	TID \$81 - Manufacturer Defined	104	111	143		Fail
Bank 1 - Sensor 1	TID \$83 - Manufacturer Defined	24	0	78		Pass
Bank 1 - Sensor 1	TID \$84 - Manufacturer Defined	5	0	83		Pass
Bank 1 - Sensor 2	TID \$45 - Manufacturer Defined	0.445	0.29	0.8	V	Pass

Mode \$06 - On-Board Monitoring

Component	Description	Value	Minimum	Maximum	Units	Result
Component Id \$00	TID \$01 - Manufacturer Defined	17	17	N/A		Pass
Component Id \$01	TID \$06 - Manufacturer Defined	300	300	N/A		Pass
Component Id \$00	TID \$0E - Manufacturer Defined	0	N/A	60		Pass
Component Id \$06	TID \$18 - Manufacturer Defined	87	29	N/A		Pass
Component Id \$06	TID \$19 - Manufacturer Defined	87	N/A	223		Pass
Component Id \$02	TID \$21 - Manufacturer Defined	8	4	N/A		Pass
Component Id \$02	TID \$2E - Manufacturer Defined	40	8	N/A		Pass
Component Id \$02	TID \$3A - Manufacturer Defined	8	8	N/A		Pass
Component Id \$02	TID \$3E - Manufacturer Defined	40	8	N/A		Pass
Component Id \$00	TID \$5C - Manufacturer Defined	52	N/A	52		Pass

Mode \$09 - Vehicle Information

General Information

Description	Value
Vehicle Identification Number	Not Available
Calibration ID - \$0D	AAL740.....
Calibration Verification Number	Not Available