**************************************		******
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	7.5%	
Engine Coolant Temperature		77F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		19.8inHg
Engine RPM	925/m	in
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		22.5
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Senso	or	23.46g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF

Oxygen Sensor Output Voltage (B1-S1)

Short Term Fuel Trim (B1-S1)

0.900V

0.0%

Oxygen Sensor Output Voltage (B1-S2)		0.970V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.595V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.800V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	6.3%	
Engine Coolant Temperature		78F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		20.7inHg
Engine RPM	975/m	in
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		4.5
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		21.14g/s
Absolute Throttle Position	0.4%	

Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.945V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.910V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.690V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.910V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	3.9%	
Engine Coolant Temperature		80F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		29.1inHg
Engine RPM	0/min	
Vehicle Speed	0mph	

Ignition Timing Advance for #1 Cylinder		0.0
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		10.99g/s
Absolute Throttle Position	0.8%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.965V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.970V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.775V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.970V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	3.9%	
Engine Coolant Temperature		80F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%

Intake Manifold Absolute Pressure		24.0inHg
Engine RPM	856/m	in
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		17.0
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		20.93g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		1.005V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.985V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.805V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.975V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	7.1%	
Engine Coolant Temperature		82F

Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		14.1inHg
Engine RPM	1193/n	nin
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		13.0
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		19.74g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		1.000V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.975V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.815V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.975V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	

Fuel system 2 status	OL	
Calculated LOAD Value	6.7%	
Engine Coolant Temperature		84F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		13.8inHg
Engine RPM	1174/n	nin
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		13.0
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		19.26g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		1.005V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.975V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.820V
Short Term Fuel Trim (B2-S1)		0.0%

Oxygen Sensor	Output	Voltage	(B2-S2)	0.980V

Short Term Fuel Trim (B2-S2) 99.2%

OBD requirements OBD2

Fuel system 1 status OL

Fuel system 2 status OL

Calculated LOAD Value 6.7%

Engine Coolant Temperature 86F

Short Term Fuel Trim - Bank 1 0.0%

Long Term Fuel Trim - Bank 1 -1.6%

Short Term Fuel Trim - Bank 2 0.0%

Long Term Fuel Trim - Bank 2 -1.6%

Intake Manifold Absolute Pressure 13.8inHg

Engine RPM 1136/min

Vehicle Speed 0mph

Ignition Timing Advance for #1 Cylinder 12.0

Intake Air Temperature 75F

Air Flow Rate from Mass Air Flow Sensor 18.42g/s

Absolute Throttle Position 0.0%

Commanded Secondary Air Status OFF

Oxygen Sensor Output Voltage (B1-S1) 0.995V

Short Term Fuel Trim (B1-S1) 0.0%

Oxygen Sensor Output Voltage (B1-S2) 0.970V

Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.835V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.990V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	6.3%	
Engine Coolant Temperature		86F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		13.8inHg
Engine RPM	1147/r	nin
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		12.5
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		17.75g/s
Absolute Throttle Position	0.0%	

Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		1.000V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.970V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.845V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.990V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	6.3%	
Engine Coolant Temperature		87F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		13.8inHg
Engine RPM	1129/r	min
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		12.0

Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		17.23g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.985V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.965V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.845V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.985V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	5.9%	
Engine Coolant Temperature		89F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%

Intake Manifold Absolute Pressure		16.5inHg
Engine RPM	959/mi	n
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		11.0
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		16.75g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.990V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.970V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.870V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		1.000V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	5.9%	
Engine Coolant Temperature		91F

0.0%

Short Term Fuel Trim - Bank 1

Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		16.2inHg
Engine RPM	971/mi	in
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		8.5
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		17.42g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.985V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.970V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.870V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		0.990V
Short Term Fuel Trim (B2-S2)		99.2%
OBD requirements	OBD2	
Fuel system 1 status	OL	

Fuel system 2 status	OL	
Calculated LOAD Value	5.9%	
Engine Coolant Temperature		93F
Short Term Fuel Trim - Bank 1		0.0%
Long Term Fuel Trim - Bank 1		-1.6%
Short Term Fuel Trim - Bank 2		0.0%
Long Term Fuel Trim - Bank 2		-1.6%
Intake Manifold Absolute Pressure		18.0inHg
Engine RPM	939/m	in
Vehicle Speed	0mph	
Ignition Timing Advance for #1 Cylinder		21.0
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		19.55g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.995V
Short Term Fuel Trim (B1-S1)		0.0%
Oxygen Sensor Output Voltage (B1-S2)		0.975V
Short Term Fuel Trim (B1-S2)		99.2%
Oxygen Sensor Output Voltage (B2-S1)		0.900V
Short Term Fuel Trim (B2-S1)		0.0%
Oxygen Sensor Output Voltage (B2-S2)		1.000V

Short Term Fuel Trim (B2-S2) OBD requirements	OBD2	99.2%
Fuel system 1 status Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1	OL OL 5.5% 95F 0.0% -1.6%	
Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed	0.0% -1.6% 960/mi	16.2inHg in
Ignition Timing Advance for #1 Cylinder Intake Air Temperature	77F	10.5
Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position	0.0%	16.65g/s
Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1)	0.0%	OFF 0.980V
Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2)	99.2%	0.965V
Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1)	0.0%	0.900V
Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	99.2% OBD2	0.985V
Fuel system 1 status	OL	
Fuel system 2 status Calculated LOAD Value	OL	
Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2	96F 0.0% -1.6% 0.0% -1.6%	
Intake Manifold Absolute Pressure Engine RPM Vehicle Speed	904/mi	
Ignition Timing Advance for #1 Cylinder Intake Air Temperature	77F	20.5

Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position	0.4%	18.38g/s
Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Torm Fuel Trim (B1-S1)	0.00/	OFF 0.985V
Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2)	0.0% 99.2%	0.970V
Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1)	0.0%	0.910V
Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2)	99.2%	0.985V
OBD requirements	OBD2	
Fuel system 1 status Fuel system 2 status	OL OL	
Calculated LOAD Value	6.7%	
Engine Coolant Temperature	98F	
Short Term Fuel Trim - Bank 1	0.0%	
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		18.6inHg
Engine RPM	930/mi	n
Vehicle Speed	930/mi 3mph	n
•		n 18.0
Vehicle Speed		
Vehicle Speed Ignition Timing Advance for #1 Cylinder	3mph	
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature	3mph	18.0
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor	3mph 77F	18.0
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status	3mph 77F	18.0 18.74g/s
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position	3mph 77F	18.0 18.74g/s OFF
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1)	3mph 77F 0.4%	18.0 18.74g/s OFF 0.975V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1)	3mph 77F 0.4%	18.0 18.74g/s OFF
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2)	3mph 77F 0.4% 0.0%	18.0 18.74g/s OFF 0.975V 0.965V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1)	3mph 77F 0.4% 0.0%	18.0 18.74g/s OFF 0.975V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1)	3mph 77F 0.4% 0.0% 99.2%	18.0 18.74g/s OFF 0.975V 0.965V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2)	3mph 77F 0.4% 0.0% 99.2% 0.0%	18.0 18.74g/s OFF 0.975V 0.965V 0.910V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1)	3mph 77F 0.4% 0.0% 99.2%	18.0 18.74g/s OFF 0.975V 0.965V 0.910V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2)	3mph 77F 0.4% 0.0% 99.2% 0.0% 99.2%	18.0 18.74g/s OFF 0.975V 0.965V 0.910V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2)	3mph 77F 0.4% 0.0% 99.2% 0.0% 99.2% OBD2	18.0 18.74g/s OFF 0.975V 0.965V 0.910V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	3mph 77F 0.4% 0.0% 99.2% 0.0% 99.2% OBD2 OL	18.0 18.74g/s OFF 0.975V 0.965V 0.910V
Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements Fuel system 1 status Fuel system 2 status	3mph 77F 0.4% 0.0% 99.2% 0.0% 99.2% OBD2 OL OL	18.0 18.74g/s OFF 0.975V 0.965V 0.910V

Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2	0.0% -1.6% 0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		18.6inHg
Engine RPM	886/mi	n
Vehicle Speed	3mph	
Ignition Timing Advance for #1 Cylinder		18.0
Intake Air Temperature	77F	
Air Flow Rate from Mass Air Flow Sensor		18.74g/s
Absolute Throttle Position	0.0%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.975V
Short Term Fuel Trim (B1-S1)	0.0%	
Oxygen Sensor Output Voltage (B1-S2)		0.960V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.915V
Short Term Fuel Trim (B2-S1)	0.0%	
Oxygen Sensor Output Voltage (B2-S2)		0.980V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL OL	
•		
Fuel system 2 status	OL	
Fuel system 2 status Calculated LOAD Value	OL 6.7%	
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature	OL 6.7% 104F	
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1	OL 6.7% 104F 0.0%	
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1	OL 6.7% 104F 0.0% -1.6%	
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2	OL 6.7% 104F 0.0% -1.6% 0.0%	17.4inHg
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure	OL 6.7% 104F 0.0% -1.6% 0.0%	•
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6%	•
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6%	•
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph	n
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6%	n 17.0
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph	n
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph	n 17.0 18.58g/s
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph	n 17.0 18.58g/s OFF
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1)	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph 75F 0.0%	n 17.0 18.58g/s
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1)	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph	17.0 18.58g/s OFF 0.970V
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2)	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph 75F 0.0%	n 17.0 18.58g/s OFF
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1)	OL 6.7% 104F 0.0% -1.6% 0.0% -1.6% 948/mi 5mph 75F 0.0%	n 17.0 18.58g/s OFF 0.970V

Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	0.0% 99.2% OBD2	
Fuel system 1 status Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor	OL OL 6.7% 104F 0.0% -1.6% -1.6% 1158/r 9mph	15.3inHg nin 25.5 19.68g/s
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	0.0% 0.0% 99.2% 0.0% 99.2% OBD2	0.905V 0.970V
Fuel system 1 status Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder	OL OL 7.1% 105F 0.0% -1.6% -1.6% 1053/r 6mph	15.0inHg nin 21.5

Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position	75F 0.0%	18.57g/s
Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1)	0.0%	OFF 0.970V
Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2)	99.2%	0.960V
Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2)	0.0%	0.915V 0.975V
Short Term Fuel Trim (B2-S2) OBD requirements	99.2% OBD2	0.070
Fuel system 1 status Fuel system 2 status	OL OL	
Calculated LOAD Value Engine Coolant Temperature	6.3% 107F	
Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1	0.0%	
Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure	0.0% -1.6%	17.1inHg
Engine RPM Vehicle Speed	1051/n 6mph	•
Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor	75F	26.0
Absolute Throttle Position  Commanded Secondary Air Status	5.9%	23.00g/s OFF
Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1)	0.0%	0.965V
Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1)	99.2%	0.945V 0.905V
Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2)	0.0%	0.970V
Short Term Fuel Trim (B2-S2) OBD requirements	99.2% OBD2	
Fuel system 1 status Fuel system 2 status Calculated LOAD Value	OL OL 10.6%	

Engine Coolant Temperature	111F	
Short Term Fuel Trim - Bank 1	0.0%	
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		14.1inHg
Engine RPM	1751/r	nin
Vehicle Speed	15mph	1
Ignition Timing Advance for #1 Cylinder	•	34.5
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor		35.96g/s
Absolute Throttle Position	12.5%	•
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.970V
Short Term Fuel Trim (B1-S1)	0.0%	
Oxygen Sensor Output Voltage (B1-S2)		0.960V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.920V
Short Term Fuel Trim (B2-S1)	0.0%	
Oxygen Sensor Output Voltage (B2-S2)		0.970V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
1		
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	15.7%	
Engine Coolant Temperature	111F	
Short Term Fuel Trim - Bank 1	0.0%	
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		18.3inHg
Engine RPM	1699/r	•
Vehicle Speed	26mph	
Ignition Timing Advance for #1 Cylinder		33.0
Intake Air Temperature	75F	
Air Flow Rate from Mass Air Flow Sensor	. 0.	39.62g/s
Absolute Throttle Position	15.7%	50.0 <u>–</u> 9.0
Commanded Secondary Air Status	10.1.70	OFF
Oxygen Sensor Output Voltage (B1-S1)		0.965V
Short Term Fuel Trim (B1-S1)	0.0%	J.000 V
Oxygen Sensor Output Voltage (B1-S2)	0.070	0.950V
Short Term Fuel Trim (B1-S2)	99.2%	0.000 V
Short reinir der min (DT-02)	JJ.Z /0	

Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	0.0% 99.2% OBD2	0.920V 0.980V
Fuel system 1 status Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2	OL OL 12.2% 113F 0.0% -1.6% 0.0%	
Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature	-1.6% 1440/n 31mph	
Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2)	12.5% 0.0%	33.75g/s OFF 0.970V 0.960V
Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	99.2% 0.0% 99.2% OBD2	0.905V 0.980V
Fuel system 1 status Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed	OL OL 14.5% 116F 0.0% -1.6% 0.0% -1.6% 1642/m 37mph	
•	1	

Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	73F 19.6% 0.0% 99.2% 0.0% 99.2% OBD2	OFF 0.955V 0.950V 0.915V 0.970V
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	17.3%	
Engine Coolant Temperature	118F	
Short Term Fuel Trim - Bank 1	0.0%	
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		18.6inHg
Engine RPM	1776/r	min
Vehicle Speed	43mpl	1
Ignition Timing Advance for #1 Cylinder		31.5
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		45.96g/s

Absolute Throttle Position	18.8%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)	0.00/	0.960V
Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2)	0.0%	0.950V
Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1)	99.2%	0.915V
Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2)	0.0%	0.965V
Short Term Fuel Trim (B2-S2) OBD requirements	99.2% OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL TO	
Calculated LOAD Value	14.5%	
Engine Coolant Temperature Short Term Fuel Trim - Bank 1	120F 0.0%	
	-1.6%	
Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure	-1.070	19.2inHg
Engine RPM	1571/m	•
Vehicle Speed	47mph	
Ignition Timing Advance for #1 Cylinder		31.0
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		39.32g/s
Absolute Throttle Position	16.9%	Ü
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.960V
Short Term Fuel Trim (B1-S1)	0.0%	
Oxygen Sensor Output Voltage (B1-S2)		0.945V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.920V
Short Term Fuel Trim (B2-S1)	0.0%	
Oxygen Sensor Output Voltage (B2-S2)		0.970V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	OL	
Fuel system 2 status	OL	

Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1	13.7% 120F 0.0% -1.6%	
Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		18.6inHg
Engine RPM	1575/r	nin
Vehicle Speed	50mph	1
Ignition Timing Advance for #1 Cylinder		32.0
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		38.32g/s
Absolute Throttle Position	16.1%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.960V
Short Term Fuel Trim (B1-S1)	0.0%	
Oxygen Sensor Output Voltage (B1-S2)		0.950V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.920V
Short Term Fuel Trim (B2-S1)	0.0%	
Oxygen Sensor Output Voltage (B2-S2)		0.970V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
	01	
Fuel system 1 status	OL	
Fuel system 2 status	OL	
Calculated LOAD Value	12.5%	
Engine Coolant Temperature	122F	
Short Term Fuel Trim - Bank 1	0.0%	
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-1.6%	4= 4: 11
Intake Manifold Absolute Pressure	4507/	17.4inHg
Engine RPM	1527/r	
Vehicle Speed	52mph	
Ignition Timing Advance for #1 Cylinder		32.0
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		29.96g/s
Absolute Throttle Position	9.8%	0==
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)	0.007	0.955V
Short Term Fuel Trim (B1-S1)	-3.9%	0.045\/
Oxygen Sensor Output Voltage (B1-S2)		0.945V

Ox Sh Ox Sh	ort Term Fuel Trim (B1-S2) ygen Sensor Output Voltage (B2-S1) ort Term Fuel Trim (B2-S1) ygen Sensor Output Voltage (B2-S2) ort Term Fuel Trim (B2-S2) ED requirements	99.2% -15.6% 99.2% OBD2	0.875V 0.900V
Fu Ca En Sh Loi Sh	el system 1 status el system 2 status lculated LOAD Value gine Coolant Temperature ort Term Fuel Trim - Bank 1 ort Term Fuel Trim - Bank 2 ng Term Fuel Trim - Bank 2 ake Manifold Absolute Pressure	CL CL 7.8% 125F -25.8% -1.6% -26.6% -1.6%	
En Ve Ign	gine RPM hicle Speed ition Timing Advance for #1 Cylinder	1413/n 52mph	nin
Air Ab	Flow Rate from Mass Air Flow Sensor solute Throttle Position	73F 4.7%	22.43g/s
Ox Sh	mmanded Secondary Air Status ygen Sensor Output Voltage (B1-S1) ort Term Fuel Trim (B1-S1) ygen Sensor Output Voltage (B1-S2)	-20.3%	OFF 0.420V 0.085V
Sh Ox	ort Term Fuel Trim (B1-S2) ygen Sensor Output Voltage (B2-S1) ort Term Fuel Trim (B2-S1)	99.2%	0.390V
Sh	ygen Sensor Output Voltage (B2-S2) ort Term Fuel Trim (B2-S2) BD requirements	99.2% OBD2	0.075V
Fu	uel system 1 status el system 2 status lculated LOAD Value	CL CL 7.5%	
Sh Loi	gine Coolant Temperature ort Term Fuel Trim - Bank 1 ng Term Fuel Trim - Bank 1 ort Term Fuel Trim - Bank 2	129F -16.4% -1.6% -14.8%	
Lo: Inta	ng Term Fuel Trim - Bank 2 ake Manifold Absolute Pressure gine RPM	-1.6% 1408/m	13.2inHg

Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	51mph 73F 4.3% -21.1% 99.2% -15.6% 99.2% OBD2	36.0 22.03g/s OFF 0.890V 0.835V 0.210V
Fuel system 1 status Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2)	CL 7.8% 131F -23.4% -1.6% -13.3% -1.6% 1429/n 50mph 73F 21.2% -9.4% 99.2% -7.0% 99.2% OBD2	14.1inHg nin
Fuel system 1 status	CL	

Fuel system 2 status	CL
Calculated LOAD Value	21.2%
Engine Coolant Temperature	132F
Short Term Fuel Trim - Bank 1	-14.1%
Long Term Fuel Trim - Bank 1	-1.6%
Short Term Fuel Trim - Bank 2	-7.0%
Long Term Fuel Trim - Bank 2	-1.6%
Intake Manifold Absolute Pressure	21.6inHg
Engine RPM	1828/min
Vehicle Speed	56mph
Ignition Timing Advance for #1 Cylinder	28.5
Intake Air Temperature	73F
Air Flow Rate from Mass Air Flow Sensor	59.75g/s
Absolute Throttle Position	25.1%
Commanded Secondary Air Status	OFF
Oxygen Sensor Output Voltage (B1-S1)	0.835V
Short Term Fuel Trim (B1-S1)	-14.1%
Oxygen Sensor Output Voltage (B1-S2)	0.430V
Short Term Fuel Trim (B1-S2)	99.2%
Oxygen Sensor Output Voltage (B2-S1)	0.805V
Short Term Fuel Trim (B2-S1)	-12.5%
Oxygen Sensor Output Voltage (B2-S2)	0.835V
Short Term Fuel Trim (B2-S2)	99.2%
· · ·	99.2 % OBD2
OBD requirements	OBDZ
Fuel evetem 4 etetus	CL
Fuel system 1 status	CL
Fuel system 2 status	
Calculated LOAD Value	19.2%
Engine Coolant Temperature	134F
Short Term Fuel Trim - Bank 1	-7.8%
Long Term Fuel Trim - Bank 1	-1.6%
Short Term Fuel Trim - Bank 2	-12.5%
Long Term Fuel Trim - Bank 2	-1.6%
Intake Manifold Absolute Pressure	20.1inHg
Engine RPM	1823/min
Vehicle Speed	60mph
Ignition Timing Advance for #1 Cylinder	30.0
Intake Air Temperature	73F
Air Flow Rate from Mass Air Flow Sensor	53.77g/s
Absolute Throttle Position	22.7%
Commanded Secondary Air Status	OFF
Oxygen Sensor Output Voltage (B1-S1)	0.295V
Short Term Fuel Trim (B1-S1)	-7.8%

Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	99.2% -12.5% 99.2% OBD2	0.670V 0.805V 0.775V
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	16.5%	
Engine Coolant Temperature	136F	
Short Term Fuel Trim - Bank 1	-13.3%	)
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	-13.3%	)
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		17.1inHg
Engine RPM	1763/m	nin
Vehicle Speed	63mph	
Ignition Timing Advance for #1 Cylinder		33.0
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		38.35g/s
Absolute Throttle Position	14.5%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.600V
Short Term Fuel Trim (B1-S1)	-11.7%	)
Oxygen Sensor Output Voltage (B1-S2)		0.890V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.805V
Short Term Fuel Trim (B2-S1)	-18.8%	
Oxygen Sensor Output Voltage (B2-S2)		0.805V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	6.3%	
Engine Coolant Temperature	138F	
Short Term Fuel Trim - Bank 1	-13.3%	)
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	-23.4%	)
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		10.2inHg

Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements	1577/min 62mph 40.0 73F 17.77g/s 0.4% OFF 0.850V -19.5% 0.825V 99.2% 0.210V -19.5% 0.810V 99.2% OBD2
Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure Engine RPM Vehicle Speed Ignition Timing Advance for #1 Cylinder Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obd requirements Fuel system 1 status	CL CL 5.9% 141F -21.1% -1.6% -18.8% -1.6% 10.8inHg 1510/min 58mph 38.5 73F 17.53g/s 0.4% OFF 0.145V -15.6% 0.055V 99.2% 0.060V -14.8% 0.115V 99.2% OBD2 CL

Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2	CL 6.3% 143F -13.3% -1.6% -14.8%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		11.1inHg
Engine RPM	1452/r	•
Vehicle Speed	57mph	1
Ignition Timing Advance for #1 Cylinder	•	38.0
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		17.08g/s
Absolute Throttle Position	0.4%	J
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.200V
Short Term Fuel Trim (B1-S1)	-17.2%	
Oxygen Sensor Output Voltage (B1-S2)		0.500V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.095V
Short Term Fuel Trim (B2-S1)	-6.3%	
Oxygen Sensor Output Voltage (B2-S2)		0.255V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	5.9%	
Engine Coolant Temperature	145F	
Short Term Fuel Trim - Bank 1	-18.8%	, 0
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	-9.4%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		11.1inHg
Engine RPM	1401/r	nin
Vehicle Speed	54mph	1
Ignition Timing Advance for #1 Cylinder		37.5
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		16.96g/s
Absolute Throttle Position	0.4%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.705V
Short Term Fuel Trim (B1-S1)	-21.9%	0
Oxygen Sensor Output Voltage (B1-S2)		0.535V

Short Term Fuel Trim (B1-S2)	99.2%	0.775\/
Oxygen Sensor Output Voltage (B2-S1)		0.775V
Short Term Fuel Trim (B2-S1)	-18.8%	0.700) (
Oxygen Sensor Output Voltage (B2-S2)		0.790V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	6.3%	
Engine Coolant Temperature	147F	
Short Term Fuel Trim - Bank 1	-15.6%	
Long Term Fuel Trim - Bank 1	-1.6%	
Short Term Fuel Trim - Bank 2	-18.8%	
Long Term Fuel Trim - Bank 2	-1.6%	
Intake Manifold Absolute Pressure		12.6inHg
Engine RPM	1347/m	in
Vehicle Speed	53mph	
Ignition Timing Advance for #1 Cylinder	-	36.0
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		19.52g/s
Absolute Throttle Position	4.3%	3 -
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.560V
Short Term Fuel Trim (B1-S1)	-14.8%	0.0001
Oxygen Sensor Output Voltage (B1-S2)		0.795V
Short Term Fuel Trim (B1-S2)	99.2%	0.7007
Oxygen Sensor Output Voltage (B2-S1)		0.120V
Short Term Fuel Trim (B2-S1)	-14.1%	0.1201
Oxygen Sensor Output Voltage (B2-S2)		0.665V
Short Term Fuel Trim (B2-S2)	99.2%	0.000 V
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	6.7%	
	0.7 % 149F	
Engine Coolant Temperature Short Term Fuel Trim - Bank 1		
	-19.5%	
Long Term Fuel Trim - Bank 1	-2.3%	
Short Term Fuel Trim - Bank 2	-12.5%	
Long Term Fuel Trim - Bank 2	-2.3%	40 0:11
Intake Manifold Absolute Pressure		12.6inHg
Engine RPM	1325/m	IN
Vehicle Speed	52mph	00.0
Ignition Timing Advance for #1 Cylinder	;	36.0

Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		19.08g/s
Absolute Throttle Position	4.3%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.125V
Short Term Fuel Trim (B1-S1)	-11.7%	) )
Oxygen Sensor Output Voltage (B1-S2)		0.050V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.055V
Short Term Fuel Trim (B2-S1)	-7.8%	
Oxygen Sensor Output Voltage (B2-S2)		0.095V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	6.7%	
Engine Coolant Temperature	150F	
Short Term Fuel Trim - Bank 1	-6.3%	
Long Term Fuel Trim - Bank 1	-5.5%	
Short Term Fuel Trim - Bank 2	-5.5%	
Long Term Fuel Trim - Bank 2	-5.5%	
Intake Manifold Absolute Pressure		12.9inHg
Engine RPM	1305/n	•
Vehicle Speed	50mph	
Ignition Timing Advance for #1 Cylinder	•	35.5
Intake Air Temperature	73F	
		18.96g/s
Air Flow Rate from Mass Air Flow Sensor		10.009/3
Air Flow Rate from Mass Air Flow Sensor Absolute Throttle Position	4.3%	10.50g/5
Absolute Throttle Position	4.3%	J
Absolute Throttle Position Commanded Secondary Air Status	4.3%	OFF
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1)		J
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1)	4.3%	OFF 0.680V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2)	-8.6%	OFF
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2)		OFF 0.680V 0.840V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1)	-8.6% 99.2%	OFF 0.680V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1)	-8.6%	OFF 0.680V 0.840V 0.810V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2)	-8.6% 99.2% -7.8%	OFF 0.680V 0.840V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2)	-8.6% 99.2% -7.8% 99.2%	OFF 0.680V 0.840V 0.810V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obd requirements	-8.6% 99.2% -7.8% 99.2% OBD2	OFF 0.680V 0.840V 0.810V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obb requirements Fuel system 1 status	-8.6% 99.2% -7.8% 99.2% OBD2 CL	OFF 0.680V 0.840V 0.810V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements Fuel system 1 status Fuel system 2 status	-8.6% 99.2% -7.8% 99.2% OBD2 CL CL	OFF 0.680V 0.840V 0.810V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Obb requirements Fuel system 1 status Fuel system 2 status Calculated LOAD Value	-8.6% 99.2% -7.8% 99.2% OBD2 CL CL 6.3%	OFF 0.680V 0.840V 0.810V
Absolute Throttle Position Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1) Short Term Fuel Trim (B1-S1) Oxygen Sensor Output Voltage (B1-S2) Short Term Fuel Trim (B1-S2) Oxygen Sensor Output Voltage (B2-S1) Short Term Fuel Trim (B2-S1) Oxygen Sensor Output Voltage (B2-S2) Short Term Fuel Trim (B2-S2) Short Term Fuel Trim (B2-S2) OBD requirements Fuel system 1 status Fuel system 2 status	-8.6% 99.2% -7.8% 99.2% OBD2 CL CL	OFF 0.680V 0.840V 0.810V

Long Term Fuel Trim - Bank 1	-9.4%	
Short Term Fuel Trim - Bank 2	-7.0%	
Long Term Fuel Trim - Bank 2	-9.4%	
Intake Manifold Absolute Pressure		12.9inHg
Engine RPM	1274/n	nin
Vehicle Speed	49mph	1
Ignition Timing Advance for #1 Cylinder		35.0
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		16.29g/s
Absolute Throttle Position	0.4%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.885V
Short Term Fuel Trim (B1-S1)	-6.3%	
Oxygen Sensor Output Voltage (B1-S2)		0.890V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.820V
Short Term Fuel Trim (B2-S1)	-12.5%	
Oxygen Sensor Output Voltage (B2-S2)		0.860V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	5.5%	
Engine Coolant Temperature	154F	
Short Term Fuel Trim - Bank 1	1.6%	
Long Term Fuel Trim - Bank 1	-10.2%	
Short Term Fuel Trim - Bank 2	-4.7%	,
Long Term Fuel Trim - Bank 2	-11.7%	
Intake Manifold Absolute Pressure	11.7	, 12.3inHg
Engine RPM	1223/n	•
Vehicle Speed	48mph	
Ignition Timing Advance for #1 Cylinder	Tompi	34.0
Intake Air Temperature	73F	J <del>-1</del> .0
Air Flow Rate from Mass Air Flow Sensor	7 01	16.50g/s
Absolute Throttle Position	0.4%	10.50g/S
	0.4 /0	OEE
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)	0.00/	0.570V
Short Term Fuel Trim (B1-S1)	-0.8%	0.040\/
Oxygen Sensor Output Voltage (B1-S2)	00.00/	0.910V
Short Term Fuel Trim (B1-S2)	99.2%	0.0001
Oxygen Sensor Output Voltage (B2-S1)	0.007	0.880V
Short Term Fuel Trim (B2-S1)	-8.6%	0.00517
Oxygen Sensor Output Voltage (B2-S2)		0.935V

Short Term Fuel Trim (B2-S2) OBD requirements Fuel system 1 status Fuel system 2 status Calculated LOAD Value Engine Coolant Temperature Short Term Fuel Trim - Bank 1 Long Term Fuel Trim - Bank 1 Short Term Fuel Trim - Bank 2 Long Term Fuel Trim - Bank 2 Intake Manifold Absolute Pressure	99.2% OBD2 CL CL 5.5% 154F -13.3% -3.9% -10.2%	∕₀ 12.9inHg
Engine RPM	1185/r	
Vehicle Speed	46mph	
Ignition Timing Advance for #1 Cylinder	705	35.0
Intake Air Temperature Air Flow Rate from Mass Air Flow Sensor	73F	16.00~/~
Absolute Throttle Position	0.4%	16.08g/s
	0.4%	OFF
Commanded Secondary Air Status Oxygen Sensor Output Voltage (B1-S1)		0.220V
Short Term Fuel Trim (B1-S1)	-12.5%	
Oxygen Sensor Output Voltage (B1-S2)	-12.5/	0.170V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)	99.Z /0	0.090V
Short Term Fuel Trim (B2-S1)	-2.3%	0.030 V
Oxygen Sensor Output Voltage (B2-S2)	2.070	0.180V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	6.3%	
Engine Coolant Temperature	156F	
Short Term Fuel Trim - Bank 1	-11.7%	, 0
Long Term Fuel Trim - Bank 1	-7.8%	
Short Term Fuel Trim - Bank 2	-2.3%	
Long Term Fuel Trim - Bank 2	-7.8%	
Intake Manifold Absolute Pressure		15.3inHg
Engine RPM	1293/r	nin
Vehicle Speed	43mph	1
Ignition Timing Advance for #1 Cylinder		30.5
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		26.82g/s
Absolute Throttle Position	11.4%	
Commanded Secondary Air Status		OFF

Oxygen Sensor Output Voltage (B1-S1)		0.070V
Short Term Fuel Trim (B1-S1)	2.3%	
Oxygen Sensor Output Voltage (B1-S2)		0.330V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.770V
Short Term Fuel Trim (B2-S1)	-8.6%	
Oxygen Sensor Output Voltage (B2-S2)		0.760V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	11.8%	
Engine Coolant Temperature	158F	
Short Term Fuel Trim - Bank 1	-14.1%	1
Long Term Fuel Trim - Bank 1	-2.3%	
Short Term Fuel Trim - Bank 2	0.0%	
Long Term Fuel Trim - Bank 2	-6.3%	
Intake Manifold Absolute Pressure		13.2inHg
Engine RPM	1191/m	nin
Vehicle Speed	42mph	
Ignition Timing Advance for #1 Cylinder		33.5
Intake Air Temperature	73F	
Air Flow Rate from Mass Air Flow Sensor		16.15g/s
Absolute Throttle Position	0.4%	
Commanded Secondary Air Status		OFF
Oxygen Sensor Output Voltage (B1-S1)		0.905V
Short Term Fuel Trim (B1-S1)	-9.4%	
Oxygen Sensor Output Voltage (B1-S2)		0.910V
Short Term Fuel Trim (B1-S2)	99.2%	
Oxygen Sensor Output Voltage (B2-S1)		0.775V
Short Term Fuel Trim (B2-S1)	-16.4%	ı
Oxygen Sensor Output Voltage (B2-S2)		0.780V
Short Term Fuel Trim (B2-S2)	99.2%	
OBD requirements	OBD2	
Fuel system 1 status	CL	
Fuel system 2 status	CL	
Calculated LOAD Value	5.5%	
Engine Coolant Temperature	159F	
Short Term Fuel Trim - Bank 1	-0.8%	