

<b>VIN</b>	1M1AX07Y6DM018285
<b>Vehicle Make</b>	Mack
<b>Model</b>	GU/Granite Series
<b>Model Year</b>	2013

Vehicle Components				
Component	Description	Serial Number	Software Version	Network
Engine	Mack MP8	12358103	22468510	J1939 (High)/J1587 (Low)
Vehicle ECU	VMAC IV VECU	12260114	21893912	J1939 (High)/J1587 (Low)
Instrument Cluster	VMAC IV ICM	12174074	22003133	J1939 (High)/J1587 (Low)
Intersection Preemption Emitter	Mack Aftertreatment Control Module	12180566	22409392	J1587 (Low)
Brakes	Bendix EC-60 Standard ABS	N/A	BB41101	J1939 (High)/J1587 (Low)
Base Unit (Radio Gateway to Fixed End)	Mack Radio	22210167	21889643	J1587 (Low)

### Vehicle Key Data Points

Parameter Description	Value	Parameter Description	Value
Battery Potential	11.00 volts	Coolant Level	Normal
Engine Oil Level	Normal	Odometer	179,270.80 mi
Total Avg Fuel Econ	4.10 mpg	Total Engine Hrs	9,421.20 hrs
Road Speed Limit	75.00 mph	Cruise Spd Limit	70.00 mph
DPF Soot Level	Low	Engine Derate	No Derate
Malfunction Indicator Lamp	On	Red Stop Lamp	Off
Amber Warning Lamp	On	Protect Lamp	Off
Parking Brake Switch	On	DPF Lamp Command	Off
Exhaust System High Temperature La	Off	ABS Control Status	On
ABS Control Status, Trailer	Not Available	Engine Speed	0 rpm
Fuel	43%	Diesel Exhaust Fluid	42%

### Vehicle Issues

 6 Active Fault(s) Present

### Faults

Status	Component	Description	Lookup Code	FMI	Count
Active	Base Unit (Radio Gateway to Fixed End)	CD - Data erratic, intermittent, or incorrect	PSID 10	2	1
Active	Base Unit (Radio Gateway to Fixed End)	CD - Mechanical system not responding properly	PSID 10	7	1
Active	Brakes	Battery Voltage Too Low -OR- Battery Voltage Too Low During ABS -OR- Ignition Voltage Too Low -OR- Ignition Voltage Too Low During ABS (Flash Code 6-1 or 6-3 or 6-5 or 6-7)	SID 251	4	24
Active	Engine	Aftertreatment DPF Differential Pressure - Current below normal or open circuit	SPN 3251	5	1
Active	Engine	SAE - Aftertreatment 1 Diesel Particulate Filter Regeneration too Frequent - Condition exists	SPN 5397	31	1
Active	Engine	SAE - Aftertreatment 1 Hydrocarbon Dosing System - Out of calibration	SPN 5443	13	7

Status	Component	Description	Lookup Code	FMI	Count
Inactive	Base Unit (Radio Gateway to Fixed End)	Data link, MID128 - Abnormal update rate	PSID 200	9	1
Inactive	Base Unit (Radio Gateway to Fixed End)	Audio output Left Rear - Current below normal or open circuit	PSID 4	5	31
Inactive	Base Unit (Radio Gateway to Fixed End)	Audio output Right Rear - Current below normal or open circuit	PSID 5	5	31
Inactive	Base Unit (Radio Gateway to Fixed End)	Audio RF antenna - Unidentifiable error	PSID 8	11	3
Inactive	Base Unit (Radio Gateway to Fixed End)	Audio USB - Data erratic, intermittent, or incorrect	PSID 9	2	22
Inactive	Base Unit (Radio Gateway to Fixed End)	SAE - Controller #1 - Voltage above normal or shorted to high source	SID 254	3	5
Inactive	Base Unit (Radio Gateway to Fixed End)	SAE - Controller #1 - Voltage below normal or shorted to low source	SID 254	4	N/A
Inactive	Engine	Engine Coolant Level - Data valid but below normal operational range - Most severe level	SPN 111	1	2
Inactive	Engine	SAE J1939 Data Link 2 - Abnormal update rate	SPN 1231	9	13
Inactive	Engine	Keyswitch Battery Potential - Data valid but below normal operating range - Moderately severe level	SPN 158	18	8
Inactive	Engine	Aftertreatment Diesel Exhaust Fluid (DEF) Tank Level - Data valid but below normal operating range - Moderately severe level	SPN 1761	18	5
Inactive	Engine	Engine Turbocharger Compressor Outlet Temperature - Data valid but above normal operational range - Most severe level	SPN 2629	0	1
Inactive	Engine	Aftertreatment Intake NOx - Special instructions	SPN 3216	14	2
Inactive	Engine	Aftertreatment Outlet NOx - Special instructions	SPN 3226	14	2
Inactive	Engine	Sensor Supply Voltage 3 - Voltage below normal, or shorted to low source	SPN 3511	4	3
Inactive	Engine	Aftertreatment Diesel Particulate Filter (DPF) Regeneration too frequent - Voltage below normal, or shorted to low source	SPN 3597	4	6

Status	Component	Description	Lookup Code	FMI	Count
Inactive	Engine	Aftertreatment Diesel Particulate Filter (DPF) Switch/MP8 Engine - Abnormal update rate	SPN 3695	9	6
Inactive	Engine	Aftertreatment Diesel Exhaust Fluid Pump (DEF) Drive Percentage - Special instructions	SPN 4375	14	1
Inactive	Engine	Aftertreatment Diesel Exhaust Fluid Pump (DEF) Drive Percentage - Current below normal or open circuit	SPN 4375	5	2
Inactive	Engine	Aftertreatment SCR Operator Inducement Severity - Data valid but above normal operational range - Most severe level	SPN 5246	0	1
Inactive	Engine	Aftertreatment SCR Operator Inducement Severity - Data valid but above normal operating range - Least severe level	SPN 5246	15	14
Inactive	Engine	Aftertreatment SCR Operator Inducement Severity - Data valid but above normal operating range - Moderately severe level	SPN 5246	16	8
Inactive	Engine	Accelerator Pedal 1 Idle Validation Switch - Current below normal or open circuit	SPN 558	5	1
Inactive	Engine	SAE J1939 Data Link 1 - Data erratic, intermittent or incorrect	SPN 639	2	1
Inactive	Engine	Engine Variable Geometry Turbocharger (VGT) Actuator - Voltage below normal, or shorted to low source	SPN 641	4	3
Inactive	Engine	Intake Air Heater (IAH) 1 - Voltage below normal, or shorted to low source	SPN 729	4	2
Inactive	Engine	Intake Air Heater (IAH) 1 - Current below normal or open circuit	SPN 729	5	3
Inactive	Engine	Intake Air Heater (IAH) 2 - Voltage below normal, or shorted to low source	SPN 730	4	2
Inactive	Engine	Intake Air Heater (IAH) 2 - Current below normal or open circuit	SPN 730	5	3
Inactive	Instrument Cluster	Battery Voltage - Valid High	PID 158	0	11
Inactive	Instrument Cluster	Battery Voltage - Data Valid, but Less than Normal	PID 158	1	21
Inactive	Instrument Cluster	Fuel Level - Open	PID 96	5	1
Inactive	Instrument Cluster	Aftertreatment Reagent Level - Abnormal update rate	PPID 278	9	4
Inactive	Instrument Cluster	Data Link, MID 128 - Abnormal update rate	PSID 200	9	3
Inactive	Instrument Cluster	Buffered engine speed output - Voltage below normal or shorted to low source	PSID 53	4	4
Inactive	Vehicle ECU	EECU/VECU supply relay - Voltage below normal or shorted to low source	PPID 74	4	1



# DIAGNOSTIC REPORT

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Status	Component	Description	Lookup Code	FMI	Count
Inactive	Vehicle ECU	J1939 Data Link, MID 128 - Abnormal update rate	PSID 200	9	4
Inactive	Vehicle ECU	Software Error - Current below normal or open circuit	PSID 230	5	3