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Thread: http://priuschat.com/forums/gen-iii-2010-prius-technical-discussion/64406-scangaugeii-work-2010-a-9.html

Please note you can not display any two XGAUGE with the same TXD at the same time (marked in light blue) unless you have Firmware 4.05 or higher

Plug In Prius has HV ECU a	at 7E3 (Same as Gen II)	Car settings		Standard OBDII, s	hould work on all cars		Purple needs FW 4.05 or higher for multi-frame support		
Passive XGAUGES		Need to fix		Another XGAUGE has s		as same TXD	same TXD - only can use one at a time unless on FW 4.04+		
	To convert g	reen temperature re	eadings to C,	replace MTH with 00	010001FFD8				
Toyota Prius Gen III CAN XG	AUGE list								
GAUGE	TXD	RXF	RXD	МТН	NAM	Status	Notes		
Kilometers per Hour	00BC	010042B40000	380C	03E804000000	kph		xx.xx kph		
Miles per Hour	00BC	010042B40000	380C	252603DA0000	mph		xx.xx mph		
Accelerator Position	024D	010202450000	2008	000100020000	thr		1-100%		
Steering Angle	002D	010082250000	140C	001000010000	sta		Scangauge bug, number lower than -99.9 bad		
Individual Wheel Speed	00B2	010002AA0000	1010		RFs	Incomp.	Unsure of which wheel is which, need MTH		
Individual Wheel Speed	00B2	010002AA0000	2010		LFs	Incomp.	Unsure of which wheel is which, need MTH		
Individual Wheel Speed	00B2	010002AA0000	3010		RRs	Incomp.	Unsure of which wheel is which, need MTH		
Individual Wheel Speed	00B2	010002AA0000	4010		LRs	Incomp.	Unsure of which wheel is which, need MTH		
ICE RPM	01CC	010102C40000	1010	006400800000	Rpm		xxxx RPM, ~40fps		
Hybrid Unknown 1	07E2	044105050000	2808	000100010000	UK1	Unknown	0-120? Updates more often when ICE on		
Hybrid Unknown 2	07E2	0441050F0000	2808	000100010000	UK2	Unknown	0-120? Fluctuates between 70-80 while driving		
Hybrid Unknown 3	07E2	044105100000	2810	00010001FFEE	UK3	Unknown	Relates to ICE 0-1500. Slow to update		
A/C Power Usage	07E2217D	0461057D0000	3808	003200010000	ACw		xxx watts		
Battery Air Intake Temp F	07E22187	056106870000	3008	00090005FFC6	BtT		xF		
Battery Air Intake Temp C	07E22187	056106870000	3008	00010001FFCE	BtT		xC		
Battery Amps	07E2218A	0461858A0000	2810	0001000AF334	amp		x.xx Amps (+ for draw) [Does not work on PHV]		
Battery Charge Max	07E22198	056186980000	4808	000A0002FBC7	bcw		-xx.x kw		
Battery Cooling Fan Mode	07E2219B	0461059B0000	3008	000100010000	BFM		x (0-6 with 6 being 100%) [Test by setting fan speed below]		
Battery Discharge Max	07E22198	056186980000	4008	000A0002FF37	bdw		xx.x kw		
Battery Resistance Block 1	07E22195	02EA05610695	3008	000100010000	R01		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 2	07E22195	02EA05610695	3808	000100010000	R02		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 3	07E22195	02EA05610695	4008	000100010000	R03		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 4	07E22195	02EA05610695	4808	000100010000	R04		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 5	07E22195	010702EA0321	1808	000100010000	R05		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 6	07E22195	010702EA0321	2008	000100010000	R06		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 7	07E22195	010702EA0321	2808	000100010000	R07		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 8	07E22195	010702EA0321	3008	000100010000	R08		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 9	07E22195	010702EA0321	3808	000100010000	R09		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 10	07E22195	010702EA0321	4008	000100010000	R10		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 11	07E22195	010702EA0321	4808	000100010000	R11		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 12	07E22195	010702EA0322	1808	000100010000	R12		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 13	07E22195	010702EA0322	2008	000100010000	R13		xx mOhm (divide by 100 to get ohms)		
Battery Resistance Block 14	07E22195	010702EA0322	2808	000100010000	R14		xx mOhm (divide by 100 to get ohms)		
Battery Temp 1 C	07E22187	02EA05610687	4010	00010100FFCE	BT1		xx C Cell Temp Sensor 1		
Battery Temp 1 F	07E22187	02EA05610687	4010	00090500FFC6	BT1		xx F Cell Temp Sensor 1		
Battery Temp 2 C	07E22187	010702EA0321	1810	00010100FFCE	BT2		xx C Cell Temp Sensor 2		
Battery Temp 2 F	07F22187	010702FA0321	1810	00090500FFC6	BT2		xx E Cell Temp Sensor 2		

Battery Temp 3 C	07E22187	010702EA0321	2810	00010100FFCE	BT3		xx C Cell Temp Sensor 3
Battery Temp 3 F	07E22187	010702EA0321	2810	00090500FFC6	BT3		xx F Cell Temp Sensor 3
Battery Temp 4 C	07E22187	02EA05610687	3010	00010100FFCE	BT4		xx C Cell Temp Sensor 4
Battery Temp 4 F	07E22187	02EA05610687	3010	00090500FFC6	BT4		xx F Cell Temp Sensor 4
Battery Voltage (Pack)	07E22174	010702EA0321	2010	000100020000	BV+		xxx V Battery Voltage
Battery Voltage Block 1	07E22181	02EA05610681	3010	000100080000	V01		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 2	07E22181	02EA05610681	4010	000100080000	V02		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 3	07E22181	010702EA0321	1810	000100080000	V03		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 4	07E22181	010702EA0321	2810	000100080000	V04		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 5	07E22181	010702EA0321	3810	000100080000	V05		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 6 HB	07E22181	010702EA0321	4808	000100080000	V06	Special	xxxx mV (Milivolts so divide by 100 to get volts) [add to 6 LB]
Battery Voltage Block 6 LB	07E22181	010702EA0322	1808	000100080000	V6B	Special	See above because value crossed the frame boundry
Battery Voltage Block 7	07E22181	010702EA0322	2010	000100080000	V07		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 8	07E22181	010702EA0322	3010	000100080000	V08		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 9	07E22181	010702EA0322	4010	000100080000	V09		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 10	07E22181	010702EA0323	1810	000100080000	V10		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 11	07E22181	010702EA0323	2810	000100080000	V11		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 12	07E22181	010702EA0323	3810	000100080000	V12		xxxx mV (Milivolts so divide by 100 to get volts)
Battery Voltage Block 13 HB	07E22181	010702EA0323	4808	000100080000	V13	Special	xxxx mV (Milivolts so divide by 100 to get volts) [add to 13 LB]
Battery Voltage Block 13 LB	07E22181	010702EA0324	1808	000100080000	13B	Special	See above because value crossed the frame boundry
Battery Voltage Block 14	07E22181	010702EA0324	2010	000100080000	V14		xxxx mV (Milivolts so divide by 100 to get volts)
Brake Pedal Force	07B02141	046145410000	3808	00090001FFA6	BFC		x.xx MPA (not exact, but close)
Calculated Load	07E02101	056106010000	3008	006400FF0000	cLD		Same as stock 'LOD' gauge
Coolant Temp (Alt)	07E02101	010702E80321	3808	00090005EED8	FTF		xxx E Probably exhaust coolant temp (Reg firm 4.05 on SGII)
		0.0.010120001.			L ' '		(rod min robably oxnador ocolant tomp (rod min rido on ocin)
DC/DC Lower Converter Temp	07E22174	056106740000	3808	00090005FFD8	DLC		x F
DC/DC Lower Converter Temp DC/DC Upper Converter Temp	07E22174 07E22174	056106740000 056106740000	3808 3008	00090005FFD8 00090005FFD8	DLC		x F x F
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change	07E22174 07E22174 07C02141	056106740000 056106740000 046105410000	3808 3008 2808	00090005FFD8 00090005FFD8 006400010000	DLC DUC OIL		x F x F xxxx Miles since last oil change (reset)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor	07E22174 07E22174 07C02141 07B02107	056106740000 056106740000 046105410000 046145070000	3808 3008 2808 2808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE	DLC DUC OIL FRI		x F x F xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI	056106740000 056106740000 046105410000 046145070000 P or CLSD LP on the S	3808 3008 2808 2808 GII. This is 10	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 00% accurate if fuel is	DLC DUC OIL FRI being injected		x F x F xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C	056106740000 056106740000 046105410000 046145070000 or CLSD LP on the S 0461053C0000	3808 3008 2808 2808 GII. This is 10 2810	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 000100200000	DLC DUC OIL FRI being injected uL		xxx microL (unsure about scaling) (reset)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C	056106740000 056106740000 046105410000 046145070000 or CLSD LP on the S 0461053C0000 0461053C0000	3808 3008 2808 2808 GII. This is 10 2810 3810	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 000100200000 000100010000	DLC DUC OIL FRI being injected uL uS		xxx micro seconds (unsure about scaling) xxx micro seconds (unsure about scaling)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters)	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129	056106740000 056106740000 046105410000 046145070000 or CLSD LP on the S 0461053C0000 0461053C0000 046185290000	3808 3008 2808 2808 GII. This is 10 2810 3810 2808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 000100200000 000100010000 138800010000	DLC DUC OIL FRI being injected uL uS FIV	Untested	xxx micro seconds (unsure about scaling) xxx micro seconds (unsure about scaling) xxx micro seconds (unsure about scaling) xxx liters
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons)	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129	056106740000 056106740000 046105410000 046145070000 or CLSD LP on the S 0461053C0000 0461053C0000 046185290000 046185290000	3808 3008 2808 2808 GII. This is 10 2810 3810 2808 2808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 000100200000 000100010000 138800010000 13880EC90000	DLC DUC OIL FRI being injected uL uS FIV FIV	Untested	xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) x.x liters x.x US Gallons, updates quickly
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07E22175	056106740000 056106740000 046105410000 046145070000 or CLSD LP on the S 0461053C0000 046185290000 046185290000 046105750000	3808 3008 2808 2808 3810 2810 3810 2808 2808 4008	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 000100200000 000100010000 138800010000 13880EC90000 00090005FFD8	DLC DUC OIL FRI being injected uL uS FIV FIV FIV ICF	Untested	x F x F x F xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) x.x liters x.x US Gallons, updates quickly x F
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07E22175 07E22170	056106740000 056106740000 046105410000 046105410000 046145070000 or CLSD LP on the S 0461053C0000 046185290000 046185290000 046105750000 046105750000	3808 3008 2808 2808 2808 GII. This is 10 2810 3810 2808 2808 4008 2808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 000100200000 000100010000 138800010000 13880EC90000 00090005FFD8 00090005FFD8	DLC DUC OIL FRI being injected uL uS FIV FIV FIV ICF I1C	Untested	x F x F x F xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) x.x liters x.x US Gallons, updates quickly x F x F
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07C02129 07C02129 07C02129 07C02129 07C02129 07E22175 07E22170 07E22171	056106740000 056106740000 046105410000 046105410000 0461053C0000 0461053C0000 0461053C0000 046185290000 046105750000 046105700000 046105710000	3808 3008 2808 2808 GII. This is 10 2810 3810 2808 2808 2808 2808 2808 2808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 0001000000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 00090005FFD8	DLC DUC OIL FRI being injected uL uS Flv Flv Flv ICF I1C I2C	Untested	x F x F x F xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) x.x liters x.x US Gallons, updates quickly x F x F x F x F
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07C02129 07E22175 07E22170 07E22171 07E2217C	056106740000 056106740000 046105410000 046105410000 04610530000 04610530000 04610530000 046153290000 04615750000 04610570000 04610570000 04615750000 04610570000 04610570000 04610570000 04610570000	3808 3008 2808 2808 GII. This is 10 2810 3810 2808 2808 4008 2808 2808 2808 2808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 000100010000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 00090005FFD8 00090005FFD8	DLC DUC OIL FRI being injected uL uS FIV FIV FIV ICF I1C I2C M1k	Untested	xF xF xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) x.x liters x.x US Gallons, updates quickly x F x F x F x F x Khz
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Injector microS Fuel Level (Liters) Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07C02129 07E22175 07E22170 07E22170 07E2217C 07E22161	056106740000 056106740000 046105410000 046105410000 04610530000 04610530000 04610530000 04610530000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 046105710000 046105710000 046105610000	3808 3008 2808 2808 GII. This is 10 2810 3810 2808 2808 4008 2808 2808 2808 2808 280	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 000100010000 138800E00000 13880EC90000 00090005FFD8 00090005FFD8 00090005FFD8 00090005FFD8	DLC DUC OIL FRI being injected uL uS Flv Flv Flv ICF I1C I2C M1k M1R	Untested	xF xF xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) xxx liters x.x US Gallons, updates quickly x F x F x F x F x x khz xxxx RPM
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM MG1 Temp	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07E22175 07E22170 07E22171 07E2217C 07E22161	056106740000 056106740000 046105410000 046105410000 04610530000 04610530000 04610530000 046185290000 046105750000 04610570000 046185290000 04610570000 04610570000 04610570000 04610570000 046105710000 046105610000	3808 3008 2808 2808 GII. This is 10 2810 3810 2808 2808 2808 2808 2808 2808 2808 2	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 13880010000 13880EC90000 00090005FFD8 00090005FFD8 00090005FFD8 00090005FFD8 00000000000000000000000000000000000	DLC DUC OIL FRI being injected uL uS Flv Flv Flv ICF I1C I2C M1k M1R M1C	Untested	xF xF xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) xxx liters x.x US Gallons, updates quickly x F x F x F x.x khz xxxx RPM x F
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM MG1 Temp MG1 Torque	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07E22175 07E22170 07E22171 07E2217C 07E22161 07E22161 07E22167	056106740000 056106740000 046105410000 046105410000 046105410000 04610530000 04610530000 046105320000 046105320000 046105320000 046105750000 046105750000 046105710000 04610570000 046105710000 046105610000 046105610000 046105610000	3808 3008 2808 2808 2810 3810 2808 2808 2808 2808 2808 2808 2808 2	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 13880010000 13880EC90000 00090005FFD8 00090005FFD8 00090005FFD8 0000000000 000100018000	DLC DUC OIL FRI being injected uL uS FIV FIV FIV ICF I1C I2C M1k M1R M1C M1T	Untested	x F x F x F x ST x F x ST x ST x Start Vision (Insure about scaling) xxx microL (unsure about scaling) xxx micro seconds (unsure about scaling) x.x liters x.x US Gallons, updates quickly x F x F x F x F x F x F x F x F x F x F x F x F x RPM x F xx.x ft-lbs (read high by 8%)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 Temp MG1 Torque MG2 Carrier Frequency	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07C02129 07E22175 07E22170 07E22171 07E22171 07E22161 07E22161 07E22167 07E2217C	056106740000 056106740000 046105410000 046105410000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 04610570000 046105750000 046105710000 046105710000 046105610000 046105610000 046185670000	3808 3008 2808 2808 2810 3810 2808 2808 2808 2808 2808 2808 2808 2	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 00000018000 000100018000 00090005FFD8 0000005FFD8	DLC DUC OIL FRI being injected uL uS FIV FIV FIV ICF I1C I2C M1k M1R M1C M1T M2k	Untested	xx F x F xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) xxx liters x.x US Gallons, updates quickly x F x F x F x F x F x x khz xxxx RPM x F xx.x ft-lbs (read high by 8%) x.x khz
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM MG1 Temp MG1 Torque MG2 Carrier Frequency MG2 RPM	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07E22175 07E22175 07E22170 07E22171 07E22161 07E22161 07E22161 07E22167 07E2217C 07E2217C 07E2217C	056106740000 056106740000 056106740000 046105410000 046105410000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 046105750000 046105750000 046105710000 04610570000 04610570000 04610570000 046105610000 046185670000 046185770000 046185670000 04618570000	3808 3008 2808 2808 2808 3810 2808 2808 2808 2808 2808 2808 2808 2	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 0000400140000 000100018000 000000000 0000000000	DLC DUC OIL FRI being injected uL uS FIV FIV FIV ICF I1C I2C M1k M1R M1C M1T M2k M2R	Untested	xxx F x F xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) xxx liters x.x US Gallons, updates quickly x F x F x F x F x F x F x F x Khz xxx RPM x F x.x thls (read high by 8%) x.x khz xxxx RPM
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM MG1 Torque MG2 Carrier Frequency MG2 RPM MG2 Temp	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07E22175 07E22175 07E22170 07E22171 07E22161 07E22161 07E22161 07E22167 07E22162 07E22162	056106740000 056106740000 056106740000 046105410000 046105410000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 04610570000 046105750000 04610570000 04610570000 04610570000 046105610000 046185670000 0461857C0000 0461857C0000 046105610000 046105610000 04610560000	3808 3008 2808 2808 2810 3810 2808 2810 3008 4010 3808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 00000005FFD8 0000005FFD8 0000005FFD8 00000005FFD8 00000005FFD8 00000005FFD8	DLC DUC OIL FRI being injected uL uS FIV FIV ICF I1C I2C M1k M1R M1C M1T M2k M2C	Untested	x F x F x F xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxxx micro seconds (unsure about scaling) xxx thers x.x US Gallons, updates quickly x F x F x F x F x F x F x F x Khz xxx RPM x F x.x thz xxx RPM x F x.x khz xxx RPM x.x khz xxx RPM x F
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM MG1 Temp MG1 Torque MG2 Carrier Frequency MG2 RPM MG2 Temp MG2 Temp	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07E22175 07E22175 07E22170 07E22171 07E22161 07E22161 07E22167 07E22162 07E22162 07E22162 07E22162	056106740000 056106740000 056106740000 046105410000 046105410000 046105410000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 046105750000 046105750000 046105710000 046105700000 046105610000 0461857C0000 0461857C0000 0461857C0000 046105610000 046105620000 046105620000 046105620000	3808 3008 2808 2808 2810 3810 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 28010 3008 2810	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 000100018000 00090005FFD8 000100018000 0000000000 00090005FFD8 000100018000 00090005FFD8	DLC DUC OIL FRI being injected uL uS FIv FIv ICF I1C I2C M1k M1R M1C M1T M2k M2R M2C M2T	Untested	xix F isolary builded coolarit tomp (req mm roo on con) x F x F x F xxxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx micro seconds (unsure about scaling) xxxx micro seconds (unsure about scaling) xxx triters x.x US Gallons, updates quickly x F x F x F x F x F x x Khz xxxx RPM x F xxx ft-lbs (read high by 8%) x.x ft-lbs (reads high by 8%)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM MG1 Temp MG1 Torque MG2 Carrier Frequency MG2 RPM MG2 Temp MG2 Temp MG2 Torque Outside Temp	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07C02129 07E22175 07E22175 07E22170 07E22171 07E22161 07E22161 07E22167 07E22162 07E22162 07E22162 07E22168 07E22101	056106740000 056106740000 056106740000 046105410000 046105410000 046105410000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 0461053C0000 046105750000 046105750000 046105710000 046105710000 0461570000 0461570000 0461570000 04615570000 046105610000 046105620000 046105620000 046105620000 046185680000 056106010000	3808 3008 2808 2808 2810 3810 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2810 3808 2810 4808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 000100018000 00090005FFD8 000100018000 0000005FFD8 000100018000 0000005FFD8 000100018000 00090005FFD8 000100018000 00090005FFD8	DLC DUC OIL FRI being injected uL uS Fiv Fiv ICF I1C I2C M1k M1R M1C M1T M1C M2R M2C M2T ExF	Untested	xist if research provided econdition (requiring reset) x F x F x F x F xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxx micro seconds (unsure about scaling) xxx micro seconds (unsure about scaling) xxx titers x.x US Gallons, updates quickly x F x F x F x x khz xxx RPM x F xx. khz xxx RPM x F xxx khz xxx RPM x F xxx RPM x F xxx RPM x F xxx thz xxx RPM x F xxx thz xxx RPM x F xxx ft-lbs (reads high by 8%) x F (Ambient Temp)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Flow microL Fuel Injector microS Fuel Level (Liters) Fuel Level (Liters) Fuel Level (US Gallons) Inverter Coolant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 RPM MG1 Temp MG1 Torque MG2 Carrier Frequency MG2 RPM MG2 Temp MG2 Temp MG2 Torque Outside Temp Regen Cooperation	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07C02129 07E22175 07E22175 07E22170 07E22171 07E22171 07E22161 07E22161 07E22162 07E22162 07E22162 07E22162 07E22168 07E22101 07B02158	056106740000 056106740000 046105410000 046105410000 04610530000 04610530000 04610530000 04610530000 04610530000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 046105610000 0461857C0000 0461857C0000 04618560000 04618560000 04615520000 04615520000 04615520000 04615520000 04615520000 04615520000 046125580000	3808 3008 2808 2808 2810 3810 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2810 3808 2810 3808 2810 3808 2810 4808 2808	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 138800010000 13880EC90000 00090005FFD8 00090005FFD8 00090005FFD8 00010018000 00090005FFD8 00010018000 00090005FFD8 00010018000 00090005FFD8 000100018000 00090005FFD8 000100018000 00090005FFD8 000100018000	DLC DUC OIL FRI being injected uL uS FIV FIV ICF I1C I2C M1k M1R M1R M1C M1T M2k M2R M2C M2T ExF RGC	Untested	x F x F x F xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxx micro seconds (unsure about scaling) x.x liters x.x US Gallons, updates quickly x F x F x F x F x Khz xxx RPM x F xx.x th-lbs (read high by 8%) x.x khz xxx RPM x F x.x th-lbs (read high by 8%) x.x th-lbs (read high by 8%) x x x ft-lbs (reads high by 8%) x x ft-lbs (reads high by 8%)
DC/DC Lower Converter Temp DC/DC Upper Converter Temp Distance Since Oil Change Friction Brake Sensor Fuel Cut On or Off Fuel Injector microS Fuel Level (Liters) Fuel Level (Liters) Fuel Level (US Gallons) Inverter Colant Temp Inverter MG1 Temp Inverter MG2 Temp MG1 Carrier Frequency MG1 Torque MG2 Carrier Frequency MG2 Carrier Frequency MG2 Torque MG2 Torque Outside Temp Regen Cooperation Regen Operating Force	07E22174 07E22174 07C02141 07B02107 Use the built in OPEN LI 07E0213C 07E0213C 07C02129 07C02129 07C02129 07C02129 07E22175 07E22175 07E22175 07E22170 07E22171 07E22161 07E22161 07E22161 07E22162 07E22162 07E22162 07E22168 07E22101 07E02158 07B02148	056106740000 056106740000 046105410000 046105410000 04610530000 04610530000 04610530000 04610530000 04610530000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 04610570000 04618570000 04618570000 04618570000 04618570000 0461856000 0461856000 0461552000 0461552000 0461552000 0461552000 0461552000 0461552000 0461552000 0461552000 0461558000 056106010000 046125580000 046105480000	3808 3008 2808 2808 2810 3810 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 2808 4010 3808 2810 3808 2810 3808 2810 3808 2810 3808 2810 3808 2810 3808 2810 3808 2810 4028 2808 40008	00090005FFD8 00090005FFD8 006400010000 00020001FFCE 0% accurate if fuel is 00010020000 13880010000 13880010000 13880EC90000 00090005FFD8 00090005FFD8 000400140000 00010018000 00090005FFD8 00010018000 00090005FFD8 00010018000 00090005FFD8 000100018000 0009005FFD8 000100018000 0009005FFD8 000100018000 0009005FFD8	L II DLC DUC OIL FRI being injected u uS Flv FIv ICF I1C I2C M1k M1R M1C M1T M2k M2R M2C M2T ExF RGC RGO	Untested	x F x F x F x F x F x x F xxx Miles since last oil change (reset) 0.00-4.50 (Shows actual friction braking amount) xxx microL (unsure about scaling) xxx micro seconds (unsure about scaling) xxx micro seconds (unsure about scaling) xxx Iters x.x US Gallons, updates quickly x F x F x F x F x x khz xxxx RPM x F xxx thrlbs (read high by 8%) x.x khz xxxx RPM x F xxx RPM x F xxx ft-lbs (reads high by 8%) x F x.x ft-ls (reads high by 8%) x F x.x ft-lbs (reads high by 8%)

Room Temp	07C42121	046185210000	2808	005A001400CB	RmF		xx.x F - Temperature inside cabin
State of Charge	07E2015B	0441855B0000	2808	03E800FF0000	SoC		xx % Found by "Lobato (motoleon)" See changelog
Vehicle Load	07E02101	056106010000	4008	006400FF0000	vLD		Not sure exactly what this is 0-100%
Voltage After Boost (Battery)	07E22174	010702EA0321	3010	000100020000	BVB		xxx V Voltage after Boost
Disable Traction Control	07E230610040	047025610000	2008	000100010000	DTC		Car in IGN-ON, NOT READY. Reset: Turn car off and on again.
Seat Belt Beep Query	07C021A7	046115A70000	2808	000100010000	SBQ		C0 for stock, 00 for disable
Seat Belt Beep Disable	07C03BA700	047B15A70000	2008	000100010000	SBS		Should return A7. Replace '00' with 'C0' to go back to stock.
Set Battery Cooling Fan Speed	07E23081060x	047025810000	2008	000100010000	SFS		Replace 'x' with 0 through 6 (6 is max) [Shows ON when set]
Reverse Beep Query	07C021AC	046115AC0000	2808	000100010000	RBQ		40 for disabled, 00 for enable beeping
Reverse Beep Disable	07C03BAC40	047B15AC0000	2008	000100010000	RBS		Should return AC. Replace '40' with '00' to go back to stock.
Barometric Pressure	07E02101	010702E80321	3008	000100010000	AP	Not work.	xxx kPa Prob. same as gen OBD-II (Req firm 4.05 on SGII)
Cruise Set Speed	07E22121	046105210000	2008	3D09623A0000	CSt	Incomp.	MPH (does not seem to work)
System Off Time	07E02137	010702E80323	1808	000100060000	SOt	Not work.	Hours since last READY (0h-42h)
Total Trip Time	50	'800000000000	'0000	'000000000000	crt	Generic	hours x.x
Horse Power (engine)	00	40008000000	0000	000A00170000	HP	Generic	Horsepower
KiloWatt Power (engine)	00	40008000000	0000	000A001F0000	kW	Generic	KiloWatt Power
Current avg. trip MPG	00	80000000000	0000	000000000000	cfe	Generic	current FE (same on AVG xgauge)
Daily avg. MPG	01	80000000000	0000	000000000000	dfe	Generic	daily FE
ODBII Error Count	07E00101	044185010000	2907	000100010000	Oec	Generic	
Manifold Air Flow	07E00110	044145100000	2810	000100010000	Maf	Generic	0 - 655.35 g / s
MIL trip distance	07E00121	044105210000	2810	000100010000	Mkm	Generic	0-65535 Km
12V battery (control unit)	07E00142	044145420000	2810	0001000A0000	Cmv	Generic	0-65,5 V
Absolute Load Value	07E00143	044105430000	2810	000100010000	Alv	Generic	?
Throttle position (relative)	07E00145	044185450000	2808	03E800FF0000	Tpr	Generic	%
Ambient	07E00146	044105460000	2808	00010001FFD8	Aat	Generic	-40 - 215 °C
Throttle position (absolute)	07E00147	044185470000	2808	03E800FF0000	Тра	Generic	%
Engine Runtime	07DF011F	0441051F	2810	0001003C0000	Cet	Generic	Minutes
Catalyst temp C 1	07DF013C	0441853C	2810	00010001FFD8	Ct1	Generic	-40 – 6513℃
Catalyst temp F 1	07DF013C	0441853C	2810	00090005FFD8	Ct1	Generic	xx F
Catalyst temp C 2	07DF013E	0441853E	2810	00010001FFD8	Ct2	Untested	-40 – 6513℃ May not work on Prius
Catalyst temp F 2	07DF013E	0441853E	2810	00090005FFD8	Ct2	Untested	xx F May not work on Prius
MIL Mileage Time	07E0014D	0441054D0000	2810	000100010000	Mti	Generic	0-65535 min
Time since Cleard	07E0014E	0441054E0000	2810	000100010000	Cti	Generic	0-65535 min
Barometric Pressure	07DF0133	04418533	2808	006400450000	BPr	Generic	PSI
Hybrid Pack Remaining Life	07DF015B	0441855B	2808	03E800FF0000	BPL	Untested	0 - 100 % UNTESTED, may not work on Prius
Engine Oil Temp	07DF015C	0441855C	2810	00090005FFD8	OTF	Untested	-40 - xxxxx F UNTESTED, may not work on Prius

Change log:

1.18.2010 First Edition. Problems with MG1/2 torque. Also MG1/2 temp acts funny -- seems too high.

1.21.2010 Added Steering angle passive .. need to fix scale as it's not scaled right now.

1.29.2010 Changed steering angle RXF. Scangauge II bug results in positive number when lower than -99.9

Fixed MG1/2 Temp C -- now uses correct MTH (math)

Added MG1/2 Temp F (untested at this point)

Removed MG1/2 torque in NM entry until I do further testing

If AMP XGAUGE reads more than -99.9 then you will see readings like 6426 -- this is a ScanGauge II bug in at least firmware 3.17F Added and working on ExC. I1C. I2C. DUC and DLC Added and working on wheel speed (passive) 1.31.2010 Added Vehicle and Calculated Load Added ICE RPM passive gauge, runs at 60fps -- very nice Completed ExC, I1C, I2C, DUC and DLC Added fuel injector micro-seconds 2.4.2010 Need to fix DLC. DUC --- for now I removed the RXD until I look at my notes 2.6.2010 Put RXD back in for DLC and DUC. Should be correct though I haven't tested. Added Inverter Coolant Temp 2.10.2010 Added Regen Cooperation indicates when regen brakes are active Added Regen Requested and Operation -- first shows what brake ECU wants and second shows what it is actually getting from Hybrid ECU 2.11.2010 Added Friction Brake Output --> This is supposed to show pressure at wheel cylinders, but I do not think it's working correctly Working on Headlight auto-off commands. Might not be possible to set with SGII Added A/C compressor power usage (untested right now) Added Room Temp in F, but untested and I am not 100% sure on math due to low number of samples 2.20.2010 Added Fuel Level, shows in gallons. Added fuel cut discovery I don't know which byte represents fuel cut mode yet, so this is to test 2.21.2010 Removed Fuel Cut Discovery -- they didn't work. Added 3 "Hybrid Unknown" passive gauges. These come from the Hybrid ECU Changed "FRI" to be Brake Pedal Force "BFC" which it actually is... Added Friction Braking Sensor "FRI" which will show you how much friction force there is. Should read 0.00-4.20 Removed Headlight guery as it won't work due to the SGII not supporting CAN 5-byte 2.24.2010 Added Battery Charge and Discharge Max (still untested, but I think should be working) 8.23.2010 Added Catalyst Temp F thanks for HKPriustech 8.28.2010 Added Barometric Pressure (Standard OBD-II CAN) Fixed Catalyst Temperature (Standard OBD-II CAN) Changed engine run time to Minutes Preliminary battery temperature readings 8.29.2010 Traction Batter Temp (correct) Fixed problem with Catalyst Temp 2.25.2011 Added single frame SoC found by Lobato (motoleon) -- reported working but I haven't tested yet - His website: http://lobato.cz.cc/index.html - Original thread: http://mitoyotaprius.mforos.com/1727338-tuning-prius-3g/ - Math wasn't correct on SoC so I fixed Updated fuel cut to reflect the fact that fuel cut is accurately reported by looking at CLSD or OPEN LOOP on the SGII. 2.27.2011 Added MG1 and MG2 Carrier frequency. This is what the inverter drives the motors with. Can only show one at a time. 6.24.2011 Added Fuel Level in liters. Have not tested but I think it should work. 7.1.2011 Added Cruise Set fields -- something is still wrong with this one. Does not show correct information. 7.11.2011 Added some new multi-frame XGAUGs thanks for "vincent1449p" from Priuschat.com. I have not personally tested these yet but they have been confirmed to work by another user. All of these require minimum of firmware 4.05 on the ScanGauge II or they will not work. Added Status column. If it's blank it means the XGAUGE is working properly. Otherwise please note the indicated status of the XGAUGE. Fixed Catalyst Temperature Sensor 2 (Untested) Added Long and Short term fuel trim (Untested) Added Engine Oil Temp and Hybrid Battery Pack (probably won't work on the Gen 3) 11.21.2011 Add Battery Temp 4 and also added correct MTH for all parameters. Frank T provided accurate and refined readings for the 4 battery temperature sensors. See forums here for more information: (in Spanish) http://mitoyotaprius.foros.com

Added System Off Time (thanks to Frank T) [update doesn't seem to work] Sorted main list alphabetically

11.24.2011 Updated testing status on all main XGAUGES

Added: Distance since last oil change (reset) -- shows in Miles. Will probably return KM on car with metric MFD

Added: Disable Traction control. Puts car into Certification mode. Car must be on IGN-ON but NOT ready to set. To go back to normal, turn car off and on again.

Added: Set HV Battery Cooling fan speed (0-6 with 6 being 100% speed and 0 being off.) After a few seconds fan will go back to normal car control once you change to diff gauge Added: Read HV Battery Cooling fan speed (will show 0-6) -- test by setting fan speed

Added Battery Block Voltage. Thanks to vincent1449p @ Priuschat

Added Battery Block Resistance. Thanks to vincent1449p @ Priuschat

See post http://priuschat.com/forums/gen-iii-2010-prius-technical-discussion/64406-scangaugeii-work-2010-a-40.html#post1362631