

Name	ShortName	ModeAndP	Equation	Min Value	Max Value	Units	Header
ICE Actual	ICE Rev	010C	$(64 * A) + (0$	0	5000	rpm	7.00E+00
ICE Actual	ICE Torque	21CD	$(A - 128) * 0$	0	82	lb-ft	7.00E+00
MG2 Powe	MG2 Powe	21C3	$(256 * A + B$	-67	67	hp	7.00E+02
MG1 Powe	MG1 Powe	21C3	$(256 * G + H$	-34	34	hp	7.00E+02
ICE Power	ICE Power	21C3	$((256 * K) +$	0	76	hp	7.00E+02
HV Battery	NiMH Powe	21C3	$((2 * AC) * (;$	-36	36	hp	7.00E+02
Combined	HSD Power	21C3	$((256 * A + E$	0	110	hp	7.00E+02
MG2 Revol	MG2 Rev	21C3	$((256 * A) +$	-2000	7000	RPM	7.00E+02
MG2 Torqu	MG2 Torqu	21C3	$((32 * C) + (;$	-300	300	lb-ft	7.00E+02
MG1 Revol	MG1 Rev	21C3	$((256 * G) -$	-13000	13000	RPM	7.00E+02
MG1 Torqu	MG1 Torqu	21C3	$((32 * I) + (;$	-200	200	lb-ft	7.00E+02
Target Engi	Targ ICE Sp	21C3	$(256 * M) +$	0	8000	RPM	7.00E+02
Engine Spe	ICE Spd	21C3	$(256 * O) +$	0	8000	RPM	7.00E+02
Brake - Ma	Mast Cyl Tc	21C3	$(4 * R - 512)$	-378	375	lb-ft	7.00E+02
Brake - Reg	Regen Brak	21C3	$(4 * E) * 0.7;$	0	137	lb-ft	7.00E+02
Brake - Fric	Brake Pad	21C3	$((4 * R - 512$	-200	0	lb-ft	7.00E+02
Brake - Hyc	Hydraulic F	21C3	$((4 * F) - (4 *$	-200	0	lb-ft	7.00E+02
Friction Br	F-Brake Po	21C3	$((((256 * A)$	0	200	hp	7.00E+02
Injection p	Injection N	21F3	$C * 0.128$	0	32.64	ms	7.00E+00
State Of Ch	HV SOC	21C3	$0.392 * S$	40	80	%	7.00E+02
WOUT HV	HV Pwr Ou	21C3	$320 * T$	0	21	kW	7.00E+02
WIN HV Ba	HV Pwr In	21C3	$U - 40800$	-25	0	kW	7.00E+02
Discharge F	HV Out Rec	21C3	$V - 20480$	-20480	20320	Watt	7.00E+02
Drive Cond	Drive Cond	21C3	X	0	6	Num	7.00E+02
MG1 Invert	MG1 Inv Tc	21C3	$1.8 * Y - 58$	-58	401	F	7.00E+02
MG2 Invert	MG2 Inv Tc	21C3	$1.8 * Z - 58$	-58	401	F	7.00E+02
Motor Tem	MG2 Temp	21C3	$1.8 * AA - 5$	-58	401	F	7.00E+02
Motor Tem	MG1 Temp	21C3	$1.8 * AB - 5$	-58	401	F	7.00E+02
Power Res	HV VB	21C3	$2 * AC$	150	300	Volt	7.00E+02
Power Res	HV IB	21C3	$2 * AE - 25($	-100	100	Amp	7.00E+02
Accelerator	Accel Deg	21C4	$0.392 * C$	0	100	%	7.00E+02
VL-Voltage	HV Before	21C4	$2 * D$	0	510	Volt	7.00E+02
VH-Voltage	HV After Bc	21C4	$2 * E$	0	765	Volt	7.00E+02
Converter	Conv Temp	21C4	$1.8 * F - 58$	-58	401	F	7.00E+02
Crank Posit	Crank Posit	21C4	$0.706 * G$	0	100	Degree	7.00E+02
System Ma	Relay1 Stat	21C4	$\{H:0\}$	0	1	Bin	7.00E+02
System Ma	Relay2 Stat	21C4	$\{H:1\}$	0	1	Bin	7.00E+02
System Ma	Relay3 Stat	21C4	$\{H:2\}$	0	1	Bin	7.00E+02
Converter	Conv Carrie	21C4	$\{I:0\}$	0	1	Bin	7.00E+02
Smart Key	:SKS	21C4	$\{I:2\}$	0	1	Bin	7.00E+02
Aircon Gat	AC Gate	21C4	$\{I:4\}$	0	1	Bin	7.00E+02
Converter	Conv Gate	21C4	$\{I:5\}$	0	1	Bin	7.00E+02
MG2 Gate	MG2 Gate	21C4	$\{I:6\}$	0	1	Bin	7.00E+02
MG1 Gate	MG1 Gate	21C4	$\{I:7\}$	0	1	Bin	7.00E+02
Motor (MG	MG2 Torq	21C4	$4 * J - 512$	-512	508	Nm	7.00E+02
Motor (MG	MG1 Torq	21C4	$4 * K - 512$	-512	508	Nm	7.00E+02

Short Circu SCW High	21C4	0.019608 *	0	5 Volt	7.00E+02
Raising Pre Pressure R	21C4	0.392 * O	0	100 %	7.00E+02
Aircon Con AC Power	21C4	0.019608 *	0	5 kW	7.00E+02
HV Battery HV SOC	21CE	0.5 * A	40	80 %	7.00E+03
HV Battery HV Current	21CE	(2.56 * B) -	-100	100 Amp	7.00E+03
HV Battery HV Batt Air	21CF	(256 * 9 / 5	-558	622 F	7.00E+03
Battery Po HV Power	21CE	((2.56 * B)	-36	36 hp	7.00E+03
HV Battery HV Block1	21CE	(2.56 * D) -	0	18 Volt	7.00E+03
HV Battery HV Block2	21CE	(2.56 * F) +	0	18 Volt	7.00E+03
HV Battery HV Block3	21CE	(2.56 * H) +	0	18 Volt	7.00E+03
HV Battery HV Block4	21CE	(2.56 * J) +	0	18 Volt	7.00E+03
HV Battery HV Block5	21CE	(2.56 * L) +	0	18 Volt	7.00E+03
HV Battery HV Block6	21CE	(2.56 * N) +	0	18 Volt	7.00E+03
HV Battery HV Block7	21CE	(2.56 * P) +	0	18 Volt	7.00E+03
HV Battery HV Block8	21CE	(2.56 * R) +	0	18 Volt	7.00E+03
HV Battery HV Block9	21CE	(2.56 * T) +	0	18 Volt	7.00E+03
HV Battery HV Block10	21CE	(2.56 * V) +	0	18 Volt	7.00E+03
HV Battery HV Block11	21CE	(2.56 * X) +	0	18 Volt	7.00E+03
HV Battery HV Block12	21CE	(2.56 * Z) +	0	18 Volt	7.00E+03
HV Battery HV Block13	21CE	(2.56 * AB)	0	18 Volt	7.00E+03
HV Battery HV Block14	21CE	(2.56 * AD)	0	18 Volt	7.00E+03
Internal Re IR1	21D0	0.001 * P	0	10 Ohm	7.00E+03
Internal Re IR2	21D0	0.001 * Q	0	10 Ohm	7.00E+03
Internal Re IR3	21D0	0.001 * R	0	10 Ohm	7.00E+03
Internal Re IR4	21D0	0.001 * S	0	10 Ohm	7.00E+03
Internal Re IR5	21D0	0.001 * T	0	10 Ohm	7.00E+03
Internal Re IR6	21D0	0.001 * U	0	10 Ohm	7.00E+03
Internal Re IR7	21D0	0.001 * V	0	10 Ohm	7.00E+03
Internal Re IR8	21D0	0.001 * W	0	10 Ohm	7.00E+03
Internal Re IR9	21D0	0.001 * X	0	10 Ohm	7.00E+03
Internal Re IR10	21D0	0.001 * Y	0	10 Ohm	7.00E+03
Internal Re IR11	21D0	0.001 * Z	0	10 Ohm	7.00E+03
Internal Re IR12	21D0	0.001 * AA	0	10 Ohm	7.00E+03
Internal Re IR13	21D0	0.001 * AB	0	10 Ohm	7.00E+03
Internal Re IR14	21D0	0.001 * AC	0	10 Ohm	7.00E+03
VMF Fan M HV Fan V	21CF	(0.2 * C) - 2	9	12 Volt	7.00E+03
Auxiliary B: Aux Batt V	21CF	(0.2 * D) - 2	0	15 Volt	7.00E+03
HV Battery HV Charge	21CF	E - 64	0	50 kW	7.00E+03
HV Battery HV Dischar	21CF	F - 64	0	50 kW	7.00E+03
Delta SOC Delta SOC	21CF	0.01 * G	0	60 %	7.00E+03
HV Battery HV Fan Spd	21CF	I	0	6 Num	7.00E+03
HV Battery HV Batt T1	21CF	(256 * 9 / 5	-558	622 F	7.00E+03
HV Battery HV Batt T2	21CF	(256 * 9 / 5	-558	622 F	7.00E+03
HV Battery HV Batt T3	21CF	(256 * 9 / 5	-558	622 F	7.00E+03
HV Battery HV Blocks	21D0	A	0	14 Num	7.00E+03
Accumulat HV Batt Lo	21D0	(256 * B) +	0	5000 Sec	7.00E+03
Accumulat DC Inhibit	21D0	(256 * D) +	0	5000 Sec	7.00E+03

Accumulatı HV Batt Hię 21D0	(256 * F) +	0	5000 Sec	7.00E+03
Accumulatı HV Batt Teı 21D0	(256 * H) +	0	5000 Sec	7.00E+03
NiMH Volt NiMH Deltı 21D0	((2.56 * M)	-3	3 Volt	7.00E+03
HV Battery HVB Min V 21D0	(2.56 * J) +	0	15 Volt	7.00E+03
HV Battery HVB Min # 21D0	L	0	13 Num	7.00E+03
HV Battery HVB Max V 21D0	(2.56 * M)	0	23 Volt	7.00E+03
HV Battery HVB Max # 21D0	O	0	13 Num	7.00E+03
Regenerati Regen Torc 21C3	4 * E	0	186 Nm	7.00E+02
Request Re Req Regen 21C3	4 * F	0	186 Nm	7.00E+02
Power Req Power Rqsı 21C3	(256 * K) +	0	320000 Watt	7.00E+02
MG2 Torqu MG2 Torq 21C3	(32 * C) + (-400	400 Nm	7.00E+02
MG1 Torqu MG1 Torq 21C3	(32 * I) + (C	-200	200 Nm	7.00E+02
Shift Senso Shift Main 21C3	0.019608 *	0	5 Volt	7.00E+02
Shift Senso Shift Sub 21C3	0.019608 *	0	5 Volt	7.00E+02
Shift Senso Shift Sel Mı 21C3	0.019608 *	0	5 Volt	7.00E+02
Shift Senso Shift Sel Su 21C3	0.019608 *	0	5 Volt	7.00E+02
Shift Senso Shift Positiı 21C3	0.019608 *	0	5 Num	7.00E+02
Driving Pat Drive Patte 21C4	{A:0}	0	1 Bin	7.00E+02
Driving Pat Drive Patte 21C4	{A:1}	0	1 Bin	7.00E+02
Driving Pat Drive Patte 21C4	{A:2}	0	1 Bin	7.00E+02
Loading Co Load Cond 21C4	{A:7}	0	1 Bin	7.00E+02
Engine Wai ICE Warm F 21C4	{B:0}	0	1 Bin	7.00E+02
Aircon Req Aircon Req 21C4	{B:1}	0	1 Bin	7.00E+02
Engine Stoı ICE Inhibit I 21C4	{B:2}	0	1 Bin	7.00E+02
HVAC OBD HVAC Req 21C4	{B:3}	0	1 Bin	7.00E+02
Main Batte HV Charge 21C4	{B:4}	0	1 Bin	7.00E+02
Engine Idli ICE Idle Rec 21C4	{B:5}	0	1 Bin	7.00E+02
Engine Stoı ICE Stop Re 21C4	{B:6}	0	1 Bin	7.00E+02
Check Mod Chk Mode 21C4	{B:7}	0	1 Bin	7.00E+02
Master Cylı Mast Cyl Tı 21C3	(4 * R) - 51	-512	508 Nm	7.00E+02
Cruise Coni CC Set 21D3	A	0	150 km/h	7.00E+02
Cruise Thrc CC Throt Al 21D3	0.3922 * B	0	100 %	7.00E+02
Cruise Coni CC Switch 21D3	{C:0}	0	1 Bin	7.00E+02
Cruise Coni CC Ready 21D3	{C:2}	0	1 Bin	7.00E+02
Cruise Coni CC Indicato 21D3	{C:5}	0	1 Bin	7.00E+02
Cruise Coni CC 21D3	{C:6}	0	1 Bin	7.00E+02
Shift D Posi Shifter D 21D3	{C:7}	0	1 Bin	7.00E+02
Stop Light ! Stop Light1 21D3	{D:0}	0	1 Bin	7.00E+02
Stop Light ! Stop Light2 21D3	{D:1}	0	1 Bin	7.00E+02
Stop Light ! Stop Light3 21D3	{D:2}	0	1 Bin	7.00E+02
RES / ACC ı CC RES/ACı 21D3	{D:3}	0	1 Bin	7.00E+02
SET / COAS CC Set/Coa 21D3	{D:4}	0	1 Bin	7.00E+02
Cancel Swii CC Cancel 21D3	{D:5}	0	1 Bin	7.00E+02