PowerpaK Traction SEM Personality Setup Sheet

Document: 171S45629
Revision: A
ECR Number: 23196

Controller Part Number: 632S45629
Controller Type: PP745
Customer: Generic
Personality Checksum: 48908

Calibrator Reference	CAN Name	Description	Minimum Value	Maximum Value	Step	Actual Value
1.1.1A	0	Armature I Max (A)	50	500	10	500
1.1.1F	1	Field I Max (A)	10	50	1	50
1.1.2	2	Traction Accel Delay (s)	0.1	20.0	0.1	1.5
1.1.3	3	Traction Decel Delay (s)	0.1	5.0	0.1	0.3
1.1.4	4	Traction Creep Speed (%)	0	25	1	0
1.1.5	5	Direction Regen Current (A)	0	500	10	200
1.1.5	70	Direction Regen Time (s)	0.1	5.0	0.1	1.5
1.1.6	6	Regen Neutral Braking (A)	0	500	10	150
1.1.7	7	Regen Foot Braking (A)	0	500	10	0
1.1.8	8	Traction Regen Delay (ms)	0	300	10	50
1.1.9	9	Regen Threshold Voltage (V)	0.09	3.20	0.016	2
1.1.10	10	Traction Maximum Speed (%)	0	100	1	100
1.1.11	69	Rolloff Field Strength (%)	0	100	1	100
1.1.12	11	Traction Cut 1 Speed (%)	0	100	1	100
1.1.13	12	Traction Cut 1 Accel (s)	0.1	5.0	0.1	1.5
1.1.14	13	Traction Cut 2 Speed (Reverse Direction Speed) (%)	0	100	1	100
1.1.15	14	Traction Cut 2 Accel (Reverse Direction Acceleration) (s)	0.1	5.0	0.1	1.5
1.1.16	15	Traction Cut 3 Speed (%)	0	100	1	100
1.1.17	16	Traction Cut 3 Accel (s)	0.1	5.0	0.1	1.5
1.1.18	17	Inch Speed (%)	0	25	1	0
1.1.19	18	Inch Burst Length (s)	0.0	5.0	0.1	1.0
1.1.20	19	Power Steer Delay (s)	0	60	1	5
1.1.21	20	Traction Seat Delay (s)	0.0	5.0	0.1	2.0
1.1.22	21	Traction Accelerator Zero Voltage (V)	0.00	5.00	0.02	3.50
1.1.23	22	Traction Accelerator Full Voltage (V)	0.00	5.00	0.02	0.10
1.1.24	23	Footbrake Zero Voltage (V)	0.00	5.00	0.02	0.10
1.1.25	24	Footbrake Full Voltage (V)	0.00	5.00	0.02	4.90
1.1.26	25	Economy Zero Voltage (V)	0.00	5.00	0.02	0.10
1.1.27	26	Economy Full Voltage (V)	0.00	5.00	0.02	4.90
1.1.28	27	Steer Left Voltage (V)	0.00	5.00	0.02	0.10
1.1.29	82	Steer Centre Voltage (V)	0.00	5.00	0.02	2.50
1.1.30	28	Steer Right Voltage (V)	0.00	5.00	0.02	4.90
1.1.31	29	Steer Inner Angle (Degrees)	5	70	1	25
1.1.32	30	Steer Outer Angle (Degrees)	30	85	1	75
1.1.33	76	Constant Speed Limit (KPH)	4.0	6.0	0.2	5.6
1.1.34	79	Belly Delay (s)	0.5	5.0	0.1	1.5
1.1.35	31	Traction Speed Limit (KPH)	0.0	51.0	0.2	5.0
1.1.36	71	Speed Proportional Adjustment	0	100	1	0
1.1.37	80	Brake Proportional Adjustment	0	100	1	32
1.1.38	72	Speed Integral Adjustment	0	100	1	0
1.1.39	81	Brake Integral Adjustment	0	100	1	3
1.1.40	32	Low Battery Start (V)	14.5	48.0	0.5	18.0
1.1.41	33	Low Battery Cutout (V)	14.5	48.0	0.5	14.5
1.1.42	37	Battery Protection Delay (s)	0.1	2.5	0.1	0.5

1.1.43	34	High Battery Start (V)	14.5	75.0	0.5	65.0
1.1.44	35	High Battery Cutout (V)	14.5	75.0	0.5	70.0

Calibrator Reference	CAN Name	Description	Minimum Value	Maximum Value	Step	Actual Value
1.4.2	45	BDI Reset Level (V)	2.00	2.50	0.01	2.09
1.4.3	46	BDI Discharge Level (V)	1.50	1.99	0.01	1.73
1.4.4	47	BDI Warning Level (%)	0	90	1	20
1.4.5	48	BDI Cutout Level (%)	0	90	1	10

Calibrator Reference	CAN Name	Description	Minimum Value	Maximum Value	Step	Actual Value
1.6.1	56	System Type				Standalone
1.6.2	60	Digital I/O Configuration	1	15	1	8
1.6.3	61	Analogue Inputs Configuration	1	#NAME?	1	2
1.6.4	57	Chop Select				On
1.6.5	58	Accel Type				Curved
1.6.6	66.3	BDI				Off
1.6.7	59	Power Steer Trigger				F+B
1.6.8	66.4	Economy Cuts Current				Off
1.6.9	66.5	SRO				Off
1.6.10	66.6	Braking				Prop
1.6.11	67.1	Control Mode				Torque
1.6.12	67.4	Tiller Up Fwd				Off
1.6.13	66.1	Fault Log				Off
1.6.14	66.2	Service Log				On
1.6.15	68	Vehicle Full Speed (KPH)	0.0	51.0	0.2	20.0
1.6.16	66.7	Steer Reverse				On
1.6.17	66.8	RollOff E.Brake				Off
1.6.18	44	BDI Battery Voltage (V)	24	80	2	48
1.6.19	67.5	Seat Cuts Pump				Off

Calibrator Reference	CAN Name	Description	Minimum Value	Maximum Value	Step	Actual Value
1.7.1	49	Armature Current Low (A)	10	240	10	50
1.7.2	50	Field Current Low (A)	2.00	15.00	0.25	6.00
1.7.3	51	Armature Current Mid (A)	50	500	10	240
1.7.4	52	Field Current Mid (A)	6.00	50	1	25
1.7.5	53	Armature Current High (A)	140	500	10	500
1.7.6	54	Field Current High (A)	15	30	1	50
1.7.7	74	Armature Resistance (mOhm)	0	255	1	30
1.7.8	75	Field Resistance (Ohm)	0.25	2.50	0.01	0.50

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1.8.1	42	Display Default Hours				Key
1.8.2	43	Display Status Type				Off
1.8.3	41	Display Contrast	0	127	1	35
1.8.4	38	FFD Indicator 1				Off
1.8.5	39	FFD Indicator 2				Off
1.8.6	40	Display Fault Messages				On