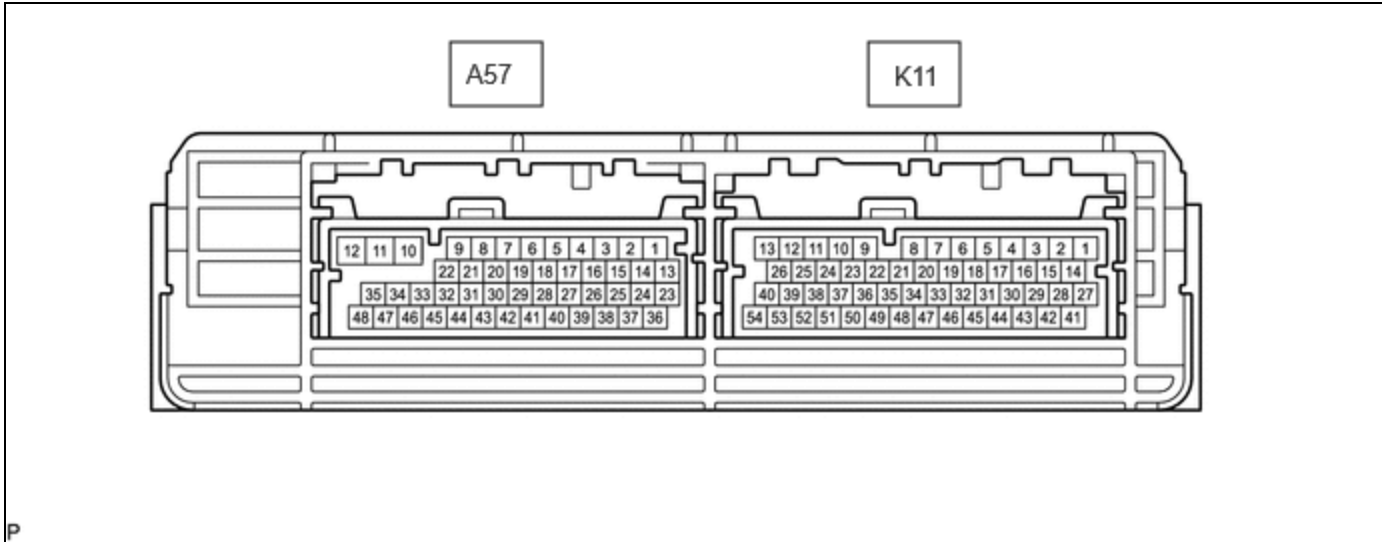


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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HYBRID / BATTERY CONTROL: HYBRID CONTROL SYSTEM (for PHEV Model): TERMINALS OF ECU; 2023 - 2024 MY Prius Prime [03/2023 -]		

TERMINALS OF ECU

HYBRID VEHICLE CONTROL ECU



CONNECTOR CODE	TERMINAL NO.	SYMBOL	TERMINAL DESCRIPTION
K11	1	E1	ECU ground
	2	-	-
	3	SMRB	System main relay operation signal output (SMRB)
	4	-	-
	5	IGB	IGB signal input
	6	-	-
	7	-	-
	8	+B1	Power source (+B)
	9	CA4H	CAN communication signal
	10	MREL	Main relay
	11	ST2	Starter signal input
	12	ABFS	Airbag activation signal input
	13	BATT	Constant power source
	14	WCEN	Charging permission signal
	15	-	-
	16	-	-
	17	-	-

CONNECTOR CODE	TERMINAL NO.	SYMBOL	TERMINAL DESCRIPTION
	18	-	-
	19	-	-
	20	-	-
	21	-	-
	22	CA4L	CAN communication signal
	23	-	-
	24	-	-
	25	-	-
	26	IGP	IGP signal input
	27	SMRG	System main relay operation signal output (SMRG)
	28	-	-
	29	CCS	Cruise control main switch input
	30	-	-
	31	-	-
	32	ILK	Interlock switch input
	33	EVHV	HV EV CHG HOLD switch signal input
	34	SBFS	Electronic shift lever system fail-safe signal
	35	HCIV	Power outlet switch signal
	36	-	-
	37	DMS-	Drive mode switch signal input
	38	DMS+	Drive mode switch signal input
	39	IMO	ID code box (immobiliser code ECU) communication output
	40	-	-
	41	-	-
	42	EVMS	AUTO EV/HV mode switch signal
	43	CCSG	Cruise control main switch ground
	44	-	-
	45	-	-
	46	-	-
	47	-	-
	48	-	-
	49	CA3N	CAN communication signal
	50	CA3P	CAN communication signal
	51	CA1H	CAN communication signal
	52	CA1L	CAN communication signal

CONNECTOR CODE	TERMINAL NO.	SYMBOL	TERMINAL DESCRIPTION
	53	IMI	ID code box (immobiliser code ECU) communication input
	54	MRL2	IGCT relay
A57	1	HMCL	MG ECU communication request signal
	2	HMCH	MG ECU communication request signal
	3	-	-
	4	-	-
	5	-	-
	6	+BEG	Power source (+B)
	7	ST1-	Brake cancel switch input
	8	IGR	IGR signal input
	9	HSDN	MG ECU shutdown signal output
	10	+B2	Power source (+B)
	11	-	-
	12	E01	ECU ground
	13	DRN5	Shielded ground
	14	-	-
	15	-	-
	16	LIN3	LIN communication signal
	17	-	-
	18	-	-
	19	-	-
	20	-	-
	21	-	-
	22	STP	Stop light switch signal input
	23	-	-
	24	E12	ECU ground
	25	EPA2	Accelerator pedal sensor assembly ground
	26	VCP2	Accelerator pedal sensor assembly power source
	27	-	-
	28	-	-
	29	-	-
	30	FANB	Fan controller
	31	-	-
	32	IWP	Inverter water pump assembly signal output
	33	NIWP	Inverter water pump assembly signal input

CONNECTOR CODE	TERMINAL NO.	SYMBOL	TERMINAL DESCRIPTION
	34	-	-
	35	DDFS	DC/DC converter fail-safe signal
	36	VPA	Accelerator pedal position detection
	37	EPA	Accelerator pedal sensor assembly ground
	38	VCPA	Accelerator pedal sensor assembly power source
	39	VPA2	Accelerator pedal position detection
	40	-	-
	41	-	-
	42	-	-
	43	-	-
	44	-	-
	45	-	-
	46	RFC	Fan controller operation signal
	47	-	-
	48	IGBD	IGB relay

