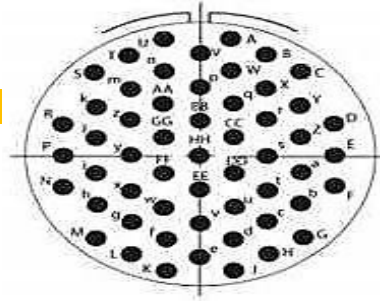


TA2 Hemi Engine Harness

PN# 36-3825
Rev C

Viewed from REAR of Connector



C1	MS3476-22-55P
	LABEL: MAIN IDENT

AWG	From	Pin	Function	Destination	Pin2	Description
20	C1	A	INJ 1	C2	2	INJ 1
20	C1	B	INJ 2	C3	2	INJ 2
20	C1	C	INJ 3	C4	2	INJ 3
20	C1	D	INJ 4	C5	2	INJ 4
20	C1	E	INJ 5	C6	2	INJ 5
20	C1	F	INJ 6	C7	2	INJ 6
20	C1	G	INJ 7	C8	2	INJ 7
20	C1	H	INJ 8	C9	2	INJ 8
20	C1	J	COIL 1	C30	1	COIL 1
20	C1	K	COIL 2	C30	2	COIL 2
20	C1	L	COIL 3	C30	3	COIL 3
20	C1	M	COIL 4	C30	4	COIL 4
20	C1	N	COIL 5	C31	1	COIL 5
20	C1	P	COIL 6	C31	2	COIL 6
20	C1	R	COIL 7	C31	3	COIL 7
20	C1	S	COIL 8	C31	4	COIL 8
22	C1	X	CRANK HALL	C29	3	CRANK
22	C1	Y	CAM HALL	C28	1	CAM
22	C1	Z	COOLANT TEMP	C20	2	COOLANT TEMP
22	C1	a	INTAKE AIR TEMP	C21	2	INTAKE AIR TEMP
22	C1	b	OIL TEMP	C27	2	OIL TEMP
22	C1	c	THROTTLE POSITION	C18	C	THROTTLE POSITION
22	C1	d	MANIFOLD PRESSURE	C19	C	MANIFOLD PRESSURE
22	C1	e	FUEL PRESSURE	C22	C	FUEL PRESSURE
22	C1	f	OIL PRESSURE	C25	C	OIL PRESSURE
22	C1	g	CRANKCASE PRESSURE	C23	C	CRANKCASE PRESSURE
22	C1	h	COOLANT PRESSURE	C24	C	COOLANT PRESSURE
22	C1	i	STEPPER 1A	C26	D	IDLE
22	C1	j	STEPPER 2A	C26	B	IDLE
22	C1	k	STEPPER 1B	C26	C	IDLE
22	C1	m	STEPPER 2B	C26	A	IDLE
18	C1	n	UEGO HEAT	C34	4	UEGO
20	C1	p	UEGO IA	C34	2	UEGO
20	C1	q	UEGO IP	C34	6	UEGO
20	C1	r	UEGO UN	C34	1	UEGO
20	C1	s	UEGO VM	C34	5	UEGO
22	C1	x	SHIELD PASS THRU	SP6	R	SHIELD TERMINATION
22	C1	y	VREF +5V BANK 1	SP5	R	VREF +5V BANK 1
22	C1	AA	SENSOR GROUND	SP4	R	SENSOR GROUND
18	C1	CC	VBATT +12V BANK 1	SP2	R	VBATT +12V BANK 1
18	C1	DD	VBATT +12V BANK 2	SP3	R	VBATT +12V BANK 2
18	C1	EE	UEGO +12V	C34	3	UEGO
18	C1	FF	GROUND	R1	PIN1	GROUND

18	C1	GG	GROUND	R1	PIN1	GROUND
18	C1	HH	GROUND	R1	PIN1	GROUND

C2	7283-6647-30
	LABEL: INJ 1

AWG	From	Pin	Function	Destination	Pin2	Description
20	C2	1	VBATT +12V	SP2	L	VBATT +12V
20	C2	2	INJ 1	C1	A	FIREWALL

C3	7283-6647-30
	LABEL: INJ 2

AWG	From	Pin	Function	Destination	Pin2	Description
20	C3	1	VBATT +12V	SP2	L	VBATT +12V
20	C3	2	INJ 2	C1	B	FIREWALL

C4	7283-6647-30
	LABEL: INJ 3

AWG	From	Pin	Function	Destination	Pin2	Description
20	C4	1	VBATT +12V	SP2	L	VBATT +12V
20	C4	2	INJ 3	C1	C	FIREWALL

C5	7283-6647-30
	LABEL: INJ 4

AWG	From	Pin	Function	Destination	Pin2	Description
20	C5	1	VBATT +12V	SP2	L	VBATT +12V
20	C5	2	INJ 4	C1	D	FIREWALL

C6	7283-6647-30
	LABEL: INJ 5

AWG	From	Pin	Function	Destination	Pin2	Description
20	C6	1	VBATT +12V	SP2	L	VBATT +12V
20	C6	2	INJ 5	C1	E	FIREWALL

C7	7283-6647-30
	LABEL: INJ 6

AWG	From	Pin	Function	Destination	Pin2	Description
20	C7	1	VBATT +12V	SP2	L	VBATT +12V
20	C7	2	INJ 6	C1	F	FIREWALL

C8	7283-6647-30
	LABEL: INJ 7

AWG	From	Pin	Function	Destination	Pin2	Description
20	C8	1	VBATT +12V	SP2	L	VBATT +12V
20	C8	2	INJ 7	C1	G	FIREWALL

C9	7283-6647-30
	LABEL: INJ 8

AWG	From	Pin	Function	Destination	Pin2	Description
20	C9	1	VBATT +12V	SP2	L	VBATT +12V
20	C9	2	INJ 8	C1	H	FIREWALL

C10	184311-1
	LABEL: COIL 1

AWG	From	Pin	Function	Destination	Pin2	Description
18	C10	1	COIL 1 NEGATIVE	C30	8	COIL BANK 1 IGN SUB
18	C10	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C11	184311-1
	LABEL: COIL 2

AWG	From	Pin	Function	Destination	Pin2	Description
18	C11	1	COIL 2 NEGATIVE	C30	7	COIL BANK 1 IGN SUB
18	C11	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C12	184311-1
	LABEL: COIL 3

AWG	From	Pin	Function	Destination	Pin2	Description
18	C12	1	COIL 3 NEGATIVE	C30	6	COIL BANK 1 IGN SUB
18	C12	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C13	184311-1
	LABEL: COIL 4

AWG	From	Pin	Function	Destination	Pin2	Description
18	C13	1	COIL 4 NEGATIVE	C30	5	COIL BANK 1 IGN SUB
18	C13	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C14	184311-1
	LABEL: COIL 5

AWG	From	Pin	Function	Destination	Pin2	Description
18	C14	1	COIL 5 NEGATIVE	C31	8	COIL BANK 2 IGN SUB
18	C14	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C15	184311-1
	LABEL: COIL 6

AWG	From	Pin	Function	Destination	Pin2	Description
18	C15	1	COIL 6 NEGATIVE	C31	7	COIL BANK 2 IGN SUB
18	C15	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C16	184311-1
	LABEL: COIL 7

AWG	From	Pin	Function	Destination	Pin2	Description
18	C16	1	COIL 7 NEGATIVE	C31	6	COIL BANK 2 IGN SUB
18	C16	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C17	184311-1
	LABEL: COIL 8

AWG	From	Pin	Function	Destination	Pin2	Description
18	C17	1	COIL 8 NEGATIVE	C31	5	COIL BANK 2 IGN SUB
18	C17	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

C18	12065287
	LABEL: TPS

AWG	From	Pin	Function	Destination	Pin2	Description
22	C18	A	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C18	B	VREF +5V	SP5	L	VREF +5V
22	C18	C	THROTTLE POSITION	C1	c	FIREWALL

C19	54200308
	LABEL: MAP

AWG	From	Pin	Function	Destination	Pin2	Description
22	C19	A	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C19	B	VREF +5V	SP5	L	VREF +5V
22	C19	C	MANIFOLD PRESSURE	C1	d	FIREWALL

C20	7287-0027-30
	LABEL: CLT TEMP

AWG	From	Pin	Function	Destination	Pin2	Description
22	C20	1	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C20	2	COOLANT TEMP	C1	Z	FIREWALL

C21	7287-0027-30
	LABEL: IAT TEMP

AWG	From	Pin	Function	Destination	Pin2	Description
22	C21	1	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C21	2	INTAKE AIR TEMP	C1	a	FIREWALL

C22	12065287
	LABEL: FP

AWG	From	Pin	Function	Destination	Pin2	Description
22	C22	A	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C22	B	VREF +5V	SP5	L	VREF +5V
22	C22	C	FUEL PRESSURE	C1	e	FIREWALL

C23	12065287
	LABEL: CCP

AWG	From	Pin	Function	Destination	Pin2	Description
22	C23	A	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C23	B	VREF +5V	SP5	L	VREF +5V
22	C23	C	CRANKCASE PRESSURE	C1	g	FIREWALL

C24	12065287
	LABEL: CLT PRESS

AWG	From	Pin	Function	Destination	Pin2	Description
22	C24	A	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C24	B	VREF +5V	SP5	L	VREF +5V
22	C24	C	COOLANT PRESSURE	C1	h	FIREWALL

C25	54200308
	LABEL: EOP

AWG	From	Pin	Function	Destination	Pin2	Description
22	C25	A	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C25	B	VREF +5V	SP5	L	VREF +5V
22	C25	C	ENGINE OIL PRESSURE	C1	f	FIREWALL

C26	12162190
	LABEL: IDLE

AWG	From	Pin	Function	Destination	Pin2	Description
22	C26	A	STEPPER 2B	C1	m	FIREWALL
22	C26	B	STEPPER 2A	C1	j	FIREWALL
22	C26	C	STEPPER 1B	C1	k	FIREWALL
22	C26	D	STEPPER 1A	C1	l	FIREWALL

C27	DTM06-2S
	LABEL: EOT/GBT

AWG	From	Pin	Function	Destination	Pin2	Description
22	C27	1	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C27	2	EOT/GBT	C1	b	FIREWALL

C28	1488991-1
	LABEL: CAM

AWG	From	Pin	Function	Destination	Pin2	Description
22	C28	1	VREF +5V	SP5	L	VREF +5V
22	C28	2	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C28	3	CAM HALL	C1	Y	FIREWALL

C29	1488991-2
	LABEL: CRANK

AWG	From	Pin	Function	Destination	Pin2	Description
22	C29	1	VREF +5V	SP5	L	VREF +5V
22	C29	2	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C29	3	CRANK HALL	C1	X	FIREWALL

C30	DTM06-08SA
	LABEL: IGN BANK 1

AWG	From	Pin	Function	Destination	Pin2	Description
20	C30	1	COIL 1 TRIGGER	C1	J	FIREWALL
20	C30	2	COIL 2 TRIGGER	C1	K	FIREWALL
20	C30	3	COIL 3 TRIGGER	C1	L	FIREWALL
20	C30	4	COIL 4 TRIGGER	C1	M	FIREWALL
18	C30	5	COIL 4 NEGATIVE	C13	1	COIL 4
18	C30	6	COIL 3 NEGATIVE	C12	1	COIL 3
18	C30	7	COIL 2 NEGATIVE	C11	1	COIL 2
18	C30	8	COIL 1 NEGATIVE	C10	1	COIL 1

C31	DTM04-08PA
	LABEL: IGN BANK 2

AWG	From	Pin	Function	Destination	Pin2	Description
20	C31	1	COIL 5 TRIGGER	C1	N	FIREWALL
20	C31	2	COIL 6 TRIGGER	C1	P	FIREWALL
20	C31	3	COIL 7 TRIGGER	C1	R	FIREWALL
20	C31	4	COIL 8 TRIGGER	C1	S	FIREWALL
18	C31	5	COIL 8 NEGATIVE	C17	1	COIL 8
18	C31	6	COIL 7 NEGATIVE	C16	1	COIL 7
18	C31	7	COIL 6 NEGATIVE	C15	1	COIL 6
18	C31	8	COIL 5 NEGATIVE	C14	1	COIL 5

C32	0-1475104-1
	LABEL: UEGO

AWG	From	Pin	Function	Destination	Pin2	Description
20	C32	1	UEGO UN	C1	r	FIREWALL
20	C32	2	UEGO IA	C1	p	FIREWALL
18	C32	3	UEGO +12V	C1	EE	FIREWALL
18	C32	4	UEGO HEAT	C1	n	FIREWALL
20	C32	5	UEGO VM	C1	s	FIREWALL
20	C32	6	UEGO IP	C1	q	FIREWALL

R1	
	LABEL: GND

AWG	From	Pin	Function	Destination	Pin2	Description
18	R1	1	GROUND	C1	HH	FIREWALL
18	R1	1	GROUND	C1	GG	FIREWALL
18	R1	1	GROUND	C1	FF	FIREWALL

SP2	Splice 2
	VBATT +12V INJECTORS

AWG	From	Pin	Function	Destination	Pin2	Description
20	SP2	L	VBATT +12V INJECTORS	C2	1	INJ 1
20	SP2	L	VBATT +12V INJECTORS	C3	1	INJ 2
20	SP2	L	VBATT +12V INJECTORS	C4	1	INJ 3
20	SP2	L	VBATT +12V INJECTORS	C5	1	INJ 4
20	SP2	L	VBATT +12V INJECTORS	C6	1	INJ 5
20	SP2	L	VBATT +12V INJECTORS	C7	1	INJ 6
20	SP2	L	VBATT +12V INJECTORS	C8	1	INJ 7
20	SP2	L	VBATT +12V INJECTORS	C9	1	INJ 8
18	SP2	R	VBATT +12V INJECTORS	C1	CC	FIREWALL

SP3	Splice 3
	VBATT +12V COILS

AWG	From	Pin	Function	Destination	Pin2	Description
18	SP3	L	VBATT +12V COILS	C17	1	COIL 8
18	SP3	L	VBATT +12V COILS	C16	1	COIL 7
18	SP3	L	VBATT +12V COILS	C15	1	COIL 6
18	SP3	L	VBATT +12V COILS	C14	1	COIL 5
18	SP3	L	VBATT +12V COILS	C13	1	COIL 4
18	SP3	L	VBATT +12V COILS	C12	1	COIL 3
18	SP3	L	VBATT +12V COILS	C11	1	COIL 2
18	SP3	L	VBATT +12V COILS	C10	1	COIL 1
18	SP3	R	VBATT +12V COILS	C1	DD	FIREWALL

SP4	Splice 4
	SENSOR GROUND

AWG	From	Pin	Function	Destination	Pin2	Description
22	SP4	L	SENSOR GROUND	C28	2	CAM
22	SP4	L	SENSOR GROUND	C29	2	CRANK
22	SP4	L	SENSOR GROUND	C25	A	ENGINE OIL PRESSURE
22	SP4	L	SENSOR GROUND	C22	A	FUEL PRESSURE
22	SP4	L	SENSOR GROUND	C23	A	CRANKCASE PRESSURE
22	SP4	L	SENSOR GROUND	C24	A	COOLANT PRESSURE
22	SP4	L	SENSOR GROUND	C27	1	EOT/GBT
22	SP4	L	SENSOR GROUND	C19	A	MANIFOLD PRESSURE
22	SP4	L	SENSOR GROUND	C20	1	COOLANT TEMP
22	SP4	L	SENSOR GROUND	C21	1	INTAKE AIR TEMP
22	SP4	L	SENSOR GROUND	C18	A	THROTTLE POSITION
22	SP4	R	SENSOR GROUND	C1	AA	FIREWALL

SP5	Splice 5
	VREF +5V

AWG	From	Pin	Function	Destination	Pin2	Description
22	SP5	L	VREF +5V	C28	3	CAM
22	SP5	L	VREF +5V	C29	1	CRANK
22	SP5	L	VREF +5V	C25	B	ENGINE OIL PRESSURE
22	SP5	L	VREF +5V	C22	B	FUEL PRESSURE
22	SP5	L	VREF +5V	C23	B	CRANKCASE PRESSURE
22	SP5	L	VREF +5V	C24	B	COOLANT PRESSURE
22	SP5	L	VREF +5V	C19	B	MANIFOLD PRESSURE
22	SP5	L	VREF +5V	C18	B	THROTTLE POSITION
22	SP5	R	VREF +5V	C1	y	FIREWALL

SP6	Splice 6
	SHIELD TERMINATION

AWG	From	Pin	Function	Destination	Pin2	Description
22	SP6	L	SHIELD TERMINATION	CAM SHIELD	x	CAM SHIELD
22	SP6	L	SHIELD TERMINATION	CRANK SHIELD	x	CRANK SHIELD
22	SP6	R	SHIELD TERMINATION	C1	x	FIREWALL