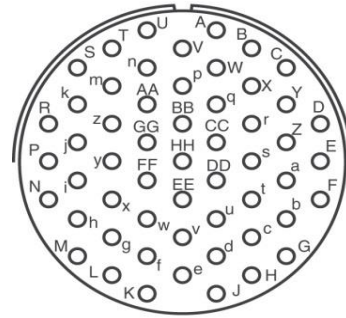


# TA2 Hemi Engine Harness

PN# 36-3825


\*\*\*Viewed from REAR of Connector\*\*\*





<b>C1</b>	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	3	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	3	MANIFOLD PRESSURE
22	C1	e	FUEL PRESSURE	C22	C	FUEL PRESSURE
22	C1	f	OIL PRESSURE	C25	3	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	C32	4	UEGO
20	C1	p	UEGO IA	C32	2	UEGO
20	C1	q	UEGO IP	C32	6	UEGO
20	C1	r	UEGO UN	C32	1	UEGO
20	C1	s	UEGO VM	C32	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	C32	3	UEGO
18	C1	FF	GROUND	R1	PIN1	GROUND
18	C1	GG	GROUND	R1	PIN1	GROUND
18	C1	HH	GROUND	R1	PIN1	GROUND

<b>C2</b>	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

<b>C3</b>	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

<b>C4</b>	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

<b>C5</b>	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

<b>C6</b>	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

<b>C7</b>	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

<b>C8</b>	7283-6647-30
	LABEL: INJ 7



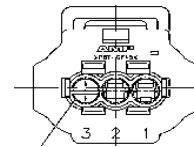
AWG	From	Pin	Function	Destination	Pin2	Description
20	C8	1	VBATT +12V	SP2	L	VBATT +12V
20	C8	2	INJ 7	C1	G	FIREWALL

<b>C9</b>	7283-6647-30
	LABEL: INJ 8



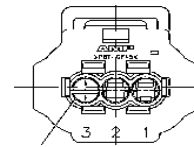
AWG	From	Pin	Function	Destination	Pin2	Description
20	C9	1	VBATT +12V	SP2	L	VBATT +12V
20	C9	2	INJ 8	C1	H	FIREWALL

<b>C10</b>	184311-1
	LABEL: COIL 1

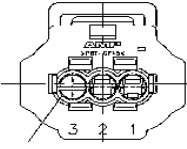


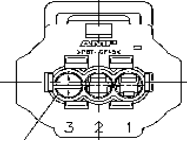
AWG	From	Pin	Function	Destination	Pin2	Description
18	C10	1	COIL 1 NEGATIVE	C30	8	COIL BANK 1 IGN SUB
18	C10	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

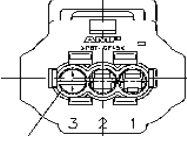
<b>C11</b>	184311-1
	LABEL: COIL 2

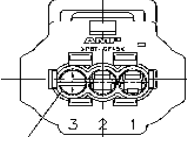


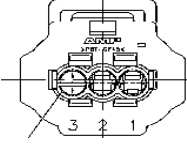
AWG	From	Pin	Function	Destination	Pin2	Description
18	C11	1	COIL 2 NEGATIVE	C30	7	COIL BANK 1 IGN SUB
18	C11	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

<b>C12</b>	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	-	-	-	-

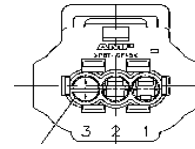
<b>C13</b>	184311-1					
	LABEL: COIL 4					
AWG	From	Pin	Function	Destination	Pin2	Description
18	C13	1	COIL 4 NEGATIVE	C30	5	COIL BANK 1 IGN SUB
18	C13	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

<b>C14</b>	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	-	-	-	-

<b>C15</b>	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	-	-	-	-

<b>C16</b>	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	-	-	-	-

<b>C17</b>	184311-1
	LABEL: COIL 8



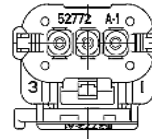
AWG	From	Pin	Function	Destination	Pin2	Description
18	C17	1	COIL 8 NEGATIVE	C31	5	COIL BANK 2 IGN SUB
18	C17	2	VBATT +12V	SP3	L	VBATT +12V
-	-	3	-	-	-	-

<b>C18</b>	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

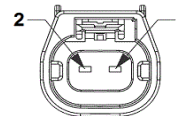
<b>C19</b>	54200308
	LABEL: MAP



AWG	From	Pin	Function	Destination	Pin2	Description
22	C19	1	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C19	2	VREF +5V	SP5	L	VREF +5V
22	C19	3	MANIFOLD PRESSURE	C1	d	FIREWALL

<b>C20</b>	7287-0027-30
	LABEL: CLT TEMP

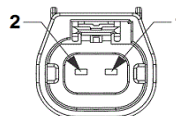
(front view)



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

<b>C21</b>	7287-0027-30
	LABEL: IAT TEMP

(front view)



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

<b>C22</b>	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

<b>C23</b>	12065287
	LABEL: CCP



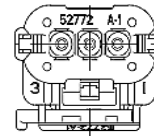
AWG	From	Pin	Function	Destination	Pin2	Description
22	C23	A	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C23	B	VREF +5V	SP5	L	VREF +5V
22	C23	C	CRANKCASE PRESSURE	C1	g	FIREWALL

<b>C24</b>	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

<b>C25</b>	54200308
	LABEL: EOP



AWG	From	Pin	Function	Destination	Pin2	Description
22	C25	1	SENSOR GROUND	SP4	L	SENSOR GROUND
22	C25	2	VREF +5V	SP5	L	VREF +5V
22	C25	3	ENGINE OIL PRESSURE	C1	f	FIREWALL

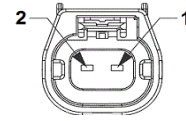
<b>C26</b>	12162190
	LABEL: IDLE



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

<h1>C27</h1>	7287-0027-30
	LABEL: EOT/GBT

(front view)



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

<h1>C28</h1>	1488991-1
	LABEL: CAM

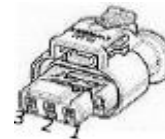
(front view)



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

<h1>C29</h1>	1488991-2
	LABEL: CRANK

(front view)



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

<h1>C30</h1>	DTM06-08SA
	LABEL: IGN BANK 1



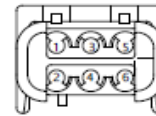
AWG	From	Pin	Function	Destination	Pin2	Description
20	C30	1	COIL 1 TRIGGER	C1	J	FIREWALL
20	C30	2	COIL 2 TRIGGER	C1	K	FIREWALL
20	C30	3	COIL 3 TRIGGER	C1	L	FIREWALL
20	C30	4	COIL 4 TRIGGER	C1	M	FIREWALL
18	C30	5	COIL 4 NEGATIVE	C13	1	COIL 4
18	C30	6	COIL 3 NEGATIVE	C12	1	COIL 3
18	C30	7	COIL 2 NEGATIVE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

<b>C31</b>	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

<b>C32</b>	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

<b>R1</b>	Ring Terminal
	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

<b>SP2</b>	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



<b>SP3</b>	Splice 3
	<b>VBATT +12V COILS</b>



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

<b>SP4</b>	Splice 4
	<b>SENSOR GROUND</b>



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	1	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	1	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

<b>SP5</b>	Splice 5
	<b>VREF +5V</b>



AWG	From	Pin	Function	Destination	Pin2	Description
22	SP5	L	VREF +5V	C28	1	CAM
22	SP5	L	VREF +5V	C29	1	CRANK
22	SP5	L	VREF +5V	C25	2	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	2	MANIFOLD PRESSURE
22	SP5	L	VREF +5V	C18	B	THROTTLE POSITION
22	SP5	R	VREF +5V	C1	y	FIREWALL

<b>SP6</b>	Splice 6
	<b>SHIELD TERMINATION</b>



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