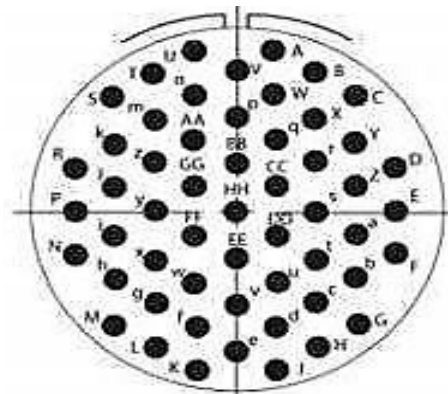


\*\*\*Viewed from Rear of Connector\*\*\*

# TA2 Ford Engine Harness

PN # 36-3826



<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
22	C1	J	COIL 1	C15	A	COIL 1
22	C1	K	COIL 2	C16	A	COIL 2
22	C1	L	COIL 3	C17	A	COIL 3
22	C1	M	COIL 4	C18	A	COIL 4
22	C1	N	COIL 5	C19	A	COIL 5
22	C1	P	COIL 6	C20	A	COIL 6
22	C1	R	COIL 7	C21	A	COIL 7
22	C1	S	COIL 8	C22	A	COIL 8
22	C1	X	CRANK HALL	C14	1	CRANK HALL
22	C1	Y	CAM HALL	C14	3	CAM HALL
22	C1	Z	COOLANT TEMP	C13	2	COOLANT TEMP
22	C1	a	INTAKE AIR TEMP	C26	A	INTAKE AIR TEMP
22	C1	b	OIL TEMP	C29	2	OIL TEMP
22	C1	c	THROTTLE POSITION	C11	C	THROTTLE POSITION
22	C1	d	MANIFOLD PRESSURE	C10	C	MANIFOLD PRESSURE
22	C1	e	FUEL PRESSURE	C12	2	FUEL PRESSURE
22	C1	f	OIL PRESSURE	C25	2	OIL PRESSURE
22	C1	g	CRANKCASE PRESSURE	C23	C	CRANKCASE PRESSURE
22	C1	h	COOLANT PRESSURE	C24	2	COOLANT PRESSURE
22	C1	i	STEPPER 1A	C27	D	STEPPER 1A
22	C1	j	STEPPER 2A	C27	B	STEPPER 2A
22	C1	k	STEPPER 1B	C27	A	STEPPER 1B
22	C1	m	STEPPER 2B	C27	C	STEPPER 2B
18	C1	n	UEGO HEAT	C28	4	UEGO HEAT
20	C1	p	UEGO IA	C28	2	UEGO IA
20	C1	q	UEGO IP	C28	6	UEGO IP
20	C1	r	UEGO UN	C28	1	UEGO UN
20	C1	s	UEGO VM	C28	5	UEGO VM
22	C1	y	VREF +5V BANK 1	SP2	L	VREF +5V BANK 1
22	C1	z	VREF +5V BANK 2	SP1	L	VREF +5V BANK 2
22	C1	AA	SENSOR GROUND BANK 1	SP6	L	SENSOR GROUND BANK 1

22	C1	BB	SENSOR GROUND BANK 2	SP5	L	SENSOR GROUND BANK 2
18	C1	CC	VBATT +12V BANK 1	SP4	L	VBATT +12V BANK 1
18	C1	DD	VBATT +12V BANK 2	SP3	L	VBATT +12V BANK 2
18	C1	EE	UEGO +12V	C28	3	UEGO +12V
18	C1	FF	GROUND	SP7	L	GROUND
18	C1	GG	GROUND	SP8	L	GROUND

<b>C2</b>	7283-6647-30
	LABEL: INJ 1

AWG	From	Pin	Function	Destination	Pin2	Description
20	C2	A	VBATT +12V	SP4	R	VBATT +12V
20	C2	B	INJ 1	C1	A	FIREWALL

<b>C3</b>	7283-6647-30
	LABEL: INJ 2

AWG	From	Pin	Function	Destination	Pin2	Description
20	C3	A	VBATT +12V	SP4	R	VBATT +12V
20	C3	B	INJ 2	C1	B	FIREWALL

<b>C4</b>	7283-6647-30
	LABEL: INJ 3

AWG	From	Pin	Function	Destination	Pin2	Description
20	C4	A	VBATT +12V	SP4	R	VBATT +12V
20	C4	B	INJ 3	C1	C	FIREWALL

<b>C5</b>	7283-6647-30
	LABEL: INJ 4

AWG	From	Pin	Function	Destination	Pin2	Description
20	C5	A	VBATT +12V	SP4	R	VBATT +12V
20	C5	B	INJ 4	C1	D	FIREWALL

<b>C6</b>	7283-6647-30					
	LABEL: INJ 5					
AWG	From	Pin	Function	Destination	Pin2	Description
20	C6	A	VBATT +12V	SP3	R	VBATT +12V
20	C6	B	INJ 5	C1	E	FIREWALL

<b>C7</b>	7283-6647-30					
	LABEL: INJ 6					
AWG	From	Pin	Function	Destination	Pin2	Description
20	C7	A	VBATT +12V	SP3	R	VBATT +12V
20	C7	B	INJ 6	C1	F	FIREWALL

<b>C8</b>	7283-6647-30					
	LABEL: INJ 7					
AWG	From	Pin	Function	Destination	Pin2	Description
20	C8	A	VBATT +12V	SP3	R	VBATT +12V
20	C8	B	INJ 7	C1	G	FIREWALL

<b>C9</b>	7283-6647-30					
	LABEL: INJ 8					
AWG	From	Pin	Function	Destination	Pin2	Description
20	C9	A	VBATT +12V	SP3	R	VBATT +12V
20	C9	B	INJ 8	C1	H	FIREWALL

<b>C10</b>	12065287					
	LABEL: MAP					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C10	A	SENSOR GROUND	SP6	R	SENSOR GROUND
22	C10	B	VREF +5V	SP2	R	VREF +5V
22	C10	C	MANIFOLD PRESSURE	C1	d	FIREWALL

<b>C11</b>	12162182					
	LABEL: TPS					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C11	A	SENSOR GROUND	SP6	R	SENSOR GROUND
22	C11	B	VREF +5V	SP2	R	VREF +5V
22	C11	C	THROTTLE POSITION	C1	c	FIREWALL

<b>C12</b>	54200308					
	LABEL: FP					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C12	1	VREF +5V	SP1	R	VREF +5V
22	C12	2	FUEL PRESSURE	C1	e	FIREWALL
22	C12	3	SENSOR GROUND	SP5	R	SENSOR GROUND

<b>C13</b>	826008-5					
	LABEL: CLT					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C13	1	SENSOR GROUND	SP6	R	SENSOR GROUND
22	C13	2	COOLANT TEMP	C1	Z	FIREWALL

<b>C14</b>	DTM06-4S					
	LABEL: EPM					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C14	1	CRANK HALL	C1	X	FIREWALL
22	C14	2	GROUND	SP8	R	GROUND
22	C14	3	CAM HALL	C1	Y	FIREWALL
22	C14	4	VBATT +12V	SP4	R	VBATT +12V

<b>C15</b>	12162825					
	LABEL: COIL 1					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C15	A	COIL 1	C1	J	FIREWALL
22	C15	B	SENSOR GROUND	SP6	R	SENSOR GROUND
20	C15	C	CYL HEAD GROUND	R2	1	CYL HEAD GROUND
20	C15	D	GROUND	SP8	R	GROUND
20	C15	E	VBATT +12V	SP4	R	VBATT +12V

<b>C16</b>	12162825
	LABEL: COIL 2

AWG	From	Pin	Function	Destination	Pin2	Description
22	C16	A	COIL 2	C1	K	FIREWALL
22	C16	B	SENSOR GROUND	SP6	R	SENSOR GROUND
20	C16	C	CYL HEAD GROUND	R2	1	CYL HEAD GROUND
20	C16	D	GROUND	SP8	R	GROUND
20	C16	E	VBATT +12V	SP4	R	VBATT +12V

<b>C17</b>	12162825
	LABEL: COIL 3

AWG	From	Pin	Function	Destination	Pin2	Description
22	C17	A	COIL 3	C1	L	FIREWALL
22	C17	B	SENSOR GROUND	SP6	R	SENSOR GROUND
20	C17	C	CYL HEAD GROUND	R2	1	CYL HEAD GROUND
20	C17	D	GROUND	SP8	R	GROUND
20	C17	E	VBATT +12V	SP4	R	VBATT +12V

<b>C18</b>	12162825
	LABEL: COIL 4

AWG	From	Pin	Function	Destination	Pin2	Description
22	C18	A	COIL 4	C1	M	FIREWALL
22	C18	B	SENSOR GROUND	SP6	R	SENSOR GROUND
20	C18	C	CYL HEAD GROUND	R2	1	CYL HEAD GROUND
20	C18	D	GROUND	SP8	R	GROUND
20	C18	E	VBATT +12V	SP4	R	VBATT +12V

<b>C19</b>	12162825
	LABEL: COIL 5

AWG	From	Pin	Function	Destination	Pin2	Description
22	C19	A	COIL 5	C1	N	FIREWALL
22	C19	B	SENSOR GROUND	SP5	R	SENSOR GROUND
20	C19	C	CYL HEAD GROUND	R1	1	CYL HEAD GROUND
20	C19	D	GROUND	SP7	R	GROUND
20	C19	E	VBATT +12V	SP3	R	VBATT +12V

<b>C20</b>	12162825
	LABEL: COIL 6

AWG	From	Pin	Function	Destination	Pin2	Description
22	C20	A	COIL 6	C1	P	FIREWALL
22	C20	B	SENSOR GROUND	SP5	R	SENSOR GROUND
20	C20	C	CYL HEAD GROUND	R1	1	CYL HEAD GROUND
20	C20	D	GROUND	SP7	R	GROUND
20	C20	E	VBATT +12V	SP3	R	VBATT +12V

<b>C21</b>	12162825
	LABEL: COIL 7

AWG	From	Pin	Function	Destination	Pin2	Description
22	C21	A	COIL 7	C1	R	FIREWALL
22	C21	B	SENSOR GROUND	SP5	R	SENSOR GROUND
20	C21	C	CYL HEAD GROUND	R1	1	CYL HEAD GROUND
20	C21	D	GROUND	SP7	R	GROUND
20	C21	E	VBATT +12V	SP3	R	VBATT +12V

<b>C22</b>	12162825
	LABEL: COIL 8

AWG	From	Pin	Function	Destination	Pin2	Description
22	C22	A	COIL 8	C1	S	FIREWALL
22	C22	B	SENSOR GROUND	SP5	R	SENSOR GROUND
20	C22	C	CYL HEAD GROUND	R1	1	CYL HEAD GROUND
20	C22	D	GROUND	SP7	R	GROUND
20	C22	E	VBATT +12V	SP3	R	VBATT +12V

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

AWG	From	Pin	Function	Destination	Pin2	Description
22	C23	A	SENSOR GROUND	SP5	R	SENSOR GROUND
22	C23	B	VREF +5V	SP1	R	VREF +5V
22	C23	C	CRANKCASE PRESSURE	C1	g	FIREWALL

<b>C24</b>	54200308					
	LABEL: CLT PRESS					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C24	1	VREF +5V	SP1	R	VREF +5V
22	C24	2	COOLANT PRESSURE	C1	h	FIREWALL
22	C24	3	SENSOR GROUND	SP5	R	SENSOR GROUND

<b>C25</b>	54200308					
	LABEL: EOP					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C25	1	VREF +5V	SP1	R	VREF +5V
22	C25	2	ENGINE OIL PRESSURE	C1	f	FIREWALL
22	C25	3	SENSOR GROUND	SP5	R	SENSOR GROUND

<b>C26</b>	12162199					
	LABEL: IAT					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C26	A	INTAKE AIR TEMP	C1	a	INTAKE AIR TEMP
22	C26	B	SENSOR GROUND	SP6	R	SENSOR GROUND

<b>C27</b>	12162190					
	LABEL: IDLE					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C27	A	STEPPER 1B	C1	k	FIREWALL
22	C27	B	STEPPER 2A	C1	j	FIREWALL
22	C27	C	STEPPER 2B	C1	m	FIREWALL
22	C27	D	STEPPER 1A	C1	i	FIREWALL

<b>C28</b>	0-1475104-1					
	LABEL: UEGO					
AWG	From	Pin	Function	Destination	Pin2	Description
20	C28	1	UEGO UN	C1	r	FIREWALL
20	C28	2	UEGO IA	C1	p	FIREWALL
18	C28	3	UEGO +12V	C1	EE	FIREWALL
18	C28	4	UEGO HEAT	C1	n	FIREWALL
20	C28	5	UEGO VM	C1	s	FIREWALL
20	C28	6	UEGO IP	C1	q	FIREWALL

<b>C29</b>	DTM06-2S					
	LABEL: EOT/GBT					
AWG	From	Pin	Function	Destination	Pin2	Description
22	C29	1	SENSOR GROUND	SP6	R	SENSOR GROUND
22	C29	2	EOT/GBT	C1	b	FIREWALL

<b>R1</b>	12103505					
	LABEL: GND BANK 2					
AWG	From	Pin	Function	Destination	Pin2	Description
20	R1	1	GROUND	C22	C	COIL 8
20	R1	1	GROUND	C21	C	COIL 7
20	R1	1	GROUND	C20	C	COIL 6
20	R1	1	GROUND	C19	C	COIL 5

<b>R2</b>	12103505					
	LABEL: GND BANK 1					
AWG	From	Pin	Function	Destination	Pin2	Description
20	R2	1	GROUND	C18	C	COIL 4
20	R2	1	GROUND	C17	C	COIL 3
20	R2	1	GROUND	C16	C	COIL 2
20	R2	1	GROUND	C15	C	COIL 1

<b>SP1</b>	Splice 1					
	VREF +5V BANK 2					
AWG	From	Pin	Function	Destination	Pin2	Description
22	SP1	L	VREF +5V BANK 2	C1	z	FIREWALL
22	SP1	R	VREF +5V BANK 2	C25	1	ENGINE OIL PRESSURE
22	SP1	R	VREF +5V BANK 2	C24	1	COOLANT PRESSURE
22	SP1	R	VREF +5V BANK 2	C23	B	CRANKCASE PRESSURE
22	SP1	R	VREF +5V BANK 2	C12	1	FUEL PRESSURE



<b>SP2</b>	<b>Splice 2</b>
	<b>VREF +5V BANK 1</b>

AWG	From	Pin	Function	Destination	Pin2	Description
22	SP2	L	VREF +5V BANK 1	C1	y	FIREWALL
22	SP2	R	VREF +5V BANK 1	C11	B	THROTTLE POSITION
22	SP2	R	VREF +5V BANK 1	C10	B	MANIFOLD PRESSURE

<b>SP3</b>	<b>Splice 3</b>
	<b>VBATT +12V BANK 2</b>

AWG	From	Pin	Function	Destination	Pin2	Description
18	SP3	L	VBATT +12V BANK 2	C1	DD	FIREWALL
20	SP3	R	VBATT +12V BANK 2	C22	E	COIL 8
20	SP3	R	VBATT +12V BANK 2	C21	E	COIL 7
20	SP3	R	VBATT +12V BANK 2	C20	E	COIL 6
20	SP3	R	VBATT +12V BANK 2	C19	E	COIL 5
20	SP3	R	VBATT +12V BANK 2	C6	1	INJ 5
20	SP3	R	VBATT +12V BANK 2	C7	1	INJ 6
20	SP3	R	VBATT +12V BANK 2	C8	1	INJ 7
20	SP3	R	VBATT +12V BANK 2	C9	1	INJ 8

<b>SP4</b>	<b>Splice 4</b>
	<b>VBATT +12V BANK 1</b>

AWG	From	Pin	Function	Destination	Pin2	Description
18	SP4	L	VBATT +12V BANK 1	C1	CC	FIREWALL
20	SP4	R	VBATT +12V BANK 1	C18	E	COIL 4
20	SP4	R	VBATT +12V BANK 1	C17	E	COIL 3
20	SP4	R	VBATT +12V BANK 1	C16	E	COIL 2
20	SP4	R	VBATT +12V BANK 1	C15	E	COIL 1
20	SP4	R	VBATT +12V BANK 1	C2	1	INJ 1
20	SP4	R	VBATT +12V BANK 1	C3	1	INJ 2
20	SP4	R	VBATT +12V BANK 1	C4	1	INJ 3
20	SP4	R	VBATT +12V BANK 1	C5	1	INJ 4
22	SP4		VBATT +12V BANK 1	C14	4	EPM

<b>SP5</b>	Splice 5
	SENSOR GROUND BANK 2

AWG	From	Pin	Function	Destination	Pin2	Description
22	SP5	L	SENSOR GROUND BANK 2	C1	BB	FIREWALL
22	SP5	R	SENSOR GROUND BANK 2	C25	3	ENGINE OIL PRESSURE
22	SP5	R	SENSOR GROUND BANK 2	C24	3	COOLANT PRESSURE
22	SP5	R	SENSOR GROUND BANK 2	C23	A	CRANKCASE PRESSURE
22	SP5	R	SENSOR GROUND BANK 2	C12	3	FUEL PRESSURE
22	SP5	R	SENSOR GROUND BANK 2	C19	B	COIL 5
22	SP5	R	SENSOR GROUND BANK 2	C20	B	COIL 6
22	SP5	R	SENSOR GROUND BANK 2	C21	B	COIL 7
22	SP5	R	SENSOR GROUND BANK 2	C22	B	COIL 8

<b>SP6</b>	Splice 6
	SENSOR GROUND BANK 1

AWG	From	Pin	Function	Destination	Pin2	Description
22	SP6	L	SENSOR GROUND BANK 1	C1	AA	FIREWALL
22	SP6	R	SENSOR GROUND BANK 1	C29	1	EOT/GBT
22	SP6	R	SENSOR GROUND BANK 1	C26	B	INTAKE AIR TEMP
22	SP6	R	SENSOR GROUND BANK 1	C11	A	THROTTLE POSITION
22	SP6	R	SENSOR GROUND BANK 1	C10	A	MANIFOLD PRESSURE
22	SP6	R	SENSOR GROUND BANK 1	C15	B	COIL 1
22	SP6	R	SENSOR GROUND BANK 1	C16	B	COIL 2
22	SP6	R	SENSOR GROUND BANK 1	C17	B	COIL 3
22	SP6	R	SENSOR GROUND BANK 1	C18	B	COIL 4
22	SP6	R	SENSOR GROUND BANK 1	C13	1	COOLANT TEMP

<b>SP7</b>	Splice 7
	GROUND

AWG	From	Pin	Function	Destination	Pin2	Description
18	SP7	L	GROUND	C1	FF	FIREWALL
20	SP7	R	GROUND	C22	D	COIL 8
20	SP7	R	GROUND	C21	D	COIL 7
20	SP7	R	GROUND	C20	D	COIL 6
20	SP7	R	GROUND	C19	D	COIL 5

<b>SP8</b>	<b>Splice 8</b>
	<b>GROUND</b>

AWG	From	Pin	Function	Destination	Pin2	Description
18	SP8	L	GROUND	C1	GG	FIREWALL
20	SP8	R	GROUND	C18	D	COIL 4
20	SP8	R	GROUND	C17	D	COIL 3
20	SP8	R	GROUND	C16	D	COIL 2
20	SP8	R	GROUND	C15	D	COIL 1
22	SP8	R	GROUND	C14	2	EPM