

E-Bar Loom - KV ECU - Foot Rocket & Predator 21'

ECU		Molex C1		
Pin	Description	Colour	AWG	Dest.
A1				
A2	Signal - Engine Temp	White	20	C8-7
A3				
A4				
A5	Signal - Crank Pos	White	20	C8-2
A6				
A7				
A8	+12 volt	Red	18	FB-A9
B1				
B2	Signal - Kill Switch	Grey	20	C9-3
B3	Ignition - Coil 1	Violet	20	C3-1
B4	Ignition - Coil 2	Blue	20	C4-1
B5				
B6	Sensor +5 volt	Pink	20	C8-3
B7				
B8				
C1				
C2	CAN Lo	N/C		
C3	CAN Hi	N/C		
C4	Ignition Ground	Brown	20	S1
C5	Switch - Mode 1	N/C		
C6	Switch - Mode 2	N/C		
C7	Sensor Ground	Brown	20	C8-1
C8	Batt Ground	Black	18	S5

CAN		C2		
Pin	Desc	Colour	AWG	Dest
1				
2				
3				
4				

Coil 1		Green C3		
Pin	Description	Colour	AWG	Dest.
1	Trigger	Violet	20	C1-B3
2	TTL GND	Brown	20	S1
3	Cylinder Head GND	Green/Yellow	18	S3
4	Batt GND	Black	18	S4
5	Batt +ve	Red	18	S2

Coil 2		Blue C4		
Pin	Description	Colour	AWG	Dest.
1	Trigger	Blue	20	C1-B4
2	TTL GND	Brown	20	S1
3	Cylinder Head GND	Green/Yellow	18	S3
4	Batt GND	Black	18	S4
5	Batt +ve	Red	18	S2

Regulator - 2 pin		Weather-Pack Male 2 - 12010973 C5		
Pin	Description	Colour	AWG	Dest.
1	GND	Black	14	S6
2	12 volt	Red	14	FB-D9

Regulator - 3 pin		Weather-Pack Male 3 - 12020827 C6		
Pin	Description	Colour	AWG	Dest.
1	Rect U	Yellow	18	C8-5
2	Rect V	Yellow	18	C8-6
3	Rect W	Yellow	18	C8-7

Starter Relay		Metri-Pack 150.2 C7		
Pin	Description	Colour	AWG	Dest.
1	GND	Black	18	S5
2	Sig	Orange	18	FB-B9

Engine		1-1564514-1 C8		
Pin	Description	Colour	AWG	Dest.
1	Sensor GND	Brown	20	C1-C7
2	Crank Pos Sig	White	20	C1-A5
3	Sensor +5v	Pink	20	C1-B6
4				
5	Rect U	Yellow	18	C6-1
6	Cly Head GND	Green/Yellow	18	S3
7	Eng Temp Sig	White	20	C1-A2
8				
9	Rect V	Yellow	18	C6-2
10	Rect W	Yellow	18	C6-3

Lanyard		DTM04-4P C9		
Pin	Description	Colour	AWG	Dest.
1	GND	Black	20	S4
2	Start Signal	Orange	20	FB-B8
3	Kill Signal	Grey	20	C1-B2
4	IGN 12 volt +ve	Red	18	IGN post

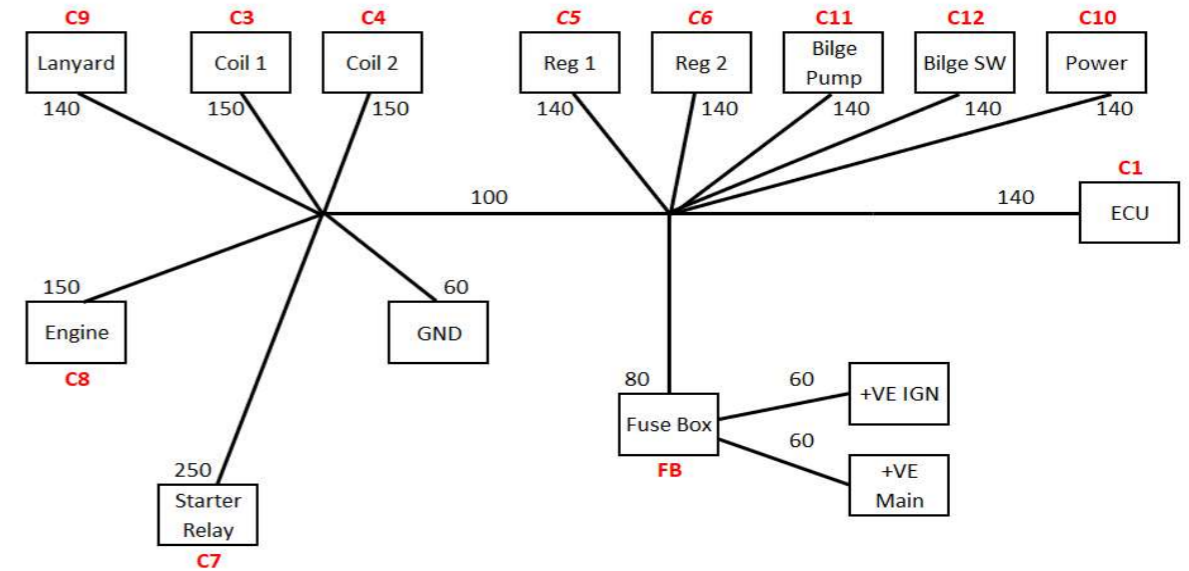
Power Button		DTM04-4P C10		
Pin	Description	Colour	AWG	Dest.
1	GND	Black	20	S4
2	IGN Signal	White	20	FB-B7
3	GND	Black	20	S4
4	12 volt +ve	Red	18	12v post

Bilge Pump		DT04-2P C11		
Pin	Description	Colour	AWG	Dest.
1	GND	Black	18	C12-1
2	Switched 12 volt +ve	Orange	18	C12-2

Bilge Pump Button		DT04-4P C12		
Pin	Description	Colour	AWG	Dest.
1	GND	Black	18	C11-1
2	Switched 12 volt OUT	Orange	18	C11-2
3	GND	Black	18	S6
4	12 volt +ve	Red	18	FB-B5

Fuse Box		FB									
Pin	Description	Dest.	Pin	Description	Dest.	Pin	Description	Dest.	Pin	Description	Dest.
A1	Relay Link - 12v IN	FB-A4	B1	Ground	S5	C1			D1		
						C2			D2		
A3	Relay Trig - 12v IN	FB-B6	B3	IGN 12v OUT	IGN post	C3			D3		
A4	Relay Link - 12v OUT	FB-A1	B4	12 in	CONT post	C4			D4		
A5	Main 12 volt IN	CONT post	B5	Bilge Pump volt out	C12-4	C5			D5		
A6			B6	Relay Trig - 12v OUT	FB-A3	C6	IGN 12 volt	IGN post	D6		
A7			B7	Power Button 12v IN	C10-2	C7	Coil 12v OUT	S2	D7		
A8	IGN 12 volt	IGN post	B8	Start/stop Sig IN	C9-2	C8	IGN 12 volt	IGN post	D8	IGN 12 volt	CONT post
A9	ECU 12 volt OUT	C1-A8	B9	Start/stop 12v OUT	C7-2	C9	BLANK		D9	Regulator 12v IN	C5-2
A10			B10			C10			D10		

E-Bar - FR & Predator



-ve Post				
Pin	Description	Colour	AWG	Dest.
1	Splice 4	Black	14	S4
2	Splice 5	Black	14	S5
3	Splice 6	Black	14	S6

+ve Post - Const				
Pin	Description	Colour	AWG	Dest.
1	Main Power	Red	14	FB-A5
2	Bilge Pump	Red	18	FB-B4
3	Regulator Power	Red	14	FB-D8
4	Power Button	Red	18	C10-4

+ve Post - Ignition				
Pin	Description	Colour	AWG	Dest.
1	ECU	Red	18	FB-A10
2	IGN Main Power	Red	14	FB-B3
3	Coils	Red	18	FB-C6
4	Spare	Red	18	FB-C8
5	Lanyard	Red	18	C9-4

Splice 1 - Ignition Signal Ground S1				
Pin	Description	Colour	AWG	Dest.
1	ECU	Brown	20	C1-C4
2	Coil 1	Brown	20	C3-2
3	Coil 2	Brown	20	C4-2

Splice 2 - Coil +12v S2				
Pin	Description	Colour	AWG	Dest.
1	Fuse Box	Red	18	FB-C7
2	Coil 1	Red	18	C3-5
3	Coil 2	Red	18	C5-5

Splice 3 - Head Ground S3				
Pin	Description	Colour	AWG	Dest.
1	Engine	Green/Yellow	18	C8-6
2	Coil 1	Green/Yellow	18	C3-3
3	Coil 2	Green/Yellow	18	C5-3

Splice 4 - Ground S4				
Pin	Description	Colour	AWG	Dest.
1	-ve Post	Black	14	-ve post
2	Coil 1	Black	18	C3-4
3	Coil 2	Black	18	C4-4
4	Lanyard	Black	20	C9-1
5	Power Button 1	Black	20	C10-1
6	Power Button 2	Black	20	C10-3

Splice 5 - Ground S5				
Pin	Description	Colour	AWG	Dest.
1	-ve Post	Black	14	-ve post
2	Fuse Box	Black	18	FB-B1
3	ECU	Black	18	C1-C8
4	Starter	Black	18	C7-1

Splice 6 - Ground S6				
Pin	Description	Colour	AWG	Dest.
1	-ve Post	Black	14	-ve post
2	Bilge Pump	Black	18	C12-3
3	Regulator	Black	14	C5-1