

**9A6 ECU Connection List
Issue B**

BOM 0.1

Changes in Yellow

9A6 Pin #	9A6	Electrical Detail A	Electrical Detail B	Ford 1.6 Ecoboost	Notes
A001	Ground		GND	B01	
A002	Ground		GND	B02, B04	
A003	ECU Permanent 12V Supply		12V MEM	B05, B06	
A004	12V Switch		12V Key	12V	
A005	12V Switch		12V Key		
A006	Air Charge Pump Relay		1A LSD	A96	
A007	Oil Temp	1k Pull Up	AN		
A008	Injector A+		GDI HS	A77	
A009	Anti Lag Signal	100k Pull Up	AN		
A010	Baro Signal	100k Pull Down	AN		
A011	5Va2		5Va	B53	
A012	Injector A-		GDI LS	A03	
A013	Narrow Band Oxygen Sensor 1	2M2 Pull Down	AN	B48	Use any 0Va for N/Band Oxygen sensor Return
A014	5Va1		5Va		
A015	Lambda1 R		WRL	A88	
A016	Cam Return		0V	A44, A47	
A017	LP Fuel Sensor Signal	100K Pull Up	AN		PR/Sensor 5V 0.5 to 4.5v Out (0-10 Bar) -3 JIC (Packard CON)
A018	Air Temp Signal	1k Pull Up	AN	A11	
A019		100r Pull Up	AN		
A020	0Va		0V		
A021			1A LSD PWM		
A022	Wastegate Drive	1k Pull Up	3A LSD PWM		
A023	PWM Water Pump		3A LSD PWM	A95	
A024			1A LSD PWM		
A025	Shift Up Solenoid		1A LSD		
A026	Launch Signal	100k Pull Up	AN		
A027	Injector C+		GDI HS	A53	
A028	Engine Oil Pressure	1k Pull Up	AN		
A029	Lambda1 N		WRL	A89	
A030	5Va2		5Va	A22, A23	
A031	Injector C-		GDI LS	A27	
A032	AC Request	100k Pull Down	AN		
A033	5Va1		5Va		
A034	HP Fuel Signal	100k Pull Up	AN	A09	
A035	Cam Supply		5Va	A15, A16	
A036	Shift Up	100k Pull Up	AN		
A037	Start Request	100k Pull Down	AN		
A038	TPS2 Signal	100k Pull Up	AN	A06	
A039	0Va		0V		
A040	Egas2 Motor Drive -		H Bridge -		
A041	Egas2 Motor Drive +		H Bridge +		
A042	Lambda Sensor 2 Heater		5A LSD PWM		
A043	Lambda Sensor 1 Heater		5A LSD PWM	A72	
A044	Shift Down Solenoid		1A LSD		
A045	Pedal A Signal	100k Pull Up	AN	B52	
A046	Injector B+		GDI HS	A76	
A047	TPS1 Signal	100k Pull Up	AN	A81	
A048	Lambda1 VG		WRL	A65	

A049	Lambda1 P		WRL	A64	
A050	Injector B-		GDI LS	A26	
A051	Engine Stop Signal	100k Pull Down	AN		
A052	5Va1		5Va		
A053	Gearbox Signal	100k Pull Up	AN		
A054	Cam 2Signal	4k7 Pull Up	Cam	A79	
A055	Pedal B Signal	100k Pull Down	AN	B26	
A056		100k Pull Down	AN		
A057	TPS4 Signal	100k Pull Up	AN		
A058	0Va		0V		
A059	Egas1 Motor Drive -		H Bridge -	A50	
A060	Egas1 Motor Drive +		H Bridge +	A74	
A061	HP Fuel Pump Drive		5A peak and hold	A02	Between Cylinders 2 & 3
A062	Shift Down	100k Pull Up	AN		
A063	Rad Fan 1 Relay		1A LSD	A91	
A064	Air Accumulator Pressure	100k Pull Down	AN		
A065	Injector D+		GDI HS	A52	
A066	MAP	100k Pull Down	AN	A83	
A067	Water Temp Signal	1k/18k Pull Up	AN	A12	
A068	FORD LP Fuel Signal	18k Pull Up	AN	A07	
A069	Injector D-		GDI LS	A25	
A070	Boost Limit	100k Pull Up	AN		
A071	5Va1		5Va		
A072	Neutral Request	100k Pull Up	AN		
A073	Cam1 Signal	4k7 Pull Up	Cam	A80	
A074	TPS3 Signal	100k Pull Up	AN		
A075	Clutch Voltage	100k Pull Up	AN		
A076	Oil Pressure Signal	100k Pull Up	AN		PR/Sensor 5V 0.5 to 4.5v Out (0-10 Bar) -3 JIC (Packard CON)
A077	0Va		0V		
A078			1A LSD PWM		
A079	Inlet Cam Drive		3A LSD PWM	A67	
A080	Exhaust Cam Drive		3A LSD PWM	A71	
A081	Tachometer Drive		1A LSD PWM	B45	
B082	MIL		1A LSD		
B083	5Va2		5Va	A18	
B084	WS3+	4k7 Pull Up	WS		
B085	Knock1 Signal		Knock Sig	A84	
B086	WS1+	4k7 Pull Up	WS		
B087	MAF Signal	1k2 Pull Up	PWM SIG	A55	
B088	CAN2 H		CAN		
B089	CAN H		CAN	B54	
B090	Fuel Pump Relay		1A LSD		
B091	5Va2		5Va		
B092	WS4+	4k7 Pull Up	WS		
B093	Knock1 Return		Knock Rtn	A60	
B094	WS2+	4k7 Pull Up	WS		
B095	PWM Pedal	1k2 Pull Up	PWM SIG		
B096	CAN2 L		CAN		
B097	CAN L		CAN	B41	
B098	Engine Stop Output		1A LSD		
B099	5Va1		5Va	A19, A17	
B100	Crank Signal		Crank	A45	
B101	Knock 2 Signal		Knock Sig	A85	Suggested Raychem Type 44 Screened Cable

B102	WS1 Return	0Va	B36, B38
B103	WS2 Return	0Va	A58, B21
B104	WS3 Return	0Va	A33, A35, A31
B105	WS4 Return	0Va	A36, A34
B106	PWR Hold Relay	1A LSD	
B107	5Va1	5Va	B46, A20
B108	Crank Return	Crank	A46
B109	Knock 2 Return	Knock Rtn	A61
B110	Ignition Drive A	IGN	A70
B111	Ignition Drive B	IGN	A69
B112	Ignition Drive C	IGN	A93
B113	Ignition Drive D	IGN	A94
B114	HSD Battery +	HSD Battery +	
B115	HSD Battery +	HSD Battery +	
B116	Starter Solenoid Drive	10A HSD	
B117	Ignition Output HSD	10A HSD PWM	
B118	Rad Fan 1 HSD	10A HSD PWM	
B119	n/c	n/c	
B120	LP Fuel Pump PWM	10A HSD PWM	
B121	n/c	n/c	

Suggested Raychem Type 44 Screened Cable

PWM Control via 0.5v to 4.5 Pressure Sensor

OK