

Dizzy All Cyl Firm 1

Wire Colors			Software Selectable			Orion2 ECU Layout						Software Selectable			Wire Colors					
			Sim leds	Pr3	Priority2	Priority1	Pin Name			Pin Name			Priority1	Priority2	Pr3	Sim leds	E24 CR+TDC	E24 CR-Only		
	E24 CR-Only	E22 CR+TDC						P1 - 12 Way Input												
	Green	Green					Water Temp	7	1	Air Temp								Yellow	Yellow	
	Red	Red					Lambda	8	2	TPS								Blue	Blue	
	Red	Red					.+5 Volt Out	9	3	MAP								Blue	Blue	
	Red	Red					.+12 Volt Ign	10	4	GND								Black	Black	
	N/C	Yellow					TDC Sensor	11	5	TDC Power								Blue	N/C	
	Blue	Green					Crank Sensor	12	6	Crank Power								Red	Red	
								Internal		3Bar Alt Sensor	Altitude Sensor	Map Sensor								
							P2 - 10 Way Output													
E33 Adv	E32 Std	E31 No Rel					Coil Negative 1			6	1	Coil Negative 2	Inj Drv 1				N6	Black/Purple	N/C	Black/Purple
Black/Red	Black/Red	Black/Red	N5	GP6		Basic Coil Drv 1	Coil Negative 3	7	2	Coil Negative 4	Inj Drv 3			GP5	N8	Black/Orange	N/C	Black/Orange		
Black/Brown	N/C	Black/Brown	N7			Inj Drv 2	Negative 2	8	3	Negative 1	Inj Drv 4			GP3	N1	Black/White	Black/White	Black/White		
Black/Yellow	Black/Yellow	Black/Yellow	N2	GP4		Inj Drv 5	Negative 4	9	4	Negative 3	Relay Out				Relay	Blue/Black	Blue	Blue		
Green	Green	Green	RPM			RPM Out	Negative 6	10	5	Negative 5	Inj Drv 6	Dual Idle	GP2	N3	Blue/Orange	Blue/Orange	Blue/Orange			
Blue/White	Blue/White	Blue/White	N4	GP1		Idle Valve	P3 - 8 Way Output													
		E36					Positive 1	5	1	Positive 2	Cam 2				P2	Red/Yellow				
		Red/White	P1			Smart Coil Drv 1 T	Positive 3	6	2	Positive 4	Micro Fuel			GP8	P4	Red/Green				
		Red/Orange	P3	GP7		Cam 1	.+12 Volt In	7	3	.+12 Volt In						Red				
		Red					Coil Negative 5	8	4	Coil Negative 6				GP10	GP2	Blue				
		White	GP1	GP9		Anti-Lag	P4 - 4 Way Serial													
							SDA	3	1	SCL										
							.+5 Volt Out	4	2	GND										
							6 Way USB													
	P05-P3	USB					Tuning Pot	4	1	Dual Map Sw						USB	P05-P3			
	Green	N/C					Receive	5	2	Transmit						N/C	Yellow			
	Yellow	Yellow					.+5 Volt Out	6	3	GND						Green	Green			
	Red	Red														Blue	Blue			

Note!! Coil and Injector numbers used here are firing phases from the ECU. It is not the firing order on your engine. Refer to the drawings for Phase to firing order comparison.

Negative 1 to 6 = Negative drivers 41 Volt 19 Amp Drivers

Positive 1 to 4 = Positive Drivers 12 Volt 6 Amp current limit drivers

Coil Negative 1 to 6 = Negative Coil Drivers for Basic Coils 500 Volt 18 Amp Drivers

Tuning Pot and Coil Driver 6 share the same Micro Connection. Selection with Jumper J6 on board

Dual Map Switch and Coil Negative 5 share the same Micro Connection. Selection with Jumper J6 on board

An optional 3 Bar map sensor can be soldered onto board. It can be used as Altitude or MAP sensor. For an internal MAP sensor you need to make a hole in the lid for the pipe to come through.

Basic Coil = Coil without driver - 0.5 to 0.9 Ohm Primary winding - Charges with earth signal and discharges with open signal

Smart Coil = Coil with Built in driver - Charges with positive signal and discharges with earth signal which is provided by the driver and a pull down resistor

If you use the 3 Bar onboard sensor for MAP then you must use a 2.5 Bar external sensor for Altitude.

Coil Phase	Fire Order Ex. 1 3 4 2	
	Full or COP	Wasted Spark
Coil Drv 1	1	1 - 4
Coil Drv 2	3	3 - 2
Coil Drv 3	4	
Coil Drv 4	2	

Inject Phase	Fire Order Ex. 1 3 4 2	
	Full Seq	Split Seq
Inj Drv 1	1	1 - 4
Inj Drv 2	3	3 - 2
Inj Drv 3	4	
Inj Drv 4	2	