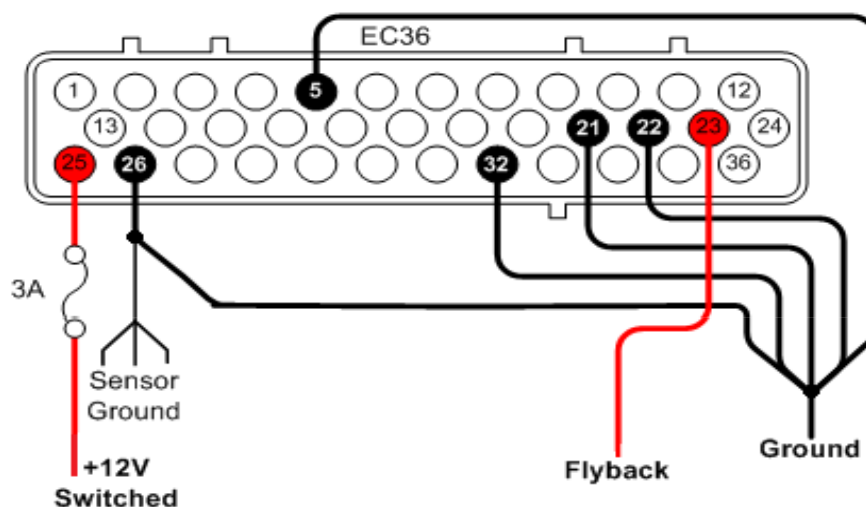


VEMS -> Motronic 88 pin BMW M50 Vanos

Adapter harness v1.03

<u>Component</u>	<u>Function</u>	<u>Motronic pin</u>	<u>Vems pin EC36</u>
Ign Coil 1	Grounding output	25	35
Ign Coil 2	Grounding output	23	12
Ign Coil 3	Grounding output	24	34
Ign Coil 4	Grounding output	50	36
Ign Coil 5	Grounding output	52	11
Ign Coil 6	Grounding output	51	33
Injector 1	Grounding output	3	7
Injector 2	Grounding output	5	19
Injector 3	Grounding output	4	8
Injector 4	Grounding output	33	20
Injector 5	Grounding output	31	9
Injector 6	Grounding output	32	18
Sw. Ignitionlock +12V (15)	Sw. +12V	56	
Main Relay feed	Feed +12V	54	25
Tacho	Grounding output	74	EC18/4
Crank trigger (VR) +	Signal +	67	27
Crank trigger (VR) -	Signal -	68	26
Camshaft trigger	Signal		N/C
TPS	Signal	12	1
TPS	Feed +5V	59	29
IAT	Signal	77	2
CLT	Signal	78	14
Fuelpump	Grounding output	1	10
Main relay control	Grounding output	27	N/C
Power ground (31)	Ground	55	5
Power ground (31)	Ground	6	21
Power ground (31)	Ground	28	22
Power ground (31)	Ground	34	32
Sensor Ground	Ground	43	26
Flyback	Conn to Inj feed	54	23

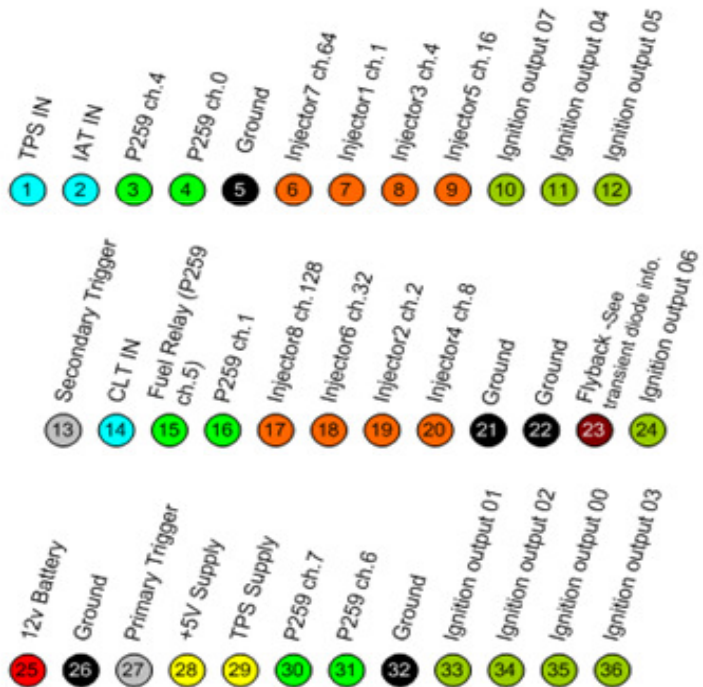


VEMS V3.6 ECU Pin outs

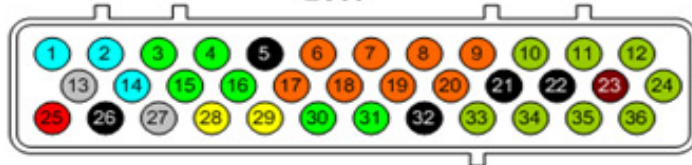
View from back of Econoseal plugs



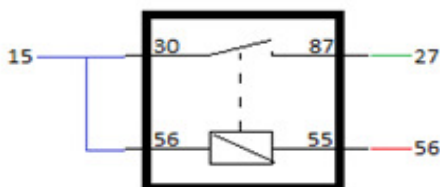
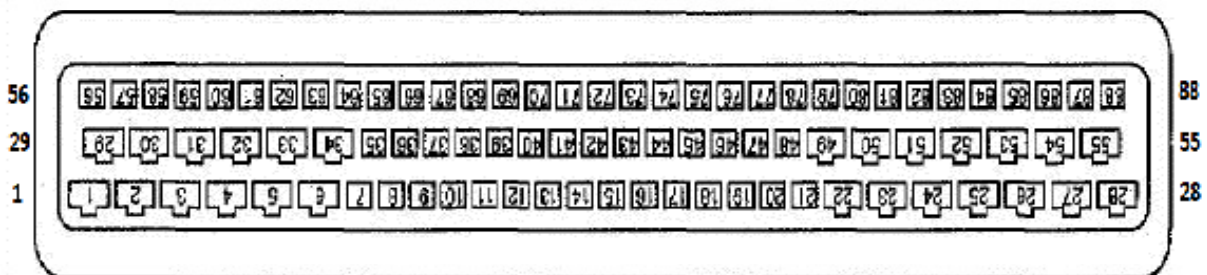
EC18



EC36



Motronic 88-pin Male Wire side



- WBO2 Pump -
- 12v Battery (5A Fuse)
- WBO2 Nerst signal
- WBO2 Pump +
- WBO2 Heater
- Not Connected