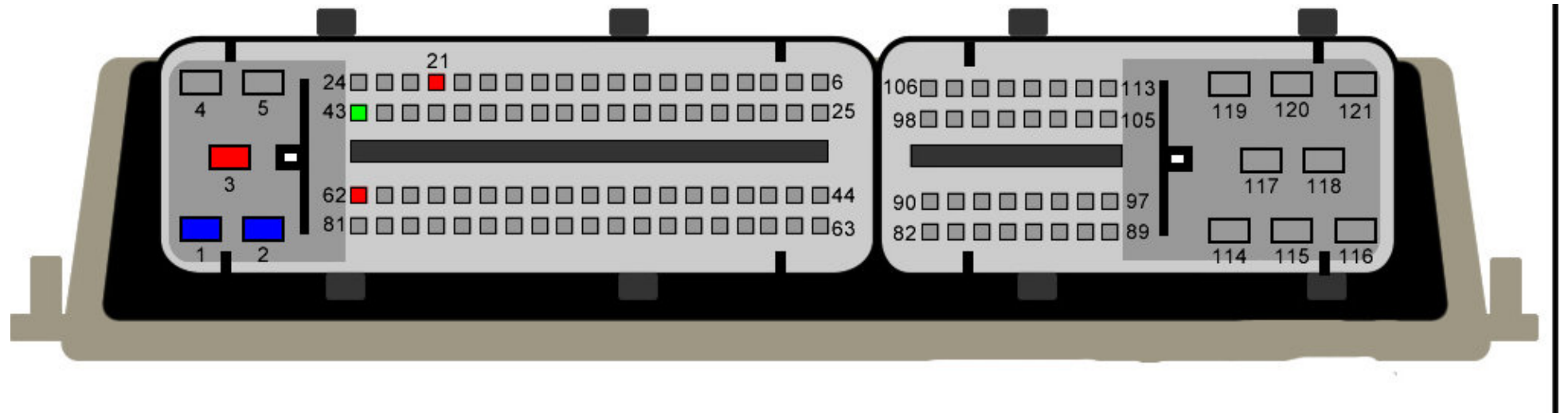


1. Name: VW VR6 BFH



EMU PIN	EMU DESCRIPTION		DESCRIPTION	WIRE SIZE
B28	EMU GROUND	1	ENGINE GROUND, DBW GROUND	0,75mm
G17	POWER GROUND	2	POWER GROUND	0,75mm
B27	POWER GROUND	2	POWER GROUND	0,75mm
G18	POWER +12V	21	POWER SUPPLY	0,75mm

B13	CONSTANT +12		<i>From battery to EMU ONLY! Without PnP connection*</i>	0,5mm
B38	SENSOR GROUND	27,33, 36, 50, 83, 108	SENSOR GROUND	0,5mm
B39	SENSOR GROUND	90,99	SENSOR GROUND	0,5mm
G8	IGNITION COIL 1	102	IGNITION #1	0,75mm
G16	IGNITION COIL 2	110	IGNITION #2	0,75mm
G9	IGNITION COIL 3	94	IGNITION #3	0,75mm
B14	IGNITION COIL 4	111	IGNITION #4	0,75mm
B1	IGNITION COIL 5	103	IGNITION #5	0,75mm
G1	IGNITION COIL 6	95	IGNITION #6	0,75mm
G7	INJECTOR 1	96	INJECTOR 1	0,75mm
G15	INJECTOR 2	112	INJECTOR 6	0,75mm
G23	INJECTOR 3	88	INJECTOR 4	0,75mm
G6	INJECTOR 4	113	INJECTOR 3	0,75mm
G14	INJECTOR 5	97	INJECTOR 5	0,75mm
G22	INJECTOR 6	89	INJECTOR 2	0,75mm
G21	AUX1	23	IGNITION CONTROL +12V RELAY	0,5mm
G13	AUX2	65	INJECTORS, PUMP, WBO +12V SUPPLY RELAY	0,5mm
G5	AUX3	120	EXHAUST VARIABLE VALVE SOLENOID	0,5mm
G12	AUX5	121	INTAKE VARIABLE VOLUME SOLENOID	0,5mm
G20	AUX4	44	SECONDARY CRANKCASE BREATHER	0,5mm
G4	AUX6	115	INTAKE VARIABLE VALVE SOLENOID	0,5mm
G2	H-BRIDGE #1 B	117	DBW motor +	0,75mm
G10	H-BRIDGE #1 A	118	DBW motor -	0,75mm
G3	H-BRIDGE #2 A	37	A/C ENGINE SPEED SIGNAL	0,5mm

G11	H-BRIDGE #2B	64	EVAP solenoid	
B5	CLT	93	WATER TEMP	0,5mm
B32	IAT	26	INTAKE AIR TEMP	0,5mm
B18	TPS IN	35	TPS IN	0,5mm
B3	KS #1	106	KNOCK SENSOR 1 [military spec]	0,5mm shielded
B16	KS #2	107	KNOCK SENSOR 2	0,5mm
B26	+5V	72, 73, 91, 98	SENSOR POWER (TPS, PRESS)	0,5mm
B8	PRIMARY TRIGGER	82	CRANCKSHAFT POSITION SENSOR[military spec]	0,5mm shielded
B21	CAMSYNC #1	86	CAMSHAFT POSITION SENSOR	0,5mm
B7	CAMSYNC #2	87	CAMSHAFT POSITION SESNOR #2	0,5mm
B31	ANALOG #1	84	DBW POT INV SIGNAL	0,5mm
B30	ANALOG #4	92	DBW POT SIGNAL	0,5mm
B4	ANALOG #2	34	PPS SIGNAL INVERTED	0,5mm
B17	ANALOG #3	55	BRAKE SWITCH (PULLDOWN 4K7)	0,5mm
B35	ANALOG #5	41	AC SIGNAL (PULLDOWN 4K7)	0,5mm
B37	ANALOG #6	39	CLUTCH SWITCH (PULLDOWN 4K7)	0,5mm
G19	WBO HEATER	5	WBO CONTROLER	0,7mm
B6	WBO Vs	70	WBO CONTROLER	0,5mm
B33	WBO Vs/Ip	51	WBO CONTROLER	0,5mm
B19	WBO Ip	52	WBO CONTROLER	0,5mm
B22	WBO Rcal	71	WBO CONTROLER	0,5mm
B12	CAN H	60	CAN BUS HIGH [twisted cord]	0,5mm
B25	CAN L	58	CUN BUS LOW [twisted cord]	0,5mm

** 1mm diameter, 1,7m length with 20A fuse and 6mm connector*

Sensors ground

108 - CLT , IAT, HALL, MAP (shield)

99 - knock 1,2

90 – crankshaft sensor

83 – DBW

50 – power steering, EGT

36 – PPS1

33 – PPS2

27 – IAT

+5v supply

73 – PPS1

72 – PPS2

91 – DBW

98 – HALL, MAP

* * * * *

2 – A/C SIGNALS – PULLDOWN

3 – BRAKE SWITCH +12V – PULLDOWN

4 – CLUTCH SWSITCH +12 V – PULLDOWN

A/C tachometer signal 60hz – 50% pwm