

ABH V8 to VEMS Using an ABZ Harness Wiring Schedule

Name	Name / Description	Harness Pinout	Pin Description	H A R N E S S			
				ABH	ABZ		VEMS
				Pin #	Pin #	Wire Color	Pin #
INPUTS							
G4	Ingition Timing Sender (Flywheel Pin)	Pin 1	Ground from ECU	48	N/A	N/A	EC36-26
		Pin 2	Signal Back to ECU	47	N/A	N/A	EC18-12
		Pin 3	Ground to Chassis	Ground	N/A	N/A	EC36-26
G28	Engine Speed Sensor	Pin 1	Ground from ECU	48	A18	Grey	EC36-26
		Pin 2	Signal Back to ECU	49	A17	Blu	EC36-27
		Pin 3	Ground to Chassis	Ground	Ground	Brn	EC36-26
G40	Camshaft Position Sensor	Pin 1	+5V from ECU	12	A3	Blk/Wht	EC36-28
		Pin 2	Signal Back to ECU	8	B2	Blk/Blu	EC36-13
		Pin 3	Ground to Chassis	Ground	Ground	Brn	EC36-26
F60/G69	Idling Switch and Throttle Valve Potentiometer	Pin 1	+5V from ECU	12	A3	Blk/Wht	EC36-29
		Pin 2	Ground From ECU	30	A19	Blk/Brn	EC36-26
		Pin 3	Signal from TPS to ECU	53	A24	Blu/Brn	EC36-1
		Pin 4	Ground From ECU	30	Ground	Brn	EC36-26
		Pin 6	Closed Throttle Signal	52	B4	Blk/Yel	
G42	Intake Air Temperature Sensor	Pin 1	Signal from IAT to ECU	44	A22	Wht/Grn	EC36-2
		Pin 2	Ground From ECU	30	A19	Blk/Brn	EC36-26
G62	Engine Coolant Temperature Sensor	Pin 1	Signal from ECT to ECU	45	A23	Vio/Yel	EC36-14
		Pin 2	Ground From ECU	30	A19	Blk/Brn	EC36-26
G61	Knock Sensor #1 (Right Bank Cyl 1-4)	Pin 1	Signal to ECU	11	A20	Brn	EC18-1
		Pin 2	Ground From ECU	30	A19	White	EC36-26
		Pin 3	Ground to Chassis	Ground	Ground	Blk	GROUND
G66	Knock Sensor #2 (Left Bank Cly 5-8)	Pin 1	Signal to ECU	11	A21	Grn	EC18-2
		Pin 2	Ground From ECU	30	A19	Yel	EC36-26
		Pin 3	Ground to Chassis	Ground	Ground	Blk	GROUND
G98	EGR Temperature Sensor	Pin 1	Signal From EGR TS to ECU	46			
		Pin 2	Ground From ECU	30			EC36-26
G70	Mass Air Flow Sensor	Pin 1	Ground to Chassis			Ground	GROUND
		Pin 2				B18	
		Pin 3	To 20A Fuse in Sta 4			FP	
		Pin 4				B19	
WB02	Wide Band Oxygen Sensor	Pin 1	WB02 Nerst Signal				EC18-13
		Pin 2	Not Connected				
		Pin 3	12v Battery (5a Fused)				fused 12v
		Pin 4	WB02 Heater				EC18-18
		Pin 5	WB02 Pump -				EC18-7
		Pin 6	WB02 Pump +				EC18-9

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				ABH	ABZ		VEMS
				Pin #	Pin #	Wire Color	Pin #

OUTPUTS

N30	Fuel Injector #1	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	36	E1	Blk/Red	EC36-7
N31	Fuel Injector #2	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	32	D7	Blk/Brn	EC36-19
N32	Fuel Injector #3	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	15	D6	Blk/Blu	EC36-8
N33	Fuel Injector #4	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	35	E2	Blk/Wht	EC36-20
N83	Fuel Injector #5	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	17	E5	Blk/Gry	EC36-9
N84	Fuel Injector #6	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	34	D2	Blk/Grn	EC36-18
N85	Fuel Injector #7	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	33	D3	Blk	EC36-6
N86	Fuel Injector #8	Pin 1	From S23 - 10A fuse	S23 10A	S116 15A	Wht	fused 12v
		Pin 2	Ground Signal from ECU	16	E6	Blk/Yel	EC36-17
N18	EGR Pulse Valve	Pin 1					
		Pin 2					
N71	Idle Stabilization Valve	Pin 1	12v from ECU	37	D5	Brn/Red	
		Pin 2	Earth Activation from ECU	4	D1	Brn/Blu	
N156	Intake Changeover Valve	Pin 1	12v from Power Supply Relay	N/A		Yel/Blk	
		Pin 2	Earth Activation from ECU	N/A	A5	Yel/Wht	
N122	POWER OUTPUT STAGE #1	Pin 1	Signal to Coil 7	N/A	B8	Gry/Grn	EC36-24
		Pin 2	Signal to Coil 6	N/A	B7	Gry/Blu	EC36-11
		Pin 3	Ground Signal from ECU	N/A	Ground	Brn	Ground
		Pin 4	Signal to Coil 4	N/A	B6	Blk/Grn	EC36-24
		Pin 5	Signal to Coil 1	N/A	B5	Gry/Vio	EC36-11
N192	POWER OUTPUT STAGE #2	Pin 1	Signal to Coil 8	N/A	B14	Gry/Red	EC36-10
		Pin 2	Signal to Coil 5	N/A	B13	Gry/Yel	EC36-12
		Pin 3	Ground Signal from ECU	N/A	Ground	Brn	Ground
		Pin 4	Signal to Coil 3	N/A	B15	Blk/Vio	EC36-12
		Pin 5	Signal to Coil 2	N/A	B16	Blk/Red	EC36-10
DSUB9	Serial Port	Pin 1	Empty				
		Pin 2	RS232 DSUB9 Pin 2				EC18-15
		Pin 3	RS232 DSUB9 Pin 3				EC18-14
		Pin 4	Empty				
		Pin 5	Sensor Ground				EC36-26