

ECU Manual for:

Motion SE08, DE08



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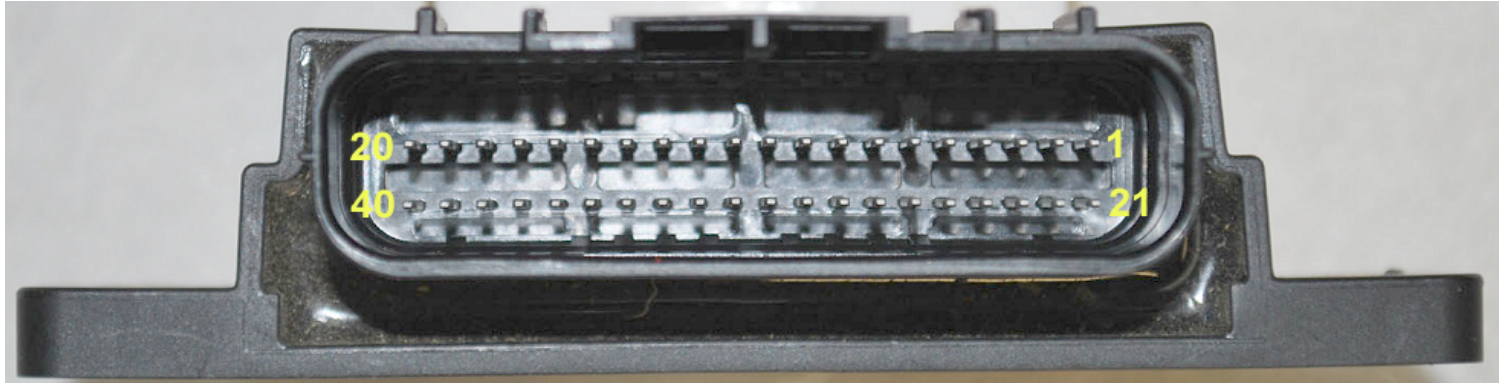
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Motion SE08 (single cylinder)



Pin	Usage	Pin	Usage
1	Ignition Coil	18	Power Ground
2	12V Battery Voltage (permanent)	19	Power Ground
3	Crankshaft Sensor(23X) High	20	Crankshaft Sensor(23X) Low
4	IACV Stepper Motor A Low	21	IACV Stepper Motor A High
5	IACV Stepper Motor B Low	22	IACV Stepper Motor B High
6	Oxygen Sensor Heater	23	5 Volt Output for Sensors
7	Fuel Pump Relay	24	RPM Output
8	Secondary Air Valve	25	Fuel Injector
9	Cooling Fan Relay	26	Carbon Canister Purge Valve
10	12V Battery Voltage (over Ignition switch)	27	MIL Lamp
11	K-Line	28	Ground for Sensors
12	Vehicle Speed Sensor	29	Neutral / Clutch Switch
13	Roll Over Switch	30	Side Stand Switch
14	Power Enrich / Reverse Switch	31	MAP Sensor
15	Engine Temperature Sensor	32	TPS Sensor
16	Oxygen Sensor	33	IAT Sensor
17	CAN Bus Hi (only for factory development)	34	CAN Bus Lo (only for factory development)

Motion DE08 (dual cylinder)



Pin	Usage	Pin	Usage
1	CAN Bus Lo (only for factory development)	21	CAN Bus Hi (only for factory development)
2	Roll Over Switch	22	Side Stand Switch
3	TPS Sensor	23	MAP Sensor
4	IAT Sensor	24	Engine Temperature Sensor
5	Oxygen Sensor 2	25	Oxygen Sensor 1
6	Neutral / Clutch Switch	26	Reverse Switch
7	Vehicle Speed Sensor	27	not used or MAP Sensor 2
8	12V Battery Voltage (over Ignition Switch)	28	K-Line
9	12V Battery Voltage (permanent)	29	Ground for Sensors
10	Crankshaft Sensor (23X) High	30	Crankshaft Sensor (23X) Low
11	Headlight Relay	31	5 Volt Output for Sensors
12	Oxygen Sensor 1 Heater	32	RPM Output
13	IACV Stepper Motor A Low	33	IACV Stepper Motor A High
14	IACV Stepper Motor B Low	34	IACV Stepper Motor B High
15	Cooling Fan Relay	35	Carbon Canister Purge Valve
16	Fuel Injector 2	36	MIL Lamp
17	not used	37	Fuel Injector 1
18	Oxygen Sensor 2 Heater	38	Power Ground
19	Fuel Pump relay	39	Power Ground
20	Ignition Coil 2	40	Ignition Coil 1