

# MS3 MAIN Harness

Pin #	Name	Function	IN/Out	Connection to
1	GND	CRANK SENSOR GROUND	GND	
2	GND	CRANK SENSOR SHIELD	GND	
3	SPR1	ABS		EXTERNAL Shield
4	SPR2	ABS		EXTERNAL Shield
5	SPR3	VSS-		ECU PIN 6
6	SPR4	VSS+		ECU PIN 3
7	GND	SENSOR GROUND	GND	ECU PIN 46
8	GND	SPARE GND	GND	
9	GND	SPARE GND	GND	
10	GND	SPARE GND	GND	
11	GND	SPARE GND	GND	
12	GND	SPARE GND	GND	
13	GND	SPARE GND	GND	
14	GND	SPARE GND	GND	
15	GND	POWER GROUND	GND	ECU PIN 40
16	GND	POWER GROUND	GND	
17	GND	POWER GROUND	GND	
18	GND	POWER GROUND	GND	
19	GND	POWER GROUND	GND	ECU PIN 60
20	MAT	MAT SENSOR INPUT		ECU PIN 25
21	CLT	COOLANT SENSOR INPUT		ECU PIN 7
22	TPS	TPS SENSOR INPUT		ECU PIN 47
23	O2	OXYGEN SENSOR INPUT		WB EGO
24	TACH IN	CRANK TACH INPUT		ECU PIN 56
25	IAC1A	IAC1A		**NOT USED**
26	TPSVREF 5V	5V SUPPLY FOR TPS		ECU PIN 26 (CHECK)
27	IAC1B	IAC1B		**NOT USED**
28	12v IN	MAIN POWER FEED		ECU PIN 37/57
29	IAC2A	IAC2B		**NOT USED**
30	FIDLE	IDLE VALVE		**NOT USED**
31	IAC2B	IAC2B		**NOT USED**
32	INJ1	INJECTOR BANK 1 OUTPUT		**NOT USED**
33	INJ1	INJECTOR BANK 1 OUTPUT		**NOT USED**
34	INJ2	INJECTOR BANK 2 OUTPUT		**NOT USED**
35	INJ2	INJECTOR BANK 2 OUTPUT		**NOT USED**
36	IGN	HIGH CURRENT IGNITION		ECU PIN 36
37	FP (PUMP)	FUEL PUMP RELAY OUTPUT		ECU PIN 22