

BMW E46 M3 MK60 ABS Wiring Plan

Pin No.	Description	Type	Connection	Wire Size	Wire Colour	Comment	Location	Feed To/From
1	Fuse 30amp	12V+	Fused Battery +ve - Always Live (Include OBD2 12V+ Supply)	14ga/2.5mm	Red		Engine Bay	From Fusebox
2	Diagnostics TXD	Signal	OBD Connector Pin8 (OBD-2) - USB Cable has Pin 7 & 8 Jumpered Together	20ga/0.5mm	White		Engine Bay	To OBD2 Port
3	Not Used		Not Used					
4	Fuse 5amp	12V+	Connect to Ignition Hot when running (Connect to ABS On/Off Switch)	20ga/0.5mm	Red		Cabin	From Switch in Dash
5	Not Used		Not Used					
6	DSC Speed Sensor Supply	V+	DSC Sensor Pin3	20ga/0.5mm	Brown		Cabin	To DSC Sensor
7	Not Used		Not Used					
8	Rear Right Wheel Speed Output	Signal	Connect to Haltech I/O Expander DPI 4 - Pin 21	20ga/0.5mm	Violet		Cabin	To Haltech ECU
9	Brake Fluid Level Switch input	Ground	For track cars attach to chassis ground	20ga/0.5mm	Black		Engine Bay	Ground in Plug
10	Rear Left Wheel Speed Output	Signal	Connect to Haltech I/O Expander DPI 3 - Pin 22	20ga/0.5mm	Blue		Cabin	To Haltech ECU
11	CAN-Bus High	Signal	Connect to ECU CAN-High or Datalogger CAN-High (Twisted with 15)	20ga/0.5mm	Yellow	Twist with 15	Cabin	To AIM Dash
12	Front Right Wheel Speed Output	Signal	Connect to Haltech I/O Expander DPI 2 - Pin 23	20ga/0.5mm	Tan		Cabin	To Haltech ECU
13	Not Used		Not Used					
14	Front Left Wheel Speed Output	Signal	Connect to Haltech I/O Expander DPI 1 - Pin 24	20ga/0.5mm	Grey		Cabin	To Haltech ECU
15	CAN-Bus Low	Signal	Connect to ECU CAN-Low or Datalogger CAN-Low (Twisted with 11)	20ga/0.5mm	Green	Twist with 11	Cabin	To AIM Dash
16	Chassis Ground	Ground	Connect to Chassis Ground (Include OBD2 Ground Supply)	14ga/2.5mm	Black		Engine Bay	Ground to Chassis Near Plug
17	Not Used		Not Used					
18	Rear line Pressure sensor Pin 3	V+	Rear line Pressure Sensor 2 Pin3	20ga/0.5mm	Red	Twist 18,19 &20	Engine Bay	To Rear Pressure Sensor
19	Rear line Pressure sensor Pin 1	Ground	Rear line Pressure Sensor 2 Pin1	20ga/0.5mm	Black/White	Twist 18,19 &20	Engine Bay	To Rear Pressure Sensor
20	Rear line Pressure sensor Pin 2	Signal	Rear line Pressure Sensor 2 Pin2	20ga/0.5mm	Green/Black	Twist 18,19 &20	Engine Bay	To Rear Pressure Sensor
21	Front line Pressure sensor Pin 1	Ground	Front line Pressure Sensor 1 Pin1	20ga/0.5mm	Black/White	Twist 21, 22 & 23	Engine Bay	To Front Pressure Sensor
22	Front line Pressure sensor Pin 3	V+	Front line Pressure Sensor 1 Pin3	20ga/0.5mm	Red	Twist 21, 22 & 23	Engine Bay	To Front Pressure Sensor
23	Front line Pressure sensor Pin 2	Signal	Front line Pressure Sensor 1 Pin2	20ga/0.5mm	Green/Red	Twist 21, 22 & 23	Engine Bay	To Front Pressure Sensor
24	DSC Speed Sensor Ground	Ground	DSC Sensor Pin5	20ga/0.5mm	Green		Cabin	To DSC Sensor
25	DSC Speed Sensor CAN2-L	Ground	DSC Sensor Pin1 (Twisted with 29)	20ga/0.5mm	Black/White	Twist with 29	Cabin	To DSC Sensor
26	Not Used		Not Used					
27	Hand Brake Signal (Not Used)		Not Used (Leave Empty)					
28	Not Used		Not Used					
29	DSC Speed Sensor CAN2-H	V+	DSC Sensor Pin2 (Twisted with 25)	20ga/0.5mm	Orange	Twist with 25	Cabin	To DSC Sensor
30	Not Used		Not Used					
31	Not Used		Not Used					
32	Fuse 30amp	12V+	Fused Battery +ve - Always Live	14ga/2.5mm	Red		Engine Bay	From Fusebox
33	Wheel Speed sensor front right	Signal	Wheel Speed sensor front right Pin1 (Twisted with 34)	20ga/0.5mm	Blue	Twist with 34	Engine Bay	To RH Front Wheel
34	Wheel Speed sensor front right	V+	Wheel Speed sensor front right Pin2 (Twisted with 33)	20ga/0.5mm	Orange	Twist with 33	Engine Bay	To RH Front Wheel
35	Not Used		Not Used					
36	Wheel Speed sensor rear left	V+	Wheel Speed sensor rear left Pin2 (Twisted with 37)	20ga/0.5mm	Orange	Twist with 37	Rear of Car	To LH Rear Wheel Along PPF
37	Wheel Speed sensor rear left	Signal	Wheel Speed sensor rear left Pin1 (Twisted with 36)	20ga/0.5mm	Violet	Twist with 36	Rear of Car	To LH Rear Wheel Along PPF
38	Not Used		Not Used					
39	Not Used		Not Used					
40	Not Used		Not Used					
41	Brake light switch signal - See Below	Signal	Signal from brake light switch.	20ga/0.5mm	Grey		Cabin	To Brake Switch Relay
42	Wheel Speed sensor rear right	Signal	Wheel Speed sensor rear right Pin1 (Twisted with 43)	20ga/0.5mm	Pink	Twist with 43	Rear of Car	To RH Rear Wheel Along PPF
43	Wheel Speed sensor rear right	V+	Wheel Speed sensor rear right Pin2 (Twisted with 42)	20ga/0.5mm	Orange	Twist with 42	Rear of Car	To RH Rear Wheel Along PPF
44	ABS Fault/Warning light output	Signal	ABS Fault/Warning light output, please see ABS LED Section	20ga/0.5mm	Tan		Cabin	To AIM Dash (Analogue Input)
45	Wheel Speed sensor Front Left	V+	Wheel Speed sensor front left Pin2 (Twisted with 46)	20ga/0.5mm	Orange	Twist with 46	Engine Bay	To LH Front Wheel
46	Wheel Speed sensor Front Left	Signal	Wheel Speed sensor front left Pin1 (Twisted with 45)	20ga/0.5mm	Brown	Twist with 45	Engine Bay	To LH Front Wheel
47	Chassis Ground	Ground	Connect to Chassis Ground	14ga/2.5mm	Black		Engine Bay	Ground to Chassis Near Plug
N/A	OBD2 12V+	V+	Crimp with Pin 1 12V+ Supply - OBD Port Pin16	20ga/0.5mm	Red		Engine Bay	From Main Plug to OBD2 Output
N/A	OBD2 Ground	Ground	Crimp with Pin 16 Ground - OBD Port Pin4(Chassis Gnd) & Pin5(Sig Gnd)	20ga/0.5mm	Black		Engine Bay	From Main Plug to OBD2 Output

Brake Light Switch: The MK60 requires an input when the brake pedal is depressed. The wire that senses this needs to see a chassis ground when pedal is NOT pressed (Normally Closed) and open circuit when the pedal IS pressed. This can be accomplished a variety of ways. The most basic way is to use the brake light voltage to drive a 5 pin relay normally closed to ground and open circuit when energised.