

<b>Gearbox Temp</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	AGND	Dash Red - 8	Blue
2	Signal (Ana 1)	Dash Yellow - 20	Orange

<b>Gearbox Position</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	AGND	Dash Red - 8	Pink
2	5v Power	Dash Red - 1	White
3	Signal (Ana 3)	Dash Yellow - 29	Grey

<b>Washer Pump</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	12V Power	Switch Panel 12W - 7	Green
2	GND	GND - 1	Black

<b>Oil Press</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	AGND	Dash Red - 38	Black
2	Signal (Ana 7)	Dash Yellow - 37	White
3	5v Power	Dash Red - 39	Grey

<b>Radiator Fan</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	12V Power	Fuse 5 - OUT	Brown/Green
		Fuse 6 - OUT	Brown/Green
2	GND	GND - 1	Black

<b>Battery Positive</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Battery +12V	Relay 1 - 30	Red
	Battery +12V	Relay 2 - 30	Red
	Battery +12V	Fuse 1 - IN	Red/Grey
	Battery +12V	Fuse 3 - IN	Red/Grey
	Battery +12V	Switch Panel Stud - 1	Red
	Battery +12V	EPAS Power - 1	Red

<b>External Isolator</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Isolator Button	Switch Panel 6W - 1	Blue
2	Isolator Button	Switch Panel 6W - 5	Blue

<b>External Extinguisher</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Extinguisher Button	Internal Extinguisher - 1	Grey
2	Extinguisher Button	Internal Extinguisher - 2	Grey

<b>Engine Loom Split</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	ECU +12V	Fuse 1 - OUT	Red/White
2	ECU Ignition +12V	Fuse 2 - OUT	White
3	GND	GND - 1	Black
4	CAN Hi	Data Link Comms - 6	Red
		Dash Yellow - 11	Red
5	CAN Low	Data Link Comms - 7	Blue
		Dash Yellow - 12	Blue
6	Fuel Pump Control	Fuel Pump - 3	White
7	Rad Fan Control	Relay 2 - 85	White
8	Load Cell Signal	Load Cell - 2	Pink
9	Engine Sensor +12V	Fuse 4 - OUT	Red/Green
10	Starter Solenoid	Switch Panel 12W - 10	Red/White
11	PPS 5v Power	Throttle Pedal - 3	Grey
12	PPS AGND	Throttle Pedal - 4	Black
		Load Cell - 1	Black
13	PPS Signal 1	Throttle Pedal - 1	Yellow
14	PPS Signal 2	Throttle Pedal - 2	Green

<b>Relay 1 (Brake Lights)</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
85	GND	GND - 1	Black
86	Signal (HSD1)	Dash Red - 9	Green
87	Brake Lights	RH Rear Lights - 1	Red/Brown
		LH Rear Lights - 1	Red/Brown
30	+12V Power	Battery +12V - 1	Red

<b>Relay 2 (Radiator Fan)</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
85	Rad Fan Control	Engine Split - 7	White
86	+12V Power	Relay 2 - 30	Red
87	Rad fan Power	Fuse 5 - IN	Red/Brown
		Fuse 6 - IN	Red/Brown
30	+12V Power	Battery +12V - 1	Red
		Relay 2 - 86	Red

<b>Fuse Box</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
F1 IN	+12V Power	Battery +12V - 1	Red/Grey
F1 OUT	ECU +12V	Engine Split - 1	Red/White
F2 IN	+12V Power	Switch Panel 12W - 11	Red/Grey
F2 OUT	ECU Ignition +12V	Engine Split - 2	White
		Load Cell - 3	White
		EPAS Switch - 2	White
		Dash Yellow - 2	White
		Dash Yellow - 3	White
F3 IN	+12V Power	Battery +12V - 1	Red/Grey
F3 OUT	Fuel Pump +12V	Fuel Pump - 2	Red
F4 IN	+12V Power	Switch Panel 12W - 12	Red/Purple
F4 OUT	Engine Sensors +12V	Engine Split - 9	Red/Green
F5 IN	+12V Power	Relay 2 - 87	Red/Brown
F5 OUT	Rad Fan +12V	Radiator Fan - 1	Brown/Green
F6 IN	+12V Power	Relay 2 - 87	Red/Brown
F6 OUT	Rad Fan +12V	Radiator Fan - 1	Brown/Green

<b>GND</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	GND	Dash Yellow - 1	Black
	GND	Switch Panel 5W - 3	Black
	GND	Switch Panel 6W - 3	Black
	GND	Washer Pump - 2	Black
	GND	Radiator Fan - 2	Black
	GND	Engine Split - 3	Black
	GND	Relay 1 - 85	Black
	GND	Blower - 1	Black
	GND	Data Link Comms - 1	Black
	GND	Wiper Motor - 3	Black
	GND	EPAS Switch - 1	Black
	GND	Fuel Pump - 1	Black
	GND	RH Rear Lights - 4	Black
	GND	LH Rear Lights - 4	Black
	GND	Rain Light - 1	Black
	GND	EPAS Power - 2	Black

<b>Blower Fan</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	GND	GND - 1	Black
2	12V Power	Switch Panel 12W - 8	Red

<b>Data Link Comms</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	GND	GND - 1	Black
2	n/c		
3	n/c		
4	n/c		
5	n/c		
6	CAN Hi	Engine Split - 4	Red
7	CAN Low	Engine Split - 5	Blue
8	n/c		
9	n/c		

<b>LH Door Split</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
28	LH Up/Down-	Switch Panel 5W - 4	Grey
29	LH Up/Down+	Switch Panel 5W - 2	Yellow

<b>Load Cell</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	PPS AGND	Engine Split - 12	Black
2	Load Cell Signal	Engine Split - 8	Pink
3	ECU Ignition +12V	Fuse 2 - OUT	White

<b>Switch Panel 5-Way</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	RH Up/Down-	RH Door - 28	Blue
2	LH Up/Down+	LH Door - 29	Yellow
3	GND	GND - 1	Black
4	LH Up/Down-	LH Door - 28	Grey
5	RH Up/Down+	RH Door - 29	Pink

<b>Switch Panel 6-Way</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Isolator Button	External Isolator - 1	Blue
2	n/c		
3	GND	GND - 1	Black
4	n/c		
5	Isolator Button	External Isolator - 2	Blue
6	Wiper Park	Wiper - 4	Grey

<b>Switch Panel 12-Way</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	n/c		
2	n/c		
3	Wiper Fast	Wiper - 2	Green/Grey
4	Wiper Slow	Wiper - 1	Green
5	RH Indicator	RH Rear Lights - 5	Light Green/White
6	LH Indicator	LH Rear Lights - 5	Light Green/Red
7	Washer	Washer Pump - 1	Green
8	Blower	Blower - 2	Red
9	Rain Light	Rain Light - 2	Red/Yellow
10	Starter	Engine Split - 10	Red/White
11	Ignition	Fuse 2 - IN	Red/Grey
12	Ignition	Fuse 4 - IN	Red/Purple

<b>Switch Panel Supply Stud</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	+12V Power	Battery +12V - 1	Red

<b>Internal Extinguisher</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Extinguisher Button	External Extinguisher - 1	Grey
2	Extinguisher Button	External Extinguisher - 2	Grey

<b>Spare (Not Used)</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Side Lights	RH Rear Lights - 6	Red/Orange
2	Side Lights	LH Rear Lights - 6	Red/Orange

<b>RH Door Split</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
28	RH Up/Down-	Switch Panel 5W - 1	Blue
29	RH Up/Down+	Switch Panel 5W - 5	Pink

<b>Wiper Motor</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Wiper Slow	Switch Panel 12W - 4	Green
2	Wiper Fast	Switch Panel 12W - 3	Green/Grey
3	GND	GND - 1	Black
4	Wiper Park	Switch Panel 6W - 6	Grey

<b>EPAS Switch</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	GND	GND - 1	Black
2	+12V Power	Fuse 2 - OUT	White

<b>Brake Press</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	12v Out	Dash Red - 20	Green
2	n/c		
3	Signal (Ana 2)	Dash Yellow - 27	Purple
4	AGND	Dash Red - 43	Yellow

<b>Throttle Pot</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	PPS Signal 1	Engine Split - 13	Yellow
2	PPS Signal 2	Engine Split - 14	Green
3	PPS 5v	Engine Split - 11	Grey
4	PPS AGND	Engine Split - 12	Black

<b>Power Steering Power</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	+12V Power	Battery +12V - 1	Red
2	GND	GND - 1	Black

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Dash Yellow			
Pin	Function	Destination	Wire Colour
1	GND	GND - 1	Black
2	12V Power	Fuse 2 - OUT	White
3	12V Power	Fuse 2 - OUT	White
4	n/c		
5	AGND	Dash Switches - 1	Black
6	n/c		
7	Signal (Dig 7)	Dash Switches - 2	Yellow
8	Ethernet TX+	Dash Comms - 3	White/Green
9	Ethernet TX-	Dash Comms - 6	Green
10	5v Power	GPS Beacon - 3	Red
11	CAN1 Hi	Engine Split - 4	Red
12	CAN1 Lo	Engine Split - 5	Blue
13	n/c		
14	5v Power		
15	n/c		
16	n/c		
17	n/c		
18	n/c		
19	n/c		
20	Signal (Ana 1)	Gearbox Temp - 2	Orange
21	Signal (Dig 8)	Dash Switches - 3	Orange
22	Signal (Dig 9)	Dash Switches - 4	Green
23	Ethernet RX+	Dash Comms - 1	White/Orange
24	Ethernet RX-	Dash Comms - 2	Orange
25	n/c		
26	n/c		
27	Signal (Ana 2)	Brake Pressure - 3	Purple
28	n/c		
29	Signal (Ana 3)	Gearbox Position - 3	Grey
30	n/c		
31	n/c		
32	Signal (Lap Beacon)	Lap Beacon - 2	Blue
33	n/c		
34	n/c		
35	n/c		
36	n/c		
37	Signal (Ana 7)	Oil Pressure - 2	White
38	n/c		
39	n/c		
40	n/c		
41	n/c		
42	n/c		



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43	n/c		
44	n/c		
45	n/c		
46	n/c		
47	n/c		
48	n/c		
49	n/c		
50	Signal (Dig 10)	Dash Switches - 5	Purple
51	n/c		
52	n/c		
53	n/c		
54	n/c		
55	n/c		

<b>Dash Red</b>			
<b>Pin</b>	<b>Function</b>	<b>Destination</b>	<b>Wire Colour</b>
1	5v Power	Gearbox Position - 2	White
2	n/c		
3	n/c		
4	12v Out	Lap Beacon - 3	Red
5	AGND	Lap Beacon - 1	Black
6	n/c		
7	n/c		
8	AGND	Gearbox Temp - 1	Blue
		Gearbox Position - 1	Pink
9	Signal (HSD1)	Relay 1 - 86	Green
10	n/c		
11	n/c		
12	n/c		
13	n/c		
14	n/c		
15	n/c		
16	n/c		
17	n/c		
18	n/c		
19	n/c		
20	12v Out	Brake Pressure - 1	Green
21	n/c		
22	n/c		
23	n/c		
24	n/c		
25	n/c		
26	n/c		
27	n/c		

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28	n/c		
29	n/c		
30	n/c		
31	n/c		
32	n/c		
33	n/c		
34	n/c		
35	AGND	GPS Beacon - 1	Black
36	n/c		
37	n/c		
38	AGND	Oil Pressure - 1	Black
39	5v Power	Oil Pressure - 3	Grey
40	n/c		
41	n/c		
42	n/c		
43	AGND	Brake Pressure - 4	Yellow
44	n/c		
45	n/c		
46	n/c		
47	RS232 Rx	GPS Beacon - 2	Blue
48	n/c		
49	n/c		
50	n/c		
51	n/c		
52	n/c		
53	n/c		
54	n/c		
55	n/c		

<b>Lap Beacon</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	AGND	Dash Red - 5	Black
2	Signal (Lap Beacon)	Dash Yellow - 32	Blue
3	12v Out	Dash Red - 4	Red

<b>GPS Beacon</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	AGND	Dash Red - 35	Black
2	RS232 Rx	Dash Red - 47	Blue
3	5v Power	Dash Yellow - 10	Red

<b>Dash Switches</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	AGND	Dash Yellow - 5	Black
2	Signal (Dig 7)	Dash Yellow - 7	Yellow
3	Signal (Dig 8)	Dash Yellow - 21	Orange
4	Signal (Dig 9)	Dash Yellow - 22	Green
5	Signal (Dig 10)	Dash Yellow - 50	Purple
6	n/c		

<b>Dash Comms</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Ethernet RX+	Dash Yellow - 23	White/Orange
2	Ethernet RX-	Dash Yellow - 24	Orange
3	Ethernet TX+	Dash Yellow - 8	White/Green
4	n/c		
5	n/c		
6	Ethernet TX-	Dash Yellow - 9	Green
7	n/c		
8	n/c		
9	n/c		

<b>Rain Light</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	GND	GND - 1	Black
2	12v Power	Switch Panel 12W - 9	Red/Yellow

<b>Fuel Pump Module</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	GND	GND - 1	Black
2	12v Power	Fuse 3 - OUT	Red
3	Fuel Pump Control	Engine Split - 6	White

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<b>LH Rear Light</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Brake Light	Relay 1 - 87	Red/Brown
2	Brake Light		
3	n/c		
4	GND	GND - 1	Black
5	LH Indicator	Switch Panel 12W - 6	Light Green/Red
6	Side Lights	Spare - 1	Red/Orange

<b>RH Rear Light</b>			
<u>Pin</u>	<u>Function</u>	<u>Destination</u>	<u>Wire Colour</u>
1	Brake Light	Relay 1 - 87	Red/Brown
2	Brake Light		
3	n/c		
4	GND	GND - 1	Black
5	RH Indicator	Switch Panel 12W - 5	Light Green/White
6	Side Lights	Spare - 2	Red/Orange