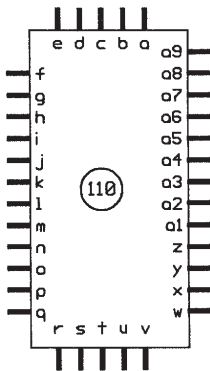


Diagram 1g : Typical fuel injection and ignition (XU9J4 and XU9J4/Z M1.3 Motronic) - early models

NOTES:

1. All diagrams are divided into numbered circuits depending on function e.g. Diagram 2: Exterior lighting.
2. Items are arranged in relation to a plan view of the vehicle.
3. Items may appear on more than one diagram so are found using a grid reference e.g. 2/A1 denotes an item on diagram 2 grid location A1.
4. Complex items appear on the diagrams as blocks and are expanded on the internal connections page.
5. Brackets show how the circuit may be connected in more than one way.
6. Not all items are fitted to all models.
7. Wire identification is not by colour, but by letters or numbers appearing on the wire at each end.

INTERNAL CONNECTION DETAILS



KEY TO INSTRUMENT CLUSTER (ITEM 110)

- a = +VE Supply
- b = Earth
- c = Tachometer
- d = Tachometer
- e = Oil Level Gauge
- f = Oil Level Gauge
- g = +VE Supply
- h = +VE Supply
- i = Diagnosis Warning Lamp
- j = Coolant Level Warning Lamp
- k = Coolant Temperature Gauge
- l = High Temp. Warning Lamp
- m = +VE Supply
- n = Brake Pad Wear Warning Lamp
- o = +VE Supply
- p = ABS Warning Lamp
- q = Direction Indicator Warning Lamp
- r = Sidelamp Warning Lamp
- s = Dipped Beam Warning Lamp
- t = Main Beam Warning Lamp
- u = Clock
- v = +VE Supply
- w = Direction Indicator Warning Lamp
- x = Earth
- y = Fuel Gauge
- z = Low Fuel Warning Lamp
- a1 = No Charge Warning Lamp
- a2 = Oil Pressure Warning Lamp
- a3 = +VE Supply
- a4 = Low Brake Fluid Warning Lamp
- a5 = Handbrake Warning Lamp
- a6 = Instrument Illumination
- a7 = Earth
- a8 = Oil Temperature Gauge
- a9 = Choke Warning Lamp







FUSE RATING

1	15A PRE '89 20A POST '89
2	5A
3	5A
4	10A
5	10A
6	15A
7	15A PRE '89 20A POST '89
8	20A
9	5A
10	15A
11	5A
12	10A
13	20A
14	25A
15	15A
16	20A
17	5A
18	25A

CIRCUIT

- Heated rear window and heated mirrors
- Tail lamp LH
- Rear Foglamp
- Side, number plate, instrument panel, clock lighting and illumination control
- Ignition positive, courtesy lamp delay, oil level, tachometer, brake warning lamp, reversing lamps, cooling fan relay
- Accessories positive, wash/wipe, brake lamps, interior illumination
- Hazard warning lamps
- Electric windows, sunroof, boot/clock lamps, central locking, front/rear interior lamps, radio memory
- Radio, battery or accessories positive
- Accessories positive, heated rear window, front/rear electric windows, sunroof, clock lamp
- Tail lamp RH
- Accessories positive, ABS
- Electric windows rear
- Electric windows front, sunroof
- Electric horn, cigar lighter
- Air horn, cigar lighter
- Driving lamp LH
- Driving lamp RH
- Heater

KEY TO SYMBOLS

- PLUG-IN CONNECTOR 
- EARTH 
- BULB 
- DIODE 
- LINE CONNECTOR 
- FUSE/ FUSIBLE LINK 

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ITEM	DESCRIPTION	DIAGRAM/ GRID REF.	ITEM	DESCRIPTION	DIAGRAM/ GRID REF.
1	ABS Additional Regulation Unit Relay A	4a/D4	37	Combination Switch - Wash/Wipe	3/K3
2	ABS Additional Regulation Unit Relay B	4a/E5	38	Coolant Level Indicator Unit	1/A2
3	ABS Brake Warning Lamp Relay	4/J6	39	Coolant Temp. Gauge Sender Unit	1/G5
4	ABS ECU	4/G5, 4a/H4	40	Coolant Temp. Sensor	1a/F4, 1b/G4, 1c/G6, 1d/E6, 1e/E4, 1f/H7, 1g/E5, 1h/H7
5	ABS Pressure Switches	4/C2	41	Coolant Temp. Switch	1/H5
6	ABS Pump	4/D3, 4a/C5	42	Cooling Fan Motor	1/A5
7	ABS Pump Relay	4/C3	43	Cooling Fan Relay	1/A3
8	ABS Solenoid Valve Relay	4/D6	44	Cooling Fan Resistor	1/C2
9	ABS Solenoid Valves	4/C5, 4a/B3	45	Cooling Fan Switch	1/B6
10	Accessory Relay	3/G2	46	Dim/Dip Relay	2/F7
11	Air Flow Sensor	1e/R7, 1f/B6, 1g/F4, 1h/B6	47	Dim/Dip Resistor	2/E8
12	Air Horn	3/A7	48	Direction Indicator Flasher Relay	2a/D2
13	Air Horn Compressor Relay	3/B6	49	Direction Indicator LH Front	2a/A8
14	Alternator	1/C3	50	Direction Indicator RH Front	2a/A1
15	Ashtray Illumination	2b/E3	51	Distributor	1/E4, 1a/B5, 1b/J5, 1c/B5, 1d/B7, 1e/B6, 1f/D4, 1g/C6, 1h/D4
16	Audible Warning Device	2b/B1	52	Driving Lamp LH	2/A7
17	Auto. Trans. Inhibitor Relay	1/F1	53	Driving Lamp Relay	2/F7
18	Auto. Trans. Inhibitor Switch	1/F7	54	Driving Lamp RH	2/A2
19	Auto. Trans. Switch Stage Illumination	2b/K5	55	Electric Mirror Control Switch LH	3a/J5
20	Battery	1/D7, 1a/E7, 1b/D7, 1c/E7, 1d/C7, 1e/E7, 1f/C8, 1g/D7, 1h/C7, 2/D7, 2a/E7, 2b/E7, 3/E8, 3a/B7, 3b/C6, 4/C7, 4a/C7	56	Electric Mirror Control Switch RH	3a/J3
21	Brake Pad Wear Sensor	1/D1, 1/D8	57	Electric Mirror LH	3a/G8
22	Canister Purge Solenoid	1a/B4, 1d/B4, 1f/C7, 1h/C7	58	Electric Mirror RH	3a/G1
23	Canister Simulation Resistor	1f/D7	59	Electric Window Child Cut-out - (Rear Windows)	3b/L3
24	Carburettor Breather Solenoid	1/E6	60	Electric Window Instantaneous - Lift Unit (One Touch)	3b/F1
25	Central Locking Actuator Filler Cap	3a/M1	61	Electric Window Motor LH Front	3b/K8
26	Central Locking Actuator LH Front	3a/K8	62	Electric Window Motor LH Rear	3b/M8
27	Central Locking Actuator LH Rear	3a/L8	63	Electric Window Motor RH Front	3b/K1
28	Central Locking Actuator RH Front	3a/K1	64	Electric Window Motor RH Rear	3b/M1
29	Central Locking Actuator RH Rear	3a/L1	65	Electric Window Rear Control - Switch (LH Front)	3b/L5
30	Central Locking Actuator Tailgate	3a/M5	66	Electric Window Rear Control - Switch (LH Rear)	3b/L5
31	Central Locking Control Unit	3a/E7	67	Electric Window Rear Control - Switch (RH Front)	3b/L4
32	Central Locking Infra-red - Signal Receiver	3a/F5	68	Electric Window Rear Control - Switch (RH Rear)	3b/L4
33	Choke Switch	1/M1	69	Electric Window Relay Front	3b/B2
34	Cigar Lighter	2b/F4	70	Electric Window Relay Rear	3b/C2
35	Clock	2b/F5	71	Electric Window/Sunroof Relay	3b/E3
36	Combination Switch - Lighting, Direction Indicators And Horn	2/L4, 2a/J4, 2b/J4, 3/K4	72	Electric Window Switch LH	3b/J8
			73	Electric Window Switch RH (Drivers)	3b/J1
			74	Electric Window Switch RH (Drivers - One Touch)	3b/G1
			75	Electric Window Switch RH (Passengers)	3b/H1
			76	Engine Speed Sensor	1a/A3, 1c/D4, 1d/B5, 1f/E6, 1g/F6, 1h/E6

12•24 Wiring diagrams

ITEM	DESCRIPTION	DIAGRAM/ GRID REF.	ITEM	DESCRIPTION	DIAGRAM/ GRID REF.
77	Foglamp Front	2/A3, 2/A6	103	Ignition Coil (Dynamic)	1/C5, 1a/B6, 1b/G6, 1c/B6, 1d/C6, 1e/E4, 1f/C5, 1g/D6, 1h/C5
78	Foglamp Relay	2/F1	104	Ignition Coil (Static)	1a/B8, 1c/D4
79	Foglamp Switch Front	2/H1	105	Ignition Module	1/E4, 1b/J5, 1c/A6, 1c/E4, 1e/D6, 1f/B5, 1g/G6, 1h/B5
80	Foglamp Switch Rear	2/J2			
81	Fuel Gauge Sender Unit	1/M5			
82	Fuel Injection ECU	1a/G2, 1b/B6, 1c/G2, 1d/G4, 1e/H3, 1f/J3, 1g/H4, 1h/H3	106	Ignition Switch	1/K2, 1a/L2, 1b/L2, 1c/L2, 1d/L2, 1e/L2, 1f/L1, 1g/K2, 1h/L1, 2/K2, 2a/H2, 2b/J3, 3/K2, 3a/G2, 3b/E1, 4/K1, 4a/K2
83	Fuel Injectors	1a/C2, 1b/F5, 1c/C3, 1d/D4, 1e/E4, 1f/F4, 1g/E4, 1h/F4			
84	Fuel Pump	1a/M5, 1b/M5, 1c/M5, 1d/M5, 1e/M5, 1f/M5, 1g/L5, 1h/M5	107	Injection Supply Relay	1a/G7, 1b/C1, 1c/A1, 1d/C1, 1f/C1, 1g/B1, 1h/C1
85	Fuse - ABS	4a/B7	108	Inlet Air Temp. Sensor	1a/C3, 1c/B7, 1d/B3
86	Fuse - Cooling Fan	1/B7	109	Inlet Manifold Pressure Sensor	1a/B2, 1d/B3
87	Fuse - Fuel Injection Ecu	1g/D2	110	Instrument Cluster	1/K4, 1a/L4, 1b/K4, 1c/L5, 1d/L4, 1e/L4, 1f/L4, 1g/K4, 1h/L4, 2/H4, 2a/G4, 2b/G3, 4/J4, 4a/K4
88	Fuse - Fuel Pump	1a/G5, 1b/E2, 1c/D1, 1d/E1, 1e/C1, 1f/D1, 1g/C2, 1h/D1	111	Instrument Illumination Control	2b/J1, 3/J2
89	Fuse - Lambda Sensor	1a/G6, 1d/D1, 1e/C1, 1f/B1, 1h/E1			
90	Glove Box Lamp	2b/G7			
91	Glove Box Lamp Switch	2b/G7			
92	Handbrake Warning Switch	1/M6			
93	Hazard Warning Lamp Switch	2a/J5			
94	Headlamp Unit LH	2/A7			
95	Headlamp Unit RH	2/A2			
96	Heated Rear Window	3/L4			
97	Heated Rear Window Relay	3/E2			
98	Heated Rear Window Switch	3/H5			
99	Heater Blower Motor	3/F5			
100	Heater Blower Motor Speed Controller	3/G5			
101	Horn	3/A2, 3/A7			
102	Idle Solenoid	1a/C2, 1d/C5, 1g/C3, 1h/B4			

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ITEM	DESCRIPTION	DIAGRAM/ GRID REF.	ITEM	DESCRIPTION	DIAGRAM/ GRID REF.
112	Interior Lamp Door Switch LH Front . . .	2b/F8	149	Tachymetric Relay	1a/G6, 1b/D1,
113	Interior Lamp Door Switch LH Rear . . .	2b/L8			1c/C1,
114	Interior Lamp Door Switch RH Front . . .	2b/F1			1d/D1,
115	Interior Lamp Door Switch RH Rear . . .	2b/L1			1e/A2,
116	Interior Lamp Front	2b/G5			1f/D1,
117	Interior Lamp Rear	2b/L5			1g/C1,
118	Interior Lamp Timer Relay	2b/A2			1h/D1
119	Knock Sensor	1h/E2	150	Throttle Potentiometer	1a/D3, 1c/D3,
120	Lambda Sensor	1a/D6, 1d/E7, 1e/F6, 1f/F7, 1h/F7	151	Throttle Switch (Idle/Full Load)	1d/C5 1b/F6, 1e/A4, 1f/E6, 1g/F6, 1h/E6
121	Lamp Cluster LH Rear	2/M7, 2a/M7	152	Vanity Mirror Illumination	2b/J7
122	Lamp Cluster RH Rear	2/M2, 2a/M2	153	Washer Pump Front	3/C3
123	Low Brake Fluid Sender Unit	1/D2, 4/E2	154	Washer Pump Rear	3/L1
124	Luggage Comp. Lamp	2b/M5	155	Wheel Sensor LH Front	4/C8, 4a/C8
125	Luggage Comp. Lamp Switch	1/D2, 2b/M5	156	Wheel Sensor LH Rear	4/L8, 4a/L8
126	Map Reading Lamp	2b/H5	157	Wheel Sensor RH Front	4/C1, 4a/C1
127	Mixture Adjustment Potentiometer	1c/D6	158	Wheel Sensor RH Rear	4/L1, 4a/L1
128	Number Plate Lamp	2/M4, 2/M5	159	Wiper Motor Front	3/B5
129	Oil Level Sender Unit	1/G5	160	Wiper Motor Rear	3/M4
130	Oil Pressure Switch	1/G5	161	Wiper Relay Front	3/E3
131	Oil Temp. Sender Unit	1/H5	162	Wiper Relay Rear	3/M6
132	Radio/Cassette Unit	3a/G5			
133	Reversing Lamp Switch	2/E5			
134	Spark Plugs	1/D4, 1a/B8, 1a/B5, 1b/H5, 1c/B4, 1c/C4, 1d/B6, 1e/A6, 1f/C4, 1g/C6, 1h/C4			
135	Speaker LH Front (Dashboard)	3a/D8			
136	Speaker LH Front (Door)	3a/D8			
137	Speaker LH Rear	3a/M8			
138	Speaker RH Front (Dashboard)	3a/D1			
139	Speaker RH Front (Door)	3a/D1			
140	Speaker RH Rear	3a/M1			
141	Starter Motor	1/C7			
142	Stop-Lamp Switch	2a/D4			
143	Sunroof Motor	3b/H5			
144	Sunroof Position Switch	3b/G6			
145	Sunroof Relay	3b/F5			
146	Sunroof Switch	3b/H4			
147	Supplementary Air Device	1b/G5, 1c/F6, 1e/A5, 1f/G7			
148	Suppressor	1/C5, 1a/B7, 1a/B8, 1c/B6, 1c/D5, 1f/C6, 1h/C6			

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