

Sample of 2D ECU Location Diagram



**GLOBAL
INSIGHT**

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2D Location Diagram

BODY RELATED CONTROL UNITS

	GENERIC ECU NAME	OEM ECU NAME	GATEWAY	FUNCTION	MOUNTING TYPE
1	SMART JUNCTION BOX	JUNCTION BOX ELECTRONICS	CAN B - CAN C	CENTRAL GATEWAY AND POWER DISTRIBUTION	STAND ALONE BOX
2	BODY CONTROL UNIT	FOOTWELL MODULE	CAN B - CAN C	CONTROL OF MAJOR BODY FUNCTIONS	STAND ALONE BOX
3	CAR COMMUNICATION COMPUTER	CAR COMMUNICATION COMPUTER	CAN B - MOST	MANAGING OF AUDIO FUNCTIONS	STAND ALONE BOX
4	INSTRUMENT CLUSTER	INSTRUMENT CLUSTER		INSTRUMENT CLUSTER	STAND ALONE BOX
5	STEERING COLUMN SWITCH CLUSTER	STEERING COLUMN SWITCH CLUSTER		STEERING COLUMN SWITCH CLUSTER	STAND ALONE BOX
6	SEAT CONTROL UNIT DRIVER	SEAT CONTROL UNIT DRIVER		SEAT CONTROL	STAND ALONE BOX
7	SEAT CONTROL UNIT PASSENGER	SEAT CONTROL UNIT PASSENGER		SEAT CONTROL	STAND ALONE BOX
8	CENTRAL INFORMAITON DISPLAY	CENTRAL INFORMAITON DISPLAY		CENTRAL INFORMAITON DISPLAY	STAND ALONE BOX
9	ROOF FUNCTIONS CENTRE	ROOF FUNCTIONS CENTRE		ROOF FUNCTIONS CENTRE	STAND ALONE BOX
10	RAIN LIGHT SENSOR	RAIN LIGHT SENSOR		RAIN LIGHT SENSING	STAND ALONE BOX
11	SIREN/TILT SENSOR	SIREN/TILT SENSOR			STAND ALONE BOX
12	POWER CLOSURE CONTROL UNIT	POWER CLOSURE CONTROL UNIT		CONTROL OF BOOT LID POWER CLOSURE FUNCTIONS	STAND ALONE BOX
13	HVAC CONTROL UNIT	INTEGRATED AUTOMATIC HEATING/AIR CONDITIONING		HVAC CONTROL	STAND ALONE BOX
14	COMFORT ACCESS SYSTEM	COMFORT ACCESS SYSTEM		COMFORT ACCESS	STAND ALONE BOX
15	COMFORT ACCESS	COMFORT ACCESS		COMFORT ACCESS	STAND ALONE BOX
16	PARKING AID CONTROL MODULE	PARK DISTANCE CONTROL		PARKING AID	STAND ALONE BOX
17	HVAC CONTROL UNIT REAR	HVAC CONTROL UNIT REAR		HVAC CONTROL REAR	STAND ALONE BOX
18	SEAT HEATING 3RD ROW CONTROL UNIT	SEAT HEATING 3RD ROW CONTROL UNIT		SEAT HEATING 3RD ROW CONTROL	STAND ALONE BOX
19	TIRE PRESSURE MONITORING SYSTEM	TIRE PRESSURE MONITORING SYSTEM		TIRE PRESSURE MONITORING	STAND ALONE BOX
20	MULTI MEDIA CONTROLLER	IDRIVE CONTROLLER		IDRIVE CONTROLLER	STAND ALONE BOX
21	ELECTRIC RIDE HEIGHT CONTROL	ELECTRIC RIDE HEIGHT CONTROL		ELECTRIC RIDE HEIGHT CONTROL	STAND ALONE BOX
22	REAR VIEW CAMERA	REAR VIEW CAMERA		REAR VIEW CAMERA	STAND ALONE BOX
23	SEAT VENTILATION DRIVER	SEAT VENTILATION DRIVER		SEAT VENTILATION DRIVER	STAND ALONE BOX
24	SEAT VENTILATION PASSENGER	SEAT VENTILATION PASSENGER		SEAT VENTILATION PASSENGER	STAND ALONE BOX
25	ADVANCED CRASH SAFETY MANAGEMENT	ADVANCED CRASH SAFETY MANAGEMENT	CAN B - CAN C	ADVANCED CRASH SAFETY MANAGEMENT	STAND ALONE BOX
26	SEAT OCCUPANCY RECOGNITION	SEAT OCCUPANCY RECOGNITION		SEAT OCCUPANCY RECOGNITION	STAND ALONE BOX
27	XENON LIGHT CONTROL MODULE LEFT	XENON LIGHT CONTROL MODULE LEFT		XENON LIGHT CONTROL	STAND ALONE BOX
28	XENON LIGHT CONTROL MODULE RIGHT	XENON LIGHT CONTROL MODULE RIGHT		XENON LIGHT CONTROL	STAND ALONE BOX

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	GENERIC ECU NAME	OEM ECU NAME	GATEWAY	FUNCTION	MOUNTING TYPE
1	SMART JUNCTION BOX	JUNCTION BOX ELECTRONICS	CAN B - CAN C	CENTRAL GATEWAY AND POWER DISTRIBUTION	STAND ALONE BOX
2	BODY CONTROL UNIT	FOOTWELL MODULE	CAN B - CAN C	CONTROL OF MAJOR BODY FUNCTIONS	STAND ALONE BOX
40	ELECTRONIC TRANSMISSION CONTROL	ELECTRONIC TRANSMISSION CONTROL		TRANSMISSION CONTROL	STAND ALONE BOX
41	DIGITAL MOTOR ELECTRONICS	DIGITAL MOTOR ELECTRONICS		ENGINE MANAGEMENT	STAND ALONE BOX
42	ELECTRIC FUEL PUMP	ELECTRIC FUEL PUMP			STAND ALONE BOX
43	SENSOR, DYNAMIC STABILITY CONTROL	SENSOR, DYNAMIC STABILITY CONTROL		ESP DATA PROVISION	STAND ALONE BOX
44	DYNAMIC STABILITY CONTROL	DYNAMIC STABILITY CONTROL		ESP	STAND ALONE BOX
45	ACTIVE ROLL STABILISATION	ACTIVE ROLL STABILISATION		ACTIVE ROLL STABILISATION	STAND ALONE BOX
46	ACTIVE STEERING	ACTIVE STEERING		ACTIVE STEERING	STAND ALONE BOX
47	TRANSFERCASE CONTROL UNIT	TRANSFERCASE CONTROL UNIT		LONGITUDINAL TORQUE MANAGEMENT	STAND ALONE BOX
48	INTELLIGENT BATTERY SENSOR	INTELLIGENT BATTERY SENSOR		BATTERY POWER LEVEL MONITORING	STAND ALONE BOX
49	ELECTRIC PARKING BRAKE	ELECTRIC PARKING BRAKE		ELECTRIC PARKING BRAKE	STAND ALONE BOX
50	VALVETRONIC SYSTEM	VALVETRONIC SYSTEM		VALVELIFT CONTROL	STAND ALONE BOX
51	E-WATERPUMP	E-WATERPUMP		E-WATERPUMP CONTROL	STAND ALONE BOX
52	Oil SENSOR	OLT SENSOR		OIL LEVEL, TEMPERATURE AND QUALITY CONTROL	STAND ALONE BOX
53	ELECTRONIC GEAR SELECTOR	ELECTRONIC GEAR SELECTOR		ELECTRONIC GEAR SELECTOR	STAND ALONE BOX
54	GENERATOR	GENERATOR		GENERATOR	STAND ALONE BOX
55	VEHICLE DYNAMICS MANAGEMENT	VEHICLE DYNAMICS MANAGEMENT		VEHICLE DYNAMICS MANAGEMENT	STAND ALONE BOX
56	ELECTRONICS DAMPER CONTROL SATELLITE FRONT LEFT	ELECTRONICS DAMPER CONTROL SATELLITE FRONT LEFT		ELECTRONICS DAMPER CONTROL SATELLITE FRONT LEFT	STAND ALONE BOX
57	ELECTRONICS DAMPER CONTROL SATELLITE FRONT RIGHT	ELECTRONICS DAMPER CONTROL SATELLITE FRONT RIGHT		ELECTRONICS DAMPER CONTROL SATELLITE FRONT RIGHT	STAND ALONE BOX
58	ELECTRONICS DAMPER CONTROL SATELLITE REAR LEFT	ELECTRONICS DAMPER CONTROL SATELLITE REAR LEFT		ELECTRONICS DAMPER CONTROL SATELLITE REAR LEFT	STAND ALONE BOX
59	ELECTRONICS DAMPER CONTROL SATELLITE REAR RIGHT	ELECTRONICS DAMPER CONTROL SATELLITE REAR RIGHT		ELECTRONICS DAMPER CONTROL SATELLITE REAR RIGHT	STAND ALONE BOX

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INFOTAINMENT RELATED CONTROL UNITS

	GENERIC ECU NAME	OEM ECU NAME	GATEWAY	FUNCTION	MOUNTING TYPE
3	CAR COMMUNICATION COMPUTER	CAR COMMUNICATION COMPUTER	CAN B - MOST	MANAGING OF AUDIO FUNCTIONS	STAND ALONE BOX
70	TOP HIFI SYSTEM	TOP HIFI SYSTEM		AMPLIFYING THE SOUND SIGNAL	STAND ALONE BOX
71	HEAD UP DISPLAY	HEAD UP DISPLAY	CAN B - MOST	HEAD UP DISPLAY	STAND ALONE BOX
72	CD CHANGER	CD CHANGER		CD CHANGER	STAND ALONE BOX
73	SATELLITE RADIO	SDARS		SATELLITE RADIO	STAND ALONE BOX
74	TELEPHONE / TELEMATICS CONTROL UNIT	TELEPHONE / TELEMATICS CONTROL UNIT		MOBILE PHONE	STAND ALONE BOX
75	DAB TUNER	DAB TUNER		DIGITAL RADION TUNER	STAND ALONE BOX
76	REAR SEAT ENTERTAINMENT	REAR SEAT ENTERTAINMENT		REAR SEAT ENTERTAINMENT	STAND ALONE BOX
77	FOND DISPLAY	FOND DISPLAY		FOND DISPLAY	STAND ALONE BOX
78	HIFI SYSTEM	HIFI SYSTEM		AMPLIFYING THE SOUND SIGNAL	STAND ALONE BOX

ECU Location Diagram Database

- **A detailed by model analysis of the approach to in-vehicle networking is offered by IHS Global Insight as a 2D ECU Location Diagram Database covering 85 models of European vehicle manufacturers.**
- **A matching database covering the major North American vehicle manufacturers is being developed and should be available during the latter half of 2009.**
- **Additionally, IHS Global Insight maintains detailed model level analysis of the market for selected electronic control units covering such vehicle domains as Body/Comfort, Powertrain, Chassis, Safety and Infotainment.**

Further Information

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