

On-Board Diagnostic (OBD)

Diagnostic Link Connector (DLC) Charts

Introduction

The Diagnostic Link Connector (DLC) Chart was developed from vehicle manufacturer responses to EPA's request for information under the Clean Air Act (CAA) Section 208. Although we included a suggested format for the information response, not all of the vehicle manufacturers followed this format and, therefore, some information is based on best estimates. If you find errors in this document, please notify the contact listed on the EPA website.

How to Decipher the Charts

Manufacturer	Model Year Connector Location and Access (0=open, 1= covered)					Comments/ Description
XYZ Inc.	1996	1997	1998	1999	2000	
Model X	7-0	7-0	-	-	7-0	passenger side, center console
Model Y	*6/7-1	*6/7-1	*6/7-1	*6/7-1	7-1	center console (vertical), *on vehicle centerline (96-99)
Model Z	*6/7-1	*6/7-1	*6/7-1	*6/7-1	7-1	center console (vertical), *on vehicle centerline (96-99)

Manufacturer and Individual Model Names

Individual columns for each model year 1996 - 2000

Comments column provides more detail about numbered locations

Shaded cells indicate difficult to locate or access connectors (refer to alternate sources for more information on hard to locate/access connectors)

Two digit code for each model and each model year:
 - 1st digit: location in vehicle (see DLC diagram)
 - 2nd digit: access (i.e., is it covered?);
0 = not covered/open, 1 = covered
 *(Refer to the DLC Diagram for clarification on "covered")

If multiple locations are used for a particular model, the asterisked "*" location corresponds to the details in the comments column.

Multiple Brand Names

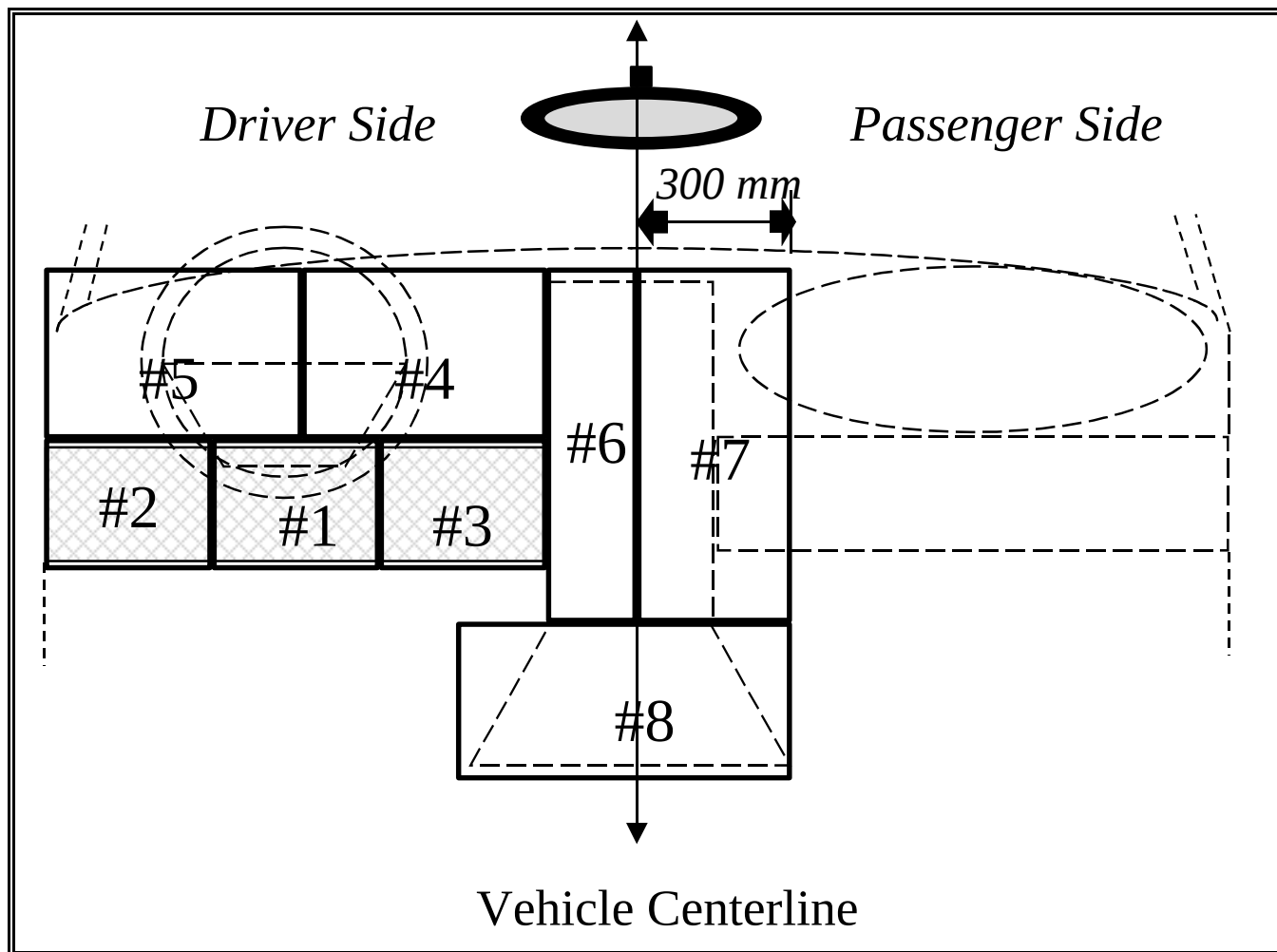
Some manufacturers produce/market multiple brand names of similar vehicles. In this case, all of the brands have been consolidated and listed together rather than individually. They are:

Chrysler: Chrysler, Dodge, Eagle, Plymouth, Jeep

Ford: Ford, Lincoln and Mercury:

General Motors: Buick, Cadillac, Chevy, GMC, Geo, Oldsmobile, Pontiac, Saturn.

Diagnostic Link Connector (DLC) Diagram



Explanation of Diagram Numbered Locations

Location #	Description
1	Driver's side, underneath dashboard, in the area under the steering column, +/- 150 mm (i.e., +/- 6 inches on either side of the steering column)
2	Driver's side, underneath dashboard, between the driver-side door and steering column area
3	Driver's side, underneath dashboard, between the steering column area and the center console (also includes connectors on the driver side but connected to the center console)
4	Driver's side, dashboard instrument/gauge area, between the steering column and center console
5	Driver's side, dashboard instrument/gauge area, between the driver-side door and steering column
6	Center console, vertical surface (i.e., near radio and climate controls), left of vehicle centerline
6/7	Center console, vertical surface (i.e., near radio and climate controls), on vehicle centerline
7	Center console, vertical surface right of vehicle centerline or on passenger side of center console
8	Center console, horizontal surface (i.e., armrest, handbrake area), in front passenger area
9	Any location other than locations # 1-8 (i.e., rear passenger area, passenger side glove box, top of dashboard near windshield)

***Note:**

- Locations #1-3 represent preferable locations, Locations #4-8 represent allowable locations under SAE J1962
- Connectors in location # 6, #6/7, and #7 may be covered by ashtrays, covers, cup holders, coin holders, etc.

Diagnostic Link Connector (DLC) Diagram

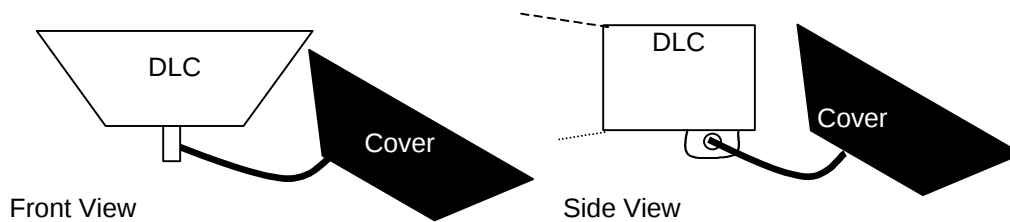
Cover Types

Some manufacturers use covers to protect the integrity of the connector pins and/or to prevent impact with vehicle passengers in an accident. The following diagrams provide an example of some of the covers that manufacturers have used. This does not include ashtrays, coin holders, cup holders, the dashboard itself, or other similar items used to conceal the connector.

Protective Cover

- small, soft-plastic cover used to enclose DLC pins; may or may not have embossed "OBD" or "OBD II"

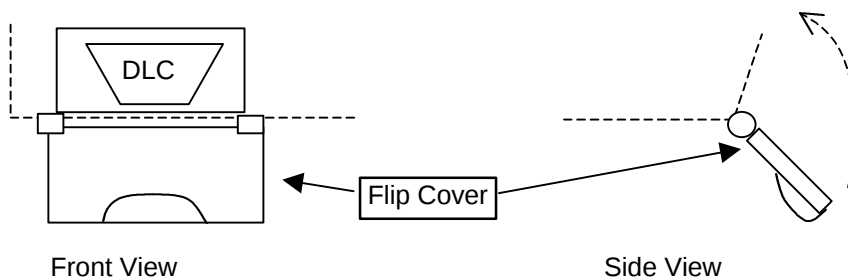
ex.



Flip Cover

- small, hinged hard-plastic cover; typically has an indentation or tab to help 'flip' it open

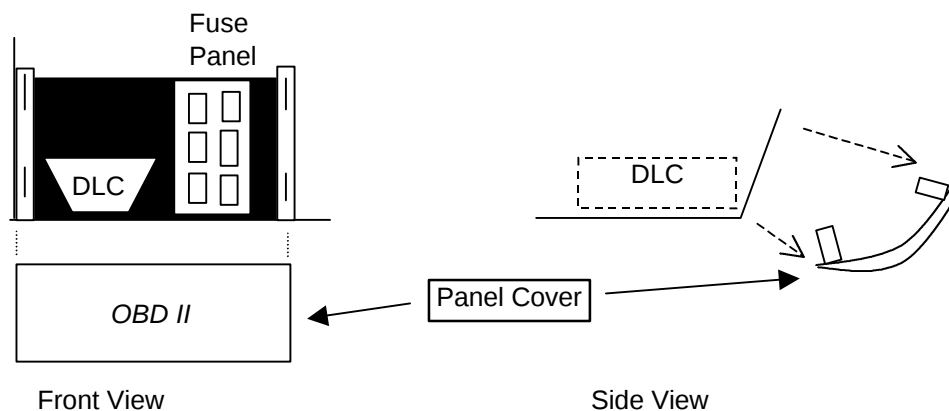
ex.



Fuse Panel or Panel Cover

- Large, hard-plastic cover that is color keyed to the dashboard; may or may not have embossed "OBD" or OBD II, or a label

ex.



OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Year Connector Location and Access (0=open, 1= covered)	Comments/ Description
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Acura	1996	1997	1998	1999	2000	
Integra	7-0	7-0	7-0	7-0	7-0	passenger side, center console
2.2 CL	*6/7-1	*6/7-1	*6/7-1	*6/7-1	7-1	center console (vertical), *on vehicle centerline (96-99)
2.3 CL	*6/7-1	*6/7-1	*6/7-1	*6/7-1	7-1	center console (vertical), *on vehicle centerline (96-99)
3.0 CL	*6/7-1	*6/7-1	*6/7-1	*6/7-1	7-1	center console (vertical), *on vehicle centerline (96-99)
3.5 RL	8-1	8-1	8-1	8-1	8-1	center console (horizontal)
2.5 TL	8-1	8-1	8-1	-	-	center console (horizontal)
3.2 TL	8-1	8-1	8-1	7-1	7-1	center console, behind ashtray (horizontal: 96-98, vertical: 99-00)
NSX	7-0	7-0	7-0	7-0	7-0	passenger side (footwell)

Audi	1996	1997	1998	1999	2000	
A4/A4 Avant	*9-1	*9-1	2-0	2-0	2-0	*center console (horizontal), next to ashtray in rear seat area
A6/A6 Avant	*9-1	*9-1	2-0	2-0	2-0	*center console (horizontal), next to ashtray in rear seat area
A6 Wagon	-	-	*9-1	2-0	2-0	*center console (horizontal), next to ashtray in rear seat area
A8	-	2-0	2-0	2-0	2-0	
Cabriolet	*9-1	*9-1	2-0	-	-	*center console (horizontal), next to ashtray in rear seat area
S4	-	-	-	-	2-0	
TT	-	-	-	-	2-0	

Bentley	1996	1997	1998	1999	2000	
Arnage		-	-	2-0	-	
Azure	*9-1	-	-	2-0	-	*in passenger side glove box, protective cover
Brooklands	-	9-1	-	-	-	in passenger side glove box, protective cover
Brooklands (LWB)	*9-1	-	-	-	-	*in passenger side glove box, protective cover
Brooklands R	-	-	9-1	-	-	in passenger side glove box, protective cover
Brooklands R Limousine	-	-	*9-1	2-0	-	*in passenger side glove box, protective cover
Continental R Continental SC	-	-	*9-1	2-0	-	*in passenger side glove box, protective cover
Continental T	-	*9-1	-	2-0	-	*in passenger side glove box, protective cover
Limousine	9-1	-	-	-	-	in passenger side glove box, protective cover
Turbo R Turbo RL	9-1	-	-	-	-	in passenger side glove box, protective cover
Turbo RT	-	-	9-1	-	-	in passenger side glove box, protective cover
Turbo RT (LWB)	*9-1	-	-	2-0	-	*in passenger side glove box, protective cover

OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Years Connector Location and Access (0=open, 1= covered)	Comments/ Description
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BMW	1996	1997	1998	1999	2000	
3-series	2-1	2-1	2-1	2-1	2-1	dual covers: panel cover w/ screw and protective cover labeled "OBD II"
5-series	2-1	2-1	2-1	2-1	2-1	dual covers: panel cover w/ screw and protective cover labeled "OBD II"
7-series	6-1	6-1	6-1	6-1	6-1	driver side, center console protective cover labeled "OBD II"
8-series	2-1	2-1	-	-	-	dual covers: panel cover w/ screw and protective cover labeled "OBD II"
X5	-	-	-	-	2-1	cover labeled "OBD II"
Z3/M-Roadster	7-1	7-1	7-1	7-1	7-1	passenger side, center console, protective cover labeled "OBD II"

Daewoo	1996	1997	1998	1999	2000	
Lanos	-	-	6-0	6-0	-	
Leganza	-	-	2-1	2-1	-	behind fuse panel cover
Nubira	-	-	3-0	3-0	-	

Chrysler/Dodge/Plymouth	1996	1997	1998	1999	2000	
Chrysler Cirrus	2-0	2-0	2-0	2-0	2-0	
Chrysler Concorde	3-0	3-0	1-0	1-0	1-0	
Chrysler LHS	3-0	3-0	1-0	1-0	1-0	
Chrysler Sebring	1-0	1-0	1-0	1-0	1-0	
Chrysler Sebring Convertible	2-0	2-0	2-0	2-0	2-0	
Chrysler Town & Country	2-0	2-0	2-0	2-0	2-0	
Dodge Avenger	1-0	1-0	1-0	1-0	1-0	
Dodge Caravan	2-0	2-0	2-0	2-0	2-0	
Dodge Dakota	2-0	2-0	2-0	2-0	2-0	
Dodge Durango	-	-	2-0	2-0	2-0	
Dodge Intrepid	3-0	3-0	1-0	1-0	1-0	
Dodge Neon	2-0	2-0	2-0	2-0	2-0	
Dodge Ram Pick-Up	3-0	3-0	3-0	3-0	3-0	
Dodge Ram Van	1-0	1-0	1-0	1-0	1-0	
Dodge Stealth	3-0	-	-	-	-	
Dodge Stratus	2-0	2-0	2-0	2-0	2-0	
Dodge Viper	-	2-0	2-0	2-0	2-0	
Eagle Summit	2-0	-	-	-	-	
Eagle Summit Wagon	2-0	-	-	-	-	
Eagle Talon	1-0	1-0	1-0	1-0	1-0	
Eagle Vision	3-0	3-0	-	-	-	
Jeep Cherokee	1-0	1-0	1-0	1-0	1-0	
Jeep Grand Cherokee	1-0	1-0	1-0	2-0	2-0	
Jeep Wrangler	2-0	2-0	2-0	2-0	2-0	
Plymouth Breeze	2-0	2-0	2-0	2-0	2-0	
Plymouth Neon	2-0	2-0	2-0	2-0	2-0	
Plymouth Prowler	-	1-0	1-0	1-0	1-0	
Plymouth Voyager	2-0	2-0	2-0	2-0	2-0	

OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Years Connector Location and Access (0=open, 1= covered)	Comments/ Description
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Ferrari	1996	1997	1998	1999	2000	all connectors are protected by the bottom of the dashboard
F355 Berlinetta/GTS/Spider	3-0	3-0	3-0	3-0	-	
F355 F1 Berlinetta/GTS/Spider	-	-	3-0	3-0	-	
456 GT/GTA	-	3-0	3-0	-	-	
456 MGT/MGTA	-	-	-	3-0	3-0	
550 Maranello	-	1-0	1-0	1-0	1-0	
F131	-	-	-	3-0	3-0	

Ford/Lincoln/Mercury	1996	1997	1998	1999	2000	
Ford Aerostar	3-1	3-1	-	-	-	
Ford Aspire	3-0	3-0	-	-	-	
Ford Bronco	7-1					
Ford Contour	2-0	2-0	2-0	2-0	2-0	
Ford Cougar	*7-1	*7-1	-	2-0	2-0	
Ford Crown Victoria	3-0	3-0	3-0	3-0	3-0	
Ford Econoline	3-1	3-1	3-1	3-1	3-1	
Ford Escort	2-0	2-0	2-0	2-0	*2-1	
Ford Excursion	-	-	-	-	3-1	
Ford Expedition	-	3-1	3-1	3-1	3-1	
Ford Explorer	2-1	2-1	2-1	2-1	2-1	
Ford F-Series Pick-Up	7-1	3-1	3-1	3-1	3-1	
Ford Focus	-	-	-	-	2-1	
Ford Mustang	3-0	3-0	3-0	3-0	3-0	
Ford Probe	3-0	3-0	-	-	-	
Ford Ranger	2-1	2-1	2-1	2-1	2-1	
Ford Taurus	2-0	2-0	2-0	2-0	2-0	
Ford Thunderbird	7-1	7-1	-	-	-	
Ford Windstar	*3-1	*3-1	*3-1	*3-1	3-0	
Lincoln Continental	3-0	3-0	3-0	3-0	3-0	
Lincoln LS	-	-	-	-	3-0	
Lincoln Mark VIII	2-0	2-0	2-0	-	-	
Lincoln Navigator	-	-	3-1	3-1	3-1	
Lincoln Town Car	3-0	3-0	3-0	3-0	3-0	
Mercury Grand Marquis	3-0	3-0	3-0	3-0	3-0	
Mercury Mountaineer	2-1	2-1	2-1	2-1	2-1	
Mercury Mystique	2-0	2-0	2-0	2-0	2-0	
Mercury Sable	2-0	2-0	2-0	2-0	2-0	
Mercury Tracer	2-0	2-0	2-0	2-0	*2-1	
Mercury Villager	2-0	2-0	2-0	2-0	2-0	

OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Years					Comments/ Description
	Connector Location and Access (0=open, 1= covered)					
General Motors-Cars	1996	1997	1998	1999	2000	
Buick Century	1-0	1-0	1-0	1-0	1-0	
Buick LeSabre	1-0	1-0	1-0	1-0	1-0	
Buick Park Avenue	2-0	2-0	2-0	2-0	2-0	
Buick Regal	1-0	1-0	1-0	1-0	1-0	
Buick Riviera	2-0	2-0	2-0	2-0	-	
Buick Roadmaster	3-0	-	-	-	-	
Buick Skylark	2-0	2-0	2-0	-	-	
Cadillac Concours	2-0	2-0	2-0	2-0	2-0	
Cadillac Deville	2-0	2-0	2-0	2-0	2-0	
Cadillac El Dorado	2-0	2-0	-	-	-	
Cadillac Fleetwood	3-0	-	-	-	-	
Cadillac Seville	2-0	2-0	2-0	2-0	2-0	
Chevrolet Beretta	2-0	-	-	-	-	
Chevrolet Camaro	3-0	1-0	1-0	1-0	1-0	
Chevrolet Caprice	3-0	-	-	-	-	
Chevrolet Cavalier	1-0	1-0	1-0	1-0	1-0	
Chevrolet Corsica	2-0	-	-	-	-	
Chevrolet Corvette	1-0	1-0	1-0	1-0	1-0	
Chevrolet Impala	-	-	-	-	1-0	
Chevrolet Impala SS	3-0	-	-	-	-	
Chevrolet Lumina	1-0	1-0	1-0	1-0	1-0	
Chevrolet Malibu	2-0	2-0	2-0	2-0	2-0	
Chevrolet Monte Carlo	1-0	1-0	1-0	1-0	1-0	
Geo Metro	1-0	1-0	1-0	1-0	1-0	
Geo Prizm	2-0	2-0	2-0	2-0	-	
Oldsmobile Achieva	2-0	2-0	2-0	-	-	
Oldsmobile Aurora	2-0	2-0	2-0	2-0	2-0	
Oldsmobile Ciera	1-0	-	-	-	-	
Oldsmobile Cutlass	2-0	2-0	2-0	2-0	2-0	
Oldsmobile Cutlass Supreme	1-0	1-0	-	-	-	
Oldsmobile Eighty Eight	1-0	1-0	1-0	1-0	-	
Oldsmobile Intrigue	-	-	1-0	1-0	1-0	
Oldsmobile LSS	1-0	1-0	1-0	1-0	-	
Oldsmobile Ninety Eight	2-0	-	-	-	-	
Oldsmobile Regency	2-0	1-0	1-0	-	-	
Pontiac Bonneville	1-0	1-0	1-0	1-0	1-0	
Pontiac Firebird	3-0	1-0	1-0	1-0	1-0	
Pontiac Grand Am	2-0	2-0	2-0	2-0	2-0	
Pontiac Grand Prix	1-0	1-0	1-0	1-0	1-0	
Pontiac Sunfire	1-0	1-0	1-0	1-0	1-0	
Saturn	2-0	2-0	2-0	2-0	2-0	
Saturn L-series (LS/LW)	-	-	-	-	2-0	

OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Years Connector Location and Access (0=open, 1= covered)	Comments/ Description
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OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Years Connector Location and Access (0=open, 1= covered)					Comments/ Description
Hyundai	1996	1997	1998	1999	2000	
Accent	1-0	1-0	1-0	1-0	1-0	
Elantra	2-0	2-0	2-0	2-0	2-0	
Sonata	2-0	2-0	2-0	2-0	2-0	
Tiburon	2-0	2-0	2-0	2-0	2-0	
Infiniti	1996	1997	1998	1999	2000	
All Models	2-0	2-0	2-0	2-0	2-0	
Isuzu	1996	1997	1998	1999	2000	
Amigo	2-0	2-0	2-0	2-0	2-0	
Rodeo	2-0	2-0	2-0	2-0	2-0	
Trooper	2-1	2-1	2-1	2-1	2-1	protective cover
Vehi-Cross	2-1	2-1	2-1	2-1	2-1	protective cover
Jaguar	1996	1997	1998	1999	2000	
S-Type	-	-	-	-	3-0	
XJ8	3-0	3-0	3-0	3-0	3-0	
XK8	-	2-0	2-0	2-0	2-0	
XJS	2-0	-	-	-	-	
Kia	1996	1997	1998	1999	2000	
Sephia	3-0	3-0	3-0	3-0	3-0	
Sportage	3-0	3-0	3-0	3-0	3-0	
Lamborghini	1996	1997	1998	1999	2000	
Diablo DB 132/144	3-0	3-0	3-0	3-0	3-0	
Lexus	1996	1997	1998	1999	2000	
ES 300	*2-1	3-0	3-0	3-0	3-0	*behind fuse panel cover
GS 300	1-0	1-0	3-0	3-0	3-0	
GS 400	-	-	3-0	3-0	3-0	
LX 450	-	2-1	-	-	-	behind fuse panel cover
LX 470	-	-	3-0	3-0	3-0	
LS 400	2-1	2-1	2-1	2-1	2-1	protective cover
RX 300	-	-	-	2-1	2-1	
SC 300/400	2-1	2-1	2-1	2-1	2-1	
Lotus	1996	1997	1998	1999	2000	
Espirit	-	9-0	9-0	9-0	9-0	in passenger footwell
Mazda	1996	1997	1998	1999	2000	
626	3-0	3-0	2-0	2-0	2-0	
MX3	7-0	-	-	-	-	
MX5/Miata	3-0	3-0	-	2-0	2-0	
Millenia	3-0	3-0	3-0	3-0	3-0	
MPV	2-0	2-0	-	2-0	2-0	
MX6	3-0	3-0	-	-	-	
Protégé	2-0	2-0	2-0	2-0	2-0	

OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Years Connector Location and Access (0=open, 1= covered)	Comments/ Description
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Mercedes-Benz	1996	1997	1998	1999	2000	
S430	2-1	2-1	2-1	2-1	2-1	"flip" panel cover
S500	2-1	2-1	2-1	2-1	2-1	"flip" panel cover
all other models	1-1	1-1	1-1	1-1	1-1	"flip" panel cover

Mitsubishi	1996	1997	1998	1999	2000	
3000 GT	3-0	3-0	3-0	3-0	-	
3000 GT Spyder	3-0	3-0	3-0	-	-	
Diamante	2-0	3-0	3-0	3-0	3-0	
Eclipse	1-0	1-0	1-0	1-0	3-0	
Eclipse Convertible	1-0	1-0	1-0	1-0	-	
Expo	2-1	-	-	-	-	behind fuse panel
Galant	3-0	3-0	3-0	3-0	3-0	
Mirage	2-0	3-0	3-0	3-0	3-0	
Montero	2-0	2-0	2-0	2-0	2-0	
Montero Sport	-	1-0	1-0	1-0	1-0	
Truck 2WD	2-0	-	-	-	-	

Nissan	1996	1997	1998	1999	2000	
All Models	2-0	2-0	2-0	2-0	2-0	

Porsche	1996	1997	1998	1999	2000	
All Models	3-1	-	-	2-0	2-0	
911	-	6-1	6-1	-	-	cover labeled "OBD"
Boxster	-	2-0	2-0	-	-	

Rolls Royce	1996	1997	1998	1999	2000	
Park Ward	9-1	-	9-1	-	-	in glove box, behind fuse panel, clip-on cover labeled OBD
Park Ward Limousine	*9-1	-	-	-	2-0	*in glove box, behind fuse panel, clip-on cover labeled OBD
Silver Dawn		*9-1				in glove box, behind fuse panel, clip-on cover labeled OBD
Silver Seraph	-	-	-	-	2-0	
Silver Spur	*9-1	*9-1	*9-1	2-0	-	*in glove box, behind fuse panel, clip-on cover labeled OBD
Silver Spur Limousine	9-1	-	-	-	-	in glove box, behind fuse panel, clip-on cover labeled OBD

Rover	1996	1997	1998	1999	2000	
Defender	-	6/7-1	-	-	-	center console (vertical), behind ashtray, on vehicle centerline
Discovery	7-1	7-1	7-1	7-1	-	passenger side
Discovery Series II	-	-	-	7-1	7-1	passenger side
Range Rover	7-1	7-1	7-1	7-1		passenger side

Saab	1996	1997	1998	1999	2000	
900	1-1	1-1	1-1	-	-	protective cover
9000	1-1	1-1	1-1	-	-	protective cover
9-3	-	-	-	1-1	1-1	protective cover
9-5	-	-	-	3-1	3-1	protective cover

OBD Connector Locations for Model Year 1996 - 2000 Vehicles

Manufacturer	Model Years Connector Location and Access (0=open, 1= covered)						Comments/ Description
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Subaru	1996	1997	1998	1999	2000	
Forester	-	-	1-1	1-1	1-1	protective cover
Impreza	2-0	2-0	1-1	1-1	1-1	protective cover
Legacy	2-1	2-1	2-1	2-1	2-1	
SVX	1-0	1-0	-	-	-	

Suzuki	1996	1997	1998	1999	2000	
All models	1-0	1-0	1-0	1-0	1-0	

Toyota	1996	1997	1998	1999	2000	
4Runner (2wd/4wd)	3-0	3-0	3-0	3-0	3-0	
Avalon	*2-1	*2-1	*2-1	*2-1	1-0	*behind fuse panel cover
Camry	*2-1	3-0	3-0	3-0	3-0	*behind coin box/tray
Camry Solara	-	-	-	1-0	1-0	
Celica	3-1	3-1	3-1	3-1	2-1	
Corolla	2-0	1-0	1-0	1-0	2-0	
Echo	-	-	-	-	2-1	behind fuse panel cover
Land Cruiser	*2-1	*2-1	3-0	3-0	3-0	*behind fuse panel cover
Paseo	2-1	2-1	2-1	2-1	-	behind fuse panel cover
Previa (2wd/4wd)	9-1	9-1	-	-	-	top of dashboard, behind fuse panel cover
Prius Hybrid	-	-	-	-	1-0	
RAV4 (2wd/4wd)	3-0	3-0	3-0	3-0	3-0	
Sienna	-	-	3-0	3-0	3-0	
Supra	2-1	2-1	2-1	-	-	
T100 (2wd/4wd)	3-0	3-0	3-0	-	-	
Tacoma (2wd/4wd)	3-0	3-0	3-0	3-0	3-0	
Tercel	2-1	2-1	2-1	2-1	-	behind fuse panel cover
Tundra (2wd/4wd)	-	-	-	-	3-0	

Volvo	1996	1997	1998	1999	2000	
850	8-1	8-1	-	-	-	center console (horizontal) under coin tray labeled "OBD II"
960	1-1	1-1	-	-	-	protective cover
S40/V40	-	-	1-1	1-1	1-1	protective cover
C70/S70/V70	-	-	8-1	8-1	8-1	center console (horizontal) storage bin, cover labeled "OBD II"
S80	-	-	1-1	1-1	1-1	protective cover

Volkswagen	1996	1997	1998	1999	2000	
Cabrio	*9-1	*9-1	*9-1	2-0	2-0	*center console (vertical), sliding cover
Eurovan	*4-1	*4-1	*4-1	**4-0	2-0	*on dashboard, plastic cover w/ engine symbol **For 99, no cover was used
Golf	*9-1	*9-1	*9-1	*9-1	2-0	*center console (vertical), sliding cover
Jetta	*9-1	*9-1	*9-1	*9-1	2-0	*center console (vertical), sliding cover
New Beetle	-	-	2-0	2-0	2-0	
Passat	*4-1	*4-1	2-0	2-0	2-0	*on dashboard, plastic cover w/ engine symbol