

# CarChip® Vehicle Conflicts and Exclusions

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8221  
8225  
8241  
8245

CarChip has been carefully designed and tested to comply with OBDII protocols J1850-41.6, J1850-10.4, ISO9141, KWP2000 (ISO14320), and CAN (ISO 11898), which are used on most cars and light trucks sold in the USA, model-year 1996 or later. However, some vehicle models are not in full compliance with these protocols. In addition, the computer control systems on a given vehicle may be malfunctioning or out of spec, as may be the sensors used by these systems.

Before installing CarChip, be sure to review the list of known exclusions, conflicts, and anomalies below. Unless specified otherwise, the list applies to all versions of CarChip, whether they are downloaded via serial port or USB.

This list is current to the best of our knowledge as of the time of publication. However, given the thousands of vehicle models produced since 1996, no list can be completely comprehensive. For the most up to date list, visit our website at [www.carchip.com](http://www.carchip.com), where you'll also find the latest software and firmware downloads. For more information on OBDII issues and anomalies in general, we recommend The Equipment and Tool Institute's website at [www.ertools.org](http://www.ertools.org).

While our testing and the experience of thousands of CarChip users have shown the unit to be safe and reliable, there is an inherent risk in adding any aftermarket product that may potentially affect the operation or drivability of your vehicle. Should you be concerned about the operation of your vehicle at any time while using CarChip, you should pull over off the roadway immediately or as soon as it is safe to do so. Remove CarChip from the OBDII port and consult a licensed mechanic or automobile service center.

Report any issues or concerns to our Technical Support Department by phone, (510) 732 7814, or via e-mail at [support@davisnet.com](mailto:support@davisnet.com). We are open Monday through Friday, 7:00 a.m. to 5:30 p.m. Pacific Time. We maintain an active database of the feedback we receive, and your comments can help us continuously improve the product.

## Non-Support Vehicles

### Ford 7.2L CAT 3126 Diesel Engines

CarChip is not supported in these vehicles.

### Hybrid Gas/Electric Vehicles

These vehicles are supported in CarChip software version 2.1.1 or later and CarChip Firmware version 2.17 or later.

### Tiptronic® Transmissions

CarChip may cause vehicle hesitation or stuttering when used in 2003 or earlier model-year vehicles with Tiptronic transmissions. Developed by Audi and included on many of their vehicles, a Tiptronic transmission is one in which the driver may switch from a manual transmission to an automatic transmission while driving. Please check your vehicle's owner's manual to see if your vehicle has a Tiptronic transmission. We have not resolved this issue, and we recommend that you not use CarChip in vehicles with Tiptronic transmissions.

## Incomplete Data Collection

Some drivers of 1997-1998 Fords and Mazdas have reported that the trip time and selected engine parameters are recorded by CarChip, but vehicle speed is not.

### Isolated or Intermittent Issues

Some drivers have reported occasional incidences of the following. If these or any other issues occur while you are driving, please remove the CarChip immediately or as soon as it is safe to do so, and contact our Technical Support Department.

- **Chevrolet, Dodge, GMC, Pontiac, Toyota Highlander, or Toyota Celica:** Firmware versions of CarChip earlier than 2.17 may cause some or all of the dashboard lights to flash occasionally in some models. Use CarChip firmware version 2.17 or later.
- **1996 Mercedes Benz "C" Class:** May cause the "Check Engine" light to turn on when the CarChip is inserted
- **2002-2004 Chrysler and Dodge:** May cause a momentary loss of engine power in some models.
- **2002 Mitsubishi Lancer & Evolution:** May cause vehicle instrument gauges to "freeze up."

## Using CarChip with Other Aftermarket Products

CarChip may not operate properly or may cause unexpected vehicle behavior if it is used in conjunction with other aftermarket products that also use the OBDII port or communicate with the vehicle's on-board computers. Examples of these include remote starters, keyless entry systems, and some alarm systems. If you are using any of these aftermarket products, we recommend that you remove them from your vehicle before using CarChip.

## Vehicles Manufactured for Sale Outside the US & Canada

While vehicles manufactured for sale outside the US and Canada may appear to have an OBDII port, they may not use the same protocols, and thus may not be compatible with CarChip. For vehicles manufactured for sale in Europe, some 1996-1999 vehicles may be compatible; most 2000 and later vehicles should be compatible. Since requirements vary by country, vehicles manufactured for sale elsewhere in the world may or may not be compatible.

### Additional Exclusions for the Serial-Port Version of CarChip

Our original CarChip models (# 8210, 8220, and 8240), which are downloaded using a serial-port cable, are not compatible with the new CAN (ISO 11898) protocol, which is being phased on newer vehicles. See the chart on the pages to follow. Our current CarChip models (# 8211, 8221, 8225, 8241, and 8245), which are down-loaded via a USB cable, are compatible with the CAN protocol. If you have a vehicle that uses the CAN protocol, you cannot use a serial-port version of CarChip; you must use a USB-version. Information for 2006 vehicles is not yet available; check our website for updates over the coming year.

## Additional Exclusions for the Serial-Port Version of CarChip

Our original CarChip models (# 8210, 8220, and 8240), which are downloaded using a serial-port cable, are not compatible with the new CAN (ISO 11898) protocol, which is being phased on newer vehicles. See the chart on the pages to follow. Our current CarChip models (# 8211, 8221, 8225, 8241, and 8245), which are down-loaded via a USB cable, are compatible with the CAN protocol. If you have a vehicle that uses the CAN protocol, you cannot use a serial-port version of CarChip; you must use a USB-version. Check our website for updates on exclusions over the coming year.

## Vehicles Known to Use CAN Protocol

Vehicle Make and Model		Model Year	Engine & Transmission (TBD = To Be Determined)
AUDI	A4 Sedan & Wagon	2005	2.0L 4-Cylinder Automatic & Manual
		2005	3.2L V6 Automatic & Manual
	A6 Sedan	2005	3.2L V6 Automatic & Manual
		2005	4.2L V8 Automatic & Manual
BUICK	Lacrosse Sedan	2005	3.6L V6 Automatic
	Rainier SUV	2005	5.3L V8 Automatic
	Rendezvous SUV	2004	3.6L V6 Automatic
		2005	3.6L V6 Automatic
CADILLAC	CTS Sedan	2004	3.6L V6 Automatic
		2005	2.8L V6 Automatic & Manual
		2005	3.6L V8 Automatic & Manual
	SRX SUV	2004	3.6L V6 Automatic
		2004	4.6L V8 Automatic
		2005	3.6L V6 Automatic
		2005	4.6L V8 Automatic
STS Sedan	2005	3.6L V6 Automatic	

Vehicle Make and Model		Model Year	Engine & Transmission (TBD = To Be Determined)
CADILLAC		2005	4.6L V8 Automatic
	XLR Sedan	2004	4.6L V8 Automatic
		2005	4.6L V8 Automatic
CHEVROLET	Cobalt Sedan	2005	2.4L 4-Cylinder Automatic
		2005	2.2L 4-Cylinder Automatic & Manual
	Corvette Sedan	2005	6.0L V8 Automatic & Manual
	Equinox SUV	2005	3.4L V6 Automatic
	Malibu Sedan	2005	3.5L V6 Automatic
	SSR Pickup	2005	TBD Automatic & Manual
	Trailblazer EXT SUV	2005	5.3L V8 Automatic
CHRYSLER	300C Sedan	2005	2.7L V6 Automatic
		2005	3.5L V6 Automatic
		2005	5.7L V8 Automatic
DODGE	Dakota SUV	2005	3.7L V6 Automatic & Manual
		2005	4.7L V8 Automatic & Manual
		2005	4.7L HO V8 Automatic & Manual
	Durango SUV	2004	3.7L 6-Cylinder Automatic
		2004	4.7L V8 Automatic
		2004	5.7L V8 Automatic
		2005	3.7L V6 Automatic
	Durango SUV	2005	4.7L V8 Automatic
		2005	5.7L V8 Automatic
		Magnum Station Wagon	2005
2005	3.5L V6 Automatic		
2005	5.7L V8 Automatic		
FORD	Crown Victoria Sedan	2005	4.6L V8 Automatic

Vehicle Make and Model		Model Year	Engine & Transmission (TBD = To Be Determined)
FORD	Crown Victoria Police	2005	4.6L V8 Automatic
	E150 Full-Size Van	2005	4.6L V8 Automatic
		2005	5.4L V8 Automatic
	E250 Full-Size Van	2004	6.0L V8 Diesel Automatic
		2005	4.6L V8 Automatic
		2005	5.4L V8 Automatic
		2005	6.0L V8 Diesel Automatic
		2005	6.8L V10 Automatic
	E350 Full-Size Van	2004	6.0L V8 Diesel Automatic
		2005	5.4L V8 Automatic
		2005	6.0L V8 Diesel Automatic
		2005	6.8L V10 Automatic
	Escape SUV	2005	2.3L 4-Cylinder Automatic & Manual
		2005	3.0L 6-Cylinder Automatic & Manual
	Excursion SUV	2003	6.0L V8 Diesel Automatic
		2004	6.0L V8 Diesel Automatic
		2005	6.8L V10 Automatic
	Expedition SUV	2005	5.4L V8 Automatic
	Explorer SUV	2004	4.0L V6 Gas & FFV Automatic
		2004	4.6L V8 Automatic
		2004	4.0L V6 Automatic
		2005	4.6L V8 Automatic
F150 Pickup	2004	4.6L V8 Automatic	
	2004	5.4L V8 Automatic	
	2005	4.2L V6 Automatic & Manual	
	2005	4.6L V8 Automatic	

Vehicle Make and Model	Model Year	Engine & Transmission (TBD = To Be Determined)	
FORD	2005	5.4L V8 Automatic	
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	F250 Pickup	2003	6.0L V8 Diesel Automatic & Manual
		2004	6.0L V8 Diesel Automatic & Manual
		2005	5.4L V8 Automatic & Manual
		2005	6.0L V8 Diesel Automatic & Manual
		2005	6.8L V10 Automatic & Manual
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	F350 Pickup	2003	6.0L V8 Diesel Automatic & Manual
		2004	6.0L V8 Diesel Automatic & Manual
		2005	5.4L V8 Automatic & Manual
		2005	6.0L V8 Diesel Automatic & Manual
		2005	6.8L V10 Automatic & Manual
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	Five Hundred Sedan	2005	3.0L V6 Automatic
		2005	3.0L V6 Continuously Variable
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	Focus Sedan & Wagon	2003	2.3L 4-Cylinder Automatic & Manual
		2004	2.4L 4-Cylinder Automatic & Manual
		2005	2.0L 4-Cylinder Automatic & Manual
2005		2.3L 4-Cylinder Manual	
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Freestyle Wagon	2005	3.0L V6 Continuously Variable	
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Mustang Sedan	2005	4.0L V6 Automatic & Manual	
	2005	4.6L V8 Automatic & Manual	
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Taurus Sedan & Wagon	2004	3.0L V6 Gas & FFV Automatic	
	2005	3.0L V6 Automatic	
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Thunderbird Sedan	2003	3.9L V8 Automatic	
	2004	3.9L V8 Automatic	
	2005	3.9L V8 Automatic	
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GMC	Envoy ESV SUV	2005	5.3L V8 Automatic

Vehicle Make and Model		Model Year	Engine & Transmission (TBD = To Be Determined)
GMC	Envoy XL SUV	2005	5.3L V8 Automatic
ISUZU	Ascender SUV	2005	5.3L V8 Automatic
JEEP	Grand Cherokee SUV	2005	3.7L V6 Automatic
		2005	4.7L V8 Automatic
		2005	5.7L V8 Automatic
LAND ROVER	LR3 SUV	2005	4.0L V6 Automatic
		2005	4.4L V8 Automatic
LEXUS	LS400 Sedan	2005	4.0L V8 Automatic & Manual
	LS430 Sedan	2004	4.3L V8 Automatic
		2005	4.3L V8 Automatic & Manual
	GX470 SUV	2005	4.7L V8 Automatic & Manual
MAZDA	3 Sedan	2004	2.0L 4-Cylinder Automatic & Manual
		2004	2.3L 4-Cylinder Automatic & Manual
		2005	2.0L 4-Cylinder Automatic & Manual
		2005	2.3L 4-Cylinder Automatic & Manual
	6 Sedan	2003	2.3L 4-Cylinder Automatic & Manual
		2003	3.0L 6-Cylinder Automatic & Manual
	6 Sedan & Wagon	2004	2.3L 4-Cylinder Automatic & Manual
		2004	3.0L 6-Cylinder Automatic & Manual
		2005	2.3L 4-Cylinder Automatic & Manual
		2005	3.0L 6-Cylinder Automatic & Manual
	RX8 Sedan	2004	1.3L Rotary Automatic & Manual
		2005	1.3L Rotary Automatic & Manual
	MPV Minivan	2005	3.0L 6-Cylinder Automatic
	Tribute SUV	2005	2.4L 4-Cylinder Automatic & Manual
2005		3.0L 6-Cylinder Automatic	

Vehicle Make and Model		Model Year	Engine & Transmission (TBD = To Be Determined)
MERCEDES	SLK350 Sedan	TBD	3.5L V6 Automatic & Manual
LINCOLN	LS Sedan	2003	3.0L V6 Automatic
		2003	3.9L V8 Automatic
		2004	3.0L V6 Automatic
		2004	3.9L V8 Automatic
	Navigator SUV	2005	5.4L V8 Automatic
	Town Car Sedan	2005	4.6L V8 Automatic
	Town Car Sedan	2005	3.0L V6 Automatic
	LS Sedan	2005	3.9L V8 Automatic
MERCURY	Grand Marquis Sedan	2005	4.6L V8 Automatic
	Mariner SUV	2005	2.3L 4-Cylinder Automatic & Manual
		2005	3.0L V6 Automatic & Manual
	Montego Sedan	2005	3.0L V6 Automatic
		2005	3.0L V6 Continuously Variable
	Sable Sedan & Wagon	2004	3.0L V6 Automatic
		2005	3.0L V6 Automatic
PONTIAC	G6 Sedan	2005	3.5L V6 Automatic
	Grand Prix Sedan	2005	TBD Automatic
	GTO Sedan	2005	TBD Automatic & Manual
SAAB	9-3 Sedan	2003	2.0L 4-Cylinder Automatic & Manual
		2004	2.0L 4-Cylinder Automatic & Manual
		2005	2.0L 4-Cylinder Automatic & Manual
	9-7X SUV	2005	5.3L V8 Automatic
SATURN	Ion Sedan	2003	2.2L 4-Cylinder Automatic & Manual
	Ion Sedan	2004	2.2L 4-Cylinder Automatic & Manual
		2005	2.2L 4-Cylinder Automatic & Manual

Vehicle Make and Model		Model Year	Engine & Transmission (TBD = To Be Determined)
TOYOTA	Avalon Sedan	2005	3.0I V6 Automatic & Manual
	Tacoma 2-Wheel Drive	2005	2.4L 4-Cylinder Automatic & Manual
		2005	3.4L 6-Cylinder Automatic & Manual
	Tacoma 4-Wheel Drive	2005	2.7L 4-Cylinder Automatic & Manual
		2005	4.0L 6-Cylinder Automatic & Manual
	Sequoia 2 & 4-Wheel Dr.	2005	4.7I V8 Automatic & Manual
	Tundra 2 & 4-Wheel Dr.	2005	4.0I V6 Automatic & Manual
		2005	4.7I V8 Automatic & Manual
	4 Runner SUV	2005	4.0I V6 Automatic & Manual
		2005	4.7I V8 Automatic & Manual
VOLVO	S40 Sedan	2004	2.4L 5-Cylinder Automatic
		2004	2.5L 5-Cylinder Automatic
		2005	2.4L 5-Cylinder Automatic & Manual
		2005	2.5L 5-Cylinder Automatic & Manual
	S60 Sedan	2005	2.4L 5-Cylinder Automatic & Manual
		2005	2.5L 5-Cylinder Automatic
	S80 Sedan	2005	2.5L 5-Cylinder Automatic
		2005	2.9L 6-Cylinder Automatic
	V50 Wagon	2005	2.5L 5-Cylinder Automatic & Manual
		2005	2.4L 5-Cylinder Automatic & Manual
	V70 Wagon	2005	2.4L 5-Cylinder Automatic
		2005	2.5L 5-Cylinder Automatic
	XC90 SUV	2005	2.5L 5-Cylinder Automatic
		2005	2.9L 6-Cylinder Automatic