



# 2000 Calendar Year Emissions Related Recall Report

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Certification and Compliance Division  
Office of Transportation and Air Quality  
U.S. Environmental Protection Agency

### *NOTICE*

*This technical report does not necessarily represent final EPA decisions or positions.  
It is intended to present technical analysis of issues using data that are currently available.*

*The purpose in the release of such reports is to facilitate the exchange of  
technical information and to inform the public of technical developments which  
may form the basis for a final EPA decision, position, or regulatory action.*

### 2000 Calendar Year Emission Related Recalls

Mfr.	Mfr. Recall Number	EPA #	Record Type	Date of Owner Notification	Model Year	Vehicle Class	Engine Family	Emission Problem	Number of Vehicles Recalled by engine family	Total number of vehicles recalled	Sales Area
BMW	99E-A03	1467	VERR	2/8/2000	1995 1996 1997 1998 1999	750iL, 850Ci	SBM5.4V8GAEK TBM5.4V8GFKEK VBM5.4V8GFKEK WBMXV05.4M73 XBMXV05.4LEV	The crankcase ventilation valve's internal membrane/diaphragm, installed in the V12 engines of the affected vehicles, is not sufficiently resistant to condensation and, over time may become functionally impaired, affecting driveability and causing the CHECK ENGINE light to illuminate. The corrective measure consists of installation of two redesigned and improved crankcase ventilation valves.	609 1212 676 1572 397	4,466	50S
BMW	D217	1497	DR VERR	5/22/2000	1997 1998 1999	Land Rover Discovery Series 1	VLR4.658GFFK WLRXT04.6001 XLRXT04.6001	Due to tolerance stack-up condition during the manufacturing process some vehicles will experience filler neck recession causing an inadequate seal with the fuel cap. This creates an evaporative emission leak path. <b>Remedy:</b> Problem will be resolved by introducing an additional plastic ring to the filler neck between the grommet location lip on the neck and the existing grommet. Also the filler neck will be repositioned.	10,357 13,221 5,541	29,119	50S
BMW	00E-A01	1485 / 1486	VERR	8/16/2000	1999 2000	323i 323Ci 328i 328Ci Z3 roadster 2.3 Z3 roadster 2.8 Z3 Coupe 2.8 528i 528T	XBMXV02.8LEV YBMXV02.8LEV	Due to a software failure, the oxygen sensor readiness code may not set which prevents the illumination of the Check Engine light in case of an oxygen sensor malfunction. Check Engine Light will illuminate in case of an OBD malfunction. Also, on some vehicles there is a communication conflict between the engine control module and the transmission control module. This may lead to difficulties in or may prevent communication between the engine control module and an off-board scan tool. <b>Remedy:</b> BMW will reprogram the engine control module with latest up-to-date software	57,300 24,700	82,000	50S
DAIMLER/CHRYSLER	851	1459	DR VERR	2/4/2000	2000	Sebring Convertible	YCRXV02.5VB0	The vehicles, certified for sale in U.S. federal regions, were equipped with (VECI) labels intended for vehicles to be sold in Canada. The VECI did not state the vehicle conforms to "U.S. EPA ... regulations." <b>Remedy:</b> DaimlerChrysler will conduct a recall to replace the VECI labels on the affected vehicles.	97	97	FED/NL
DAIMLER/CHRYSLER	•850	1375	DR VERR	2/8/2000	2000	Dakota (AN)	YCRXT0287232 YCRXT04.72B2	Electrical interference from the ignition system may cause communication problems between the Powertrain Control Module (PCM) and a scan tool. <b>Remedy:</b> DaimlerChrysler will install a software patch in the PCM to prevent the module from dropping communication with a scan tool.	303 3,066	3,369	FED/NL/CL
DAIMLER/CHRYSLER	852	1460	DR VERR	2/18/2000	2000	CNG/LPG Dodge Ram Van & Wagon	YCRXT05.26RC	Due to an error in the On-Board Diagnostic (OBD) programming, the Malfunction Indicator Light (MIL) may light due to a false failure (torque converter lockup), or fail to light when a failure (pressure transducer) occurs. <b>Remedy:</b> DaimlerChrysler will conduct a recall of the affected vehicles not already repaired, to reflash the Powertrain Control Module (PCM) with the appropriate OBD calibration.	323	323	CA/CF

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DAIMLER/CHRYSLER	882	1500	DR VERR	2/18/2000	1999 2000	Jeep Grand Cherokee	XCRXT04.02B0 XCRXT0242230 XCRXT04.72B1 XCRXT0287231 YCRXT04.02B0 YCRXT0242230 YCRXT04.72B1 YCRXT0287231	Due to a defect in the software, the On-Board Diagnostic (OBD) system readiness codes will not reset to the "not ready" condition after vehicle maintenance utilizing a generic scan tool. <b>Remedy:</b> DaimlerChrysler will conduct a recall of the affected vehicles to reflash the Powertrain Control Module (PCM) with the appropriate OBD software.	112,681 74,330 57,442 39,849 90,983 57,720 48,303 27,690	508,998	FED/NL/CL/ 50S
DAIMLER/CHRYSLER	8592	1408	VERR	3/15/2000	2000	Dodge Ram Vans Ram Wagon Dakota Ram Pickup Durango Jeep Wrangler Cherokee Grand Cherokee	YCRXA0239H11 YCRXA0360H11 YCRXA0360H32 YCRXA0360J11 YCRXT0150120 YCRXT02.51B0 YCRXT03.92C1 YCRXT03.95B2 YCRXT0360221 YCRXT04.01B0 YCRXT04.02B0 YCRXT04.72B1 YCRXT04.72B2 YCRXT04.75B1 YCRXT05.92B1 YCRXT05.95B2 YCRXT05.96B1 YCRXT05.9AB1	Due to a software error, the On-Board Diagnostic (OBD) catalyst monitor will not run. <b>Remedy:</b> Daimler/Chrysler will conduct a recall of the affected vehicles to install (reflash) a calibration in the Powertrain Control Module (PCM) to enable the catalyst monitor.	1,014 635 4,572 803 918 3 2,475 9 191 5 21 6 6 15 13 13 12 4	10,715	CA CA CA CA 50S FED 50S FED FED FED FED FED FED FED FED
DAIMLER/CHRYSLER	8591	1408	VERR	3/15/2000	2000	Dodge Ram Vans Ram Wagon Dakota Ram Pickup Durango Jeep Wrangler Cherokee Grand Cherokee	YCRXA0239H11 YCRXA0360H11 YCRXA0360H32 YCRXA0360J11 YCRXT0150120 YCRXT02.51B0 YCRXT03.92C1 YCRXT03.95B2 YCRXT0360221 YCRXT04.01B0 YCRXT04.02B0 YCRXT04.72B1 YCRXT04.72B2 YCRXT04.75B1 YCRXT05.92B1 YCRXT05.95B1 YCRXT05.95B2 YCRXT05.96B1 YCRXT05.9AB1	Due to a software error, the On-Board Diagnostic (OBD) catalyst monitor will not run. <b>Remedy:</b> Daimler/Chrysler will conduct a recall of the affected vehicles to install (reflash) a calibration in the Powertrain Control Module (PCM) to enable the catalyst monitor.	122 78 443 448 2,766 6,159 30,052 13,137 205 6,130 66,204 17,970 13,406 23,086 1,007 50,660 20,330 33,828 12,720	298,751	CA CA CA CA 50S FED 50S FED 50S FED FED FED FED FED FED FED FED FED FED
DAIMLER/CHRYSLER	867	1476	DR VERR	4/24/2000	2000	Ram Pickups (BR/BE)	YCRXA0488J11 YCRXA0488K11	Due to an error in the ON-Board Diagnostic (OBD) programming the monitor may not detect a catalyst with a failure that exceeds the permissible emission level. <b>Remedy:</b> DaimlerChrysler will conduct a recall of the affected vehicles to reflash the Powertrain Control Module (PCM) with the appropriate OBD calibration.	440 78	518	CA

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DAIMLER/CHRYSLER	876	1499	DR VERR	6/7/2000	2000	Viper	YCRXV08.0VB1	Due to an error in the calibration of the Powertrain Control Module (PCM), the radiator cooling fan may run continuously after initial vehicle warm-up. <b>Remedy:</b> DaimlerChrysler will conduct a customer satisfaction notification of the affected vehicles to reflash the Powertrain Control Module(PCM) with the appropriate calibration.	132	132	CA
DAIMLER/CHRYSLER	873	1501	DR VERR	6/19/2000	2001	Dodge Ram Pickups	1CRXA0360H38	The vehicles, certified for sale in California, were equipped with incorrect VECI labels. The VECI label which had been intended for the 5.2L California Ram pickup was applied to the 5.9L and vice versa. The label identifies the displacement of the vehicle, as well as the exhaust and evaporative standards to which it was certified. <b>Remedy:</b> DaimlerChrysler will supply a VECI label with each owner letter for the owner to install on the engine.	188	188	CA
DAIMLER/CHRYSLER	963	1579	DR VERR	12/12/2000	2001	Dakota	1CRXT02.51C0	The orifice, which should have been installed in the evaporative purge line between the canister and the purge valve, was omitted. <b>Remedy:</b> Daimler/Chrysler will install a new evaporative purge orifice.	1,900	1,900	50S
FERRARI	29	1549	DR VERR	10/1/2000	1997 1998 1999	550 Maranello	VFE5.5VJGKEK WFEX05.5KFK XFEXV05.5KFK	The OBD system detected in a few cars with low mileage (2-3K miles), a false defect of the oxygen sensors which were incorrectly identified as aged. Accordingly the MIL was turned on and the corresponding fault codes (P0133 and P0139) were stored in the computer memory. The oxygen sensors of the above mentioned cars were actually not aged and are functioning properly. The MIL was turned on without any emission related problems or impacts. <b>Remedy:</b> To avoid false detection of the aged status for oxygen sensors, a recalibration of the monitoring strategy for this function was introduced in the OBD system. The remedy consists of replacing the engine management electronic control unit with an updated version.	103 154 258	515	50S
FORD	00E09	1498	VERR	4/3/2000	2000 2001	Focus, Cougar	YFMXV02.0VF3	Some 2000 and 2001 2.0L Focus and Cougar passenger cars may have Fuel Injector Pressure sensors with cracked or burst membranes due to ice pushing on the membrane. <b>Remedy:</b> Replacement of the Injector Pressure Sensor (IPS) on the affected vehicles.	51,700	51,700	50S
FORD	00E08	1680	VERR	6/22/2000	2000	Lincoln LS	YFMXV03.0VF2 YFMXV03.0VD2 YFMXV03.9VF5	A fuel hose located in the fuel tank between the fuel delivery module and a filter may develop holes or cracks, causing a fuel leak and reduced fuel delivery pressure. <b>Remedy:</b> Ford will replace the fuel transfer hose and clamp assembly to correct the condition.	1,714 3713 11,543	16,970	50S

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FORD	00E10	1546	DR VERR	9/18/2000	2000	Taurus (Flex Fuel)	YFMXV03.0VF9	Some passenger cars may have fuel delivery modules that can fail due to jammed impellers, loose anti-siphon valves, or fusing of the pump turbine to the pump bottom/top. <b>Remedy:</b> The fuel delivery module has been modified to correct the concerns which caused the failures and has been released for production usage. Field campaign 00E10 will be conducted to install the improved fuel delivery module in vehicles in the field.	127,800	127,800	50S
GENERAL MOTORS	ML-GM747	1503	DR VERR	5/15/2000	1997 1998 1999	"J" Series	VGM2.2V8G1EK VGM2.2V8G1EK VGM2.2V8G2EK VGM2.4VJG1EK VGM2.4VJG1EK VGM2.4VJG2EK VGM2.4VJG2EK WGMXV02.2021 WGMXV02.2022 WGMXV02.2023 WGMXV02.4024 WGMXV02.4024 WGMXV02.4025 WGMXV02.4026 XGMXV02.2021 XGMXV02.2022 XGMXV02.2023 XGMXV02.4026 XGMXV02.4027	Spark Plug wire failures have been occurring. Usually the #2 and sometimes the #3 position wire fails. The failures are typically unseated boots or spread terminals caused by the wires having been side loaded or pulled during the vehicle assembly process. <b>Remedy:</b> General Motors will install a protective rubber splash shield around the Powertrain Control Module (PCM).	127,121 3,303 25,289 29,014 761 3,436 106,045 2,976 23,801 24,187 582 4,899 39,388 2,319 22,910 8,234 3,875	428,140	FED CA CA FED CA CA FED CA CA CA FED CA CA FED CA
GENERAL MOTORS	ML-GM700 99083	1445	DR VERR	10/9/2000	1995 1996 1997	B -Platform B -Platform F,B and D -Platforms F -Platform F,B and D -Platforms	VGM5.7V8G1EK VGM5.7V8GFKEK TGM5.7V8GFKEK S1G5.7V8GAHA S1G5.7V8G1EA	Corrosion of the solenoid internal to the AIR pump may cause failure of the AIR system. When corrosion causes the solenoid to fail, the AIR pump air is not allowed to flow into the engine exhaust. <b>Remedy:</b> A new AIR pump assembly kit that is designed to protect the AIR pump system from failing due to internal corrosion will be installed.	4,630 27,179 30,225 54,958 5,493	122,485	CA FED 50S 50S CA
HYUNDAI	36	1552	DR VERR	10/31/2000	1997 1998	Accent	VHY1.5VJGFFK VHY1.5VJG1EK WHYXV01.51AS WHYXV01.52GM	Some vehicles have experienced small vapor leaks caused by excessive vacuum in the fuel tank. <b>Remedy:</b> The fuel filler cap will be replaced with a cap that reduces the amount of vacuum applied to the fuel tank.	2442 1,098 23,347 8,792	35,679	FED CA FED CA
JAGUAR	S-120	1409	DR VERR	1/4/2000	2000	S-type	YJCXV04.0CN5	There have been isolated instances of spurious illumination of the MIL, accompanied by logging of OBD code P0340 on 4.0L S-type vehicles in the USA, Canada and Mexico. The code is flagged due to a software error which miscounts teeth between the two camshaft sensors. <b>Remedy:</b> Jaguar will reflash the Powertrain Control Module (PCM) to correct this problem. This update will reinstate the DTC P0340 code in the PCM.	9,000	9,000	50S
KIA	SC016 SC022	1494	DR VERR	9/18/2000	1998 1999		WKMXT02.0B01 XKMXT02.0B02	Some car owners have complained of noise coming from the underbody of the car. The noise has been found to be caused by a cracked weld between the catalyst body and the tapered outlet flange. The failure of the weld is caused by a lack of welding depth. <b>Remedy:</b> Replacement of MCC (Manifold Catalytic Converter)	20,439 36,510	56,949	50S

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KIA	SC015	1517	DR VERR	11/13/2000	1998 1999	Sephia	WKMXV01.8A01 XKMXV01.8A02	Some cars may have a faulty ORVR valve that may cause the vehicle to be difficult to refuel. <b>Remedy:</b> Kia will replace the ORVR valve in the affected vehicles.	44,192 55,945	100,137	50S 50S
KIA	SC010	1355	DR VERR	11/31/00	1998 1999	Sportage '98 Sephia '98 Sportage '99 Sephia '99	WKMXT02.0B01 WKMXT01.8A01 XKMXV02.0B02 XKMXV01.8A02	Due to defective programming, the ECU is unable to access output functions such as error codes. <b>Remedy:</b> A special label will be mailed to vehicle owners that will inform technicians of the necessity to have the engine running in order to read OBD II diagnostic trouble codes. The owners will be given instructions on where to install the labels or given the option to take their vehicle to Kia for installation.	26,435 45,935 38,230 57,024	167,624	50S 50S 50S 50S

Record Type:

Sales Area:

**Total Number of (Recalls):**

**DR** - Defect Report

**VERR** - Voluntary Recall without EPA investigation

**I** - Influenced - Voluntary Recall after EPA investigation

**O** - Ordered Recall after EPA investigation

In some cases vehicle breakdown was done by Model Year (MY) only (i.e. 95MY, 00MY, etc.)

CL - California + NLEV (all states)

FED - Federal states (all altitude)

CA - California

FED/NL - Federal or NLEV states (all altitude)

NE+CA - NLEV northeast states + California

Voluntary: 24

Influenced: 0

Ordered: 0

**Total Number of Vehicles by type:**

**2,057,575**