

# 1993 Calendar Year Emission Related Recalls

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

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<u>Manufacturer</u>	<u>Case/Defect /(Campaign)</u>	<u>Type*</u>	<u>Date of Owner Notification</u>	<u>Vehicle Class</u>	<u>Emission Problem</u>	<u>Number of Vehicles Recalled</u>
Chrysler Corporation	90-40 DR-825 (333-T)	I	5/12/93	1986 Federal Jeep CJ7, Grand Wagoneer and J-10 pickup with 4.2L engine, high-altitude emission control system and manual transmission. Engine codes 4M1 and 4M2 only (GAM4.2T2HEA8)	Excessive CO	1,239
Chrysler Corporation	91-42 DR-843 (559)	I	8/19/93	1989 Federal Jeep Wrangler with 4.2L engine and high-altitude emission control system. Engine codes 4M1 and 4A1 only (KAM4.2T2HEA3)	Excessive CO	1,650
Chrysler Corporation	91-45 DR-846 (551)	I	8/19/93	1988 Federal Chrysler LeBaron Coupe and GTS; Plymouth Sundance and Reliant; Dodge Shadow, Aries, Daytona and Lancer with 2.5L engines located in high altitude areas (JCR2.5V5HCF4)	Excessive CO	1,630
Chrysler Corporation	91-35 93-18 93-21 DR-842 (561) (562) (590) (591) (592) (593)	I	11/15/93	California and Federal 1987-90 Jeep Cherokee, Wagoneer and Comanche with 4.0L engine; 1988-91 Eagle Premier and Dodge Monaco with 3.0L engine; 1988-89 Eagle Premier with 2.5L engine; 1987 Renault Alliance GTA with 2.0L engine ([91] --	Excessive HC, CO and NOx due to silicon contamination of the oxygen sensor by the sensor wire-boot and/or a loose oxygen sensor heater wire.	726,873

				MCR3.0V5FFM5 {50ST} [90] -- LAM4.0T5LND3 {FED} LAM242T5LND9 {CALF} [89] -- KAM4.0T5LND2 {FED} KAM242T5LND8 {CALF} KAM3.0V5LYEO {50ST} KAM2.5V5LAC6 {50ST} [88] -- JAM4.0T5LND1 {FED} JAM242T5LN74 {CALF} JAM3.0V5LYEX {50ST} JAM2.5V5LAC5 {50ST} [87] -- HAM4.0T5LAB9 {FED} HAM242T5LAB4 {CALF} HAM2.0V5FGA1 {50ST})		
Chrysler Corporation	90-47 DR-864 (528)	I	12/22/93	1988 Federal Chrysler New Yorker and Dodge Dynasty with 3.0L engine (JCR3.0V5FBH9)	Excessive HC due to leaking fuel injectors	112,700
Cummins	DR-866 (346T)	V	8/23/93	1992 California Dodge Ram pick-up with 5.9L Cummins turbo diesel engine (PCE0359FAA6)	Incorrect injector timing value listed on the vehicle emissions information data plate	550
Diamond Star Motors	93-17 DR-861	I	11/2/93	1990 Federal Mitsubishi Eclipse, Eagle Talon and	Excessive CO due to oxygen sensor lacking	41,097

	(EMR93-001)			Plymouth Laser with 2.0L turbocharged engine (LDS2.0V5FF38)	the thermal resistance needed to withstand the higher underhood temperatures generated by turbocharged engines	
Ford Motor Company	90-45 DR-836 (93E35) (93E36)	I	7/2/93 9/3/93	1987 California (both high and low-altitude vehicles) and Federal (vehicles registered in high altitude areas only) with 1.9L engines and manual transmissions (calibration 7-07E-R10 only) (HFM1.9V5HMKX)	Excessive CO and NOx emissions	9,322
Ford Motor Company	92-21 DR-835 (93E40)	I	8/6/93	1988-1990 Federal Ford Escort, Escort wagon and EXP with 1.9L engine registered in high-altitude areas (calibrations 8-07A-R11 and 8-08A-R11 only) ([88] -- JFM1.9V5FFF5 [89] -- KFM1.9V5FFF6 [90] -- LFM1.9V5FFF7)	Excessive CO	16,000
Ford Motor Company	92-21 DR-867 (93E46) (93E50)	I	12/23/93	1988-1990 Federal Ford Escort, Escort wagon and EXP with 1.9L engine ([88] -- JFM1.9V5FFF5 [89] -- KFM1.9V5FFF6 [90] -- LFM1.9V5FFF7)	Excessive CO	636,137
Ford Motor Company	DR-833 (93E32)	V	8/13/93	1993 California and Federal Ford Tempo and Mercury Topaz with 3.0L engine built	Evaporative lines from fuel tank to canister left disconnected	87

				from 2/22/93 through 2/25/93 (PFM3.0V5FXD6 {FED} PFM3.0V5FXG9 {CALF}))	during the manufacturing process	
Ford Motor Company	DR-831 (92E31)	V	1/20/93	1993 California Ford Explorer with 4.0L engine produced from 8/21/92 through 9/9/92 (PFM4.0T5FCC6)	Cylinder identification sensor incorrectly aligned	228
Ford Motor Company	DR-870 (93E33)	V	5/7/93	1989 and 1990 California Escort with 1.9L engine (calibration 9-07R-R11 only) ([89] -- KFM1.9V5HMC5, [90] -- LFM1.9V5HMC6)	Excessive NOx during CARB in-use testing	6,900
Ford Motor Company	DR-871 (93E43)	V	8/13/93	1989 and 1990 California Escort with 1.9L engine ([89] -- KFM1.9V5FFC3, KFM1.9V5FFD4 [90] -- LFM1.9V5FFC4, LFM1.9V5FFH9	Excessive NOx during CARB in-use testing	42,800
General Motors	DR-830 (92C33)	V	2/26/93	1992 Federal Caprice with 4.3L engine (N1G4.3V5NDA6)	PCV fresh-air inlet hose manufactured larger than the port on the air cleaner housing. Hose disconnects from the air cleaner housing allowing cylinder blow-by emissions to escape to the atmosphere	1,849

General Motors	DR-844 (89C25)	V	8/30/93	1988 and 1989 Federal and California Chevrolet Corvette with 5.7L engines ([88] -- J1G5.7V8DCA8 {50ST} [89] -- K1G5.7V8DCA9 K1G5.7V8GAN7 {50ST})	Evaporative system hoses deteriorate resulting in fuel leaks.	49,209
Hyundai	92-29 DR-868 (93-01-003)	I	10/15/93	1989 Federal Hyundai Excel and Mitsubishi Precis with 1.5L engine sold west of the Mississippi River (KHY1.5V5HFB6)	Excessive CO	39,392
Hyundai	DR-845 (93-01-012)	V	8/16/93	1993 Federal and California Scoupe with 1.5L engine (PHY1.5V5FF37, PHY1.5V5FF26 {FED} PHY1.5V5FCAX, PHY1.5V5FC31 {CALF})	Ignition coil orientation allows coil wire to rub against a heater hose which wears the coil wire and results in an engine mis-fire	5,411
Isuzu	91-27DR-805 (88C31)	O	3/1/93	1988 Federal Isuzu I-Mark and Chevrolet Spectrum with 1.5L engine (JSZ090V2FEA7)	Excessive CO	82,681
Isuzu	92-16 DR-862 (93-E-891)	I	10/18/93	1989 Federal Isuzu I-Mark and Geo Spectrum with 1.5L engine (JSZ090V2FEA8)	Excessive CO	61,049
Land Rover	DR-828 (D809)	V	4/19/93	1991 California and Federal Range Rover with 3.9L engine produced between 12/3/90 and 5/24/91 (MLR3.9T5FSS6)	Oxygen sensor failure	1,450

Land Rover	DR-863 (D822)	V	11/30/93	1993 California and Federal Defender 110 with 3.9L engine (PLR3.9T5FSS9)	Nuts used to fasten the exhaust manifold to the exhaust downpipe are susceptible to torque relaxation resulting in an exhaust leak	508
Mack	DR-860 (EC008)	V	9/22/93	1993 19, 20 and 26 E7 (728 CID) heavy-duty engine (NMT0728FAA6, NMT0728FAB7, NMT0728FABX)	Aneroid puff limiter (LDA) shaft retaining screw insufficiently tightened during the manufacturing process. The screw loosens in service resulting in either a reduction of fuel delivery during accelerations accompanied by a loss of power or a smoke opacity above the 20 percent limit	134
Mitsubishi	DR-826 (SC93002)	V	4/30/93	1992 and 1993 California and Federal Expo LRV and Mirage with 1.8L engine ([92] -- NMT1.8V5FF45 {FED} NMT1.8V5FC4X {CALF} [93] -- PMT1.8V5FF47 {FED} PMT1.8V5FC41 {CALF})	Incorrect valve clearance dimension listed on vehicle emissions control information (VECI) label	13,130
Nissan	DR865 (93-R2354)	V	2/16/93	1991 and 1992 California and Federal	EGR valve signal hose comes loose	106,000



				Nissan Sentra with 1.6L engine ([91] -- MNS1.6V5FAA2 {50ST} [92] -- NNS1.6V5FAA3 {50ST}))	at the EGR valve and throttle body connections due to an inadequate hose material	
Volkswagen	DR-829 (RP)	V	3/13/93	1993 California and Federal Passat with 2.0L 16-valve engine produced between 9/17/92 and 10/27/92 (PVW2.0V6FAG1 -- {FED} PVW2.0V6FAEX -- {CALF}))	Idle stabilizer built with a weak spring which causes an erratic idle	53
Volkswagen	DR-856 (RY) (SC)	V	8/12/93 10/1/93	1990-1992 California and Federal Passat, GLI and GTI with 2.0L 16-valve engine produced between 10/89 and 6/92 ([90] -- LVW2.0V6FAK3, LVW2.0V6FAE6 {FED} LVW2.0V6FAG8, LVW2.0V6FAL4 {CALF} [91] -- MVW2.0V6FAK4 MVW2.0V6FAE7 {FED} MVW2.0V6FAG9 MVW2.0V6FAL5 {CALF} [92] -- NVW2.0V6FAK5 NVW2.0V6FAE8 {FED} NVW2.0V6FAGX NVW2.0V6FAL6 {CALF}))	Defect in ECM logic causes hesitation during upshifts	53,000

\* Type: O = Ordered - Ordered recall after EPA investigation  
I = Influenced - Voluntary recall after EPA investigation  
V = Voluntary - Voluntary recall without EPA investigation