

List of ACEA member company petrol vehicles compatible with E10 petrol (i.e. EN 228 with the current volatility limits specified in EN228: 2008)

Important note applicable for the complete list hereunder:

The European Fuel Quality Directive⁽¹⁾ introduces a new market petrol across the European Union from 1st January 2011 that may contain up to 10% (by volume) ethanol (E10).

For vehicles equipped with a spark-ignition (petrol) engine introduced into the EU market, this list indicates their compatibility with E10 petrol which complies also with the EN 228: 2008⁽²⁾ volatility limits.

Other information:

The European Fuel Quality Directive⁽¹⁾ requires that member states of the European Union must ensure that sufficient volumes of today's petrol are available for vehicles that are not compatible with the use of E10 petrol. Owners of the vehicles indicated in this list that are not cleared for the use of E10 should therefore continue to have EU-wide access to today's petrol (EN228: 2008⁽²⁾) that may contain up to 5% (by volume) ethanol.

In addition, it is a general recommendation that fuels containing metallic additives should not be used.

Additional note on petrol octane:

It is important to note that the compatibility of vehicle with petrol depends both on the petrol octane rating and its ethanol content. The vehicle's octane requirement must be met and the ethanol content of the petrol may not exceed the compatibility limit.

In case of doubt, drivers are advised to contact their dealer.

Update history:

9th March 2011 updated with additional information on Skoda cars

14th March 2011 updated with additional information on Audi cars.

⁽¹⁾ Directive 2009/30/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 98/70/EC as regards the specification of petrol, diesel and gas-oil and introducing a mechanism to monitor and reduce greenhouse gas emissions and amending Council Directive 1999/32/EC as regards the specification of fuel used by inland waterway vessels and repealing Directive 93/12/EEC, Official Journal of the European Union L140, 5.6.2009, p.88.

⁽²⁾ European Standard EN228: 2008 – Automotive Fuels – Unleaded Petrol – Requirements and Test Methods.

BMW group:

BMW:

All petrol engine BMW models are cleared for the use of E10 petrol regardless of their year of manufacture but the minimum octane required should be observed according to the owner's manual.

MINI:

E10 is cleared for use in all MINI models with petrol engine after the re-launch of the MINI brand in the year 2000.

Rolls Royce:

E10 is cleared for use in all Rolls Royce models starting with model year 2003, the launch of the Phantom model.

Daimler group:

Mercedes-Benz:

E10 petrol is cleared for use in the vast majority of all Mercedes Benz vehicles with petrol engines, except:

- first generation direct injection C200 CGI (W203), CLK 200 CGI series (C209) of the years 2002 – 2005;
- models not equipped with three-way catalysts or produced with a carburetor. These are mainly vehicles older than 25 years.

Smart:

E10 petrol is cleared for use in all petrol engine Smart vehicles.

Maybach:

E10 petrol is cleared for use in all Maybach vehicles.

Fiat group:

Alfa Romeo:

E10 petrol is cleared for use in the following Alfa Romeo models with petrol engines:

MiTo

- 159: 1.8 16V, 1.8 TBi 16V, 3.2 JTS V6
- Brera: 1.8 TBi 16V, 3.2 JTS V6
- Spider: 1.8 TBi 16V, 3.2 JTS V6
- 8C: 4.7 32V

Fiat:

E10 petrol is cleared for all Fiat vehicles of Euro 3 emission levels or newer, starting from model year 2000, except the following vehicles:

- Barchetta: 1.8 16V.
- Bravo/Brava (182): 1.6 16V.

- Doblò: 1.6 16V.
- Marea: 1.6 16V, 2.0 16V.
- Multipla: 1.6 16V.
- Palio: 1.6 16V.
- Punto (188): 1.8 16V.
- Stilo: 1.6 16V (1.596 cm³), 1.8 16V, 2.4 20V.

Lancia:

E10 petrol is cleared for use in all Lancia vehicles of Euro 3 emission level starting from model year 2000, excluding the following vehicles:

- Lybra: 1.6 16V, 1.8 16V, 2.0 20V
- Thesis: 2.0 Turbo 20V, 2.4 20V, 3.0 V6 24V, 3.2 V6 24V

Ford:

E10 is cleared for use in all petrol driven Ford models manufactured in Europe since 1992 excluding:

- Ford Mondeo SCI CD 132 until 2006.

Jaguar - Land Rover:

Jaguar:

E10 petrol is cleared for use in all Jaguar vehicles with petrol engines starting from model year 1992.

Land Rover:

E10 petrol is cleared for use in all Land Rover vehicles with petrol engines starting from model year 1996.

Opel - Vauxhall:

E10 petrol is cleared for use in all Opel vehicles with petrol engines, excluding:

- Models with the 2.2 litre direct injection petrol engine, motor code: Z22YH (Vectra, Signum, Zafira).

Porsche:

E10 petrol is cleared for use in all Porsche vehicles with petrol engines since the 1997 model year (Boxster) and the 1998 model year (Carrera).

PSA Peugeot Citroën:

All Peugeot and Citroën cars with petrol engines are E10 (EN228) compatible since 1st January 2000.

Renault group:

Dacia:

E10 is cleared for use in all petrol driven Dacia vehicles.

Renault:

E10 petrol is cleared for use in all Renault petrol vehicles marketed since 1st January 1997, with the exception of the following models:

- RENAULT 19;
- Megane 1 with 2,0 l F5R 700 direct injection petrol engine;
- Megane 1 with 2,0 l F5R 740 direct injection petrol engine;
- Laguna 2 with 2,0 l F5R 782 direct injection petrol engine,

and the following models marketed between 1st January 2000 and 31st December 2002:

- Laguna 2 with 2,0 l F4R 764 Turbo engine;
- Laguna 2 with 2,0 l F4R 765 Turbo engine;
- Espace 4 with 2,0 l F4R 790 Turbo engine;
- Espace 4 with 2,0 l F4R 794 Turbo engine;
- Velsatis with 2,0 l F4R 762 Turbo engine;
- Velsatis with 2,0 l F4R 763 Turbo engine;
- Avantime with 2,0 l F4R 760 Turbo engine;
- Avantime with 2,0 l F4R 761 Turbo engine.

Toyota Motors group:

Toyota:

E10 petrol is cleared for use in all Toyota European petrol models made from January 1998, excluding:

- Avensis 2.0 L with engine 1AZ-FSE made between July 2000 and October 2008.
- Avensis 2.4 L with engine 2AZ-FSE made between June 2003 and October 2008.

Lexus:

E10 petrol is cleared for use in all Lexus European petrol models made from January 1998, excluding:

- IS250 2.5 L V6 with engine 4GR-FSE made between August 2005 and September 2007.
- GS300 3.0 L V6 with engine 3GR-FSE made between January 2005 and September 2007.
- LS460 4.6 L V8 with engine 1UR-FSE made between August 2006 and September 2007.

Volkswagen group:

Audi:

E10 petrol is cleared for use in all Audi petrol driven vehicles, excluding the following vehicles:

First generation direct injection engines:

Audi A2 1.6 FSI, model years 2003-2005

Audi A3 1.6 FSI, model year 2004

Audi A3 2.0 FSI, model year 2004

Audi A4 2.0 FSI, model years 2003-2004

Audi A4 Saloon petrol engine models with OEM parking heater, of model years 2001-2008. E10 is not suitable for use during the heating season in countries with colder climates.

Audi A4 Avant petrol engine models with OEM parking heater of model years 2002-2008. E10 is not suitable for use during the heating season in countries with colder climates.

Seat:

E10 petrol is cleared for use in the following Seat models with petrol engines:

- Ibiza, starting from model year 2002.
- Cordoba, starting from model 2003.
- Leon, starting from model year 1999.
- Toledo, starting from model year 1999, excluding the 110 kW 2.0 FSI BLR engine manufactured up to June 2004.
- Altea, XL, Freetrack starting from model year 2004, excluding the 110 kW 2.0 FSI BLR engine manufactured up to June 2004.
- Alhambra, starting from model year 2001.
- Ibiza, starting from model year 2008 (Ibiza V).
- All Exeo and Exeo ST models, starting from model year 2009.

Škoda:

E10 petrol is cleared for use in all following Škoda vehicles with petrol engines with the following exception:

- Felicia 1.3l OHV (40kW and 50kW) engines used in Felicia models in the production years 1994 to 2001 and before. A retro-fit option exists for these engines to make them compatible with the use of E10 petrol – owners are advised to consult their dealer.

Volkswagen:

With few exceptions, E10 is cleared for use in all Volkswagen vehicles with petrol engines.

The exceptions are the following models with the first generation of FSI engines:

- Lupo 1,4 (77 kW) made from August 2000 to November 2003 (model year 2001 - 2004);
- Polo 1,4 FSI (63 kW) made from February 2002 to June 2006 (model year 2002 - 2006);
- Golf IV 1,6 FSI (81 kW) made from November 2001 to May 2004 (model year 2002 - 2004);
- Golf IV Variant 1,6 FSI (81 kW) made from October 2001 to October 2006 (model year 2002 - 2006);
- Bora 1,6 FSI (81 kW) made from October 2001 to September 2005 (model year 2002 - 2005);
- Bora Variant 1,6 FSI (81 kW) made from October 2001 to September 2005 (model year 2002 - 2005);
- Golf V 1,4 FSI (66 kW) made from November 2003 to November 2004 (model year 2004 - 2005);
- Golf V 1,6 FSI (85 kW) made from August 2003 to May 2004 (model year 2004);
- Golf V 2,0 FSI (110 kW) made from January 2004 to May 2004 (model year 2004);
- Touran 1,6 FSI (85 kW) made from November 2002 to May 2004 (model year 2003 - 2004);

- Touran 2,0 FSI (110 kW) made from October 2003 to May 2004 (model year 2004).

Volvo cars:

E10 petrol is cleared for use in all Volvo cars with petrol engines introduced to the market since 1976 based upon servicing and other conditions according to the equipment and material with which the vehicle was originally equipped.

E10 petrol is not cleared for a limited number of S/V40 models with petrol engines produced in the mid-1990s with engine type 1.8 GDI.

Not ACEA members:

Saab:

All Saab vehicles with petrol engines are cleared for use with E10 petrol.

Owners of vehicles produced up to the mid-1980s should consult their dealer.

List of JAMA member company petrol vehicles compatible with E10 petrol (i.e. EN 228 with current volatility limits specified in EN228: 2008)

Daihatsu:

E10 petrol is cleared for use in the following models with petrol engines:

- Cuore L276: from production-date 25th April 2008*.
- Trevis L651: from production-date 8th May 2008*.
- Siroin M3#: from market introduction.
- Materia M4#: from market introduction.
- Terios J2#: from market introduction.
- Copen L881: from production-date 25th April 2008*.

* contact Daihatsu dealers or distributor for confirmation of E10 compatibility of individual vehicle.

Honda:

E10 petrol is cleared for use in all EU models with petrol engines equipped with electronic control fuel injection system (HONDA PGM-FI).

Nissan:

E10 petrol is cleared for use in all models with petrol engines from 1st January 2000.

Mazda:

E10 petrol is cleared for use in all models with petrol engines introduced in and from the year 2002 (Mazda6 (GG/GY) and models with petrol engines introduced thereafter, i.e:

- Mazda2: DY/DE.
- Mazda3: BK/BL.
- Mazda5: CR.
- MX-5: NC.
- Mazda6: GG/GY/GH.
- CX-7: ER.
- RX-8: SE.

Mitsubishi:

E10 petrol is cleared for use in all models with petrol engines except those equipped with the GDI engine (gasoline direct injection).

Subaru:

E10 petrol is cleared for use in all models with petrol engines manufactured from 1st January 1991 with the exception of the following models:

- All Vivio models.
- Justy manufactured before April 1994.

Suzuki:

E10 petrol is cleared for use in all current production models with petrol engines. For older models: Please refer to Owner's Manual.