

THE ZF TRANSMISSION HISTORY

ZF stands for Zahnrad Fabrik, and the full name of the company is ZF Friedrichshafen AG. The very first ZF gearboxes, installed on cars Wanderer, Benz, Adler and others, brought success to the company. Today, in the global market, the ZF Group is one of the leading suppliers of automotive components for drive technology and chassis units: gearboxes, steering systems, differentials, axles.

You can learn more about the founding fathers of this 100+ Year old Manufacturing Company here:

https://www.zf.com/mobile/en/company/strategy/heritage_zf/heritage.html?pageLink=headlinebiographies_cg_840693

Explanation of the names given to all gearboxes manufactured by ZF:

- The first digit always means the number of gears of the gearbox (the CVT is skipped).
- Further letters: HP – hydraulic automatic transmission, CFT – continuously variable transmission, DT – robotic transmission.
- The last numbers are the torque index; the larger they are, the more powerful the gearbox.

Gearbox ZF 4HP14

The 4-speed automatic ZF 4HP14 was produced at a plant in Germany from 1983 to 1998 and was installed on many popular European cars such as Citroen Xantia, Peugeot 405 and Rover 800. And then the license for its assembly was bought by the Korean company Daewoo for the Leganza and Nubira models.

Gearbox ZF 4HP16

The 4-speed automatic transmission ZF 4HP16 was produced at a plant in South Korea from 2000 to 2012 and was installed on models of the GM Korea concern, that is, Chevrolet, Daewoo, as well as their clones from Suzuki. In some markets, this automatic transmission is best known as the Chevrolet Lacetti automatic transmission.

Gearbox ZF 4HP18

The 4-speed automatic transmission ZF 4HP18 was produced at a German company from 1987 to 1998 and was installed on many popular front-wheel drive models such as Alfa Romeo 164 and Peugeot 605. This gearbox was also installed on front-wheel drive or all-wheel drive versions of the Audi 100, A6 and A8.

Gearbox ZF 4HP20

The 4-speed automatic transmission ZF 4HP20 was produced in Germany from 1995 to 2006 and was installed on models from Peugeot, Renault and Fiat with powerful diesel and petrol V6 engines. In some markets, such an automatic transmission is best known as the first generation Mercedes Vito automatic transmission.

Gearbox ZF 4HP22

The 4-speed automatic ZF 4HP22 was produced at a German company from 1980 to 2004 and was installed on many popular rear-wheel drive and all-wheel drive cars with powerful V6 and V8 engines. This transmission is known as the automatic transmission of the Land Rover Discovery and Range Rover of the first generations.

Gearbox ZF 4HP24

The 4-speed automatic transmission ZF 4HP24 was produced at a plant in Germany from 1986 to 2004 and was installed on many rear-wheel drive or all-wheel drive models from BMW, Jaguar and Range Rover. This automatic transmission was also installed on front-wheel drive and all-wheel drive Audi under the designations 4HP24A and 4HP24FLA.

Gearbox ZF 5HP18

The 5-speed automatic transmission ZF 5HP18 was assembled by the concern from 1990 to 1999 and was installed on a number of popular rear-wheel drive models from BMW under the symbol A5S310Z. This automatic transmission was intended for engines up to 3.0 liters and 310 Nm of torque.

Gearbox ZF 5HP19

The 5-speed automatic transmission ZF 5HP19 was produced in Germany from 1994 to 2008 and was installed on many popular rear-wheel drive BMW models under the symbol A5S325Z. On Audi and Volkswagen models this gearbox is known as 5HP19FL or 01V, and on Porsche as 5HP19HL.

Gearbox ZF 5HP24

The 5-speed automatic transmission ZF 5HP24 was produced in Germany from 1995 to 2008 and was installed in the rear or all-wheel drive models of BMW and Land Rover under the symbol A5S440Z. A strengthened version of this automatic transmission for all-wheel drive Audi and Volkswagen is known as 5HP24A and 01L.

Gearbox ZF 5HP30

The ZF 5HP30 5-speed automatic transmission was produced by the concern from 1992 to 2003 and was installed only on the most powerful rear-wheel drive BMW models under its A5S560Z index. Another such automatic transmission was found on premium cars Aston Martin, Bentley and Rolls-Royce.

Gearbox ZF 6HP19

The 6-speed automatic transmission ZF 6HP19 was produced in Germany from 2002 to 2013 and was installed on many rear-wheel drive and all-wheel drive models of the BMW concern as GA6HP19Z. This transmission is found on Audi and Volkswagen cars under the designations 0AT or 09L.

Gearbox ZF 6HP26

The 6-speed automatic transmission ZF 6HP26 has been produced at the German plant since 2000 and is installed on rear-wheel drive or all-wheel drive BMW models under the designations GA6HP26Z and GA6HP26X. On Ford cars this transmission is known as 6R60 and 6R80, and on Audi as 6HP26A or 09E.

Gearbox ZF 6HP32

The 6-speed automatic transmission ZF 6HP32 was produced in Germany from 2001 to 2012 and was installed on the most powerful BMW and Rolls-Royce models under its index GA6HP32Z. Modifications of this automatic transmission for Audi Q7 and VW Phaeton are known as 0BQ and 09F or 6HP32A.

Gearbox ZF 6HP21

The 6-speed automatic transmission ZF 6HP21 was produced in Germany from 2007 to 2016 and was installed on a number of rear-wheel or all-wheel drive BMW models under the GA6HP21Z index. In the Australian market, such a transmission is found on Ford Falcon and Territory cars.

Gearbox ZF 6HP28

The 6-speed automatic transmission ZF 6HP28 was produced by the concern from 2007 to 2014 and was installed on rear-wheel drive or all-wheel drive BMW models under the designations GA6HP28Z and GA6HP28X. A modification of such an automatic transmission for Audi is known as 0B6 or 6HP28A and has many differences.

Gearbox ZF 8HP45

The 8-speed automatic transmission ZF 8HP45 has been produced by the German concern since 2010 and is installed on a number of popular rear-wheel drive or all-wheel drive BMW models such as the GA8HP45Z. This transmission is also installed on Chrysler, Dodge and Jeep, but under its own designation 845RE.

Gearbox ZF 8HP55

The 8-speed automatic transmission ZF 8HP55 was produced by the concern from 2009 to 2018 and was installed on powerful Audi models under the symbol 0BK, sometimes it is designated 8HP55A and 8HP55AF. There is a version of this gearbox for hybrid cars with the index 0BW or 8HP55AH.

Gearbox ZF 8HP70

The 8-speed automatic transmission ZF 8HP70 has been produced by the German company since 2009 and is installed on rear or all-wheel drive BMW models under the indexes GA8HP70Z and GA8HP70X. This automatic transmission is also installed on Jaguar and Land Rover, as well as Chrysler, Dodge and Jeep as the 870RE.

Gearbox ZF 8HP90

The 8-speed automatic transmission ZF 8HP90 has been produced by the German concern since 2009 and is installed on particularly powerful BMW and Rolls-Royce models under its GA8HP90Z index. The modification of this gearbox for Audi A8, RS6, RS7 has many differences and is known as OBL.

Gearbox ZF 8HP50

The ZF 8HP50 8-speed automatic transmission has been assembled at a plant in Germany since 2014 and is installed on rear-wheel drive BMW models as the GA8HP50Z and all-wheel drive as the GA8HP50X. This gearbox is also installed on Chrysler, Dodge and Jeep under its own designation 850RE.

Gearbox ZF 8HP65

The 8-speed automatic transmission ZF 8HP65 has been produced by the German concern since 2015 and is installed on powerful Audi and Porsche models under the symbol OD5, sometimes it is designated 8HP65A. There is a modification of this gearbox for hybrid cars with its own index OD7.

Gearbox ZF 8HP75

The 8-speed automatic transmission ZF 8HP75 has been assembled at a plant in Germany since 2015 and is installed on all-wheel drive BMW models as GA8HP75X or rear-wheel drive as GA8HP75Z. This gearbox is also installed on Alfa Romeo, Aston Martin, as well as Jeep under the symbol 875RE.

Gearbox ZF 8HP95

The 8-speed automatic transmission ZF 8HP95 has been produced by the German company since 2015 and is installed on particularly powerful BMW and Rolls-Royce models under its own index GA8HP95Z. The version of this automatic transmission for the Audi RS6, SQ7 and Bentley Bentayga has many differences and is known as OD6.

Gearbox ZF 8HP51

The 8-speed automatic transmission ZF 8HP51 has been produced by the German concern since 2018 and is installed on all-wheel drive BMW models as GA8HP51X and rear-wheel drive as GA8HP51Z. This gearbox is installed on the restyled version of the first generation Jaguar XE sedans.

Gearbox ZF 8HP76

The 8-speed automatic transmission ZF 8HP76 has been produced by the German company since 2018 and is installed on rear- and all-wheel drive BMW models under its index GA8HP76X and GA8X76AZ. This gearbox is also installed on the most powerful versions of the Land Rover Defender in the L663 body.

Gearbox ZF 9HP28

The ZF 9HP28 9-speed automatic transmission was produced in the USA from 2014 to 2018 and was installed on the Fiat 500X and the similar Jeep Renegade in combination with the 1.4 MultiAir engine. On cars from the Stellantis concern, this gearbox is known under its own index 928TE.

Gearbox ZF 9HP48

The ZF 9HP48 9-speed automatic transmission has been produced in California since 2013 and is installed on front-wheel drive and all-wheel drive models of Jeep, Honda, Nissan, Jaguar and Land Rover. On cars from the Stellantis concern, this automatic transmission is known under its own index 948TE.

Gearbox ZF 7DT-45

The 7-speed preselective robotic gearbox ZF 7DT-45 or Porsche PDK has been produced since 2008 and is installed on such popular models as the Boxster, Cayman and basic modifications of the 911. There are three different versions of this robotic gearbox: 7DT45FL, 7DT45HL, 7DT45HLA.

Gearbox ZF 7DT-70

The 7-speed preselective robotic gearbox ZF 7DT-70 has been produced at a plant in Germany since 2008 and is installed only on charged modifications of the Porsche 911 with the Turbo and Turbo S index. There is a version of this PDK for rear-wheel drive cars 7DT70HL and all-wheel drive 7DT70HLA.

Gearbox ZF 7DT-75

The 7-speed preselective robotic gearbox ZF 7DT-75 was produced in Germany from 2009 to 2016 and was installed only on the first generation of the Porsche Panamera liftback. There is a transmission modification for rear-wheel drive versions 7DT75 and all-wheel drive 7DT75A.

Gearbox ZF 8DT-55

The 8-speed preselective robotic gearbox ZF 8DT-55 has been produced at a plant in Germany since 2019 and is installed on basic modifications of the Porsche 911 in the 992 body, such as the Carrera S and Carrera GTS. There is a version of this PDK for rear-wheel drive cars 8DT55HL and all-wheel drive 8DT55HLA.

Gearbox ZF 8DT-80

The 8-speed preselective robotic gearbox ZF 8DT-80 has been produced at a plant in Germany since 2016 and is installed on the second generation Porsche Panamera and the platform Bentley Continental 3. There are three versions: rear-wheel drive 8DT80, all-wheel drive 8DT80A, hybrid 8DT80APH.

CVT ZF CFT23

The ZF CFT23 or Durashift CVT was produced at a plant in the USA from 2003 to 2010 and was installed only on the European version of the Ford Focus or a compact van based on it, the C-Max. This transmission was combined only with the 1.6-liter G8DA diesel engine.

CVT ZF CFT30

The ZF CFT30 or Ecotronic continuously variable transmission was produced in the USA from 2004 to 2007 and was installed on a number of Ford or Mercury models for the local automotive market. The transmission is designed for engines up to 3.0 liters, so the drive here is in the form of a pulling chain.