

Description and Operation

The 6-speed (B6) manual transmission is a manual gearshift transmission.

It is characterized by its low weight, high torque transfer ability and excellent shift qualities.

Features

- Manual transmission with six forward and one reverse gear
- Transversally installed
- Maximum transferable torque:
 - 285 Nm (diesel engines)
 - 240 Nm (petrol engines)
- Suitable for vehicles with a gross vehicle weight of 2200 kg maximum
- Installation length: 378 mm
- Gear shift mechanism via gearshift cables
- Weight of manual transmission (dry): approx. 38 kg
- Fill quantity - manual transmission fluid: 1.6 to 1.73 liters
 - The fill quantity given applies to a completely dry transmission. A newly supplied manual transmission already contains a residual fluid quantity of about 0.13 liters. This must be taken into account when filling the manual transmission.

Type plate

The type plate sticker is located on the transaxle housing and is used to unambiguously identify the transaxle.

The VIN plate consists of a barcode as well as a combination of numbers.

It can contain various information, such as:

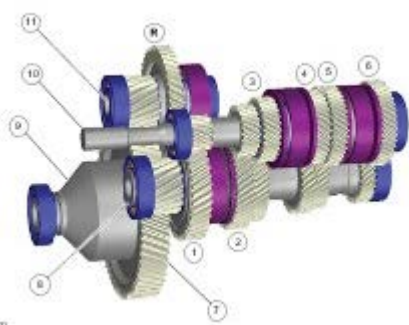
- Part No.
- Production plant (location)
- Build date
- Build period/build shift and transaxle build line
- Production code
- Ratio



Item Description

- 1 Part No.
- 2 Factory code (TTF=Halewood)
- 3 Build date (06.05.2013)
- 4 Build period/build shift

Layout



Item Description

- 1 First
- 2 Second
- 3 Third
- 4 Fourth
- 5 5th
- 6 6th
- R Reverse
- 7 Crown wheel, differential
- 8 Output shaft
- 9 Differential
- 10 Input shaft
- 11 Output shaft (reverse gear)

The new manual transmission is based on **three shafts**:

- one input shaft,
- one output shaft and
- one output shaft (reverse gear)

Synchronization

All gears are synchronized, including the reverser gear:

- 1./2. gears are **triple** synchronized
- 3./4./5./6. and reverse gear are **single** synchronized

Service instructions

- The sealing surfaces of the housing halves (transaxle and clutch housing) must be thoroughly cleaned before assembly. Sealant must then be applied to the sealing surface of the transaxle housing in the designated diameter.
- When assembling the transaxle, the bearing preload of the differential must be set.
- The exact instructions and the sealant specification can be found in the current workshop literature.
- Transmission fluid specifications as well as fluid fill capacities can be found in Ford Etis (Group 308, Manual Transaxle, Clutch, and Transfer Case).