

200 Transmission-General

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GENERAL

This transmission general repair group covers drivetrain application information for BMW E32 cars.

All of the cars covered by this manual are equipped with an in-line drivetrain. The transmission is bolted directly to the rear of a 6-, 8- or 12-cylinder engine. A driveshaft connects the output shaft of the transmission to the final drive. The final drive is mounted to the rear suspension member and the body. Individual drive axles with integrated constant velocity joints transfer rotational power to the rear driven wheels.

AUTOMATIC TRANSMISSION

Three different automatic transmissions are used, depending on model and model year and/or production date. All of the automatic transmissions are electro-hydraulically controlled with either four or five forward speeds. **Table a** lists automatic transmission application information.

◀ 4-speed ZF automatic transmission.

NOTE—

Repair information, including lubricating fluid specifications, for the automatic transmission is covered in **240 Automatic Transmission**.

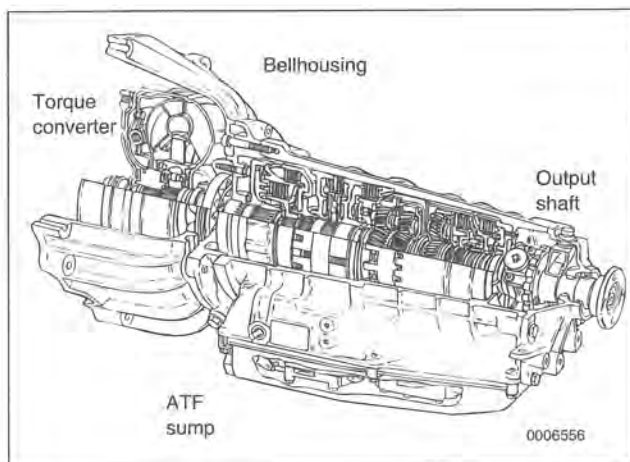


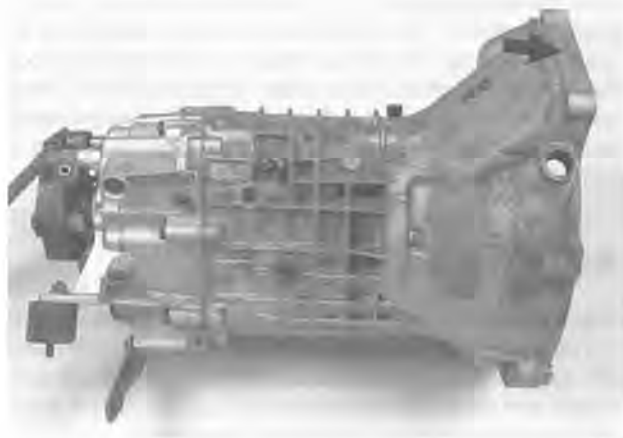
Table a. Automatic Transmission Technical Data

Model	735i/iL (1988-1993)	740i/iL (1993-1994)	750iL (1988-1994)
Type	ZF 4 HP 22 EH	A5S 560Z	ZF 4 HP 24
Gear ratios			
1st	2.48	3.55	2.48
2nd	1.48	2.24	1.48
3rd	1.00	1.55	1.00
4th	0.73	1.00	0.73
5th	N/A	0.79	N/A
Reverse	2.09	3.68	2.09

MANUAL TRANSMISSION AND CLUTCH

A small number of 735i models delivered US market were fitted with a Getrag 260/6 5-speed overdrive manual transmission. Manual transmission repair information is covered in **230 Manual Transmission**.

The clutch is hydraulically actuated. For more information on the clutch, see **210 Clutch**.



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LOCATING TRANSMISSION CODES

On cars with manual transmission, the transmission code can typically be found on the top of the bellhousing.

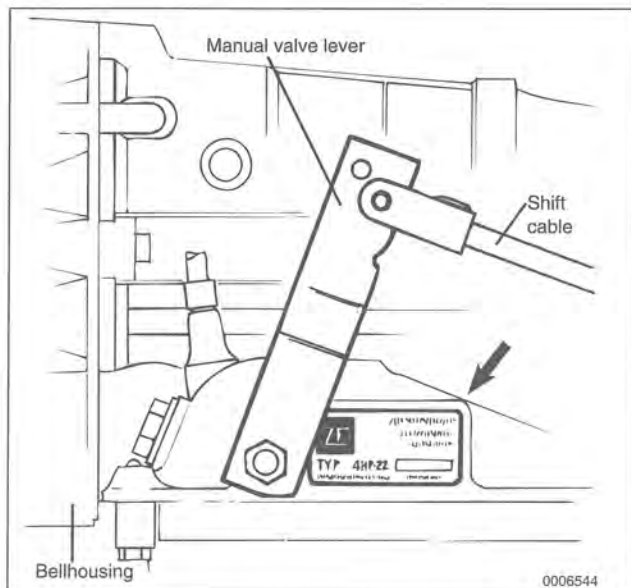
Table b. Manual Transmission Technical Data

Model	735i (1988-)
Type	Getrag 260/6
Gear ratios	
1st	3.83
2nd	2.20
3rd	1.40
4th	1.00
5th	0.81
Reverse	3.46

On cars with automatic transmission, the transmission code is located on a data plate (arrow) on the left side of the transmission housing, just behind the manual valve lever.

NOTE—

When replacing the transmission or related transmission components, such as the torque converter, the code letters on the replacement parts should correspond to those of the original parts.



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210 Clutch

GENERAL	210-1	Clutch slave cylinder, replacing	210-4
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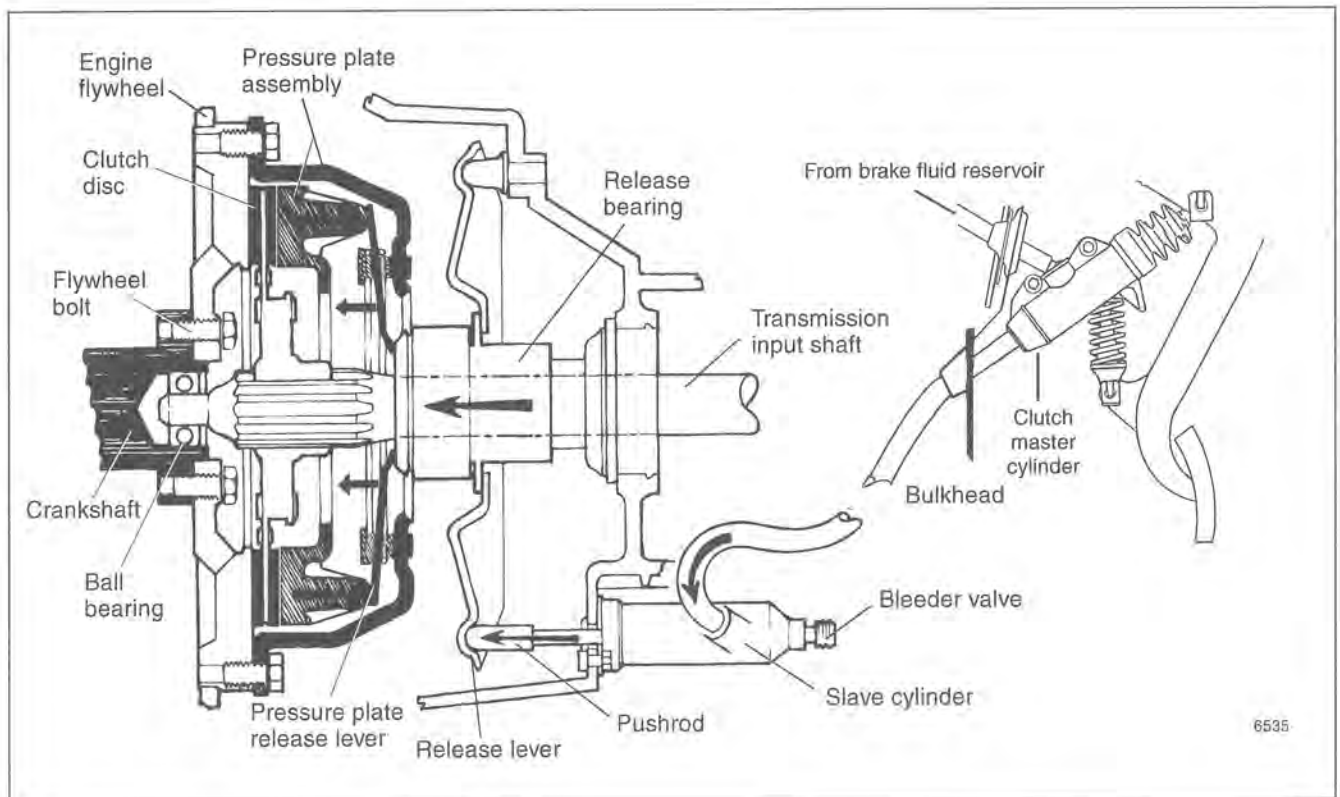
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GENERAL

The repair group covers replacement of the clutch mechanical and clutch hydraulic components. Special tools may be required for some of the service described in this repair group. Read the procedures through before beginning a job.

NOTE—

See **200 Transmission-General** for transmission application information.



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