

## Manual Transmission

The TR3650 5-speed manual transmission features the following:

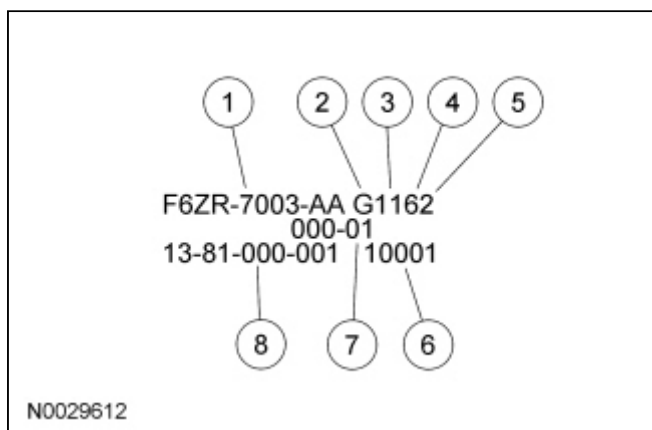
- The 5th speed gear functions as an overdrive gear
- The forward gears are synchronized and helical cut
- The reverse gear operates through a constant-mesh, fully synchronized system
- The shift interlock system prevents the engagement of more than one gear
- The countershaft is serviced as an assembly
- An aluminum main case, extension housing and bellhousing

The transmission function is to move the vehicle from a rest position to motion. This is done by transferring the engine torque, through the transmission, to the vehicle rear wheels. The transmission input shaft receives power when the clutch is engaged. Torque flows through the input shaft to the drive gear. Torque travels downward to the countershaft drive gear and is delivered along the countershaft to all the countershaft gears. Torque is then transferred upward to the engaged mainshaft gear. The transmission uses a system of mainshaft gears to change the speed and torque relationship between the engine crankshaft and the transmission output shaft.

### Transmission Identification

The transmission identification tag is located under the lower bolt that retains the extension housing to the main case.

### Transmission Identification



Item	Part Number	Description
1	—	Transmission assembly number
2	—	Build date code — month
3	—	Build date code — day
4	—	Build date code — year
5	—	Shift number
6	—	Serial number
7	—	Service repair code
8	—	Identification number located on left lower side of transmission case

