

Manual Transmission

The TR-6060 6-speed manual transmission features:

- six forward speeds and one reverse speed.
- forward gears are synchronized and helical cut.
- a reverse gear operates through a constant-mesh, fully synchronized system.
- a shift interlock system prevents the engagement of more than one gear.
- the countershaft is a one-piece design for added torque capacity.
- two tapered roller bearings on the output shaft.
- two tapered roller bearings on the countershaft cluster.
- a tapered roller bearing on the input shaft.
- a tapered roller bearing on the countershaft extension.
- countershaft cluster endplay controlled by shims located in the transmission clutch housing.
- input/output shaft endplay is controlled by shims located in the transmission clutch housing.
- removable wear pads on the shift forks.
- an aluminum main case, extension housing and clutch housing.

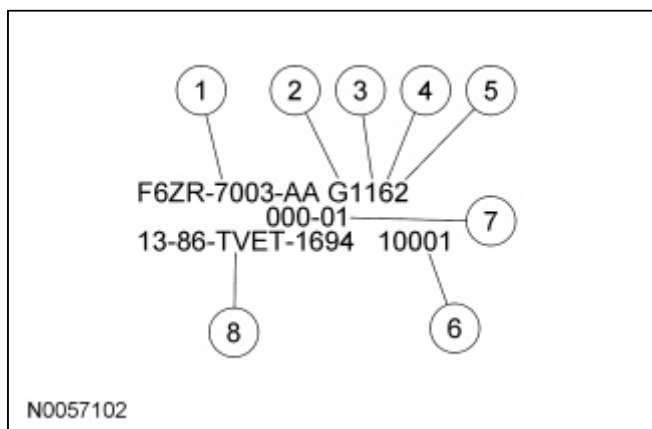
The transmission function is to move the vehicle from a rest position to motion. This is done by transferring the engine torque, through the transmission, to the vehicle rear wheels. The transmission input shaft receives power when the clutch is engaged. Torque flows through the input shaft to the drive gear. The torque travels downward to the countershaft drive gear and is delivered along the countershaft to all the countershaft gears. The 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.

The 6 speed (TR-6060) transmission is available for the Mustang Shelby GT500 5.4L (4V).

Transmission Identification



Item	Part Number	Description
1	7003	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
