

Motor Vehicle Safety

Title 49 United States Code

SECRETARY OF TRANSPORTATION

Administered By The

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

49 USC §571.102 Standard No. 102: Transmission Shift Position Sequence, Starter Interlock, and Transmission Braking Effect (Proposed Amendments)

S1. Purpose and scope. This standard specifies the requirements for the transmission shift position sequence, a starter interlock, and for a braking effect of automatic transmissions, to reduce the likelihood of shifting errors, to prevent starter engagement by the driver when the transmission is in any drive position, and to provide supplemental braking at speeds below 40 kilometers per hour (25 miles per hour).

S2. Application. This standard applies to passenger cars, multi-purpose passenger vehicles, trucks, and buses.

S3. Requirements.

S3.1 Automatic transmissions.

S3.1.1 Location of transmission shift positions ~~on passenger cars~~. A neutral position shall be located between forward drive and reverse drive positions.

S3.1.1.1 Transmission shift levers, paddles or knobs. ~~If a steering column-mounted transmission shift lever is used,~~ Movement from neutral position to forward drive position shall be clockwise or downward or from forward to rearward position. ~~If~~ The transmission shifting lever sequence shall include a park position, it shall be located at the end, adjacent to the reverse drive position.

(a) A distinctive and extra motion must be made to obtain or remove park condition.

(b) A unique position of shifter must be maintained for park mode.

S3.1.1.2 Transmission shift levers or paddles that are secondary and unique to forward drive gears only. Movement shall be forward or upward for higher gears and rearward or downward for lower gears.

(a) A drive gear is any system used to attain higher or lower speed.