

Document titleKey-P function

Document numbergf2710p3028ahl

TRANSMISSION 722.9 (except 722.930/931) in MODEL 212

Key-P function requirements, general

- Vehicle speed > 8 km/h

Key-P, general

The designation Key-P comprises all the functions which in addition to the parking brake serve to secure the vehicle to prevent it from rolling away unintentionally.

i If the ignition key is turned to position "0" (circuit 15 C) and removed while the vehicle is driving or rolling, the transmission is automatically shifted to gear range "N". As a result, the vehicle can roll "freely".

Key-P function sequence

The function sequence is described in the following steps:

- Park pawl function sequence
- Function sequence for locking in gear range "P"
- Emergency-P function sequence (see document, Emergency-P function)

Function sequence for park pawl (except code (889) Keyless-Go)

The park pawl only permits shifting out of selector lever position "P" using the DIRECT SELECT lever (S16/13) if the transmitter key (A8/1) is turned to position "circuit 15 ON" and the brake pedal is operated.

In order to ensure that after parking the vehicle the selector lever is shifted into selector lever position "P", the transmitter key can only be removed from the ignition lock control unit in this position (N73).

The vehicle is secured mechanically by blocking the park pawl gear in the transmission.

i

On vehicles with Keyless Go, selector lever position "P" is engaged when the driver door is opened after the vehicle is parked.

Gear range "P" lock

A shift is not made out of gear range position "P" under the following conditions:

- No power supply from intelligent servo module
- No enable from drive authorization system
- Brake pedal not actuated

	Electrical function schematic, Key-P	TRANSMISSION 722.9 (except 722.930/931) in MODEL 212 up to model year 2014	PE27.19-P-2058-97DAB
	Electrical function schematic, Key-P	TRANSMISSION 722.9 (except 722.930/931) in MODEL 212 as of model year 2014	PE27.19-P-2058-97DAE
	Emergency-P function		GF27.10-P-3029AHL
	Overview of system components for automatic transmission (AT)		GF27.10-P-9992AHL