

## Checking PCCC (Porsche Ceramic Composite Clutch)



### Note!

During daily use, torque capacity of the PCCC increases to over 1,000 Nm (740 ftlb.). Only when it is completely new, does the PCCC require examination in regard to clutch slippage. This inspection is to be carried out after complete or partial replacement of the PCCC.

After installation of a new PCCC in a vehicle, the former must be tested for torque capacity and, if necessary, broken in. Should this be the case, the following procedure is to be adhered to in detail.



### Caution!

**Testing the torque capacity of the PCCC may only occur under the following conditions:**

- **PSM in the vehicle must be active.**
- **The road surface must be absolutely dry.**
- **Acceleration under full load is only permissible on straight stretches and is not permitted in corners.**
- **Sufficient friction values between road surface and tires must be guaranteed.**
- **The inspection may only be performed in appropriate traffic and only by persons familiar with handling maximum performance sports vehicles.**

### Testing Moving Off

1. The vehicle shall be moved off at approx. 4,000 rpm and with the PCCC grinding for approx. 1 second.
2. The vehicle shall then be immediately accelerated under full load up to and including third gear. The acceleration process is stopped in third gear at 4,500 rpm. Vehicle speed is then roughly 100 km/h (62 mph).



### Note!

- ◆ *If the PCCC slips during acceleration, continue with the cool-off phase.*
- ◆ *If there is no clutch slippage, this PCCC is OK.*

### Cool-off Phase

1. For cooling off, the vehicle shall be driven under low loads in the second, third and fourth gear. During this time, the PCCC shall be successively opened in combination with gear shifts. After approx. 5 min, the cool-off phase has been completed and the acceleration test can begin.

### Testing Acceleration

1. Accelerate under full load in second and third gear up to an engine speed of 4,500 rpm. Vehicle speed is then roughly 100 km/h (62 mph).

 **Note!**

- ◆ *If the PCCC slips, continue with the cool-off phase. After that, the entire procedure, beginning with testing moving off, must be repeated.*
- ◆ *If there is no clutch slippage, this PCCC is OK.*