

Passenger Door – Door Cylinder & Potentiometer

Potentiometer – Adjustment

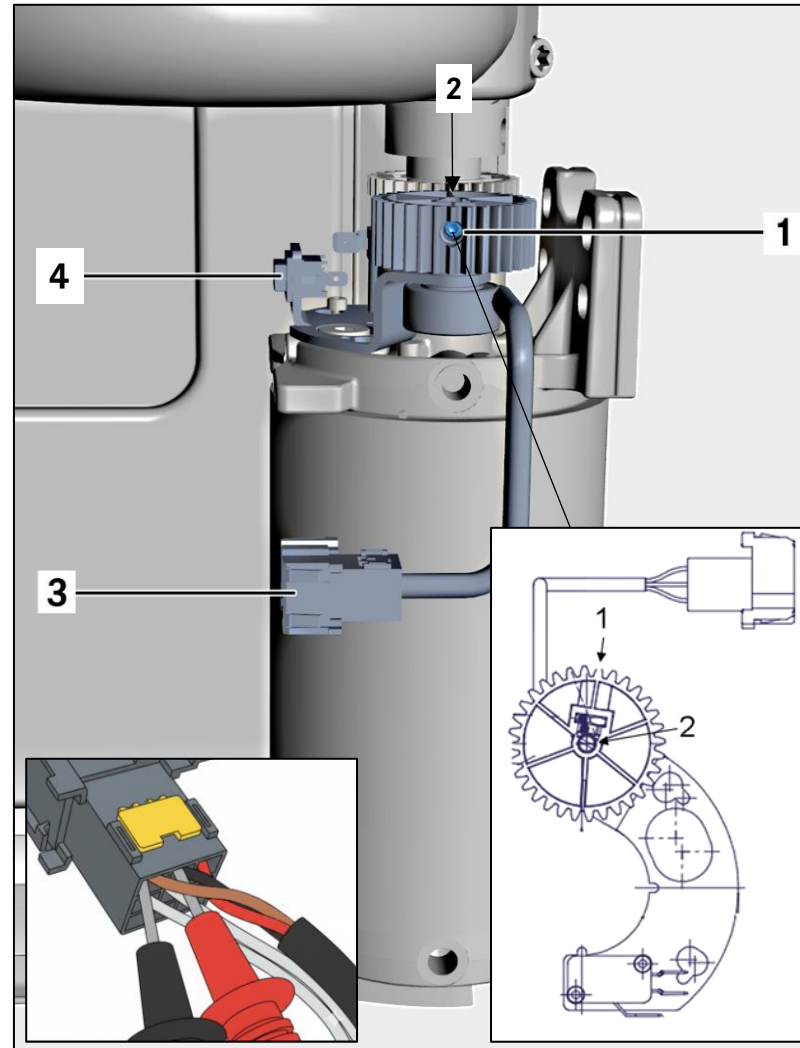
- Remove the cover and loosen the clamping screw [1] and rotate the shaft [2] from above with a screwdriver.
- Measure the potentiometer voltage by connecting the voltmeter to connector housing [3]. The voltage should be between 1.5 and 2 volts when door is closed.

❑ **Note:** it is also possible to utilize the Xentry Diagnostic machine to measure the voltage.

❑ **Note:** After each adjustment of the potentiometer or renewal of the door control module (DCM) the 'Teaching Process' must be carried out.

Potentiometer – Teaching Process

- Set potentiometer to door closed at between 1.7 and 2V (open at $\leq 13.5V$.)
- Activate the workshop switch [4] next to center console OBD port. A red icon on the dash cluster (ICUC) will read 'door is in learning mode'
- Teach the door by pressing and holding the workshop switch [5] during the full opening **and** closing operation until the door reaches the end positions and then hold for 3sec.
- When completed, deactivate the workshop switch [4].



DCM Door Valve (MTS II) – Basics & Adjustment

The DCM Door Valve controls airflow to the door and you can adjust how fast the door opens and closes. It's located behind a black vented cover in the stairwell of the passenger door.

Adjusting speed of door open/close functions, you can turn the dampener screws with a flathead pocket screwdriver:

- **Door opening dampener** [6]: controls opening speed.
- **Door closing dampener** [7]: controls closing speed.

❑ **Note:** Start with quarter and half turns until you reach speed of ~6sec to full open and ~6sec to full close after pressing the door control switch/button.

