

VOLKSWAGEN

Group Motorsport

 **Audi Sport**
customer racing

 **CUPRA**
R A C I N G

Volkswagen Motorsport
Customer Racing



Brake system MQB TCR

Application to:

- VAG cars with Sequential gear box
- VAG cars with DSG gear box

TN_VAG_10/ 2018

/ Bed in procedure

Bed in: What for?

- Transfer a layer of friction material onto disc
- Mechanically align the pad surface with the disc surface for full contact patch
- Boil off volatile elements to have the unavoidable green fading in non-competitive sessions



Bed in: Preparation

- Try to use one used against one new material: e.g. Used pad against new disc
- If both parts are new, start with disc bed in → for Pagid discs and pads the procedure is the same!
- After bed in procedure on track slow in lap without applying brake

/ Bed in procedure

Bed in: Procedure

Brake in for optimum contact patch

- 10 Stops low pressure, low heat, 150 to 80 km/h
- Distance between stops 600 to 800 m

Heat up for core heat in the whole system

- 5 stops with medium to high pressure from 180 to 60 km/h
- Maximum acceleration in between stops
- After last stop 3 minutes cool down at 100 km/h

Recovery stops

- 5 stops with low pressure from 150 to 80 km/h
- Distance between stops 600 to 800 m
- Cool down lap afterwards

/ Pads compatibility

Compatibility matrix of pad transfer layer

	RST 1	RST 2	RST 3	RST 4	RST 5
RST 1	✓				
RST 2	✓	✓			
RST 3			✓		
RST 4	✓	✓		✓	
RST 5	✓	✓		✓	✓

- RSL range not compatible with RST range.
- In case of compatibility between 2 given compounds (e.g. RSL range between each other): a new set of RSL pads can be run on a disc already used with any of the RSL pad compounds.
- In case of incompatibility between 2 given compounds (e.g. RSL and RST ranges): a new set of RSL pads can only be run on a new disc or a disc pre-bedded with a compound of the RSL pad range.

	RSL 1	RSL 2	RSL 19	RSL 29
RSL 1	✓			
RSL 2	✓	✓		
RSL 19	✓	✓	✓	
RSL 29	✓	✓	✓	✓

/ Instalation matrix

Instalation matrix:

		MASTER FRONT			
		17.8	19.1	20.6	22.2
MASTER REAR	17.8	NO	NO	NO	NO
	19.1	NO	NO	NO	NO
	20.6	OK	OK	OK	NO
	22.2	OK *	OK	OK	NO

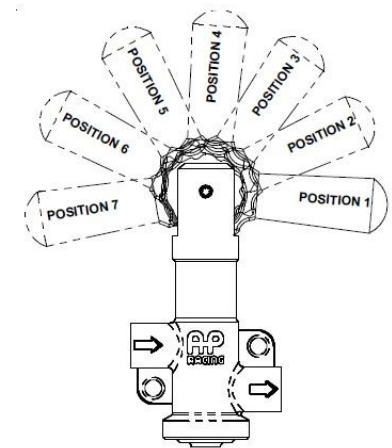
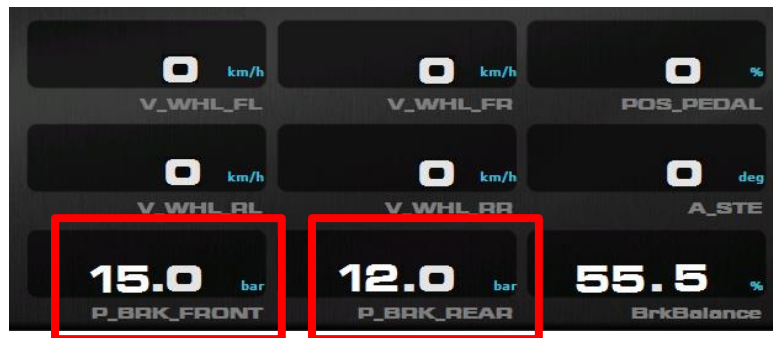
***Only for ABS USE**

/ Brake balance set up information

To adjust the brake balance it is recommended to follow the next steps:

1- Set rear brake proportioning valve on position 7, where it is fully open, and to ensure that the hand brake is not locked.

2-Set the desired balance (Standard balance 40bar front/ 25bar rear) turning the yellow wheel on the main console. Remember not to press the brake pedal while turning the wheel.



3-Set rear brake proportioning valve on position on the desired position (Standard Position : 3).

4- For wet condition set bias to 40 bar front – 40 bar rear