

VOLKSWAGEN

Group Motorsport



Volkswagen
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TN 2017 VAG 07 MXG brake bias

Application to:

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

TN_VAG_07_17_brake_bias_configuration

Issue

Dear customer:

We have spotted a firmware bug which causes the given brake bias value to be the opposite as it should. The shown value is the rear % instead of being the front one.

If we take a look at the pressure values we will see that they don't match the percentage value. There is an example in the picture here below:



If this is the case, the math channels in RS3 configuration must be changed. Proceed as shown in the next page.

TN_VAG_07_17_brake_bias_configuration

Solution

Open the configuration double-clicking on it and then go to "Math Channels tab"

1. Click on the "gear icon" on the right side of "BrkBalance" row, then on "Edit Selected Match Channel"
2. Swap "First Channel" and "Second Channel" values as shown in the picture.
3. Save the values
4. Save the configuration
5. Transmit the configuration to the datalogger

Note: Remember to revert this once the bug has been fixed in future firmware updates.

The image shows a screenshot of a configuration software interface. At the top, there are buttons for 'Save', 'Save As', 'Close', and 'Transmit'. Below these are tabs for 'Channels', 'ECU Stream', 'CAN2 Stream', 'Math Channels', 'Parameters', 'Shift Lights and Alarms', 'Trigger Commands', 'Display', 'SmartyCam Stream', 'CAN Expansions', and 'CAN Output'. The 'Math Channels' tab is active, showing a table of math channels. The table has columns for ID (2/2), Name, Function, Unit, and Freq. The 'BrkBalance' channel is selected, and a gear icon is visible on the right side of the row. A red circle with the number '1' points to this gear icon. Below the table are buttons for 'Edit Selected Math Channel' and 'Delete Selected Math Channel'. A red circle with the number '4' points to the 'Save' button at the top left, and a red circle with the number '5' points to the 'Transmit' button at the top right. Below the table, there are two 'Mathematical Channel Settings' dialog boxes. The left dialog box shows the 'BrkBalance' channel settings, with the 'First Channel' set to 'P_BRK_FRONT' and the 'Second Channel' set to 'P_BRK_REAR'. A red circle with the number '2' points to the 'First Channel' dropdown. The right dialog box shows the same settings, but the 'First Channel' is now 'P_BRK_REAR' and the 'Second Channel' is 'P_BRK_FRONT'. A red circle with the number '3' points to the 'Save' button at the bottom right of the right dialog box. A large grey arrow points from the left dialog box to the right dialog box, indicating the change in channel settings.