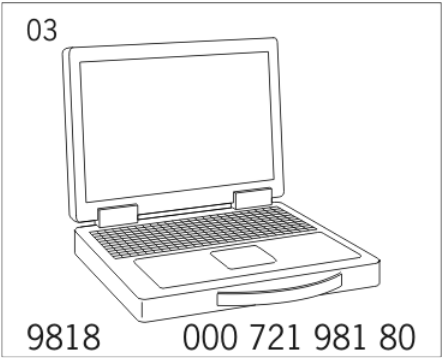


The present document was valid at the time of print. A later version may be available online

## WM 4400TW Adjustment values for suspension alignment

### Tools

Designation	Type	Number	Description	
PIWIS Tester II	Special tool	9818		

### Vehicle height



#### Information

- The following values relate to the empty weight, i.e. full fuel tank, vehicle with tools, but without driver and without additional weights!

#### Vehicle height up to 2008 model

Vehicle height	Boxster and Cayman RoW/USA: Standard	Boxster and Cayman RoW/USA: PASM
<b>Front axle</b>		
Height with 17-inch wheels	Control value: 143 +/- 10 mm	Control value: 133 +/- 10 mm
Height with 18-inch wheels	Control value: 138 +/- 10 mm	Control value: 128 +/- 10 mm
Height with 19-inch wheels	Control value: 142 +/- 10 mm	Control value: 132 +/- 10 mm
From road contact surface to lower edge of hexagon-head bolt of cross-member screw connection to the body.		
<b>Rear axle</b>		
Height with 17-inch wheels	Control value: 151 +/- 10 mm	Control value: 141 +/- 10 mm
Height with 18-inch wheels	Control value: 155 +/- 10 mm	Control value: 145 +/- 10 mm
Height with 19-inch wheels	Control value: 155 +/- 10 mm	Control value: 145 +/- 10 mm
From wheel contact area up to lower edge of diagonal brace (at control arm fastening point).		

#### Vehicle height as of 2009 model

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Vehicle height	Boxster and Cayman RoW/USA: Standard	Boxster and Cayman RoW/USA: PASM	Boxster Spyder (Boxster R)/Cayman R RoW/USA: Performance
<b>Front axle</b>			
Height with 17-inch wheels	Control value: 141 +/- 10 mm	Control value: 131 +/- 10 mm	—
Height with 18-inch wheels	Control value: 139 +/- 10 mm	Control value: 129 +/- 10 mm	Control value: 119 +/- 10 mm
Height with 19-inch wheels	Control value: 140 +/- 10 mm	Control value: 130 +/- 10 mm	Control value: 120 +/- 10 mm
From road contact surface to lower edge of hexagon-head bolt of cross-member screw connection to the body.			
<b>Rear axle</b>			
Height with 17-inch wheels	Control value: 150 +/- 10 mm	Control value: 140 +/- 10 mm	—
Height with 18-inch wheels	Control value: 152 +/- 10 mm	Control value: 142 +/- 10 mm	Control value: 132 +/- 10 mm
Height with 19-inch wheels	Control value: 153 +/- 10 mm	Control value: 143 +/- 10 mm	Control value: 133 +/- 10 mm
From wheel contact area up to lower edge of diagonal brace (at control arm fastening point).			

## Wheel alignment values



### WARNING

#### Steering-angle sensor not calibrated or calibrated incorrectly

- Unexpected vehicle handling
- Steering-angle sensor does not function
- Malfunction in steering-angle sensor

- After working on wheel suspension parts, when replacing the steering-angle sensor and after changing the wheel alignment values, calibrate the steering-angle sensor using **PIWIS Tester II 9818**.
- Keep the front wheels in straight-ahead position on the measuring platform during calibration.
- On vehicles with electromechanical steering, also re-teach the electric steering lock settings.



### Information

- **The values also apply from model year 2009 onwards.**
- *The following values relate to the empty weight, i.e. full fuel tank, vehicle with tools but without driver or additional weights.*
- *The toe-difference angle value is also influenced by the vehicle height. For this reason the measured result must be evaluated accordingly. No action is necessary in the case of small deviations from the toe-difference*

angle's required value as long as the value to the right and left is almost the same.

Wheel alignment values	Boxster and Cayman RoW/USA: Standard	Boxster and Cayman RoW/USA: PASM	Boxster Spyder (Boxster R)/Cayman R RoW/USA: Performance
<b>Front axle</b>			
Toe unpressed (total)	+ 5' ± 5'	+ 5' ± 5'	+ 5' ± 5'
Toe difference angle at 20° lock	- 1° 40' ± 30'	- 1° 50' ± 30'	- 1° 50' ± 30'
Camber (with wheels in straight-ahead position)	- 10' ± 15'	- 15' ± 15'	- 45' ± 15'
max. difference, left to right	20'	20'	20'
Caster	8° 00' + 30'/- 45'	8° 00' + 30'/- 45'	8° 00' + 30'/- 45'
max. difference, left to right	40'	40'	40'
<b>Rear axle</b>			
Toe per wheel	+ 5' ± 5'	+ 5' ± 5'	+ 5' ± 5'
max. difference, left to right	10'	10'	10'
Camber	- 1° 20' ± 15'	- 1° 30' ± 15'	- 1° 50' ± 15' Cayman R = - 1° 50' +25'/-5'
max. difference, left to right	20'	20'	20'

987110, 987111, 987120, 987121, 987130, 987140, 987141, 987160, 987161, 987180, 987181, 987310, 987311, 987320, 987321, 987330, 987340, 987350, 987360, 987361, 987371, 987381, 987720, 987721, 987740, 987741, 987760, 987761, 987780, 987781

Model year as of 2005

C00, C02, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C32, C33, C34, C35, C36, C37, C38, C39, C41, C45, C45, C46, C96, C97, C98, C99