


**PI 2029**

For technical personnel only!

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# PRODUCT INFORMATION

## LARGER PISTON INSTALLATION CLEARANCE

Some engine manufacturers have significantly increased the piston installation clearance on certain engines, thereby bucking the trend of making the piston installation clearance ever smaller. In some cases, this only applies to specific engine versions within an engine range.

The aim of doing this is to reduce the friction values within the engine. In combination with thinner engine oils, smoother honing and a lower piston ring tension, as well as a suitable design for the entire engine, the objective is lower fuel consumption and thus lower emissions.



The table shows example pistons with a larger piston installation clearance:

Manufacturer	Engine	Piston installation clearance [mm]	Item no.
Mercedes-Benz	OM 651	0.14	41 712 600
	OM 651	0.12	41 711 600
	OM 651	0.10	41 716 600
Volkswagen	2.0 TFSI	0.09	41 501 600
	2.0 TFSI	0.09	41 477 600
	1.8 TFSI	0.075	41 197 600

All content including pictures and diagrams is subject to change. For assignment and replacement, refer to the current catalogues or systems based on TecAlliance.



Motorservice offers all these pistons with the piston installation clearances specified by the series-production suppliers.