



DAYCO AFTERMARKET SERVICE INFORMATION

Subject: Introducing BMW/MINI-PSA Prince
engine new codes

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As OE supplier of the **BMW/MINI-PSA Prince 1.4/1.6L 4 cyl. gasoline engine FEAD components**, Dayco introduces in its aftermarket range the following new references:

DESCRIPTION	DAYCO AM	OES PSA	OES BMW/MINI
NEW Switchable Friction Wheel	APV3627	120455	11287598832
NEW Not Switchable Friction Wheel	APV3628	120456	11287598833
NEW Water pump pulley	APV2978	120459	11517619020
NEW accessory kit	KPV282	/	11282444363
NEW accessory kit	KPV283	/	11282444339
NEW accessory kit	KPV284	1611627180	/

The Dayco Friction Wheel is a component engineered to transfer the power from the crankshaft pulley to the water pump pulley.

The most important advantage of the Friction Wheel is the ability of engaging the water pump on demand through an electro mechanic actuator.

The actuator, controlled by an ECU (through an electrical signal), can activate when needed the WP from the belt drive mechanical power supply.

When the engine is cold the coolant doesn't circulate until the engine has reached normal operating temperature of 103°C as the water pump is disengaged: this allows a faster heating up of the engine, a reduction of the fuel consumption (fuel saving potential is of approximately 1%) and the pollution of exhaust gas according to EURO5 emission limits. An additional positive aspect is due to the saving of mechanical losses during the disconnected phase.

Moreover, a faster heating of passenger compartment is achieved increasing the passengers comfort in cold season.

Dayco is the OE supplier of the entire Friction Wheel system which includes water pump pulley, tensioner, poly-v belt and friction wheel.

The difference between Switchable and Not Switchable Friction Wheel is related to the electrical control of the movement: SFW is activated by an electrical device and the NSF is not as the water pump works continuously as in a standard engine.

Thanks to these new part numbers Dayco offers to the market the complete range of Prince engine FEAD components.

Along with the new refs. here below the list of the other FEAD parts already available in the AM range.



DESCRIPTION	DAYCO AM	OES PSA	OES BMW/ MINI
Poly V (ALT+ AC) AC pulley Ø 119	6PK905S	5750RG	11287566789
Tensioner single arm	APV2465	1611425480	11287571015
Water pump	DP286	9801573380	11517648827
Stretchy Poly-V (ALT)	6PK684EE	5750YN	11287568073
Poly-V (ALT+ AC) AC pulley Ø 110	6PK895DT	V760401480	11287604014
Accessory KIT	KPV222	1611279180	/
Damper	DPV1101	V763855180	11237638551

The Dayco Friction Wheel is protected by Patents SB20 IT1344118, SB32 CN101151476B, SB32 EP1696151, SB43 CN101027825B, SB43 EP1787379, SB43 WO2006005737A1, SB61 IT269635U

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