



Brand of **NTN Group**

THE SNR RANGE FOR THE 1.2 ENGINE PURETECH



The widest range on the market for the Puretech engine!



- **KD459.70 / KD459.71**

Distribution kit

- **KD459.70J**

Valve timing kit
with crankshaft seal



- **WPEA022**

Auxiliary electric water pump
Turbo cooling



- **WPEA041**

Auxiliary electric water pump
Turbo cooling



TUTORIAL



How to replace the timing belt
on the 1.2L Puretech engine?



- **KA859.72**

Auxiliary belt and Turbo seals
Green oil dipstick



- **KA859.70**

Auxiliary belt and Turbo seals
Yellow/orange dipstick



- **KA859.71**

Auxiliary belt and ATMO seals



- **KAP859.471**

Belt and water pump for THP



- **KAP859.470**

Belt and water pump for Vti



- **KA859.47**

Auxiliary kit: tensioner + belt

DISTRIBUTION KIT

KD459.70



Standard version

Distribution kit

KD459.70J



Valve timing kit with crankshaft seal

The crankshaft seal must be replaced and cannot be reused.

KD459.71



The difference is the torque of the tension spring

Dedicated to the first generation of EB Turbo engines, which had a higher torque.

What is a «belt in oil»?

The 1.2-litre PureTech engine, like the 1.0-litre EcoBoost, uses an 'in-oil' or 'wet' timing belt. This system was developed to replace the traditional metal timing chain. The wet belt is designed to resist oil and high temperatures and operates inside the engine block, where it's constantly exposed to oil. Wet belt systems are a relatively new concept, made possible by advances in belt technology.

TOOL OFFER



OM3797

Synchronisation kit



Save time

This kit will allow you to adjust the timing on the Turbo engines only, without having to dismantle multiple parts

OM4142

Tool for fitting the crankshaft seal



When changing the crankshaft seal, use the appropriate tools!

It is important to avoid oil leak problems and protect the crankshaft seal during assembly process

SET OF SEALS

The gasket set must be chosen according to the colour of the dip stick tube Yellow, Orange or Green. SNR offers three versions to ensure the perfect fit.

ATMO

KA859.71

Auxiliary belt and ATMO seals



CA3SPK576	1	Auxiliary belt	9675874180
Seal set	1	Set of seals, cylinder, cylinder head cover	96 778 553 80
	1	Crank shaft seal, crankshaft, seal ring	11 11 7 568 264
	1	Gasket, Intake manifold	16 087 337 80
	1	Rocker box cover gasket	16 095 876 80 / 9814639380

NEW

KA859.70

Auxiliary belt + TURBO seals

  Yellow/orange dipstick



KA859.72

Auxiliary belt + TURBO seals

 Green dipstick



TURBO

CA3SPK576	1	Auxiliary belt	9675874180
Seal set	1	Seal, timing case	16 095 876 80 / 9814639380
	1	Crankshaft shim	11 11 7 568 264
	1	Rocker box cover gasket	98 025 959 80

CA3SPK576	1	Auxiliary belt	9675874180
Seal set	1	Seal, timing case	16 095 876 80 / 9814639380
	1	Crankshaft shim	11 11 7 568 264
	1	Rocker box cover gasket	98 176 433 80

AUXILIARY SYSTEM - Kit, pulley and belt

Accessory belt kit

KA859.46

This kit contains an **accessory belt (CA6PK1042)** and a **tensioner (GA359.39)** for replacing the accessory system that drives the alternator.



Accessory belt

CA3SPK576

This is the belt that drives the water pump. Always check the condition of the water pump and replace it if necessary. **The pump is available in kit KAP859.470 and KAP859.471.** This belt is replaced when the timing system is changed, as it is cut during the removal process.



MECHANICAL WATER PUMP

The coolant is circulated by a conventional mechanical water pump driven by the crankshaft via an accessory belt (CA3SPK576).

There are 2 versions of the mechanical pump on the Puretech 1.2 engine:

OE: 9803442480



6 rotor blade pumps

OE : 9803094380



10 rotor blade pumps

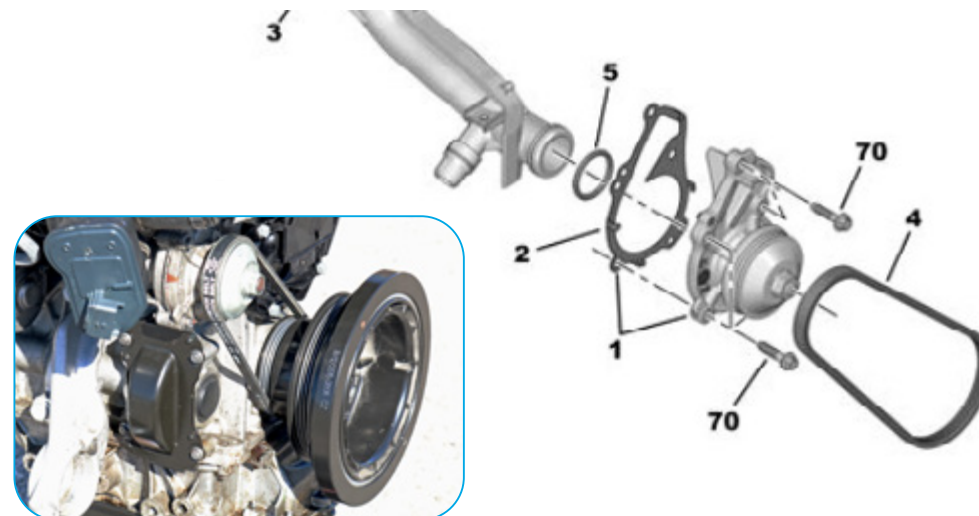
KAP859.470

For VTi



KAP859.471

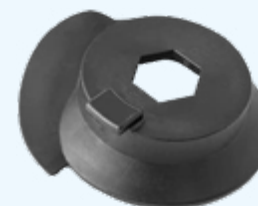
For THP



TOOL OFFER

OM4058

Tool for removing and fitting the elastic belt



Use the correct tool to change the belt that is specially designed to install belts on 3-cylinder PSA engines

CLAS
GARAGE SOLUTIONS

ADDITIONAL ELECTRIC PUMP

In addition to the mechanical pump that cools the engine, the Puretech 1.2 engine is equipped with **an auxiliary electric water pump** to improve turbo temperature management.



Two versions of electric pump are available for the Puretech 1.2 engine:

WPE041

9814099080



WPEA022

9807341480





Appli- cation	Range of products	Ref. SNR	Applications	Motorisation
Accessories	Accessory kit + pump	KAP859.470	CITROEN : C1, C3, C4, C-Elysee • DS : Ds3 • OPEL : Corsa, Crossland x • PEUGEOT : 108, 2008, 208, 301, 308	1.2i
		KAP859.471	CITROEN : Berlingo, C3, C4, C5 • DS : Ds3, Ds4, Ds7 • PEUGEOT : 2008, 208, 3008, 308, 5008, 508, Partner, Rifter	1.2i - 1.2i Turbo - 1.2i Turbo Fap
	Accessory kit	KA859.71	CITROEN : C1, C3, C4, C-Elysee • DS : Ds3 • OPEL : Corsa, Crossland x • PEUGEOT : 108, 2008, 208, 301, 308	1.0i - 1.2i
		KA859.70	CITROEN : Berlingo, C3, C4 • DS : Ds3, Ds4 • PEUGEOT : 2008, 208, 3008, 308, 5008, 508, Partner	1.2i Turbo - 1.2i Turbo Fap
		KA859.72	CITROEN : Berlingo, C3, C4 • DS : Ds3, Ds4 • PEUGEOT : 2008, 208, 3008, 308, 408, 5008, 508, Partner, Rifter	1.2i - 1.2i Turbo - 1.2i Turbo Fap
		KA859.47	PEUGEOT : 208, 308, 301, 2008 • CITROEN : C3 , DS3, C-Elysée, C4 Cactus • DS : DS3	1.2 Vti
Distribution	Distribution kit	KD459.70 KD459.70J	VAUXHALL : GRANDLAND X / GRANDLAND (A18), CROSSLAND X / CROSSLAND (P17), CORSA Mk V (F), COMBO Mk IV (E) Life (K9), ASTRA Mk VIII (L) Sports Tourer • PEUGEOT : RIFTER, PARTNER TEPEE, PARTNER Box Body/MPV (K9), 5008 II (MC_, MJ_, MR_, M4_), 5008 (0U_, 0E_), 308 SW II (LC_, LJ_, LR_, LX_, L4_), 308 II (LB_, LP_, LW_, LH_, L3_), 301, 3008 SUV (MC_, MR_, MJ_, M4_), 3008 MPV (0U_), 208 II (UB_, UP_, UW_, UJ_), 208 I (CA_, CC_), 208 Hatchback Van (CR_), 2008 I (CU_), 108 • OPEL : GRANDLAND / GRANDLAND X (A18, P1UO), CROSSLAND X / CROSSLAND (P17, P2QO), CORSA F, CORSA E (X15), COMBO E Tour / Life (K9), ASTRA L Sports Tourer • DS : DS 7 Crossback (J_), DS 4 / DS 4 CROSSBACK (NX_), DS 3 Convertible (SB_), DS 3 CROSSBACK (UR_, UC_, UJ_), DS 3 (SA_) • CITROËN : GRAND C4 SPACETOURER (3A_, 3E_), DS3 Convertible, DS3 (SA_), C5 AIRCROSS (A_), C4 SPACETOURER (3D_), C4 PICASSO II, C4 II (NC_), C4 GRAND PICASSO II (DA_, DE_), C4 CACTUS, C3 PICASSO (SH_), C3 III (SX), C3 II (SC_), C3 AIRCROSS II (2R_, 2C_), C1 II (PA_, PS_), C-ELYSEE (DD_), BERLINGO MULTISPACE (B9), BERLINGO Box Body/MPV (K9), BERLINGO (ER_, EC_)	1.2 VTi 75 1.2 PureTech 130 1.2 PureTech 82 1.2 THP 110 1.5 BlueHDI 120 1.2 PureTech 155 1.6 Turbo Hybrid 1.6 BlueHDI 100
		KD459.71	PEUGEOT : 308 SW II , 308 II , 3008 MPV , 208 I , 2008 I • DS : DS 3 Convertible , DS 3 • CITROËN : DS4 , DS3 Convertible, DS3 , C4 PICASSO II, C4 II , C4 GRAND PICASSO II , C4 CACTUS, C3 PICASSO , C3 III , C3 II	1.2 THP, 1.2 e-THP
	Electric water pump	WPEA041	VAUXHALL : GRANDLAND X / GRANDLAND (A18), ASTRA Mk VIII (L) Sports Tourer • PEUGEOT : RIFTER, PARTNER Box Body/MPV (K9), 308 SW II (LC_, LJ_, LR_, LX_, L4_), 308 II (LB_, LP_, LW_, LH_, L3_), 3008 SUV (MC_, MR_, MJ_, M4_), 208 II (UB_, UP_, UW_, UJ_), 208 I (CA_, CC_), 2008 I (CU_) • OPEL : GRANDLAND / GRANDLAND X (A18, P1UO), ASTRA L Sports Tourer • DS : DS 7 Crossback (J_), DS 3 CROSSBACK (UR_, UC_, UJ_) • CITROËN : GRAND C4 SPACETOURER (3A_, 3E_), C4 SPACETOURER (3D_), C4 CACTUS, C3 III (SX), BERLINGO Box Body/MPV (K9), BERLINGO (ER_, EC_)	1.2 1.6 Turbo Hybrid 1.2 Turbo e-Rifter 1.2 THP 110 1.2 PureTech 110 1.5 BlueHDI 100 1.6 Turbo Hybrid4 PureTech 110 1.2 PureTech 155 1.2 THP / PureTech 130 1.2 PureTech 100 1.2 PureTech 130 e-Berlingo 1.5 BlueHDI 100 1.2 THP 130 PureTech 130 1.2 THP 110 / PureTech 110
		WPEA022	CITROEN : BERLINGO II, C3 AIRCROSS I, C3 II , C4 CACTUS (E3), C4 II (B71) , C4 PICASSO II, GRAND C4 PICASSO II, GRAND C4 SPACETOURER • DS : DS3 I, DS4 I • PEUGEOT : 2008 I, 208 I, 3008 II, 308 II, 5008 II, PARTNER II, PARTNER II FOURGON • OPEL : CROSSLAND X, GRANDLAND X	1.2i 110 12V Turbo AV 1.2i 130 12V Turbo

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