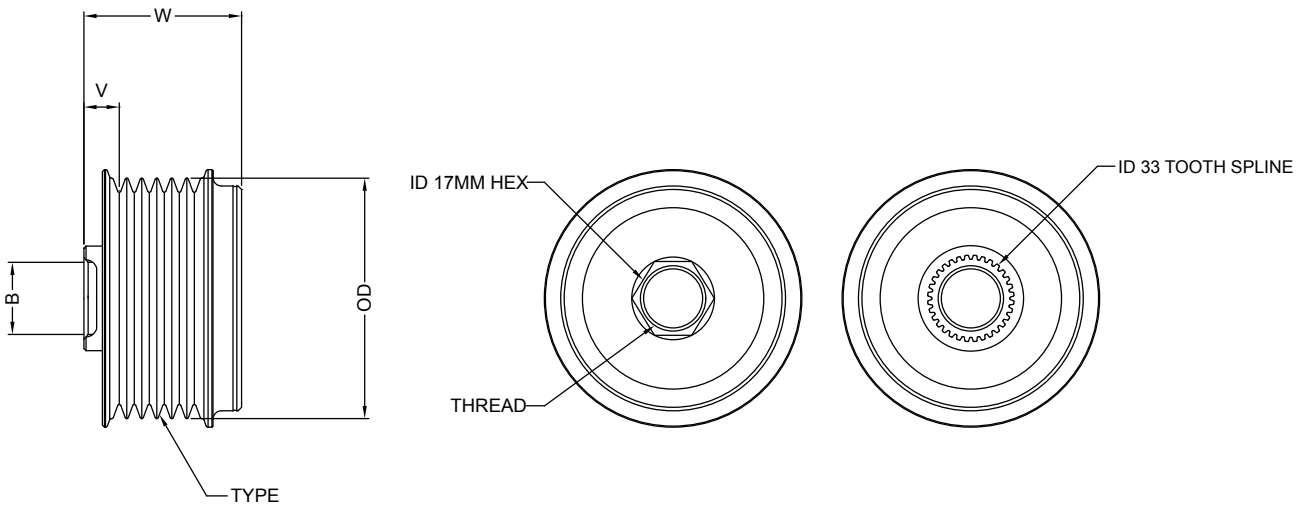
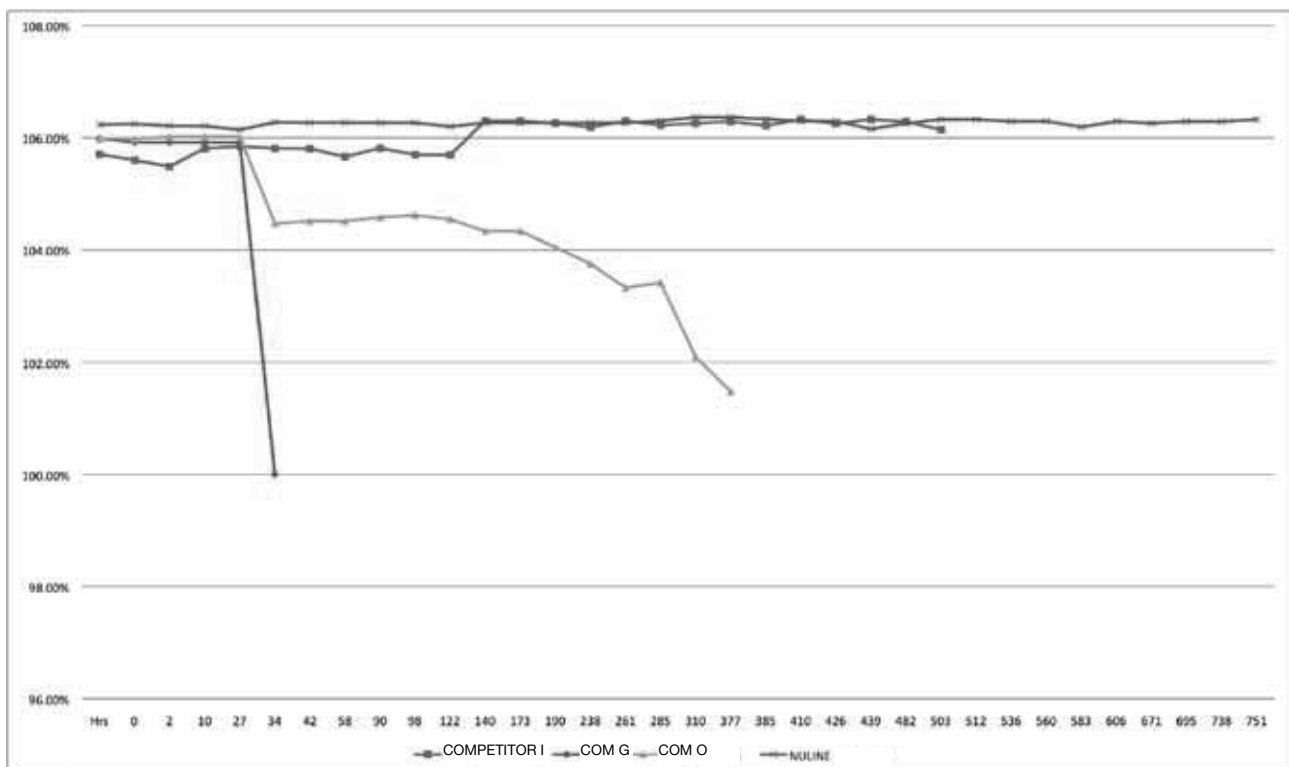


HOW TO READ THIS CATALOGUE

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
ALFA ROMEO (Manufacturer)									
147 (Model)									
11/02-11	4	1.9L	937A5.000	Turbo Diesel	OAP075		DENSO 105A, 120A	46782213 60816954	OAPT001 / KIT



COMPETITOR PERFORMANCE COMPARISON



NULINE OVERRUNNING ALTERNATOR PULLEYS

Overrunning alternator pulleys are becoming increasingly popular on late model petrol and diesel engines, due to the increasing drive belt speed and engine vibration fluctuations. An overrunning alternator pulley is used to smooth out rotational irregularities on the alternator, which is caused from rapid acceleration, deceleration and even shut off.

During normal operating conditions these alternator pulleys can be rotating up to 18,000rpm and with major RPM fluctuations unit failure can lead to belt noise, vehicle vibrations and also alternator or drive belt failure.

Nuline have developed a heavy duty replacement clutch pulley to disengage the alternator so it free spins during rotational irregularities.

How does the Nuline overrunning alternator pulley work?

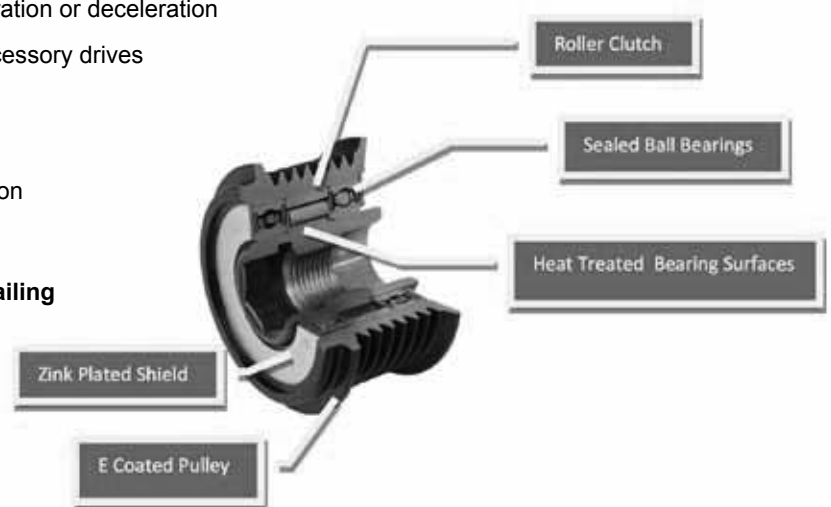
When the Nuline overrunning alternator pulley is rotated in the normal operating direction it connects to the alternator working as a normal pulley. But during deceleration the pulley disconnects from the alternator shaft, allowing the alternator to free spin. This is done by a special one way bearing that is mounted inside the Nuline overrunning alternator pulley.

Advantages of using a Nuline overrunning alternator pulley

- Heavy duty designed for long service life
- Dampens drive belt vibration
- Reduced belt slippage during rapid acceleration or deceleration
- Reduced stress on drive belt and other accessory drives
- Increased alternator and drive belt life
- Reduction of drive belt noise
- Improvement in variation of drive belt tension

Signs of an overrunning alternator pulley failing

- Unusual drive belt noises
- Unusual vehicle vibrations
- Steering shudder
- Alternator not charging battery



Checking the overrunning alternator pulley

- Remove drive belt
- Check pulley for chips, dents or damage to belt grooves
- Check for excessive bearing movement
- Rotate Alternator pulley in normal operation direction, pulley should lock up and turn alternator shaft
- Rotate alternator pulley in opposite direction, it should spin freely without the alternator shaft moving
- Rotate the pulley in the free spin direction, it should feel smooth not rough

If any of the above failure signs appear replace with a heavy duty Nuline overrunning alternator pulley.

OVERRUNNING ALTERNATOR PULLEY REMOVAL/INSTALLATION TOOL KITS

Overrunning alternator pulleys are impossible to remove from the alternator without specific tools to do the job.

Nuline have the answer with each kit containing all the necessary tools needed to remove and fit a new pulley. Made from the highest quality materials our Alternator tools can be used with hand ratchets or impact rattle guns. These kits feature interchangeable components to work on almost all vehicles and come in a very handy moulded carry case.

Nuline Overrunning alternator installation tools are a must have for any mechanic or DIY professional.



OAPTK001
13 PIECE TOOL KIT

- T50 x 113mm Combination Socket
- M10 x 113mm Combination Socket
- 15mm Hex 33 Teeth Spline
- 22mm Hex 33 Teeth Spline
- 21mm x 17mm Hex
- 15mm Hex 4 Pin
- 1/2" Drive Socket
- 10mm X 75mm
- T40,T50,M8,M10,H8,H10



OAPTK002
22 PIECE TOOL KIT

- T50 x 113mm Combination Socket
- M10 x 113mm Combination Socket
- 15mm Hex 33 Teeth Spline
- 22mm Hex 33 Teeth Spline
- 15MM Hex 33 Teeth Fine Spline
- 22mm Hex 33 Teeth Spline
- 22mm Hex
- 17mm Hex
- 28mm X 22mm Hex
- 38mm Hex 3 Pin
- 17mm Hex 4 Pin
- 1/2" Drive Socket
- 10mm X 75mm T40,T50,M8,M10,H8,H10
- 110mm X M10 1/2" Drive Socket
- 28mm X 21mm Hex
- 64mm X M10 X 12mm Hex
- Hexagonal Nut 28mm X 19mm
- 3/8"Drive X 90mm X M10 Socket

RATTLE GUN REMOVAL TOOLS

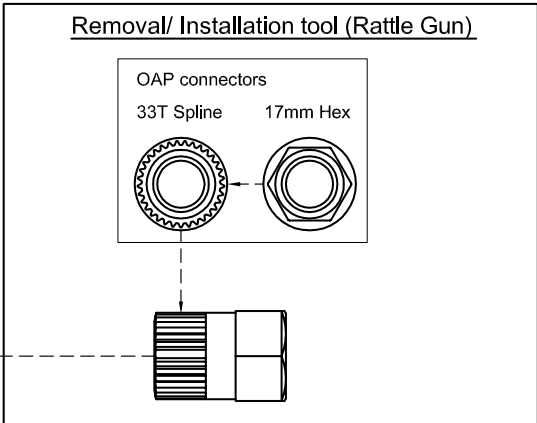
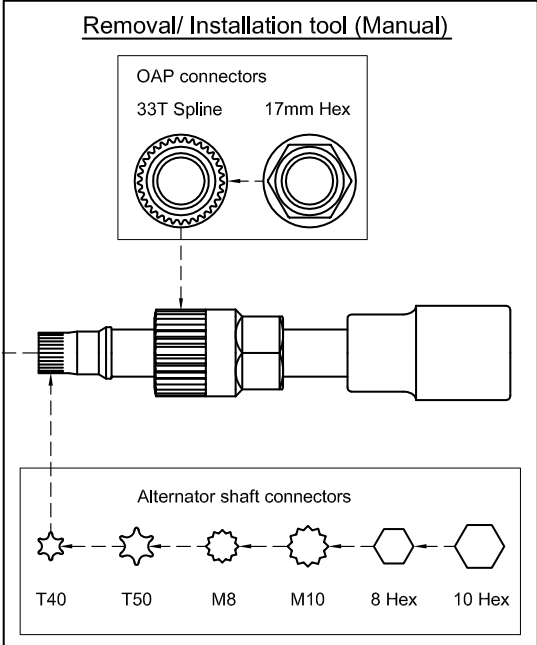
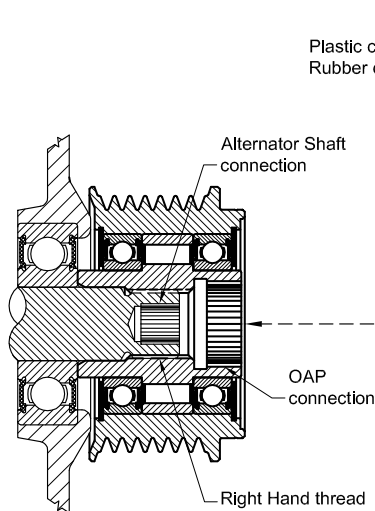


OAPT001
33 TOOTH SPLINE



OAPT002
17MM HEX

OAP INSTALLATION INSTRUCTIONS



Removal instructions

- 1) Remove cap or cover (if applicable).
- 2) Select correct tool (OAP & Alternator shaft connection).
- 3) Engage tool in the Alternator shaft & OAP.
- 4) Whilst undoing the OAP prevent the rotation of the shaft (Right hand thread).

Installation instructions

- 1) Screw new OAP onto the alternator by hand.
- 2) With the correct tools tighten the OAP to the OEM torque specification or to 90Nm (65ftlb)
- 3) Fit the new cap or cover if applicable.

NULINE OVERRUNNING ALTERNATOR PULLEYS

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
ALFA ROMEO									
147									
11/02-11	4	1.9L	937A5.000	Turbo Diesel	OAP075		DENSO 105A, 120A	46782213 60816954	OAPT001 / KIT
159									
9/05-12	4	1.9L	939A2.000	Turbo Diesel	OAP057		DENSO 100A, 120A	51764265 51793678	OAPT001 / KIT
9/05-12	4	1.9L	939A2.000	Turbo Diesel	OAP075		DENSO 120A, 140A	73503235 73501591	OAPT001 / KIT
9/05-12	5	2.4L	939A3.000	Turbo Diesel	OAP064		DENSO 150A	50500728	OAPT001 / KIT
AUDI									
A3									
9/96-8/00	4	1.6L	AEH, AKL, APF	Petrol	OAP022		BOSCH		OAPT001 / KIT
5/03-11	4	1.6L	BSE	Petrol	OAP022		BOSCH 110A, 140A / VALEO 90A 110A, 140A	06F903023D 06F903023E	OAPT001 / KIT
9/96-01	4	1.8L	AGN	Petrol	OAP022		BOSCH / HI-TACHI / VALEO 120A	028903028E 028903029G 038903023S	OAPT001 / KIT
9/96-00	4	1.8L	AGU	Turbo, Petrol	OAP022		BOSCH 70A, 90A	028903028C	OAPT001 / KIT
11/06-09	4	1.8L	BZB	Petrol	OAP076		BOSCH / VALEO 140A	06B903016AB 06D903016AB	OAPT001 / KIT
7/08-09	4	2.0L	CAWB 147KW	Petrol	OAP076		BOSCH / VALEO 140A	06B903016AB 06D903016A	OAPT001 / KIT
7/03-1/09	V6	3.2L	BDB, BUB	Petrol	OAP022		BOSCH / VALEO 140A	06F903023F 06F903023C 06F903023P	OAPT001 / KIT
TT INC QUATTRO, ROADSTER									
10/98-06/06	4	1.8L	AJQ, APP, APX, ARY, AUM AUQ, BAM	Turbo Petrol	OAP022		BOSCH / HI-TACHI / VALEO 120A	028903028E 028903029G 038903023S	OAPT001 / KIT
9/05-6/06	4	1.8L	BVP 120KW, BVR 140KW	Turbo Petrol	OAP022		BOSCH / HI-TACHI / VALEO 120A	02890328E 028903029G 038903023S	OAPT001 / KIT
6/08-11	4	1.8L	CDA A 118KW	Turbo Petrol	OAP076		BOSCH 140A	06B903016AB	OAPT001 / KIT
10/06-10	4	2.0L	BWA, CCZA 147KW	Turbo Petrol	OAP022		BOSCH / VALEO 140A	06F903023F 06F903023C	OAPT001 / KIT
6/08-11	4	2.0L	CB B B 125KW	Turbo Diesel	OAP022		BOSCH / VALEO 140A	06F903023F 06F903023C	OAPT001 / KIT
5/08-11	4	2.0L	CDL	Turbo Petrol	OAP022		BOSCH / VALEO 140A	06F903023F 06F903023C	OAPT001 / KIT
5/10-11	4	2.0L	CES	Turbo Petrol	OAP076		VALEO 140A	06H90303017E	OAPT001 / KIT
7/03-6/06	V6	3.2L	BHE, BPF	Petrol	OAP022		BOSCH / VALEO 120A	028903028E 038903023S	OAPT001 / KIT
10/06-1/10	V6	3.2L	BUB 184KW	Petrol	OAP022		BOSCH / VALEO 140A	06F903023F 06F903023C	OAPT001 / KIT
BMW									
118i E87									
9/04-2/07	4	2.0L	N46B20 95KW	Petrol	OAP048		BOSCH 110A	12317533268	OAPT001 / KIT
9/04-2/07	4	2.0L	N46B20 95KW	Petrol	OAP049		BOSCH 150A	12317532966	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
BMW (cont)									
120i E87									
9/04-12	4	2.0L	N46B20 110kw	Petrol	OAP048		BOSCH 110A	12317533268	OAPT001 / KIT
9/04-12	4	2.0L	N46B20 110kw	Petrol	OAP049		BOSCH 150A	12317532966	OAPT001 / KIT
125i E88 COUPE / CONVERTIBLE									
10/07-08	6	3.0L	N52B30A 160KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
10/07-08	6	3.0L	N52B30A 160KW	Petrol	OAP066		BOSCH 180A	12317542351	OAPT001 / KIT
130i E87									
9/05-10/10	6	3.0L	N52B30 195kw	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
9/05-10/10	6	3.0L	N52B30 195kw	Petrol	OAP031		VALEO		OAPT001 / KIT
9/05-10/10	6	3.0L	N52B30 195kw	Petrol	OAP066		BOSCH 180A	12317542351	OAPT001 / KIT
318i, 318Ci E46 COMPACT									
9/01-05	4	2.0L	N42B20, N46B20 105KW	Petrol	OAP048		BOSCH 110A	12317533268	OAPT001 / KIT
9/01-05	4	2.0L	N42B20, N46B20,105KW	Petrol	OAP049		BOSCH 120A	12317516101	OAPT001 / KIT
9/01-05	4	2.0L	N42B20, N46B20,105KW	Petrol	OAP031		VALEO 90A,110A, 120A, 140A		OAPT001 / KIT
320i E90									
1/05-11	4	2.0L	N46B20A 115-125KW	Petrol	OAP048		BOSCH 180A	12317532965	OAPT001 / KIT
320i TOURING E90									
1/05-11	4	2.0L	N46B20	Petrol	OAP049		BOSCH 150A	12317532965	OAPT001 / KIT
323i COUPE, TOURING E90									
1/05-11	6	2.5L	N52B25A, N52B25AF	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
1/05-11	6	2.5L	N52B25,N52B25A, N52B25C 160KW	Petrol	OAP031		VALEO		OAPT001 / KIT
325i E90 COUPE / CONVERTIBLE									
1/05-11	6	2.5L	N52B25,N52B25A, N52B25C 160KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
1/05-11	6	2.5L	N52B25,N52B25A, N52B25C 160KW	Petrol	OAP031		VALEO		OAPT001 / KIT
330i E90									
1/05-08	6	3.0L	N52B30, N52B30A 190KW	Petrol	OAP031		VALEO		OAPT001 / KIT
1/05-08	6	3.0L	N52B30, N52B30A 190KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
335i E90 COUPE, CONVERTIBLE, TOURING									
9/06-12	6	3.0L	N54B30A N55B30A 200-255KW	Petrol	OAP066		BOSCH 180A	12317542351	OAPT001 / KIT
525i E60									
7/05-08	6	2.5L	N52B25, N52B25A 160KW	Petrol	OAP031		VALEO		OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
BMW (cont)									
525i E60 (cont)									
7/05-08	6	2.5L	N52B25, N52B25A 160KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
530i INC TOURING									
7/05-08	6	3.0L	N52B30, N52B30A 190KW	Petrol	OAP031		VALEO		OAPT001 / KIT
7/05-08	6	3.0L	N52B30, N52B30A 190KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
X3 E83									
9/06-08	6	2.5L	N52B25A 160-200KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
9/06-08	6	3.0L	N52B25A 160-200KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
X5 E70									
2/07-11	6	3.0L	N52B30, N52B30AF 200KW	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
2/07-11	6	3.0L	N52B30, N52B30AF 200KW	Petrol	OAP066		BOSCH 180A	12317542351	OAPT001 / KIT
Z4 E85									
1/06-07	6	2.5L	N52B25A	Petrol	OAP049		BOSCH 150A	12317550967	OAPT001 / KIT
CITROEN									
BERLINGO VAN									
2009-11	4	1.6L	DV6ATED4	Diesel	OAP034		VALEO 150A, 180A	5702H4	OAPT001 / KIT
2009-11	4	1.6L	DV6ATED4	Diesel	OAP035		BOSCH 150A	124525035	OAPT001 / KIT
C3									
2/09-11	4	1.6L	DV6ATED4	Diesel	OAP035		BOSCH 150A	0124525035	OAPT001 / KIT
2/09-11	4	1.6L	DV6ATED4	Diesel	OAP034		VALEO 150A	5702H4	OAPT001 / KIT
C4									
11/04-11	4	1.6L	DV6TED4 80KW	Diesel	OAP034		VALEO 150A	TG15C118	OAPT001 / KIT
C5									
6/01-8/04	4	2.0L	DW10ATED	Diesel	OAP035		BOSCH 150A	0124525035	OAPT001 / KIT
2/08-11	4	2.0L	DW10BTED4	Diesel	OAP034		VALEO 180A	5705AX	OAPT001 / KIT
2/08-11	4	2.0L	DW10BTED4	Diesel	OAP063		MITSUBISHI 180A	A004TJ0084	OAPT001 / KIT
DISPATCH									
2008-11	4	2.0L	DW10UTED4	Turbo Diesel	OAP034		VALEO 150A	TG15C020 TG15C028	OAPT001 / KIT
2008-11	4	2.0L	DW10UTED4	Turbo Diesel	OAP035		BOSCH 150A	0124525035	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
CHRYSLER									
GRAND VOYAGER									
2008-11	4	2.8L		Diesel	OAP027				OAPT002 / KIT
2001-04	V6	3.3L	1U, 2U	Petrol	OAP009	04861506AD	DENSO	04868430AB	OAPT002 / KIT
DODGE									
NITRO KA									
2007-09	4	2.8L		Diesel	OAP027			K04801338AB	OAPT002 / KIT
FIAT									
500									
9/09-11	4	1.3L	169A1000	Diesel	OAP067		VALEO 90A, 105A	46823547	OAPT001 / KIT
DUCATO II									
7/06-11	4	2.3L	F1AE0481D	Turbo Diesel	OAP068		BOSCH 140A	504009978	OAPT001 / KIT
SCUDO									
1/07-11	4	2.0L	RHK	Diesel	OAP035		BOSCH 150A	9646065480	OAPT001 / KIT
1/07-11	4	2.0L	RHK	Diesel	OAP034		VALEO 150A	71733552	OAPT001 / KIT
PUNTO									
10/09-11	4	1.3L	199A3.000	Diesel	OAP067		VALEO 90A, 105A	51784845 51784846	OAPT001 / KIT
FORD									
FALCON AU INC VCT, RETRO FIT - REMOVE OLD PRESS METAL PULLEY AND REPLACE WITH OAP									
9/98-9/02	6	4.0L	H, Y	Petrol	OAP079				OAPT001 / KIT
FALCON BA INC XR6, FPV F6 TYPHOON, RETRO FIT - REMOVE OLD PRESS METAL PULLEY AND REPLACE WITH OAP									
2002-05	6	4.0L	BARRA 182	Petrol	OAP079				OAPT001 / KIT
FALCON BA INC LTD									
2002-05	V8	5.4L	BARRA 220 BOSS 260	Petrol	OAP047			3L7410300AA 3L7Z10346AA	OAPT001 / KIT
FALCON BF INC XR8, FPV GT									
2005-08	V8	5.4L	BARRA 230 BOSS 260	Petrol	OAP047			3L7410300AA 3L7Z10346AA	OAPT001 / KIT
FALCON FG									
2008-10	V8	5.4L	BOSS 290	Petrol	OAP047				OAPT001 / KIT
FOCUS									
5/05-3/09	4	2.0L	A0DB 107KW	Petrol	OAP021		VISTEON 110A	5S4T10300BA	OAPT001 / KIT
MONDEO									
3/07-11	4	2.0L	AZABA	Turbo Diesel	OAP035		BOSCH 150A, 156A	6G910300ADA	OAPT001 / KIT
3/07-11	5	2.5L	HUBA	Turbo Petrol	OAP037		BOSCH 180A	121715008	OAPT001 / KIT
TRANSIT									
1/00-05/06	4	2.4L	D2FA,D4FA	Turbo Diesel	OAP061		BOSCH 110A	2C1T10300BA	OAPT001 / KIT
1/00-05/06	4	2.4L	D2FA,D4FA	Turbo Diesel	OAP062		VISTEON 110A	600120404	OAPT001 / KIT
7/06-11	4	2.4L	H9FB, H9FD	Turbo Diesel	OAP077		BOSCH 156A	0121615003	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
HOLDEN									
ASTRA AH									
3/05-09	4	1.9L	Z19T, Z19DTH	Turbo Diesel	OAP075		DENSO 100A, 120A, 130A	93180098 93180102 93180104	OAPT001 / KIT
3/05-09	4	1.9L	Z19T, Z19DTH	Turbo Diesel	OAP071		BOSCH 120A, 140A	93191921 93191922	OAPT001 / KIT
ASTRA TS									
1998-04	4	1.8L	Z18XE20	Petrol	OAP016	93185744			OAPT001 / KIT
CAPTIVA									
2007-11	4	2L	Z20S1	Diesel	OAP004	93743440	BOSCH	96866018	OAPT001 / KIT
COMMODORE VS, VT, VY, VX RETRO FIT - REMOVE OLD PRESS METAL PULLEY AND REPLACE WITH OAP									
4/95-8/04	V6	3.8L	VH, VA	Petrol	OAP078		BOSCH		OAPT001 / KIT
9/97-8/04	V6	3.8L	VT VX VY Supercharged	Petrol	OAP078		BOSCH		OAPT001 / KIT
COMMODORE VT, VY, VX, VZ RETRO FIT - REMOVE OLD PRESS METAL PULLEY AND REPLACE WITH OAP									
6/99-7/06	V8	5.7L	LS1	Petrol	OAP019		MITSUBISHI		OAPT001 / KIT
COMMODORE VZ									
2006	V8	6.0L	L76	Petrol	OAP019	92148677	MITSUBISHI		OAPT001 / KIT
COMMODORE VE									
9/10-11	V6	3.0L	LFI	Petrol	OAP025		MITSUBISHI	92230902	OAPT001 / KIT
9/10-11	V6	3.6L	LLT	Petrol	OAP025		MITSUBISHI	92230902	OAPT001 / KIT
2009-10	V8	6.0L	L98, L76	Petrol	OAP026		MITSUBISHI	92191127	OAPT001 / KIT
CRUZE									
9/10-11	4	1.8L		Petrol	OAP018	96868420			OAPT001 / KIT
5/10-11	4	2.0L		Diesel	OAP018	96868420			OAPT001 / KIT
EPICA									
2007-2010	4	2.0L	Z20S1	Diesel	OAP004	93743440	BOSCH	96866018	OAPT001 / KIT
VECTRA ZC									
2003-05	4	2.2L	Z22SE	Petrol	OAP030	93172295			OAPT001 / KIT
STATESMAN VS, WH, WK, WL RETRO FIT - REMOVE OLD PRESS METAL PULLEY AND REPLACE WITH OAP									
4/95-8/04	V6	3.8L	VH, VA	Petrol	OAP078		BOSCH		OAPT001 / KIT
6/99-7/06	V8	5.7L	VF	Petrol	OAP019		MITSUBISHI		OAPT001 / KIT
2006	V8	6.0L		Petrol	OAP019		MITSUBISHI		OAPT001 / KIT
HYUNDAI									
i20 Overseas Market									
4/09-11	4	1.4L		Diesel	OAP005	373222A110	VALEO 120A	373002A050	OAPT001 / KIT
i30									
2007-11	4	1.6L	D4FB	Diesel	OAP005	373222A110	VALEO 120A	373002A110	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
HYUNDAI (cont)									
iX35									
11/09-11	4	2.0L	D4HA	Petrol	OAP020	3732125201			OAPT001 / KIT
12/09-11	4	2.0L	G4KD	Diesel	OAP017	373222F000			OAPT001 / KIT
11/09-11	4	2.4L	G4KG	Petrol	OAP020	3732125201			OAPT001 / KIT
i45									
2/10-11	4	2.4L	G4KJ	Petrol	OAP020	3732125201			OAPT001 / KIT
iLOAD									
2/08-11	4	2.5L	D4CB	Turbo Diesel	OAP044		DENSO	373004A310	OAPT001 / KIT
iMAX									
2011	4	2.5L	D4CB	Turbo Diesel	OAP044		DENSO	373004A310	OAPT001 / KIT
SANTA FE									
3/06-9/09	4	2.2L	D4EB	Diesel	OAP001	3732227012	POONG SUNG 120A	3730027013	OAPT001 / KIT
10/09-11	4	2.2L	D4HB	Diesel	OAP017	373222F000			OAPT001 / KIT
SONATA									
2005	4	2.4L	NF	Petrol	OAP020	3732125201			OAPT001 / KIT
1/08-11	4	2.4L	NF	Petrol	OAP020	3732125201			OAPT001 / KIT
TERRACAN									
9/04-10/06	4	2.9L	J3	Diesel	OAP029	373214X301	MANDO 110A	373004X500	OAPT001 / KIT
JEEP									
CHEROKEE KJ									
2003-07	4	2.8L	4W100001, 5W100100	Turbo Diesel	OAP027	53013554AF	DENSO 110A	563041578AE	OAPT002 / KIT
CHEROKEE KK									
5/08-11	4	2.8L	22B	Turbo Diesel	OAP027		DENSO 110A	K04804338AB	OAPT002 / KIT
GRAND CHEROKEE WG									
2002-04	5	2.7L		Turbo Diesel	OAP007	K05175811AA			OAPT001 / KIT
GRAND CHEROKEE WH									
6/05-10		3.0L	160KW	Turbo Diesel	OAP007	K05175811AA			OAPT001 / KIT
COMMANDER XH									
2005-10		3.0L		Diesel	OAP007	K05175811AA			OAPT001 / KIT
WRANGLER JK									
2007-08	4	2.8L		Turbo Diesel	OAP027			K04804338AB	OAPT002 / KIT
KIA									
CERATO									
2010-11	4	2.0L		Petrol	OAP020	3732125201			OAPT001 / KIT
SORENTO									
11/09-11	4	2.2L		Diesel	OAP017	373222F000			OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
KIA (cont)									
SPORTAGE									
2010-11	4	2.0L		Petrol	OAP020	3732125201			OAPT001 / KIT
LANDROVER									
DEFENDER									
5/07-11	4	2.4L	244DT	Turbo Diesel	OAP077		BOSCH 156A	0121615003	OAPT001 / KIT
FREELANDER 2									
10/06-11	V6	3.2L	B6324S	Petrol	OAP060		BOSCH 150A	0121615011	OAPT001 / KIT
LEXUS									
IS250									
4/06-11	4	2.5L	4GRFSE	Petrol	OAP013	274150W130			OAPT001 / KIT
IS300									
4/06-11	4	2.5L	4GRFSE	Petrol	OAP013	274150W130			OAPT001 / KIT
RX300									
1/06-11/08	V6	3.5L	2GRFE	Petrol	OAP013	274150W010			OAPT001 / KIT
RX330									
1/06-11/08	V6	3.5L	2GRFE	Petrol	OAP013	274150W010			OAPT001 / KIT
RX350									
1/06-11/08	V6	3.5L	2GRFE	Petrol	OAP013	274150W010			OAPT001 / KIT
MAZDA									
3									
2007-11	4	2.0L		Diesel	OAP024	RF5C18330A			OAPT001 / KIT
2007-11	4	2.2L	MZR-CD	Turbo Diesel	OAP045		MITSUBISHI 110A	R2AA18300A	OAPT001 / KIT
6									
2002-07	4	1.8L		Petrol	OAP011	LF1818330	MELCO 90A	LF1818300	OAPT001 / KIT
2002-07	4	1.8L		Petrol	OAP051		120A , 150A		OAPT001 / KIT
2002-07	4	2.0L		Petrol	OAP011	LF1818330	MELCO 90A	LF1818300	OAPT001 / KIT
2002-07	4	2.0L		Petrol	OAP051		120A , 150A		OAPT001 / KIT
2002-07	4	2.0L	RFC5, RF7J	Diesel	OAP045		MITSUBISHI 90A	RF8G18330	OAPT001 / KIT
2009-11	4	2.2L	MRZ-CD	Turbo Diesel	OAP045		MITSUBISHI 110A	R2AA18300A	OAPT001 / KIT
2002-07	4	2.3L		Petrol	OAP011	LF1818330	MELCO 90A	LF1818300	OAPT001 / KIT
2002-07	4	2.3L		Petrol	OAP051		120A , 150A		OAPT001 / KIT
CX7									
2009-11	4	2.2L		Diesel	OAP024	RF-5C18330A			OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
MERCEDES									
B200 245									
3/05-08	4	2.0L	M266.960	Petrol	OAP074		VALEO 90A, 115A		OAPT001 / KIT
3/05-08	4	2.0L	M266.980	Turbo Petrol	OAP074		VALEO 90A, 115A		OAPT001 / KIT
B180 245									
3/05-08	4	2.0L	OM640.940	Turbo Diesel	OAP065		VALEO 140A		OAPT001 / KIT
C250 W202									
5/93-05/00	5	2.5L	OM605.910	Diesel	OAP054		BOSCH/VALEO 70A		OAPT001 / KIT
6/96-03/01	5	2.5L	OM605.960	Turbo Diesel	OAP054		BOSCH/ VALEO 90A		OAPT001 / KIT
C220 Cdi W203									
05/00-07/07	4	2.2L	OM611.962 105KW	Diesel	OAP072		DELPHI 190A	0001501750 0001541750	OAPT001 / KIT
C180 KOMPRESSOR W203 SEDAN, WAGON, COUPE									
5/02-11/07	4	1.8L	271946-30 105-120KW	Petrol	OAP039		BOSCH / VALEO 120A	2711540802 2711540902	OAPT001 / KIT
C200 KOMPRESSOR W203									
5/02-11/07	4	2.0L	271940-30	SC, Petrol	OAP039	A6111550315	BOSCH / VALEO 120A	2711540802	OAPT001 / KIT
C230 KOMPRESSOR W203									
5/02-4/05	4	1.8L	M271.948 141KW	Petrol	OAP039		BOSCH / VALEO 120A	2711540802 2711540902	OAPT001 / KIT
CLK 200 KOMPRESSOR									
9/02-08	4	1.8L	M271.940 120KW	SC, Petrol	OAP039		BOSCH / VALEO 120A	2711540802 2711540902	OAPT001 / KIT
E270 Cdi W210									
7/99-03/02	5	2.7L	OM612.961 125KW	Turbo Diesel	OAP072		BOSCH 150A	0001540650	OAPT001 / KIT
7/99-3/02	5	2.7L	OM612.961 125KW	Turbo Diesel	OAP007		BOSCH 120A	0101549602	OAPT001 / KIT
E300 W210									
12/96-7/99	6	3.0L	OM606.962 130KW	Turbo Diesel	OAP050		BOSCH 90A, 115A	0101544802 0101549402	OAPT001 / KIT
E200 W211									
8/02-7/06	4	1.8L	271941-30	SC, Petrol	OAP039		BOSCH 150A	2711541002	OAPT001 / KIT
E270 Cdi W211									
03/02-9/06	5	2.7L	OM647.961 130KW	Turbo Diesel	OAP040		BOSCH 200A	0121549802	OAPT001 / KIT
E280 Cdi W211									
03/05-9/06	V6	3.0L	OM642.920 140KW	Turbo Diesel	OAP041		BOSCH 180A	0131547002	OAPT001 / KIT
E320 Cdi W211									
3/05-9/06	V6	3.0L	OM642.920	Turbo Diesel	OAP041		BOSCH 180A	0131547002	OAPT001 / KIT
GL 320 Cdi X164									
9/06-09	V6	3.0L	OM642940 165KW	Turbo Diesel	OAP041		BOSCH 220A	0141541302	OAPT001 / KIT
ML270 Cdi W163									
12/99-06/05	5	2.7L	OM612.963 120KW	Turbo Diesel	OAP072		DELPHI 150A	0001500550	OAPT001 / KIT
ML 280 Cdi S164									
7/05-08	V6	3.0L	OM642.940 140KW	Turbo Diesel	OAP041		BOSCH 220A	0141540902	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
MERCEDES (cont)									
ML 320 Cdi S164									
7/05-08	V6	3.0L	ON642.940 165KW	Turbo Diesel	OAP041		BOSCH 220A	0141541302	OAPT001 / KIT
SLK200 R171									
3/04-12/10	4	1.8L	271944-30 271954-30	SC, Petrol	OAP039				OAPT001 / KIT
SPRINTER									
4/00-5/06	4	2.1L	OM611.981 95KW OM611.987 60KW	Turbo Diesel	OAP007		BOSCH 90A, 115A	A0131541702	OAPT001 / KIT
6/06-11	4	2.2L	OM646.984 65KW OM646.985 80KW OM646.986 110KW	Turbo Diesel	OAP007		BOSCH 90A, 120A, 200A	A6461540002	OAPT001 / KIT
VIANO W639									
7/05-11	4	2.2L	OM646.982 110KW	Turbo Diesel	OAP052		VALEO 180A	6461540102	OAPT001 / KIT
7/05-11	4	2.2L	OM646.982 110KW	Turbo Diesel	OAP007		BOSCH 90A, 120A, 200A	6461540002 0141542702 0131541002	OAPT001 / KIT
VITO VAN									
03/99-7/03	4	2.2L	OM611.980 95KW	Turbo Diesel	OAP007		BOSCH 90A, 120A	0121542202 0121545402	OAPT001 / KIT
9/03-11	4	2.1L	OM646.980 65KW OM646.982 110KW	Turbo Diesel	OAP007		BOSCH 200A	131541002	OAPT001 / KIT
MITSUBISHI									
ASX									
6/10-11	4	2.0L	4B11	Petrol	OAP011	1800A061	MELCO	1800A053	OAPT001 / KIT
LANCER									
2007-11	4	2.0L	4B11	Petrol	OAP011	1800A061	MELCO 120A, 130A	1800A053 1800A121 A1800A155	OAPT001 / KIT
OUTLANDER									
8/10-11	4	2.4L	4B12	Petrol	OAP011	1800A061	MELCO 120A, 130A	1800A053 1800A121 A1800A155	OAPT001 / KIT
NISSAN									
DUALIS									
2007-10	4	2.0L	MR20	Petrol	OAP012	23151JD20A			OAPT001 / KIT
NAVARA D22									
2001-06	4	3.0L	ZD30	Turbo Diesel	OAP014	231502W20A	HITACHI	231005S900	OAPT001 / KIT
NAVARA D40									
1/05-3/08	4	2.5L	YD25	Turbo Diesel	OAP006	23100EB31A	MITSUBISHI	23100EB301	OAPT002 / KIT
4/08-10	4	2.5L	YD25	Turbo Diesel	OAP015	23151EB301	MITSUBISHI	23100EB30A	OAPT001 / KIT
PATHFINDER									
4/08-10	4	2.5L	YD25	Turbo Diesel	OAP015	23151EB301	MITSUBISHI		OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
NISSAN (cont)									
PATROL									
1/07-11	4	3.0L	ZD30	Turbo Diesel	OAP014	231502W20B	HITACHI 70A, 90A		OAPT001 / KIT
TIIDA									
2006-10	4	1.8L	MR18	Petrol	OAP012	231502W20B	MITSUBISHI 120A	23100EM10B	OAPT001 / KIT
X TRAIL									
2008-10	4	2.0L	M9R	Turbo Diesel	OAP003	23100JG71A	MITSUBISHI 210A	23100JG71A	OAPT001 / KIT
6/07-11	4	2.0L	MR20	Petrol	OAP012		MITSUBISHI 120A	231001FC1A	OAPT001 / KIT
11/02-11	4	2.5L	QR25DE	Petrol	OAP002	231516N20B	HITACHI	23100AU400	OAPT001 / KIT
PEUGEOT									
207									
2/06-08	4	1.6L	9HZ	Diesel	OAP034		VALEO 150A	5702H4	OAPT001 / KIT
306									
6/99-4/02	4	2.0L	RFV	Diesel	OAP033		MITSUBISHI / VALEO 150A	57054F	OAPT001 / KIT
6/99-4/02	4	2.0L	DW10TD	Diesel	OAP035		BOSCH 150A	0124525035	OAPT001 / KIT
307									
10/01-2/08	4	1.6L	TU5JP4	Diesel	OAP034		VALEO 150A	5702H4	OAPT001 / KIT
2003-2/08	4	2.0L	DW10TD	Diesel	OAP035		BOSCH 150A	0124525035	OAPT001 / KIT
308									
9/07-2010	4	1.6L	DV6TED4	Diesel	OAP034		VALEO 150A	5702H4	OAPT001 / KIT
3008									
6/09-11	4	1.6L	EP6DT	Diesel	OAP034		VALEO 150A	5702H4	OAPT001 / KIT
407									
5/04-11	4	2.0L	DW10BTED4	Diesel	OAP034		VALEO 150A, 180A	5702H4 5705AX	OAPT001 / KIT
EXPERT VAN									
1/07-11	4	2.0L	DW10BTED4 DW10UTED4	Diesel	OAP034		VALEO 150A, 180A	5702H4 5705AX	OAPT001 / KIT
PARTNER VAN									
4/08-11	4	1.6L	DV6ATED4 DV6TED4	Diesel	OAP034		VALEO 150A	5702H4	OAPT001 / KIT
RENAULT									
TRAFIC VAN									
2004-11	4	1.9L	F9Q760 5 Groove Pulley	Turbo Diesel	OAP046		VALEO 120A	SG12B050	OAPT001 / KIT
2004-11	4	1.9L	F9Q760 6 Groove Pulley	Turbo Diesel	OAP042		VALEO 120A	TG12B017	OAPT001 / KIT
8/06-11	4	2.0L	M9R780	Diesel	OAP059		VALEO 150A	TG15C058	OAPT001 / KIT
SAAB									
9-3									
9/02-11	4	2.0L	B207L, B207E, B207R	Turbo, Petrol	OAP030		BOSCH 120A	12757363	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
SAAB (cont)									
9-5									
1/06-09	4	1.9L	Z19DTH	Turbo Diesel	OAP057		DENSO 140A	12759595	OAPT001 / KIT
SKODA									
OCTAVIA INC RS, SCOUT									
2/04-11	4	2.0L	BKD, BMM, BXE	Turbo Diesel	OAP022		BOSCH / VALEO 110A, 140A	06F903023D 06F903023E	OAPT001 / KIT
ROOMSTER									
9/06-10	4	1.9L	BSW	Turbo Diesel	OAP022		BOSCH / VALEO 70A, 110A	038903023K 038903023Q 045903023H	OAPT001 / KIT
SSANGYONG									
KYRON									
5/05-09	5	2.7L	OM665.950	Turbo Diesel	OAP073		DELPHI 150A		OAPT001 / KIT
REXTON									
8/04-11	5	2.7L	RX270XDi 120KW	Turbo Diesel	OAP073		DELPHI 150A		OAPT001 / KIT
STAVIC									
2/05-11	5	2.7L	270sXDi	Turbo Diesel	OAP073		DELPHI 150A		OAPT001 / KIT
SUZUKI									
GRAND VITARA									
3/98-08	4	2.0L	J20A	Petrol	OAP038		VALEO 150A	3140068D01	OAPT001 / KIT
TOYOTA									
AURION									
2006-11	V6	3.5L	2GRFE	Petrol	OAP013	274150W130	Denso 100A	2706031080	OAPT001 / KIT
CAMRY									
10/06-10	V6	3.5L	2GRFE	Petrol	OAP013	274150W130	Denso 100A		OAPT001 / KIT
COROLLA									
2007-2010	4	1.8L	2ZRFE	Petrol	OAP009		Denso	2706037011	OAPT002 / KIT
FJ CRUISER									
11/10-11	V6	4.0L	1GRFE	Petrol	OAP013	274150W130	Denso		OAPT001 / KIT
HIACE									
2005-11	4	2.7L	2TRFE	Petrol	OAP013	274150W010	Denso		OAPT001 / KIT
1/05-11	4	3.0L	1KDFTV	Turbo Diesel	OAP058	2741530010	Denso		OAPT002 / KIT
1/05-9/06	4	3.0L	2KDFTV	Turbo Diesel	OAP058	2741530010	Denso 70A, 80A	3706030030 2706030040	OAPT002 / KIT
HIGHLANDER									
5/07-6/10	V6	3.5L	2GRFE	Petrol	OAP013	274150W130	Denso		OAPT001 / KIT
HILUX									
2005-11	4	3.0L	1KDFTV	Turbo Diesel	OAP008	274150L030	Denso	270600L022	OAPT002 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
TOYOTA (cont)									
KLUGER									
5/07-6/10	V6	3.5L	2GRFE	Petrol	OAP013	274150W130	Denso 130A, 150A		OAPT001 / KIT
LANDCRUISER PRADO									
8/06-11	4	3.0L	1KDFTV	Turbo Diesel	OAP008	2741530010	Denso		OAPT002 / KIT
PREVIA									
2/09-11	4	2.4L	2AZFE	Petrol	OAP010	274150W040	Denso		OAPT002 / KIT
11/06-11/08	V6	3.5L	2GRFE	Petrol	OAP013	274150W130	Denso		OAPT001 / KIT
RAV4									
11/05-10	4	2.4L	2AZFE	Petrol	OAP010	274150W010	Denso	2706028300	OAPT002 / KIT
RUKUS									
3/10-11	4	2.4L	2AZFE	Petrol	OAP010	274150W041	Denso		OAPT002 / KIT
TARAGO									
1/06-11/08	4	2.4L	2AZFE	Petrol	OAP010	274150W041	Denso	2706028340	OAPT002 / KIT
4 RUNNER									
8/09-10	V6	4.0L	1GRFE	Petrol	OAP013	274150W130	Denso 100A, 130A	2706031180	OAPT001 / KIT
VOLKSWAGEN									
AMAROK									
9/10-11	4	2.0L	CDBA 90KW	Diesel	OAP023		BOSCH 110A, 140A	06F903023L	OAPT001 / KIT
9/10-11	4	2.0L	CDCA 120KW	Diesel	OAP023		BOSCH 110A, 140A	06F903023L	OAPT001 / KIT
BEETLE									
6/00-11	4	1.6L	AYD	Petrol	OAP022		BOSCH 120A, HITACHI 120A, VALEO 120A	028903028E 028903029G 038903023S	OAPT001 / KIT
10/99-05	4	1.8L	AWU	Turbo Petrol	OAP022		BOSCH 120A, HITACHI 120A, VALEO 120A	028903028E 028903029G 038903023S	OAPT001 / KIT
7/05-09	4	1.9L	BSW	Turbo Diesel	OAP022		BOSCH 90A, HITACHI 120A, VALEO 90A	038903023L 028903029G 038903023R	OAPT001 / KIT
1/98-08	4	2.0L	AQY	Petrol	OAP022		BOSCH 120A, HITACHI 120A, VALEO 120A	028903028E 028903029G 038903023S	OAPT001 / KIT
BORA									
10/98-10/00	V5	2.3L	AGZ	Petrol	OAP022		BOSCH 70A, 90A, HITACHI 120A, VALEO 70A, 90A	038903023K 028903029G 038903023Q	OAPT001 / KIT
CADDY									
4/04-08	4	1.6L	BGU	Diesel	OAP022		BOSCH 140A	06F903023F	
3/04-10	4	1.9L	BLS, BJB	Diesel	OAP022		BOSCH / VALEO 110A, 140A	06F903023D 06F903023E	OAPT001 / KIT
CRAFTER									
4/06-11	5	2.5L	BJK, B JL, B JM 65-120KW	Diesel	OAP022		BOSCH 110A, 140A	06F903023D	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
VOLKSWAGEN (cont)									
GOLF									
1/04-08	4	1.6L	BGU	Petrol	OAP022		BOSCH / VALEO 140A	06F903023F 06F903023C	OAPT001 / KIT
10/03-1/09	4	1.9L	BKC	Turbo Diesel	OAP022		BOSCH / VALEO 110A	06F903023D 06F903023E	OAPT001 / KIT
2/09-11	4	1.9L	CAYC	Turbo Diesel	OAP022		BOSCH / VALEO 140A	06F903023F 03L903023F	OAPT001 / KIT
1/04-09	4	2.0L	BKC	Turbo Diesel	OAP022		BOSCH / VALEO 110A	06F903023D 06F903023E	OAPT001 / KIT
10/08-11	4	2.0L	CBAB, CBBB	Turbo Diesel	OAP022		BOSCH / VALEO 140A	06F903023F 03L903023F	OAPT001 / KIT
GOLF R32									
9/05-10	V6	3.2L	BUB	Petrol	OAP022		BOSCH / VALEO 110A	06F903023D 06F903023E	OAPT001 / KIT
JETTA									
6/09-11	4	1.6L	CAYC 77KW	Turbo Diesel	OAP022		BOSCH / VALEO 140A	06F903023F 03L903023	OAPT001 / KIT
8/05-11	4	2.0L	BLR, BVY 110KW	Petrol	OAP022		BOSCH 140A	06F903023F	OAPT001 / KIT
10/05-11	4	2.0L	BWA 147KW	Turbo Petrol	OAP022		BOSCH 140A	06F903023F	OAPT001 / KIT
LT									
4/02-7/06	4	2.8L	AUH 116KW	Turbo Diesel	OAP036		BOSCH 90A	0124325088	OAPT001 / KIT
MULTIVAN T5									
02/04-11/09	V6	3.2L	BKK	Petrol	OAP022		BOSCH 120A	028903028E	OAPT001 / KIT
PASSAT									
11/00-05/05	V5	2.3L	AZX	Petrol	OAP022		BOSCH 90A, 120A	071903016C	OAPT001 / KIT
6/08-1/10	4	2.0L	CAWB	Turbo Diesel	OAP076		BOSCH / VALEO 140A	06B903016AB 06D903016A	OAPT001 / KIT
8/09-1/10	4	2.0L	CBAB	Turbo Diesel	OAP022		BOSCH / VALEO 140A	06F903023C	OAPT001 / KIT
3/05-7/08	4	2.0L	BKP, BMR, BMP, CBBB	Turbo Diesel	OAP022		BOSCH / VALEO 140A, 180A	06F903023F 06F903023C	OAPT001 / KIT
POLO									
11/09-11	4	1.2L	CBZB	Turbo Petrol	OAP028		BOSCH 140A / VALEO 110A	03F903023D 03F903023A	OAPT001 / KIT
2003-10	4	1.9L	AXR	Turbo Diesel	OAP022		BOSCH 70A, 90A, 110A, 120A, HITACHI 120A, VALEO 70A, 90A, 120A		OAPT001 / KIT
TIGUAN									
9/07-11	4	2.0L	CBAB	Turbo Diesel	OAP022		BOSCH / VALEO 140A	06F903023F 06F903023C	OAPT001 / KIT
9/07-11	4	2.0L	CAWA, CAWB	Turbo Diesel	OAP076		BOSCH / VALEO 140A	06B903016AB 06D903016A	OAPT001 / KIT
TOUAREG									
1/03-5/10	5	2.5L	BPE	Turbo Diesel	OAP043		BOSCH 150A, 180A		OAPT001 / KIT
10/02-11/06	V6	3.2L	AZZ	Petrol	OAP056		DELPHI / HITACHI 190A	021903026K 021903026N	OAPT001 / KIT
3/06-5/10	V6	3.6L	BHK	Petrol	OAP056				OAPT001 / KIT
10/02-5/10	V10	5.0L	AYH	Turbo Diesel	OAP043		DELPHI / HITACHI 190A		OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
VOLKSWAGEN (cont)									
TRANSPORTER T4									
7/90-4/03	4	2.0L	AAC	Petrol	OAP070		BOSCH 90A	028903025Q	OAPT001 / KIT
7/90-9/98	4	2.4L	AAB	Diesel	OAP070		BOSCH 90A, 100A	074903023C 074903025B	OAPT001 / KIT
TRANSPORTER T5									
4/03-11/09	4	1.9L	AXB, AXC, BRS	Diesel	OAP022		BOSCH 90A	038903023L	OAPT001 / KIT
11/03-09	4	2.0L	AXA	Petrol	OAP022		BOSCH 120A, 140A	038903024F	OAPT001 / KIT
9/09-11	4	2.0L	CFCA	Diesel	OAP023		BOSCH 110A, 180A	06F903023L 03G903023F	OAPT001 / KIT
4/03-11/09	4	2.5L	AXD, AXE, BPC	Turbo Diesel	OAP043		BOSCH 150A, 180A		OAPT001 / KIT
2/04-11/09	V6	3.2L	BKK	Petrol	OAP022		BOSCH 120A	028903028E	OAPT001 / KIT
VOLVO									
850									
1/96-10/97	4	2.3L , 2.5L	B5234T, B5254T	Turbo Petrol	OAP053		BOSCH 100A	9442827	OAPT001 / KIT
C70									
3/97-10/05	5	2.3L	B5234T	Turbo, Petrol	OAP032		BOSCH 120A	8601841	OAPT001 / KIT
2000-02	5	2.4L	B5244T	Turbo, Petrol	OAP032		BOSCH 120A	8601841	OAPT001 / KIT
S60									
7/00-9/02	5	2.3L	B5234T	Turbo, Petrol	OAP032		BOSCH 120A, 140A, 160A	8602276 8602710 8602714	OAPT001 / KIT
11/00-04	5	2.4L	B5244S, B5244T	Turbo, Petrol	OAP032		BOSCH 120A, 140A	8602276 8602710	OAPT001 / KIT
2003-04	5	2.5L	B5254T2, B5254T4	Turbo, Petrol	OAP032		BOSCH 120A, 140A	8602276 8602710	OAPT001 / KIT
S70									
1998-00	5	2.3L	B5254T	Turbo, Petrol	OAP032		BOSCH		OAPT001 / KIT
1/97-11/00	5	2.4L	B5234T	Turbo, Petrol	OAP053		BOSCH 100A	9442827	OAPT001 / KIT
S80									
3/06-11	5	2.4L	D5244T	Turbo Diesel	OAP032		BOSCH 120A, 160A	8603262 8603265	OAPT001 / KIT
3/03-7/06	5	2.5L	B5254T	Turbo Petrol	OAP032		BOSCH 120A, 140A, 160A	8111001 8602712 8603265	OAPT001 / KIT
5/98-7/06	6	2.8L	B6284T	Turbo Petrol	OAP032		BOSCH 120	8111001	OAPT001 / KIT
3/98-7/06	6	2.9L	B6304S, B6294S	Turbo Petrol	OAP032		BOSCH 120A	8111001	OAPT001 / KIT
V40									
7/95-6/04		1.8L	B4184S	Petrol	OAP069		NIPPON DENSO 120A	8601699	OAPT001 / KIT
7/95-6/04	5	2.0L	B4204S	Petrol	OAP069		NIPPON DENSO 120A	8601699	OAPT001 / KIT
7/95-6/04	4	2.0L	B4204T	Turbo Petrol	OAP069		NIPPON DENSO 120A	8601699	OAPT001 / KIT

Year	Cyl.	Litre C.I.D.	Engine Code	Application	Nuline Part no.	Pulley OEM Part No.	Alternator Brand	Alternator OEM No.	Removal Tool
VOLVO (cont)									
V70 Inc Cross Country									
1/97-07	5	2.4L	B5244T, B5244S	Turbo, Petrol	OAP032		BOSCH 120A	8601841 8602276	OAPT001 / KIT
12/02-05	5	2.5L	B5254T	Turbo, Petrol	OAP032		BOSCH 120A, 140A, 160A	8602276 8602710 8602714	OAPT001 / KIT
XC70									
12/05-11	5	2.4L	D5244T	Turbo Diesel	OAP032		BOSCH 140A, 160A	8603262 8603265	OAPT001 / KIT
XC90									
5/06-11	5	2.4L	D5244T	Turbo, Diesel	OAP032		BOSCH 140A, 160A	8603262 8603265	OAPT001 / KIT
10/02-11	5	2.5L	B5254T	Turbo, Petrol	OAP032		BOSCH 140A, 160A	8603262 8602714	OAPT001 / KIT

NULINE OVERRUNNING ALTERNATOR PULLEYS - IMAGES


OAP001

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 60mm
 V 10.9mm ID 17mm
 W 37.3mm THREAD M16


OAP002

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 52.8mm
 V 13.15mm ID 17mm
 W 40.6mm THREAD M16


OAP003

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 49mm
 V 9.91mm ID 17mm
 W 38.5mm THREAD M16


OAP004

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 56mm
 V 5.09mm ID 17mm
 W 36mm THREAD M16


OAP005

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 57mm
 V 18.47mm ID 17mm
 W 41mm THREAD M16


OAP006

BORE 17MM HEX
 TYPE 7PK OD 64.5mm
 V 5.97mm ID 17mm
 W 35.8mm THREAD M17


OAP007

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49.8mm
 V 14.69mm ID 17mm
 W 39mm THREAD M16


OAP008

BORE 17MM HEX
 TYPE 7PK OD 58mm
 V 11.24mm ID 15mm
 W 42.5mm THREAD M14


OAP009

BORE 17MM HEX
 TYPE 6PK OD 55mm
 V 9mm ID 17mm
 W 39.9mm THREAD M14


OAP010

BORE 17MM HEX
 TYPE 7PK OD 55.3mm
 V 9mm ID 17mm
 W 40.6mm THREAD M14


OAP011

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55.3mm
 V 8.72mm ID 17mm
 W 39.5mm THREAD M17


OAP012

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 50mm
 V 13.8mm ID 17mm
 W 40mm THREAD M17


OAP013

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 52.6mm
 V 8.8mm ID 17mm
 W 39.4mm THREAD M14


OAP014

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 60mm
 V 8.65mm ID 17mm
 W 41.5mm THREAD M16


OAP015

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 65mm
 V 10.2mm ID 17mm
 W 40.8mm THREAD M17


OAP016

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 54mm
 V 15.3mm ID 17mm
 W 43.5mm THREAD M16

NULINE OVERRUNNING ALTERNATOR PULLEYS - IMAGES



OAP017

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55mm
 V 16.95mm ID 17mm
 W 38.3mm THREAD M16



OAP018

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55.5mm
 V 19.4mm ID 17mm
 W 35.7mm THREAD M16



OAP019

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 57.6mm
 V 8.6mm ID 17mm
 W 47.3mm THREAD M17



OAP020

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 60mm
 V 15.8mm ID 17mm
 W 38mm THREAD M16



OAP021

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 54.6mm
 V 9.1mm ID 17mm
 W 39mm THREAD M16



OAP022

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 55.9mm
 V 14.55mm ID 17mm
 W 40.9mm THREAD M16



OAP023

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 50mm
 V 14.55mm ID 17mm
 W 39.3mm THREAD M16



OAP024

BORE 33 TOOTH SPLINE
 TYPE 8PK OD 59.5mm
 V 19.6mm ID 17mm
 W 38.9mm THREAD M17



OAP025

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 52.7mm
 V 15.5mm ID 17mm
 W 44.3mm THREAD M17



OAP026

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 57.6mm
 V 15.4mm ID 17mm
 W 47.2mm THREAD M17



OAP027

BORE 17MM HEX
 TYPE 6PK OD 57.5mm
 V 9mm ID 17mm
 W 40.4mm THREAD M14



OAP028

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 50mm
 V 5mm ID 17mm
 W 34.4mm THREAD M16



OAP029

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 59.6mm
 V 13.2mm ID 17mm
 W 35.6mm THREAD M16



OAP030

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 55.6mm
 V 17.5mm ID 17mm
 W 37.4mm THREAD M16



OAP031

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49mm
 V 11.6mm ID 17mm
 W 37.2mm THREAD M16



OAP032

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55.9mm
 V 6.1mm ID 17mm
 W 37.9mm THREAD M16

NULINE OVERRUNNING ALTERNATOR PULLEYS - IMAGES


OAP033

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 54.6mm
 V 7.2mm ID 17mm
 W 39.8mm THREAD M16


OAP034

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 54.6mm
 V 12.9mm ID 17mm
 W 39.3mm THREAD M16


OAP035

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55.2mm
 V 8mm ID 17mm
 W 36mm THREAD M16


OAP036

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 68mm
 V 14.5mm ID 17mm
 W 41mm THREAD M16


OAP037

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 54mm
 V 17.8mm ID 17mm
 W 40.6mm THREAD M16


OAP038

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 54.6mm
 V 7.2mm ID 17mm
 W 34.4mm THREAD M16


OAP039

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 55.9mm
 V 14.9mm ID 17mm
 W 45mm THREAD M16


OAP040

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49.9mm
 V 11mm ID 17mm
 W 36.1mm THREAD M16


OAP041

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 50mm
 V 11mm ID 17mm
 W 39.7mm THREAD M16


OAP042

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49mm
 V 11.65mm ID 17mm
 W 37mm THREAD M16


OAP043

BORE 33 TOOTH SPLINE
 TYPE - OD 61.7mm
 V - ID 17mm
 W 34.2mm THREAD M16


OAP044

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 68.8mm
 V 9.3mm ID 17mm
 W 44.3mm THREAD M16


OAP045

BORE 33 TOOTH SPLINE
 TYPE 8PK OD 59.5mm
 V 8.8mm ID 17mm
 W 40.8mm THREAD M17


OAP046

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 49mm
 V 15.2mm ID 17mm
 W 38.1mm THREAD M16


OAP048

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49.6mm
 V 9.3mm ID 17mm
 W 34.1mm THREAD M16


OAP049

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49.6mm
 V 3.3mm ID 17mm
 W 33.5mm THREAD M16

NULINE OVERRUNNING ALTERNATOR PULLEYS - IMAGES



OAP050

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55.7mm
 V 14.9mm ID 17mm
 W 38mm THREAD M16



OAP051

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 49mm
 V 8mm ID 17mm
 W 36mm THREAD M16



OAP052

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 50mm
 V 19.4mm ID 17mm
 W 43.8mm THREAD M16



OAP053

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 56mm
 V 6.1mm ID 17mm
 W 37.3mm THREAD M16



OAP054

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55.5mm
 V 14.9mm ID 17mm
 W 38mm THREAD M16



OAP056

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 56mm
 V 5mm ID 17mm
 W 35.9mm THREAD M16



OAP057

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 53.9mm
 V 16.4mm ID 17mm
 W 40.2mm THREAD M17



OAP059

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 49mm
 V 11.65mm ID 17mm
 W 40mm THREAD M16



OAP060

BORE 33 TOOTH SPLINE
 TYPE - OD 61.7
 V - ID 17mm
 W 42.8 THREAD M16



OAP061

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 58.8mm
 V 5mm ID 20mm
 W 36mm THREAD M16



OAP062

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 59.5mm
 V 6.5mm ID 17mm
 W 44.7mm THREAD M16



OAP063

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 53.9mm
 V 11.5mm ID 17mm
 W 40.2mm THREAD M17



OAP064

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 61.5mm
 V 10.8mm ID 17mm
 W 41mm THREAD M14



OAP065

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 50mm
 V 14.9mm ID 17mm
 W 38.1mm THREAD M16



OAP066

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 49mm
 V 3.3mm ID 17mm
 W 33mm THREAD M16



OAP067

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 54.1mm
 V 8mm ID 17mm
 W 39.5mm THREAD M16

NULINE OVERRUNNING ALTERNATOR PULLEYS - IMAGES



OAP068

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 56mm
 V 7mm ID 17mm
 W 36mm THREAD M16



OAP069

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 55.8mm
 V 15.22mm ID 17mm
 W 40.9mm THREAD M14



OAP070

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 50mm
 V 14.55mm ID 17mm
 W 39.4mm THREAD M16



OAP071

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 53.7mm
 V 18mm ID 17mm
 W 43.1mm THREAD M16



OAP072

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 50mm
 V 11mm ID 17mm
 W 35.8mm THREAD M16



OAP073

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49.8mm
 V 5.3mm ID 17mm
 W 34.4mm THREAD M16



OAP074

BORE 33 TOOTH SPLINE
 TYPE 5PK OD 52mm
 V 14.9mm ID 17mm
 W 38mm THREAD M16



OAP075

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 61.6mm
 V 16.4mm ID 17mm
 W 43.6mm THREAD M17



OAP076

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 56mm
 V 12.8mm ID 17mm
 W 37.4mm THREAD M16



OAP077

BORE 33 TOOTH SPLINE
 TYPE 7PK OD 58.6mm
 V 8mm ID 17mm
 W 38.5mm THREAD M16



OAP078

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 56mm
 V 11.6mm ID 17mm
 W 41.4mm THREAD M16



OAP079

BORE 33 TOOTH SPLINE
 TYPE 6PK OD 49.5mm
 V 8.4mm ID 17mm
 W 38.6mm THREAD M17