

Glow Plug Catalogue

TRIDON ▶

Glow Plugs
Diesel Service Tools



Glow Plugs

Tridon Australia Pty Ltd is a 100% Australian owned company supplying the automotive, original equipment, industrial and hardware markets in Australia and New Zealand. Quality and customer service are of the utmost importance. Tridon's distribution and manufacturing facility is ISO9001/TS16949 quality accredited and ISO14001 environmentally accredited.

Tridon offers an extensive range of glow plugs to suit Japanese, American, European, Korean and Australian built vehicles. Tridon's glow plug range is manufactured in a European ISO9001/TS16949 accredited facility, supplying predominately original equipment manufacturers.

This catalogue has been carefully researched and compiled to assist with correct product selection and includes:

Vehicle Application List with over 90 part numbers linked to more than 1300 vehicle applications within the Australian and New Zealand vehicle car parc.

Part Number Identification Guides including photographs, measurements and technical data.

Tridon prides itself on delivering the most complete and comprehensive range of products and the highest level of service to its customers.

For further information regarding our products visit www.tridon.com.au, contact your nearest Tridon stockist or Tridon Customer Service as listed on the back of this catalogue.

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Vehicle Application List

Vehicle makes and models are listed in alphabetical order with the corresponding year, cylinder and engine size.

Reference should be made to the vehicle application prior to selection of the glow plug part number to ensure that the correct part is supplied for the vehicle.

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Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Alfa Romeo										
147		01/06	12/11	4	1.9L	937A5	DOHC	16V	TGP005	
159	1.9	03/07	12/11	4	1.9L	939A2000	OHC	16V	TGP005	
159	JTD	06/06	12/11	5	2.4L	939A3000	DOHC	20V	TGP005	
Brera		01/06	01/07	5	2.4L	939A3000	DOHC	20V	TGP005	
Audi										
A2	1.4 TDi	01/01	01/03	3	1.4L	AMF	SOHC	6V	TGP021 TGP022	Check illustrations for correct application
A3	2.0 TDi	06/04	08/05	4	2.0L	BKD	DOHC	16V	TGP024	
A3	1.9 TDi	01/08	01/09	4	1.9L	BLS	SOHC	8V	TGP024	
A3	2.0 TDi	01/08	12/11	4	2.0L	CBAB, CBB, CFF	DOHC	16V	TGP023	
A4	2.0 TDi	10/05	03/08	4	2.0L	BLB	DOHC	16V	TGP024	
A4	2.0 TDi	03/08	12/11	4	2.0L	CAGA, CAGB	DOHC	16V	TGP023	
A4	2.7 TDi	07/08	12/11	V6	2.7L	CAM(A), CGK	DOHC	24V	TGP023	
A4	3.0 TDi - Incl. Quattro	01/05	12/11	V6	3.0L	ASB, CCWA, BKN	DOHC	24V	TGP023	
A5	3.0 TDi	10/08	12/11	V6	3.0L	CCW(A)	DOHC	24V	TGP023	
A6	2.0 TDi	07/09	12/11	4	2.0L	CAH	DOHC	16V	TGP023	
A6	2.7 TDi	01/06	12/11	V6	2.7L	BPP, CAN	DOHC	24V	TGP023	
A6	3.0 TDi - Incl. Quattro, Allroad	11/04	12/11	V6	3.0L	ASB, BMK, CDY	DOHC	24V	TGP023	
A7	3.0 TDi	03/11	12/11	V6	3.0L	CDU	DOHC	24V	TGP094	
A8	3.0 TDi	04/08	12/11	V6	3.0L	ASB	DOHC	24V	TGP023	
A8	4.2 TDi	01/06	12/11	V8	4.2L	BVN, CDS	DOHC	32V, 40V	TGP023	
Allroad (Quattro)	2.5 TDi	01/01	06/06	V6	2.5L	AKE, BAU	DOHC	24V, 30V	TGP086	
Allroad	3.0 TDi	01/07	01/08	V6	3.0L	ASB	DOHC	24V	TGP023	
Q5	2.0 TDi - Quattro	01/09	12/11	4	2.0L	CAH	DOHC	16V	TGP023	
Q5	3.0 TDi	03/09	12/11	V6	3.0L	CCWA	DOHC	24V	TGP023	
Q7	3.0 TDi	09/06	12/11	V6	3.0L	BUG, CASA	DOHC	24V	TGP023	
Q7	4.2 TDi - Quattro	01/07	12/11	V8	4.2L	BTR, CCFA	DOHC	32V	TGP023	
Q7	6.0 TDi - Quattro	11/09	12/11	V12	6.0L	CCGA	DOHC	48V	TGP023	
TT	2.0 TDi	07/09	12/11	4	2.0L	CBBB	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
BMW										
118d	E87	01/07	12/11	4	2.0L	N47TU2D20	DOHC	16V	TGP003	
118d	E88	01/09	12/11	4	2.0L	N47TU2D20	DOHC	16V	TGP004	
120d	E87	05/06	12/11	4	2.0L	M47TUD20	DOHC	16V	TGP003	
120d	E87	03/07	12/11	4	2.0L	N47TU2D20	DOHC	16V	TGP003	
123d	E82 - E88	11/09	12/11	4	2.0L	N47TU2D20	DOHC	16V	TGP004	
320d	E46	01/00	10/01	4	2.0L	M47D20	DOHC	16V	TGP013	
320d	E46	10/01	01/05	4	2.0L	M47D20	DOHC	16V	TGP003	
320d	E90	06/06	12/11	4	2.0L	M47D20	DOHC	16V	TGP003	
320d	E90	06/06	12/11	4	2.0L	N47D20(C)	DOHC	16V	TGP004	
320d	E91 (NZ Only)	01/05	01/08	4	2.0L	M47D20	DOHC	16V	TGP003	
320d	E91 - E93	01/07	12/11	4	2.0L	N47D20(C)	DOHC	16V	TGP004	
325d	E90 (NZ Only)	01/09	12/11	6	3.0L	N57D30	DOHC	24V	TGP003	
330d	E46	01/00	01/02	6	3.0L	M57D30	DOHC	24V	TGP013	
330d	E46	01/03	01/05	6	3.0L	M57D30	DOHC	24V	TGP003	
330d	E90	01/06	12/11	6	3.0L	M57D30, N57D30	DOHC	24V	TGP003	
330d	E90 - E91 (NZ only)	01/05	12/11	6	3.0L	M57D30	DOHC	24V	TGP003	
330d	E92, E93	11/09	12/11	6	3.0L	N57D30	DOHC	24V	TGP004	
335d	E90	01/07	12/11	6	3.0L	N57D30	DOHC	24V	TGP003	
520d	E60	12/07	06/10	4	2.0L	N47D	DOHC	16V	TGP003	
520d	F10, F11	06/10	12/11	4	2.0L	N47TU2D20	DOHC	16V	TGP004	
525d	E60	01/07	12/11	6	3.0L	M57D30	DOHC	24V	TGP003	
530d	E39	01/00	01/03	6	3.0L	M57D30	DOHC	24V	TGP013	
530d	E60	01/03	12/11	6	3.0L	M57	DOHC	24V	TGP003	
530d	E61	01/04	12/11	6	3.0L	M57TUD30	DOHC	24V	TGP003	
530d GT	F07	02/10	12/11	6	3.0L	N57D30	DOHC	24V	TGP004	
535d	E60 - E61 (NZ only)	01/05	08/10	6	3.0L	M57D30	DOHC	24V	TGP003	
535d	F10	10/10	12/11	6	3.0L	M57D30B	DOHC	24V	TGP004	
730d	F01	05/09	12/11	6	3.0L	N57D30	DOHC	24V	TGP004	

Vehicle Application List

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
BMW cont.										
730Ld	E66	01/07	12/11	6	3.0L	M57D30	DOHC	24V	TGP003	
X1	E84 (20d - 23d)	04/10	12/11	4	2.0L	N47D20C	DOHC	16V	TGP004	
X3	E83 - 2.0d	01/05	02/11	4	2.0L	M47TUD20, N47D	DOHC	16V	TGP003 TGP004	Check illustrations for correct application
X3	E83 - 3.0d	11/05	12/11	6	3.0L	M57TUD30	DOHC	24V	TGP003	
X3	F25 - 20d(xDRIVE)	03/11	12/11	4	2.0L	N47D20C	DOHC	16V	TGP004	
X5	E53 - 3.0d	03/03	12/03	6	3.0L	M57	DOHC	24V	TGP013	
X5	E53 - 3.0d	01/04	02/07	6	3.0L	M57D30TU	DOHC	24V	TGP003	
X5	E70 - 3.0d	03/07	10/08	6	3.0L	M57TU2D30	DOHC	24V	TGP003	
X5	E70 - 3.0sd	01/08	05/10	6	3.0L	M57TU2D30	DOHC	24V	TGP003 TGP004	Check illustrations for correct application
X5	E70 30d - 40d SPORT(xDRIVE)	06/10	12/11	6	3.0L	N57D30A	DOHC	24V	TGP003	
X5	E70 30d - 40d SPORT(xDRIVE)	06/10	12/11	6	3.0L	N57D30B	DOHC	24V	TGP004	
X5	E70 30d - 40d SPORT(xDRIVE)	01/08	05/10	6	3.0L	M57TU2D30	DOHC	24V	TGP003 TGP004	Check illustrations for correct application
X6	E71 - 35d (xDRIVE)	07/08	12/11	6	3.0L	M57D30	DOHC	24V	TGP003	
X6	E71 - 40d (xDRIVE)	09/10	12/11	6	3.0L	N57D30	DOHC	24V	TGP004	
Chrysler										
300C	LE MY06	06/06	12/11	V6	3.0L	OM642	DOHC	24V	TGP008	
Citroen										
Berlingo	1.6 HDi	01/07	01/08	4	1.6L	DV6B	DOHC	16V	TGP032	
Berlingo	1.6 - HDi	03/09	12/11	4	1.6L	DV6AUTED4	DOHC	16V	TGP032	
C3	1.4 HDi	01/03	01/07	4	1.4L	DV4TD	SOHC	8V	TGP012 TGP032	Check illustrations for correct application
C3	1.6 HDi	10/07	12/11	4	1.6L	DV6ATED4	DOHC	16V	TGP032	
C4	1.6 HDi	01/06	12/11	4	1.6L	DV6(A)TED4	DOHC	16V	TGP032	
C4	2.0 HDi	05/07	12/11	4	2.0L	DW10BTED4	DOHC	16V	TGP011	
C5	2.0 HDi	06/01	07/05	4	2.0L	DW10ATED	DOHC	16V	TGP009	
C5	2.0 HDi	06/06	01/10	4	2.0L	DW10BTED4	DOHC	16V	TGP011	
C5	2.2 HDi	03/05	05/06	4	2.2L	DW12TED4	DOHC	16V	TGP011	
C5	2.7 V6 - HDi	09/08	01/10	V6	2.7L	DT17TED4	DOHC	24V	TGP017	
C6	2.7 V6 - HDi	09/06	12/11	V6	2.7L	DT17TED4	DOHC	24V	TGP017	
Dispatch	2.0 - G9C	04/08	12/11	4	2.0L	DW10UTED4	DOHC	16V	TGP011	
Xantia	1.9 - Turbo Diesel	11/96	12/98	4	1.9L	XUD9TE	SOHC	8V	TGP001	
Xsara	2.0 HDi	01/00	01/05	4	2.0L	DW10TD	SOHC	8V	TGP009	
Daihatsu										
Delta	V20 - V25	01/79	12/83	4	2.5L	DG			TGP038	
Delta	V55 - V58	01/84	12/02	4	2.8L	DL	OHV	8V	TGP038 TGP075	Check illustrations for correct application
Delta	DV28	01/74	12/84	4	3.0L	B	OHV		TGP038 TGP047	Check illustrations for correct application
Delta	V10 - V99	01/79	12/96	4	3.0L	B	OHV		TGP038 TGP047	Check illustrations for correct application
Delta Tipper	V138	12/04	12/06	4	3.0L	1KD-FTV	DOHC	16V	TGP030	
F50		01/78	08/80	4	2.5L	DG			TGP038	
F60		01/83	06/84	4	2.8L	DL			TGP038	
Rocky	F70 - F78 Inc Turbo	01/84	01/99	4	2.8L	DL-(T)	OHV	8V	TGP039	
Fiat										
500		02/08	12/11	4	1.3L	169A1	DOHC	16V	TGP018	
Bravo	(NZ Only)	01/07	01/08	4	1.9L	937A8	DOHC	16V	TGP005	
Ducato		01/03	01/06	4	2.0L	RHW	DOHC	16V	TGP009	
Ducato		11/05	12/11	4	2.3L	F1AE	DOHC	16V	TGP064	
Ducato		01/95	08/02	4	2.8L	814063	SOHC	8V	TGP072	
Ducato		03/04	12/11	4	2.8L	8140.43S	SOHC	8V	TGP072	
Multipla		01/00	01/05	4	1.9L	182B4	SOHC	8V	TGP028 TGP042 TGP043	Check illustrations for correct application
Punto		07/06	05/10	4	1.2L		DOHC	16V	TGP018	
Punto		06/06	01/09	4	1.9L		SOHC	8V	TGP028	
Ritmo		02/08	05/09	4	1.9L	937A5000	DOHC	16V	TGP005	
Ritmo		07/08	05/10	4	1.9L	192A8000	DOHC	16V	TGP027	
Scudo		04/08	12/11	4	2.0L	120Multi	DOHC	16V	TGP011	

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Ford										
Courier	PD - PH	05/96	01/07	4	2.5L	WL-(AT)	SOHC	12V	TGP019	
Fiesta	WS, WT	01/09	12/11	4	1.6L	HHJ	DOHC	16V	TGP003	
Focus	LS	10/06	05/08	4	1.8L		SOHC	8V	TGP041	
Focus	LT	01/07	03/09	4	2.0L	D4204T	DOHC	16V	TGP009	
Focus	LV	06/08	12/11	4	1.8L			16V	TGP041	
Focus	LV	04/09	12/11	4	2.0L	D4204T	DOHC	16V	TGP009	
Mondeo	MA, MB	10/07	12/11	4	2.0L	Duratorq	DOHC	16V	TGP009	
Trader	0409, 0509	01/79	12/84	4	3.0L	HA			TGP049	
Trader	0711	01/81	12/84	4	4.1L	ZB	OHV	12V	TGP049	
Transit	VH - VM	01/01	12/11	4	2.2L, 2.4L		DOHC	16V	TGP067	
Holden										
Astra	AH - CDTi	06/06	07/08	4	1.9L	Z19DT	SOHC	8V	TGP028	To Chassis 75030986
Astra	AH - CDTi	04/07	12/11	4	1.9L	Z19DT	SOHC	8V	TGP027	From Chassis 75030987
Astra	AH - CDTi	06/06	12/11	4	1.9L	Z19DTH	DOHC	16V	TGP005	
Captiva	CG - Turbo	03/07	12/11	4	2.0L	Z20S1	SOHC	16V	TGP056	
Cruze	JG - Turbo	05/09	12/11	4	2.0L	Z20S1	SOHC	16V	TGP056	
Epica	EP - Turbo	07/08	12/11	4	2.0L	Z20S1	SOHC	16V	TGP056	
Jackaroo	UBS521 - Turbo	11/81	12/88	4	2.2L	C223(T)	OHV		TGP073	
Jackaroo	UBS55 - Turbo	07/88	03/92	4	2.8L	4JB1T	OHV	8V	TGP052	
Jackaroo	UBS92 - Turbo	04/92	02/98	4	3.1L	4JG2	OHV	8V	TGP034	
Jackaroo	UBS73 L8 - Turbo	03/98	09/04	4	3.0L	4JX1T	DOHC	16V	TGP035	
Rodeo	TF99	12/01	01/03	4	3.0L	4JH1T	OHV	8V	TGP052	
Hyundai										
Grandeur	2.2 - TG	11/08	12/11	4	2.2L	D4EB	DOHC	16V	TGP046	
H100	2.6 - XKN7B (NZ only)	01/97	12/01	4	2.6L	D4BB	SOHC	8V	TGP059	
H100	2.6 - GD27 - GD37B (NZ only)	01/97	12/04	4	2.6L	D4BB	SOHC	8V	TGP059	
iLoad	2.4 - TQ-V	02/08	12/11	4	2.5L	D4CB	DOHC	16V	TGP006	
iMax	2.5 - TQ-W	02/08	12/11	4	2.5L	D4CB	DOHC	16V	TGP006	
Santa Fe	2.2 - CM	11/06	10/09	4	2.2L	D4EB6	SOHC	16V	TGP046	
Sonata	2.0 - NF	06/08	12/11	4	2.0L	D4EA	DOHC	16V	TGP046	
Tucson	2.0 - JN	01/06	12/11	4	2.0L	D4EA	DOHC	16V	TGP046	
Isuzu										
Bighorn	UBS52 (NZ Only)	01/81	12/95	4	2.2L	C223(T)	OHV	8V	TGP033	
Bighorn	UBS55 (NZ Only)	01/87	12/92	4	2.8L	4JB1T	OHV	8V	TGP052	
Bighorn	UBS69 (NZ Only)	12/91	02/98	4	3.1L	4JG2T	OHV	8V	TGP034	
Bighorn	UBS73 (NZ Only)	01/98	12/01	4	3.0L	4JX1T	DOHC	16V	TGP035	
D-Max	TF - TFR85	10/08	12/11	4	3.0L	4JJ1-(TC)			TGP096	
MU	UCS69	01/93	01/99	4	3.1L	4JG2T	OHV	8V	TGP034	
Jaguar										
S Type	2.7 D	03/06	05/08	V6	2.7L	AJD27	DOHC	24V	TGP017	
XF	Luxury - Twin Turbo	06/08	07/09	V6	2.7L	AJD27	DOHC	24V	TGP017	
XJ6	D - XJ350	03/07	03/10	V6	2.7L	ELD11	DOHC	24V	TGP017	
Jeep										
Commander	XH	05/06	12/11	V6	3.0L		DOHC	24V	TGP008	
Grand Cherokee	WG	01/02	01/03	4	2.8L	ENR	DOHC	16V	TGP066	
Grand Cherokee	WH	06/05	12/11	V6	3.0L	EXL	DOHC	24V	TGP008	
Kia										
Ceres	KW52	07/96	02/00	4	2.4L	SC	OHV	8V	TGP019	
K2700	TU - CSD011	10/02	02/05	4	2.7L	J2	SOHC	8V	TGP019	
K2700	PU - CSE011	04/05	03/08	4	2.7L	J2	SOHC	8V	TGP019	
Pregio	CT	07/02	04/06	4	2.7L	J2	SOHC	8V	TGP019	
Sorento	JC (NZ Only)	01/05	12/11	4	2.5L	A5	DOHC	16V	TGP006	
Sorento	BL - JC524	08/07	09/09	4	2.5L	D4CB6	DOHC	16V	TGP006	
Sportage	KM	08/07	03/10	4	2.0L	D4EA	SOHC	8V	TGP046	
Sportage	SL	08/10	12/11	4	2.0L	D4HA	DOHC	16V	TGP046	
Land Rover										
110	2.5 TDi	01/02	01/07	5	2.5L	15P	SOHC	10V	TGP002	
Defender	110, 130	09/92	10/99	4	2.5L	11L, 16L			TGP092	
Defender	90 - 130	02/99	10/06	5	2.5L	10P, 15P	SOHC	20V	TGP002	

Vehicle Application List

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Land Rover cont.										
Discovery	2.5 TDi	03/93	12/99	4	2.5L	12L - 20L	OHV	8V	TGP092	
Discovery	2.5 TD5	03/99	10/02	5	2.5L	10P	SOHC	10V	TGP002	
Discovery II	2.5 TD5	01/01	03/05	5	2.5L	10P - 19P			TGP002	
Freelander	2.0 Di	02/98	11/00	4	2.0L	20T2N	SOHC	8V	TGP089	
Freelander	2.0 TD4	11/00	04/07	4	2.0L	M47	DOHC	16V	TGP013	
Mazda										
626	GC - CB2	01/84	12/87	4	2.0L	RF	SOHC		TGP019	
B2200		06/85	03/96	4	2.2L	R2	SOHC		TGP019	
B2500	Incl. Turbo	04/96	11/06	4	2.5L	WL-(AT, T)	SOHC	12V	TGP019	
Bounty	UNY0W (NZ Only)	01/99	12/11	4	2.5L	WLT	SOHC	12V	TGP019	
E2200		02/84	12/97	4	2.2L	R2	SOHC	8V	TGP055	
E2200		01/99	01/02	4	2.2L	R2	SOHC	8V	TGP019	
E2500		08/97	05/03	4	2.5L	WL	SOHC	12V	TGP019	
Familia	Y11 (NZ Only)	01/99	01/03	4	2.2L	YD22DD	DOHC	16V	TGP093	
Mazda3	BK	08/07	09/09	4	2.0L	RF	SOHC	16V	TGP093	
Mazda6	GG	10/06	01/08	4	2.0L	MZR-CD	SOHC	16V	TGP093	
T3000, T4100		01/81	12/91	6	3.0L 4.1L	HA ZB			TGP049 TGP055	Check illustrations for correct application
Mercedes										
190 D	W201	01/86	12/88	5	2.5L	OM602			TGP001	
240 D	W123	06/80	12/82	4	2.4L	OM616			TGP001	
300 D	W123	09/79	01/85	5	3.0L	OM617.912	SOHC	10V	TGP001	
300 D	W124	01/86	01/93	6	3.0L	OM603			TGP001 TGP007	Check illustrations for correct application
300 GD	W460	12/82	01/89	5	3.0L	OM617A			TGP001	
300 TD	W123	12/79	01/85	5	3.0L	OM617A	SOHC		TGP001	
A180	W169	09/08	06/10	4	2.0L	M640.940	DOHC	16V	TGP008	
A200	W169	01/05	01/08	4	2.0L	OM640.941			TGP008	
B180	W245	05/06	12/11	4	2.0L	OM640.940	DOHC	16V	TGP008	
B200	W245	11/05	12/11	4	2.0L	OM640.941			TGP008	
C220 CDi	W203	01/01	06/07	4	2.2L	OM611.962, OM646.962	DOHC	16V	TGP071	
C250 D	W202	10/94	11/96	5	2.5L	OM605.910	DOHC	20V	TGP090 TGP091	Check illustrations for correct application
C250 TD	W202	10/94	12/00	5	2.5L	OM605.960	DOHC	20V	TGP090	
C320	W203	01/05	01/07	V6	3.0L	OM642.910	DOHC	24V	TGP008	
C320 CDi	W204	11/07	02/10	V6	3.0L	OM642.960	DOHC	24V	TGP008	
CLS320 CDi	W219	01/05	01/09	V6	3.0L	OM642.920	DOHC	24V	TGP008	
E270 CDi	W211	08/02	09/05	5	2.7L	OM647.961	DOHC	20V	TGP066 TGP071	Check illustrations for correct application
E280 CDi	W211	09/05	12/11	V6	3.0L	OM642.920	DOHC	24V	TGP008	
E300 D	W124	09/93	12/94	6	3.0L	OM606	DOHC	24V	TGP090 TGP091	Check illustrations for correct application
E300 TD	W210	07/97	12/99	6	3.0L	OM606		24V	TGP090	
E320 CDi	W211	01/03	01/05	6	3.2L	OM648.961	DOHC	24V	TGP066 TGP071	Check illustrations for correct application
E320 CDi	W211	01/05	01/07	6	3.0L	OM642.920	DOHC	24V	TGP008	
GL320 CDi	X164	11/06	01/10	V6	3.0L	OM642.940	DOHC	24V	TGP008	
MB100		11/99	12/01	4	2.3L	M661	SOHC	8V	TGP007	
MB100D		12/01	05/05	5	2.9L	M662	SOHC	10V	TGP007	
ML270 CDi	W163	01/00	08/05	5	2.7L	OM612.963	DOHC	20V	TGP066 TGP071	Check illustrations for correct application
ML320 CDi	W164	09/05	12/11	V6	3.0L	OM642.940	DOHC	24V	TGP008	
R280 CDi	W251	10/07	12/11	V6	3.0L	OM642.950	DOHC	24V	TGP008	
R320 CDi	W251	04/06	12/11	V6	3.0L	OM642.950	DOHC	24V	TGP008	
S320 CDi	W221	01/08	12/11	V6	3.0L	OM642.930	DOHC	24V	TGP008	
Sprinter	208 CDi - 901, 902	01/00	12/06	4	2.2L	OM611.987	DOHC	16V	TGP071	
Sprinter	208D - 902	01/99	12/11	4	2.3L	OM601.943	SOHC	8V	TGP007	
Sprinter	209 CDi - 906	01/07	01/09	4	2.1L	OM646.984	DOHC	16V	TGP066	
Sprinter	308 CDi - 903	12/01	12/06	4	2.2L	OM611.987	DOHC	16V	TGP066 TGP079	Check illustrations for correct application
Sprinter	308 (D, CDi) - 903	02/98	05/00	4	2.3L	OM601.943	SOHC	8V	TGP007	
Sprinter	309 CDi - 906	10/06	12/11	4	2.1L	OM646.984	DOHC	16V	TGP066	
Sprinter	311 CDi - 903	07/05	10/06	4	2.1L	OM611.981	DOHC	16V	TGP066	

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Mercedes cont.										
Sprinter	311 CDi - 906	10/06	01/10	4	2.1L	OM646.985	DOHC	16V	TGP066	
Sprinter	312 D - 903	02/98	05/00	5	2.9L	602.980	SOHC	10V	TGP001 TGP084	Check illustrations for correct application
Sprinter	313 CDi - 902, 903	01/01	12/06	4	2.2L	OM611.981	DOHC	16V	TGP066 TGP071	Check illustrations for correct application
Sprinter	315 CDi - 906	10/06	01/10	4	2.1L	OM646.986	DOHC	16V	TGP066	
Sprinter	315 CDi	04/09	12/11	4	2.1L	OM646.990	DOHC	16V	TGP066	
Sprinter	316 CDi	07/03	10/06	5	2.7L	OM612.981	DOHC	20V	TGP071	
Sprinter	318 CDi - 906	10/06	01/10	V6	3.0L	OM642.992	DOHC	24V	TGP008	
Sprinter	412D - 904	02/98	05/00	5	2.9L	OM602.980	SOHC	10V	TGP001 TGP084	Check illustrations for correct application
Sprinter	413 CDi - 904	05/00	10/06	4	2.2L	OM611.981	DOHC	16V	TGP066	
Sprinter	415CDi	02/08	12/11	4	2.1L	OM646.986	DOHC	16V	TGP066	
Sprinter	416 CDi	07/03	12/06	5	2.7L	OM612	DOHC	20V	TGP066 TGP071	Check illustrations for correct application
Sprinter	418CDi	02/08	12/11	V6	3.0L	OM642.992	DOHC	24V	TGP008	
Sprinter	511 CDi	01/10	12/11	4	2.1L	OM646.985	DOHC	16V	TGP066	
Sprinter	515 CDi - 906	10/06	12/11	4	2.1L	OM646.986	DOHC	16V	TGP066	
Sprinter	515 CDi - 906	01/07	01/10	4	2.1L	OM646.985	DOHC	16V	TGP066	
Sprinter	518 CDi - 906	10/06	12/11	V6	3.0L	OM642.992	DOHC	24V	TGP008	
Sprinter	616 CDi	04/02	12/06	5	2.7L	OM612	DOHC	20V	TGP066 TGP079	Check illustrations for correct application
Viano	639	07/05	12/11	4	2.2L	M646	DOHC	16V	TGP066 TGP071	Check illustrations for correct application
Vito	108 (CDi, D) - 638	08/99	04/04	4	2.2L	OM611A	DOHC	16V	TGP071	
Vito	109 CDi - 639	04/04	12/06	4	2.2L	M646.983	DOHC	16V	TGP066 TGP071	Check illustrations for correct application
Vito	109 CDi - 639	01/07	12/11	4	2.1L	OM646.980	DOHC	16V	TGP066	
Vito	111 CDi - 639	04/04	11/06	4	2.1L	OM646.982	DOHC	16V	TGP066	
Vito	111 CDi - 639	01/08	12/11	4	2.1L	OM646.980	DOHC	16V	TGP066	
Vito	112 CDi - 638	02/01	03/04	4	2.2L	OM611.980	DOHC	16V	TGP066 TGP071 TGP079	Check illustrations for correct application
Vito	115 CDi - 639	04/04	12/11	4	2.1L	OM646.980	DOHC	16V	TGP066	
Vito	120 CDi - 639	02/07	12/11	V6	3.0L	OM642.990	DOHC	24V	TGP008	
MINI										
Cooper D	R56	05/09	09/10	4	1.6L	DV6TED4	DOHC	16V	TGP032	
Cooper D	R56	10/10	12/11	4	1.6L	N47C16A	DOHC	16V	TGP032	
Mitsubishi										
Canter	FB511	05/98	11/02	4	2.8L	4M40-0A	OHC	8V	TGP081	
Canter	FE334	07/91	01/93	4	3.3L	4D31			TGP074	
Canter	FE434	04/86	12/91	4	3.3L	4D31-(0A, T)			TGP074	
Canter	FE444	01/86	12/91	4	3.3L	4D31-(0A, T)			TGP074	
Canter	FE5, FE6	11/02	12/06	4	3.0L	4M42-0AT	DOHC	16V	TGP087	
Canter	FE534	11/02	01/05	4	3.0L	4M42T	DOHC	16V	TGP087	
Canter	FE6 & FG6	11/02	12/06	4	3.9L	4D34-3AT3B	OHV		TGP074	
Challenger	K97 (NZ Only)	01/96	01/07	4	2.8L	4M40T	SOHC	8V	TGP081	
Delica	P05V - P15W	04/86	12/06	4	2.5L	4D56	SOHC		TGP059 TGP068 TGP069	Check illustrations for correct application
Delica	P25V	04/86	12/06	4	2.5L	4D56	SOHC		TGP068	
Delica	P25W	04/86	12/06	4	2.5L	4D56	SOHC		TGP059 TGP069	Check illustrations for correct application
Delica	PA5V	03/94	06/99	4	2.5L	4D56	SOHC		TGP069	
Delica	P45V	08/90	12/06	4	2.5L	4D56	SOHC		TGP069	
Delica	P35W	04/86	12/89	4	2.5L	4D56	SOHC		TGP069	
Delica	P35W	12/89	12/06	4	2.5L	4D56	SOHC		TGP059	
Delica	PA5W	03/94	04/99	4	2.5L	4D56	SOHC		TGP068 TGP069	Check illustrations for correct application
Delica	PB5V	03/94	12/06	4	2.5L	4D56	SOHC		TGP068	
Delica	PB5W	03/94	12/06	4	2.5L	4D56	SOHC		TGP069	
Delica	PC5W	03/94	04/99	4	2.5L	4D56	SOHC		TGP068	
Delica	PD8W - PF8W	03/94	12/06	4	2.8L	4M40	SOHC	8V	TGP081	
Express	SF - SH	09/89	09/94	4	2.5L	4D56	SOHC	8V	TGP059	
Express	SJ	10/94	09/03	4	2.5L	4D56	SOHC	8V	TGP069	

Vehicle Application List

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Mitsubishi cont.										
L200	MC, MD	10/82	10/86	4	2.3L	4D55	SOHC	8V	TGP059	
L200	KJ	01/92	01/98	4	2.5L	4G56T	SOHC	8V	TGP059 TGP068 TGP069	Check illustrations for correct application
L200	K67, K77 (NZ Only)	01/97	01/06	4	2.8L	4M40	SOHC	8V	TGP081	
L300	P05V - P25V, P15W (NZ Only)	01/98	12/11	4	2.5L	4D56T	SOHC	8V	TGP068 TGP069	Check illustrations for correct application
Pajero	NA - NH	01/83	01/93	4	2.3L	4D55(T)	SOHC	8V	TGP059	
Pajero	NL	08/97	06/00	4	2.8L	4M40	SOHC	8V	TGP081	
Pajero	NM	05/00	11/02	4	2.8L	4M40T	SOHC	8V	TGP081	
Pajero	NM	01/99	09/02	4	3.2L	4M41T	DOHC	16V	TGP087	
Pajero	NP	11/02	10/06	4	3.2L	4M41	DOHC	16V	TGP087	
Pajero	V24	05/91	01/97	4	2.5L	4D56T	SOHC	8V	TGP059 TGP069	Check illustrations for correct application
Triton	ME	10/86	06/88	4	2.5L	4D56(T)	SOHC	8V	TGP059	
Triton	MF	07/88	08/89	4	2.5L	4D56	SOHC	8V	TGP059	
Triton	MG	09/89	09/90	4	2.5L	4D56(T)	SOHC	8V	TGP059	
Triton	MH	09/90	07/91	4	2.5L	4D56(T)	SOHC	8V	TGP059	
Triton	MJ	08/91	10/96	4	2.5L	4D56(T)	SOHC	8V	TGP059 TGP068 TGP069	Check illustrations for correct application
Triton	MK	10/96	06/06	4	2.8L	4M40	SOHC	8V	TGP081	
Nissan										
720		06/83	12/85	4	2.3L, 2.5L	SD23, SD25			TGP020	
Avenir	W10 (NZ Only)	01/90	01/99	4	2.0L	CD20	SOHC	8V	TGP029	
Bluebird	U13, U14	01/91	01/00	4	2.0L	CD20	SOHC	8V	TGP029	
Cabstar	F22	10/85	12/87	4	2.3L, 2.5L	SD23, SD25			TGP020	
Cabstar	F22	05/87	01/92	4	2.7L	TD27	SOHC		TGP059	
Cabstar	H40	05/87	09/92	4	2.7L	TD27	SOHC		TGP059	
Caravan	E24 (NZ Only)	01/88	01/97	4	2.7L	TD27	OHV	8V	TGP059	
Caravan	E24 (NZ Only)	01/97	01/02	4	3.2L	QD32	OHV	8V	TGP060	
Caravan	E25 (NZ Only)	01/01	01/07	4	3.0L	ZD30DDT	DOHC	16V	TGP054	
Civilian Bus	W40, W41	01/99	12/06	6	4.2L	TD42	OHV	12V	TGP061	
Elgrand	E50	01/97	01/99	4	3.2L	QD32ETi	OHV	8V	TGP060	
Laurel	C33, C34 (NZ Only)	01/89	01/98	6	2.8L	RD28	SOHC	12V	TGP076 TGP077	Check illustrations for correct application
Mistral	R20 (NZ Only)	01/94	01/98	4	2.7L	TD27	OHV	8V	TGP060	
Navara	D21	01/85	01/92	4	2.3L	SD23	OHV	8V	TGP020	
Navara	D21 - PGD21 (NZ Only)	01/87	01/93	4	2.3L	TD23	OHV	8V	TGP059	
Navara	D21	01/86	12/88	4	2.5L	SD25	OHV	8V	TGP020	
Navara	D21	01/88	05/92	4	2.5L	TD25	OHV	8V	TGP059	
Navara	D21	01/88	02/97	4	2.7L	TD27	OHV	8V	TGP059	
Navara	D22 (NZ Only)	01/02	12/11	4	2.5L	YD25DDT	DOHC	16V	TGP057	
Navara	D22	03/97	12/01	4	2.7L	TD27	OHV	8V	TGP059	
Navara	D22	12/01	01/08	4	3.0L	ZD30DDT	DOHC	16V	TGP054	
Navara	D22	01/97	01/02	4	3.2L	QD32E	OHV	8V	TGP059 TGP060	Check illustrations for correct application
Navara	D22	00/97	12/01	4	3.2L	QD32Ti	OHV		TGP059 TGP060	Check illustrations for correct application
Navara	D40	12/05	12/11	4	2.5L	YD25(DDTi)	DOHC	16V	TGP057	
Pathfinder	R50	01/99	01/01	4	3.0L	ZD30DDT	DOHC	16V	TGP054	
Pathfinder	R51	07/05	12/11	4	2.5L	YD25DDTi	DOHC	16V	TGP057	
Patrol	MQ - Incl. Turbo	01/80	12/87	6	3.3L	SD33(T)	OHV	12V	TGP020 TGP050 TGP051	Check illustrations for correct application
Patrol	GQ	08/87	12/97	6	4.2L	TD42	OHV	12V	TGP059	
Patrol	GQ	02/95	12/97	6	2.8L	RD28T	SOHC	12V	TGP076 TGP077	Check illustrations for correct application
Patrol	GU	01/98	04/00	6	2.8L	RD28ET	SOHC	12V	TGP031	
Patrol	GU	04/00	12/11	4	3.0L	ZD30DDTi	DOHC		TGP054	
Patrol	GU	05/99	10/01	6	4.2L	TD42(T)	OHV	12V	TGP059 TGP060	Check illustrations for correct application
Safari	Y60 (NZ Only)	01/87	01/97	6	4.2L	TD42(T)	OHV	12V	TGP059	
Terrano	WD21 - Import	08/86	08/95	4	2.7L	TD27(T)	SOHC		TGP059	

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Nissan cont.										
Terrano	R20, R50	01/95	06/00	4	2.7L	TD27(E)Ti	SOHC, OHV	8V	TGP060	
Terrano	JR50, R50	02/99	09/01	4	3.0L	ZD30DDTi	DOHC	16V	TGP054	
Terrano	JR50, R50	09/95	09/01	4	3.2L	QD32Ti	OHV	8V	TGP060	
Terrano II	R20	03/97	06/00	4	2.7L	TD27Ti	SOHC	8V	TGP060	
Urvan	E24	03/87	09/93	4	2.7L	TD27	SOHC		TGP059	
Urvan	E25	01/08	12/11	4	3.0L	ZD30DDT	DOHC	16V	TGP054	
Vanette Largo	GC22 - Import	05/86	04/93	4	2.0L	LD20(T)			TGP080	
Peugeot										
207	1.6 HDi - XT	02/07	12/11	4	1.6L	DV6TED4	DOHC	16V	TGP006	
207SW	1.6 HDi	07/10	12/11	4	1.6L		DOHC	16V	TGP006	
306	1.9 DT	04/96	12/11	4	1.9L	XUD9	SOHC	8V	TGP010	
306	2.0 HDi	04/00	12/01	4	2.0L	DW10TD	SOHC	8V	TGP009	
307	2.0 HDi	12/01	10/05	4	2.0L	DW10TD	SOHC	16V	TGP009	
307	1.6 HDi	10/05	06/08	4	1.6L	DV6TED4	DOHC	16V	TGP012	
307	2.0 HDi	10/05	06/08	4	2.0L	DW10BTED4	DOHC	16V	TGP011	
308	1.6 HDi	07/08	12/11	4	1.6L	DV6TED4	DOHC	16V	TGP006	
308	2.0 HDi	02/08	12/11	4	2.0L	DW10BTED4	DOHC	16V	TGP011	
308SW	1.6 HDi	02/11	12/11	4	1.6L		DOHC	16V	TGP006	
3008	1.6 HDi	06/10	12/11	4	1.6L	DV6TED4	DOHC	16V	TGP006	
405	1.9 DT - D70	01/93	01/98	4	1.9L	XU9TE, XUD9	SOHC	8V	TGP010	
406	2.0 HDi	01/96	01/98	4	1.9L	XUD9TE	SOHC	8V	TGP010	
406	2.1 DT	10/97	12/99	4	2.1L	XUD11BTE	SOHC	12V	TGP010	
406	2.0 HDi	08/99	08/04	4	2.0L	DW10ATED	SOHC	8V	TGP009	
407	2.0 HDi	09/04	12/11	4	2.0L	DW10BTED4	DOHC	16V	TGP009	
407	2.7 - V6 HDi	03/06	01/10	V6	2.7L	DT17TED4	DOHC	24V	TGP017	
Expert	2.0 HDi	08/08	12/11	4	2.0L	DW10BTED4	DOHC	16V	TGP011	
Partner	1.6 HDi - L1, L2	09/08	12/11	4	1.6L	DV6AUTED4	DOHC	16V	TGP006	
Range Rover										
Range Rover	2.5 - Turbo Diesel	01/94	01/02	6	2.5L	M51D25	OHV	8V	TGP085	
Range Rover	2.9 - Turbo Diesel TD6	08/02	08/05	6	2.9L	306D	DOHC	24V	TGP013	
Renault										
Kangoo	X76	01/01	01/04	4	1.9L	F8QP	SOHC	8V	TGP045	
Kangoo	X76 - DCi Turbo Diesel	02/08	12/11	4	1.5L		SOHC	8V	TGP037	
Laguna	2.2 - DCi Turbo Diesel	11/06	05/08	4	2.2L	G9TD 605	DOHC	16V	TGP063	
Laguna	2.0 - Turbo Diesel	01/08	12/11	4	2.0L	M9R	SOHC, DOHC	8V, 16V	TGP062	
Master	2.5	01/04	12/11	4	2.5L	G9U	DOHC	16V	TGP063	
Megane		07/07	12/11	4	1.9L, 2.0L		DOHC	8V, 16V	TGP037	
Scenic II	1.9 - Turbo Diesel	07/07	12/11	4	1.9L	F9QJ 803	SOHC	16V	TGP037	
Trafic	1.9 - L2H2	04/04	04/07	4	1.9L	F9Q	SOHC	8V	TGP044	
Trafic	2.0 - DCi Turbo Diesel	05/07	12/11	4	2.0L	M9R	DOHC	16V	TGP070	
Trafic	2.5 - Turbo Diesel	01/07	01/08	4	2.5L	G9UA	DOHC	16V	TGP063	
Rover										
75	CDTi	07/04	03/05	4	2.0L	204D2	DOHC	16V	TGP013	
SAAB										
9-3	1.9 - Turbo Diesel	01/07	12/11	4	1.9L	Z19DTH	DOHC	16V	TGP005	
9-3	1.9 - Turbo Diesel	05/08	06/10	4	1.9L	Z19DTR	DOHC	16V	TGP005	
9-5	1.9 - Turbo Diesel	03/08	09/09	4	1.9L	Z19DTH	DOHC	16V	TGP005	
Skoda										
Fabia	1.4 TDi	01/07	01/08	3	1.4L	BNV	SOHC	6V	TGP021 TGP022	Check illustrations for correct application
Fabia	1.9 TDi	01/08	01/09	4	1.9L	BSW	SOHC	8V	TGP022	
Octavia	1.6 TDi	01/10	12/11	4	1.6L	CAYC	DOHC	16V	TGP094	
Octavia	1.9 TDi	10/07	12/11	4	1.9L	BXE	SOHC	8V	TGP024	
Octavia	2.0 TDi	10/07	12/11	4	2.0L	BKD	DOHC	16V	TGP024	
Octavia	2.0 TDi	09/08	12/11	4	2.0L	BMM	DOHC	16V	TGP024	
Octavia	2.0 TDi	10/08	12/11	4	2.0L	CEG	DOHC	16V	TGP023 TGP094	Check illustrations for correct application

Vehicle Application List

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Skoda cont.										
Roomster	1.9 TDi	10/07	12/11	4	1.9L	BSW	SOHC	8V	TGP022	
Superb	2.5 TDi	01/05	01/07	V6	2.5L	BDG	DOHC	24V	TGP086	
Superb	2.0 TDi	05/09	12/11	4	2.0L	CBBB	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Superb	2.0 TDi	05/10	12/11	4	2.0L	CFG	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Yeti	2.0 TDi	01/09	01/10	4	2.0L	CFH	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Ssangyong										
Actyon	2.0 - Turbo Diesel	03/07	12/11	4	2.0L	OM664.951	DOHC	16V	TGP026	
Korando	2.9 - Turbo Diesel	03/04	06/07	5	2.9L	6621020	SOHC	10V	TGP007	
Kyron	2.0 - Turbo Diesel	02/06	12/11	4	2.0L	664 950	OHC	16V	TGP026	
Kyron	2.7 - Turbo Diesel	06/06	12/11	5	2.7L	665 995	DOHC	20V	TGP026	
Musso	2.9 - Turbo Diesel	03/04	09/07	5	2.9L	662LA	SOHC	10V	TGP007	
Musso	2.9 - Turbo Diesel	07/96	07/98	5	2.9L	OM602	SOHC	10V	TGP007	
Rexton	RX290 Turbo Diesel	06/03	06/05	5	2.9L	OM662.925	SOHC	10V	TGP007	
Rexton	RX270 Turbo Diesel	03/04	03/08	5	2.7L	OM665.925, OM665.935	DOHC	10V, 20V	TGP026	
Stavic	SV270 Turbo Diesel	03/05	12/11	5	2.7L	OM665.926	DOHC	20V	TGP026	
Suzuki										
Grand Vitara	JT - JB419WD	08/08	12/11	4	1.9L		SOHC	8V	TGP037	
Toyota										
4 Runner	LN60, LN61	07/84	09/89	4	2.4L, 2.8L	2L, 3L			TGP015	
4 Runner	LN130R	10/89	06/96	4	2.8L	3L	OHC	8V	TGP015	
Avensis	CDT250, CDT256 (NZ Only)	01/02	01/06	4	2.0L	1CD-FTV	DOHC	16V	TGP030	
Blizzard	LD10	03/82	12/83	4	2.2L	L	SOHC	8V	TGP053	
Bundera	LJ70 - Turbo	01/86	12/91	4	2.4L	2L-T	SOHC	8V	TGP015 TGP053	Check illustrations for correct application
Caldina	CT190 - CT197 (NZ Only)	01/92	01/02	4	2.0L, 2.2L	2C, 3C	SOHC	8V	TGP038	
Camry	CV30 (NZ Only)	01/90	01/94	4	2.0L	2CT	SOHC	8V	TGP038	
Coaster	BU,BB	01/74	07/82	4	3.0L	B			TGP038 TGP047	Check illustrations for correct application
Coaster	BU,BB	01/74	07/82	4	3.2L	2B			TGP038 TGP048	Check illustrations for correct application
Coaster	BB20, BB21	01/84	06/92	4	3.4L	3B	OHV	8V	TGP038 TGP040 TGP048	Check illustrations for correct application
Coaster	BB40	01/93	07/99	4	3.4L	3B	OHV	8V	TGP048	
Coaster	HB30	01/87	12/90	6	4.0L	2H	OHV		TGP038 TGP047 TGP048	Check illustrations for correct application
Coaster	HZB30, HZB50	01/90	12/11	6	4.2L	1HZ	SOHC	12V	TGP038 TGP048	Check illustrations for correct application
Corolla	CE96 - CE108 (NZ Only)	01/87	01/98	4	1.8L, 2.0L	1C, 2C	SOHC	8V	TGP038	
Corona	CT170 - CT190	01/88	01/96	4	2.0L	2C(T)	SOHC	8V	TGP038	
Dyna	KDY230, KDY280	01/05	01/07	4	2.5L	2KD-FTV	DOHC	16V	TGP030	
Dyna	BU20	08/77	12/84	4	3.0L	B	OHV		TGP038 TGP048	Check illustrations for correct application
Dyna	BU61	11/85	09/93	4	3.0L	11B	OHV		TGP048	
Dyna	LY132	01/99	01/01	4	3.0L	5L	SOHC		TGP038	
Dyna	BU32, BU36	06/81	12/84	4	3.4L	3B	OHV		TGP038	
Dyna	HU15, HU30	01/69	12/81	6	3.6L	H			TGP038	
Dyna	HU40	07/83	12/84	6	4.0L	2H	OHV		TGP038	
Dyna	BU102	01/95	01/98	4	4.1L	15B-F	OHV	16V	TGP040	
Dyna	XZU302 - XZU434	01/01	01/07	4	4.6L	SO5C	SOHC	16V	TGP095	
Dyna	XZU411, XZU412	01/01	01/07	4	4.9L	SO5D	SOHC	16V	TGP095	
Dyna 100	LH80	11/85	04/91	4	2.4L	2L	SOHC	8V	TGP015 TGP053	Check illustrations for correct application
Dyna 100	LY220, YY100R	07/95	06/05	4	3.0L	5L			TGP038 TGP047	Check illustrations for correct application
Dyna 150	LY60, LY61	11/85	06/95	4	2.4L	2L	SOHC	8V	TGP015 TGP053	Check illustrations for correct application

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Toyota cont.										
Dyna 150	LY61, LY211	10/88	09/01	4	2.8L	3L	SOHC	8V	TGP015 TGP038	Check illustrations for correct application
Dyna 150	LY211R, LY230	07/95	06/05	4	3.0L	5L	SOHC		TGP038	
Dyna 200	BU60 - BU110	01/84	05/03	4	3.0L	3B, 11B, B			TGP040 TGP048	Check illustrations for correct application
Dyna 200	BU66	08/88	12/95	4	3.7L	14B	OHV	8V	TGP038 TGP047	Check illustrations for correct application
Dyna 200	BU101	12/99	04/03	4	3.7L	14B	OHV	8V	TGP048	
Dyna 300	BU88	09/88	06/95	4	3.7L	14B	OHV	8V	TGP038 TGP047	Check illustrations for correct application
Dyna II	XZU411, XZU412	02/01	06/03	4	4.6L, 4.9L	SO5C, SO5D	OHC		TGP095	
Estima	CXR10	01/92	01/99	4	2.2L	3CT	SOHC	8V	TGP082	
Estima Emina / Lucida	CXR10G - CXR21G	01/92	12/99	4	2.2L	3C-(T, TE)		8V	TGP082	
Granvia	KCH10, KCH16 (NZ Only)	01/95	01/01	4	3.0L	1KZ-TE	SOHC	8V	TGP082	
Hiace	LH20 - LH102	03/81	01/95	4	2.2L 2.4L	L 2L			TGP015 TGP053	Check illustrations for correct application
Hiace	KDH200R - KDH227	03/05	10/06	4	2.5L	2KD-FTV	DOHC	16V	TGP030	
Hiace	LH103 - LH129	10/89	12/06	4	2.8L	3L	SOHC	8V	TGP015 TGP038	Check illustrations for correct application
Hiace	KZH100, KZH110 (NZ Only)	01/93	01/02	4	3.0L	1KZ-TE	SOHC	8V	TGP082	
Hiace	LH162R - LH188	01/98	03/07	4	3.0L	5L	SOHC	8V	TGP038	
Hilux	LN30 - LN130	10/78	01/98	4	2.2L 2.4L	L 2L(T, LE)			TGP015 TGP053	Check illustrations for correct application
Hilux	LN86R - LN131	10/88	01/98	4	2.8L	3L	SOHC	8V	TGP015 TGP038	Check illustrations for correct application
Hilux	LN147 - LN172R	11/97	01/05	4	3.0L	5L(E)	SOHC	8V	TGP038	
Hilux	KZN185 - Turbo (NZ only)	08/97	01/00	4	3.0L	1KZ-TE	SOHC	8V	TGP082	
Hilux	KZN165R	11/00	04/05	4	3.0L	1KZ-TE	SOHC	8V	TGP030	
Hilux	KUN16R	03/05	12/11	4	3.0L	1KD-FTV	DOHC	16V	TGP030	
Hilux	KUN26R	03/05	12/10	4	3.0L	1KD-FTV	DOHC	16V	TGP030	Check illustrations for correct application
Hilux Surf	LN130(G, W)	08/90	08/93	4	2.4L	2L-TE	SOHC		TGP015	
Hilux Surf	LN131V	04/89	08/93	4	2.8L	3L			TGP015	
Hilux Surf	KZN130 - KZN185W	01/93	08/00	4	3.0L	1KZ-TE	SOHC	8V	TGP030 TGP082	Check illustrations for correct application
Hilux Surf	KDN185(G), KDN215	08/00	01/06	4	3.0L	1KD-FTV	DOHC	16V	TGP030	
Landcruiser (4 Cyl)		12/77	09/80	4	3.0L	B	OHV		TGP040	
Landcruiser (4 Cyl)	BJ42	10/80	12/84	4	3.4L	3B	OHV	8V	TGP038 TGP048	Check illustrations for correct application
Landcruiser (4 Cyl)	BJ70	11/84	02/90	4	3.4L	3B	OHV	8V	TGP038 TGP040 TGP047 TGP048	Check illustrations for correct application
Landcruiser (4 Cyl)	BJ73	11/84	03/90	4	3.4L	3B	OHV	8V	TGP038 TGP048	Check illustrations for correct application
Landcruiser (4 Cyl)	LJ78	01/90	01/94	4	2.4L	2L-TE	SOHC	8V	TGP015	
Landcruiser (5 Cyl)	PZJ70	03/90	02/91	5	3.5L	1PZ	SOHC	10V	TGP048	
Landcruiser (5 Cyl)	PZJ73	03/90	02/91	5	3.5L	1PZ			TGP038	
Landcruiser (6 Cyl)	HJ45	09/77	07/80	6	3.6L	H	OHV	12V	TGP038 TGP048	Check illustrations for correct application
Landcruiser (6 Cyl)	HJ47	10/80	12/84	6	4.0L	2H	OHV	12V	TGP038 TGP048	Check illustrations for correct application
Landcruiser (6 Cyl)	HJ60	11/80	04/90	6	4.0L	2H	OHV	12V	TGP040 TGP047 TGP048	Check illustrations for correct application
Landcruiser (6 Cyl)	HJ61	02/86	12/91	6	4.0L	12H-T	OHV	12V	TGP047	
Landcruiser (6 Cyl)	HJ75	11/84	04/90	6	4.0L	2H	OHV	12V	TGP038 TGP040 TGP048	Check illustrations for correct application
Landcruiser (6 Cyl)	HDJ78R	11/01	02/07	6	4.2L	1HD-FTE	SOHC	24V	TGP047	
Landcruiser (6 Cyl)	HDJ80(R)	05/90	12/98	6	4.2L	1HD-(F)T	SOHC	24V	TGP038	
Landcruiser (6 Cyl)	HDJ81	01/90	01/95	6	4.2L	1HD-T	SOHC	12V	TGP015	
Landcruiser (6 Cyl)	HDJ100, HDJ101	01/00	10/07	6	4.2L	1HD-FTE	SOHC	24V	TGP083	

Vehicle Application List

Make & Model		Year		Engine					Glow Plug Part No.	Comments
		Start	Finish	Cyl	Size	Model	Cam	Valves		
Toyota cont.										
Landcruiser (6 Cyl)	HZJ70 - HZJ80R	01/90	02/07	6	4.2L	1HZ	SOHC	12V	TGP038 TGP048 TGP083	Check illustrations for correct application
Landcruiser (6 Cyl)	HZJ105(R)	03/98	10/07	6	4.2L	1HDFTE, 1HZ	SOHC		TGP083	
Lite-Ace	CM20, CM35	01/83	12/87	4	1.8L	1C	OHV		TGP038 TGP039 TGP040	Check illustrations for correct application
Lite-Ace	CM36	05/87	03/92	4	2.0L	2C	OHV		TGP038	
Lite-Ace	CR42	01/99	01/01	4	2.2L	3C	SOHC		TGP038	
Lite-Ace	CR52	01/99	01/01	4	2.2L	3CT	SOHC		TGP082	
Prado	KZJ78	01/93	01/96	4	3.0L	1KZ-TE	SOHC	8V	TGP082	
Prado	KDJ90 - KDJ155	01/00	12/11	4	3.0L	1KD-FTV, TE	DOHC	16V	TGP030	
Prado	KZJ90 - KZJ120R	01/96	10/06	4	3.0L	1KZ-TE	SOHC	8V	TGP030	
RAV4	CDA20	01/02	01/03	4	2.0L	1CD-FTV	DOHC	16V	TGP030	
Starlet	NP90	01/96	07/99	4	1.5L	1N	SOHC	8V	TGP038	
Tarago	CR21	01/83	12/88	4	2.0L	2C			TGP038 TGP039 TGP040	Check illustrations for correct application
Townace	CR27 (NZ Only)	01/83	12/96	4	2.0L	2C	SOHC	8V	TGP038	
Townace	CR42 (NZ Only)	01/99	01/01	4	2.2L	3C	SOHC	8V	TGP038	
Townace	CR52 (NZ Only)	01/99	01/01	4	2.2L	3CT	SOHC	8V	TGP082	
Toyo-Ace	LY30	03/82	08/83	4	2.2L	L			TGP015	
Toyo-Ace	LY31	09/83	01/85	4	2.4L	2L	OHV		TGP038	
Toyo-Ace	LY61	10/88	06/95	4	2.8L	3L	SOHC	8V	TGP015	
Volkswagen										
Amarok	TDI 400	02/11	12/11	4	2.0L	CDCA	DOHC	16V	TGP023	
Beetle (New)	1.9 TDi	11/05	12/11	4	1.9L	BSW	SOHC	8V	TGP021 TGP022	Check illustrations for correct application
Caddy	TDI250	12/10	12/11	4	1.6L	CAYD	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Caddy	1.9 TDi	01/05	07/06	4	1.9L	BJB	SOHC	8V	TGP024	
Caddy	1.9 TDi	08/06	11/10	4	1.9L	BLS	SOHC	8V	TGP022	
Caddy	TDI320	12/10	12/11	4	2.0	CFHC	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Caravelle	2.5 TDi	09/00	06/05	5	2.5L	AUF, ACV	SOHC	10V	TGP044	
Crafter	2.5	01/06	01/07	5	2.5L	BJM	DOHC	25V	TGP024	
Crafter 35	2.5 TDi	03/07	12/11	5	2.5L	BJK, BJL, BJM	SOHC	10V	TGP024	
EOS	2.0 TDi	03/07	07/08	4	2.0L	BMM	DOHC	16V	TGP024	
EOS	103 TDi	08/08	12/11	4	2.0L	CBAB	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Golf	1.5 - Diesel	03/78	12/82	4	1.5L	CK	SOHC		TGP036	
Golf	1.6 TDi	01/09	12/11	4	1.6L	CAYC	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Golf	1.9 TDi	10/95	12/98	4	1.9L	1Y/AFN	SOHC		TGP036	
Golf	1.9 TDi	01/97	01/03	4	1.9L	AHF, ATD	SOHC	8V	TGP021 TGP022 TGP044	Check illustrations for correct application
Golf	1.9 TDi	08/04	03/08	4	1.9L	BKC, BXE, BLS	SOHC	8V	TGP024	
Golf	2.0 TDi	01/04	12/11	4	2.0L	BKD, BMN	DOHC	16V	TGP024	
Golf	103 TDi, GTD - Incl. Comfortline	01/09	12/11	4	2.0L	CBAB, CBBB, CFF, CFH	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Jetta	1.9 TDi	01/06	01/07	4	1.9L	BXE	SOHC	8V	TGP024	
Jetta	2.0 TDi	02/06	01/09	4	2.0L	BKD	DOHC	16V	TGP024	
Jetta	1.6, 2.0 TDi	01/08	12/11	4	1.6L, 2.0L	CAYC, CBD, CEGA	DOHC	16V	TGP023 TGP094	Check illustrations for correct application
Kombi	1.9 TDi	07/06	04/09	4	1.9L	AXB	SOHC	8V	TGP021 TGP022	Check illustrations for correct application
LT 35	2.5 TDi	03/03	12/06	5	2.5L	AVR	SOHC	10V	TGP044	
LT 35	2.8 TDi	08/04	07/06	4	2.8L	BBF	SOHC	12V	TGP044	
LT 35	2.8 TDi	08/04	03/07	4	2.8L	AUH	SOHC	12V	TGP088	
LT 45	2.8 TDi	03/03	12/06	4	2.8L	AUH, BCQ			TGP088	
LT 46	2.5	03/03	02/07	5	2.5L	ANJ, AVR	SOHC	10V	TGP044	
LT 46	2.8 TDi	03/03	02/07	4	2.8L	AUH	SOHC	12V	TGP088	
Passat	1.5	01/79	12/82	4	1.5L	CK			TGP036	

Make & Model		Year		Cyl		Size		Engine			Glow Plug Part No.	Comments
		Start	Finish					Model	Cam	Valves		
Volkswagen cont.												
Passat	1.9 TDi	01/02	01/03	4	1.9L	AVF	DOHC	16V	TGP021 TGP022 TGP044	Check illustrations for correct application		
Passat	1.9 TDi	01/08	01/11	4	1.9L	BLS	SOHC	8V	TGP024			
Passat	2.0 TDi	01/07	01/08	4	2.0L	BMP	DOHC	16V	TGP024			
Passat	2.0 TDi - Incl. CC	02/09	12/11	4	2.0L	CBAB, CBBB	DOHC	16V	TGP023 TGP094	Check illustrations for correct application		
Passat	2.5 TDi	01/01	01/03	V6	2.5L	AKN	DOHC	24V	TGP086			
Phaeton	4.9 TDi	01/04	01/07	V10	4.9L	AJS	DOHC	40V	TGP021 TGP022	Check illustrations for correct application		
Phaeton	3.0 TDi (NZ Only)	01/06	01/08	V6	3.0L	BMK	DOHC	24V	TGP023			
Polo	9N	01/06	01/07	3	1.4L	BNV	SOHC	6V	TGP021 TGP022	Check illustrations for correct application		
Polo	1.4 TDi	01/07	01/08	3	1.4L	BMS	SOHC	6V	TGP024			
Polo	1.6 TDi	05/10	12/11	4	1.6L	CAYB	DOHC	16V	TGP023 TGP094	Check illustrations for correct application		
Polo	1.9 TDi	10/05	09/08	4	1.9L	AXR	SOHC	8V	TGP021 TGP022	Check illustrations for correct application		
Tiguan	TDi - Turbo Diesel	05/08	10/08	4	2.0L	CBAB	DOHC	16V	TGP023 TGP094	Check illustrations for correct application		
Tiguan	103 TDi - MY11	09/10	12/11	4	2.0L	CFF	DOHC	16V	TGP022 TGP023	Check illustrations for correct application		
Touareg	2.5 TDi	10/04	12/11	5	2.5L	BAC	SOHC	10V	TGP021			
Touareg	2.5 TDi	10/04	11/09	5	2.5L	BPE	SOHC	20V	TGP024			
Touareg	3.0 - V6 TDi	11/06	12/11	V6	3.0L	BKS	DOHC	24V	TGP023			
Touareg	3.0 - V6 TDi	11/07	12/11	V6	3.0L	CASA	DOHC	24V	TGP023			
Touareg	4.2 - V8 TDi	01/10	12/11	V8	4.2L	CKD	DOHC	32V	TGP023			
Touareg	4.9 V10 TDi	09/04	12/11	V10	4.9L	AYH	SOHC	20V	TGP021 TGP022	Check illustrations for correct application		
Touareg	4.9 - V10 TDi	03/07	02/10	V10	4.9L	CBW		40V	TGP024			
Touareg	4.9 - V10 TDi	11/06	08/10	V10	4.9L	BLE		40V	TGP024			
Touran	2.0 TDi - (NZ Only)	01/07	01/08	4	2.0L	BMM	DOHC	16V	TGP024			
Transporter	1.9 TDi - T5	07/04	12/11	4	1.9L	AXB, AXC	SOHC	8V	TGP021 TGP022	Check illustrations for correct application		
Transporter	1.9 TDi - T5	08/04	05/10	4	1.9L	BRR, BRS	SOHC	8V	TGP024			
Transporter	2.4 TDi - T4	01/95	06/99	5	2.4L	AAB		10V	TGP036			
Transporter	2.4 TDi - T4	01/97	01/99	5	2.4L	AJA		10V	TGP036			
Transporter	2.5 TDi - T4	10/99	12/04	5	2.5L	AUF, ACV, AYC			TGP044			
Transporter	2.5 TDi - T5	07/04	12/11	5	2.5L	AXD, AXE			TGP021 TGP022	Check illustrations for correct application		
Transporter	2.5 TDi - T5	08/04	02/10	5	2.5L	BNZ, BPC	SOHC	10V	TGP024			
Volvo												
C30	2.4TDi	01/07	10/09	5	2.4L	D5244T	DOHC	16V	TGP065 TGP078	Check illustrations for correct application		
C30	2.0 TDi	11/09	08/10	4	2.0L	D4204T	DOHC	16V	TGP009			
S40	TF93, TF97	03/07	10/09	5	2.4L	D5244T	DOHC	16V	TGP065 TGP078	Check illustrations for correct application		
S40	2.0 TDi	11/09	08/10	4	2.0L	D4204T	DOHC	16V	TGP009			
S60	D5	12/10	12/11	5	2.4L	D5244T	DOHC	20V	TGP065			
S80	2.4 TDi - D5	01/07	08/10	5	2.4L	D5244T	DOHC	20V	TGP065			
V50		03/07	10/09	5	2.4L	D5244T	DOHC	20V	TGP065 TGP078	Check illustrations for correct application		
V50		11/09	10/10	4	2.0L	D4204T	DOHC	16V	TGP009			
XC60	2.4 - D5 Twin Turbo	03/09	09/09	5	2.4L	D5244T	DOHC	24V	TGP065			
XC70	2.4TDi - D5	01/05	10/09	5	2.4L	D5244T4	DOHC	20V	TGP065			
XC90	D5	10/06	12/11	5	2.4L	D5244T4	DOHC	20V	TGP065			



Glow Plugs

This section assists with the identification of Tridon's extensive range of glow plugs. Photographs, dimensions and technical information is shown for each Tridon part number.

The Tridon glow plug range has been developed to meet or exceed original equipment manufacturer's specifications. As the glow plug must be compatible with the vehicle's engine, starting and engine electrical system, always refer to the vehicle application list to ensure the correct part number is selected.

TRIDON 

Function

Unlike petrol engines, diesel engines do not use a coil and spark plug ignition system to ignite the air fuel mix.

Diesel engines are designed with much higher compression ratios than petrol engines, this is to allow heat compression ignition of the slower burning diesel fuel mixture.

Therefore in a diesel engine, ignition is achieved as a result of the heat produced as part of the compression of the air/fuel mixture. In cold conditions the compressed air/fuel mixture may not ignite as the combustion chamber components absorb the heat which is produced, reducing the engines ability to start.

The glow plug is a key component of a diesel engine, designed to assist during cold start conditions by providing a brief and targeted heat source. This is achieved by the glow plug heating element which protrudes into the cylinder, usually located in the pre-combustion chamber or cylinder head. The glow plug element is designed to glow (heat) for a predetermined period of time to increase the temperature within the cylinder, resulting in easier starting and smoother cold running conditions.

Design

Tridon glow plugs are of double coil design for both pre-heating (2-6 seconds) and post heating (up to 3 minutes after start), to assist with start up and cold engine running conditions.

Replacement

When glow plugs are replaced, it is important that all other glow plug system components are serviceable. This includes;

- Testing relays and control units to ensure that they are functioning correctly.
- Ensuring the thread is free of contaminants and an appropriate grease applied to prevent corrosion.
- Tensioning the glow plug to the vehicle manufacturer's recommended torque.
- The terminal nut must be tensioned to the specification outlined within the Tridon Identification Guide if the glow plug has a terminal and nut & thread connection.

When selecting a glow plug for your vehicle it is also important to ensure it is compatible with the engine, engine electrical and starting system to prevent premature failure of the glow plug or other engine or electrical components.

Symbol Reference Guide



Function

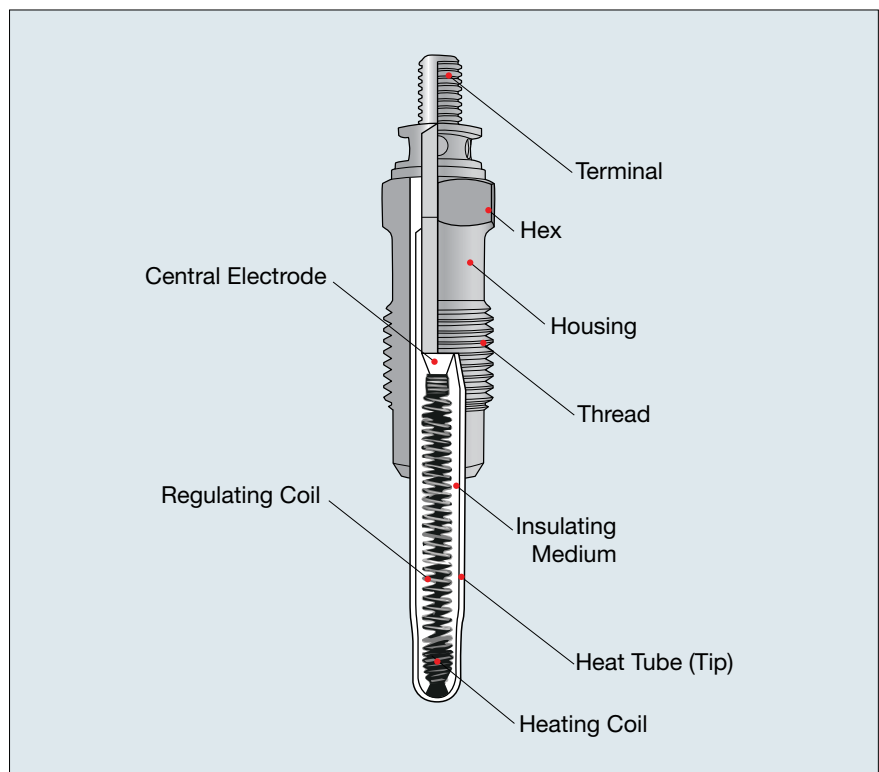
Packaging

Packaging

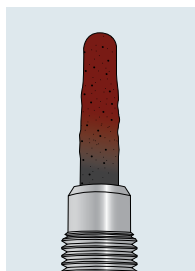
Tridon glow plugs are packaged in attractive clamshell style blisters. The product can be viewed without destruction of the packaging to ensure that the right part has been selected. The part number is clearly marked on the front of the packaging, technical information and specifications are included on the back.



Glow Plug Components

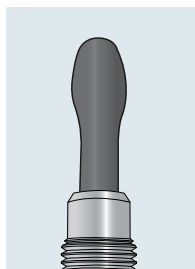


Troubleshooting



Corrosion on the Tip

- Cause** Moisture inside the combustion chamber. Commonly caused by a failed cylinder head or cylinder head gasket.
- Remedy** Engine fault should be corrected and glow plugs replaced.



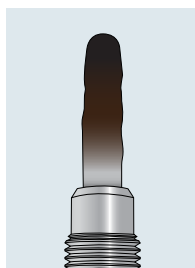
Swollen Tip

- Cause** Generally caused by a faulty glow plug, moisture has entered the plug internally and made it swell.
- Remedy** Replace glow plugs.



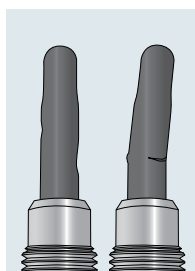
Snapped-Off Tip

- Cause** Incorrectly directed fuel injection delivery.
- Remedy** The injector must be cleaned, repaired or replaced and a new glow plug must be installed. The engine should also be checked for internal damage from the loose glow plug material.



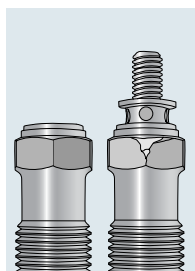
Carbon Deposits or Build Up

- Cause** Carbon builds up on glow plug tip which can cause a premature failure of the glow plug or indicate an underlying fault with the vehicle. Can be caused by a leaking valve stem seal, leaking injectors or blow by.
- Remedy** Vehicle fault must be rectified and new glow plugs must be installed.



Out of Shape, Melted or Creased Tip

- Cause** Injector commencing to spray fuel too early or electrical fault causing excess heat at glow plug tip, oil consumption or faulty valve stem seals. This can cause the tip of the glow plug to overheat and fail prematurely.
- Remedy** Injector pump and injector timing or electrical fault should be corrected and new glow plugs fitted.



Snapped, Twisted or Damaged Hex

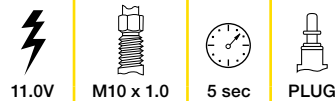
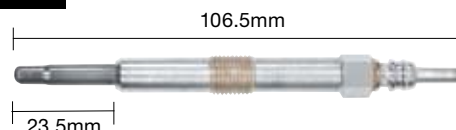
- Cause** Brake or twist caused by incorrect tool, seized thread or over tension of the glow plug or thread nut. If used, the damaged glow plug can cause a short circuit.
- Remedy** The glow plug must be replaced and reinstalled using the correct tool at the correct torque. Correct terminal nut torque specifications are outlined within the Tridon identification guide.



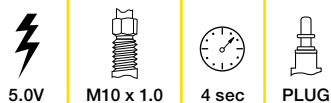
TGP001



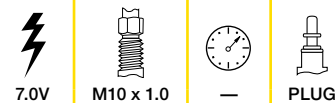
TGP002



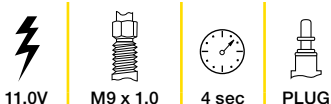
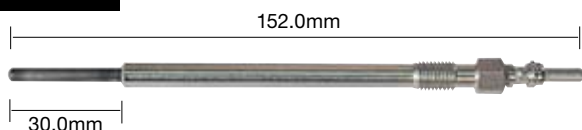
TGP003



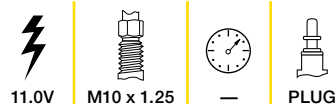
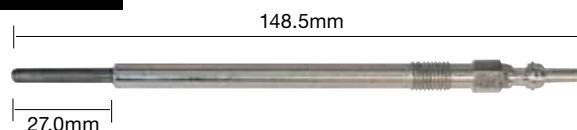
TGP004



TGP005



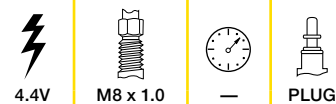
TGP006



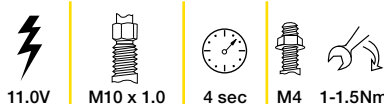
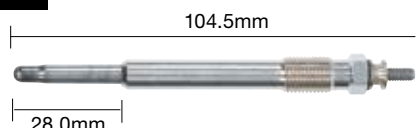
TGP007



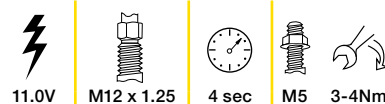
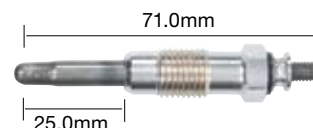
TGP008



TGP009



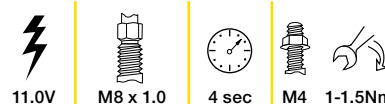
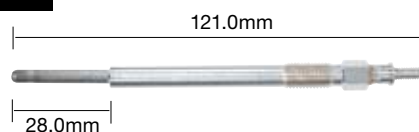
TGP010



TGP011



TGP012



TGP013



11.0V



M10 x 1.0



4 sec



PLUG

TGP015



11.0V



M10 x 1.25



4 sec



M4 1-1.5Nm

TGP017



11.0V



M8 x 1.0



—



PLUG

TGP018



11.0V



M8 x 1.0



4 sec



PLUG

TGP019



11.0V



M10 x 1.25

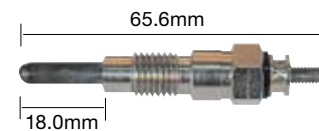


4 sec



M4 1-1.5Nm

TGP020



11.0V



M10 x 1.25



6 sec



M4 1-1.5Nm

TGP021



11.0V



M12 x 1.25

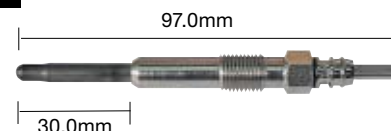


4 sec



PLUG

TGP022



11.0V



M10 x 1.0

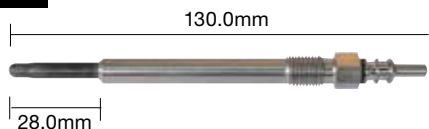


4 sec



PLUG

TGP023



4.4V



M10 x 1.0



—



PLUG

TGP024



5.0V



M10 x 1.0



4 sec



PLUG

TGP026



11.0V



M10 x 1.0



—



M4 1-1.5Nm

TGP027



11.0V



M10 x 1.0

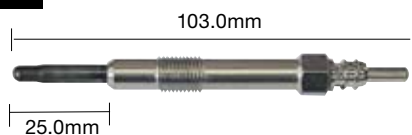


—



PLUG

TGP028



11.0V



M10 x 1.0

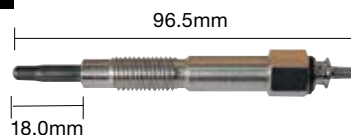


4 sec



PLUG

TGP029



11.0V



M10 x 1.25



4 sec



M4 1-1.5Nm

TGP030



11.0V



M10 x 1.25

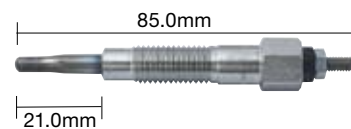


4 sec



M4 1-1.5Nm

TGP031



11.0V



M10 x 1.25



4 sec



M4 1-1.5Nm

TGP032



11.0V



M8 x 1.0



4 sec



PLUG

TGP033



5.0V



M10 x 1.25

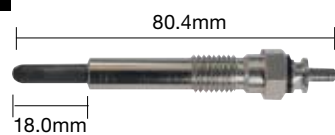


19 sec



M4 1-1.5Nm

TGP034



11.0V



M10 x 1.25



10 sec



M4 1-1.5Nm

TGP035



11.0V



M10 x 1.25

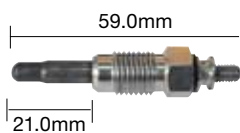


6 sec



M4 1-1.5Nm

TGP036



11.0V



M12 x 1.25



4 sec



M5 3-4Nm

TGP037



11.0V



M10 x 1.0

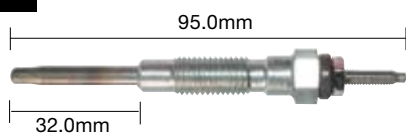


5 sec



PLUG

TGP038



11.0V



M10 x 1.25

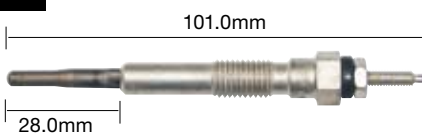


5 sec



M4 1-1.5Nm

TGP039



7.0V



M10 x 1.25

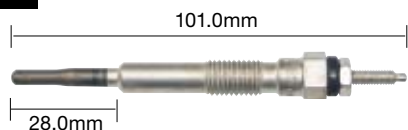


20 sec



M4 1-1.5Nm

TGP040



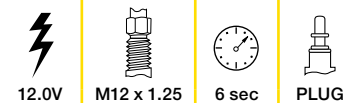
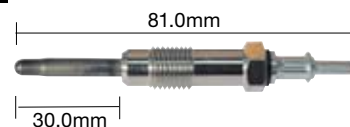
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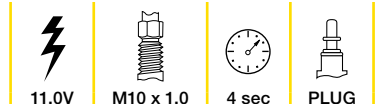
TGP042



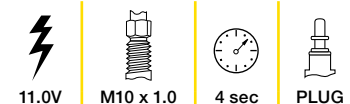
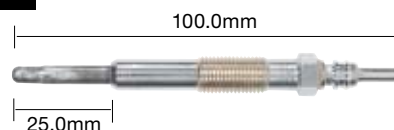
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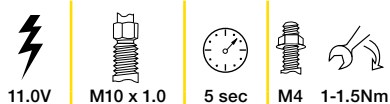
TGP044



TGP045



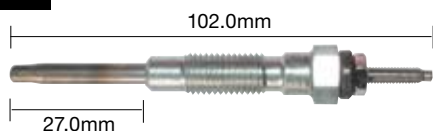
TGP046



TGP047



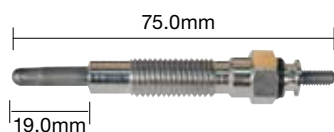
TGP048



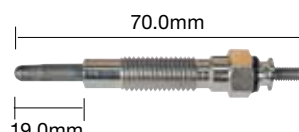
TGP049



TGP050



TGP051



TGP052



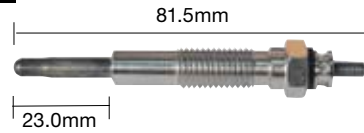
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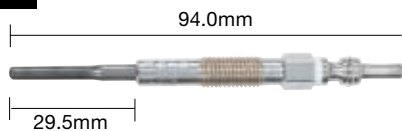
TGP054



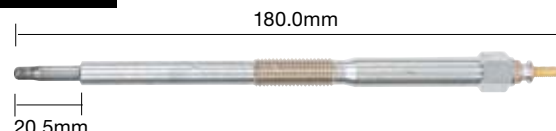
TGP055



TGP056



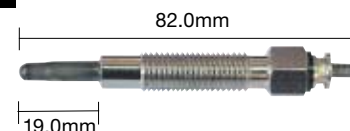
TGP057



TGP059



TGP060



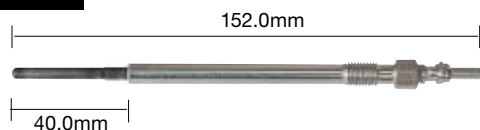
TGP061



TGP063



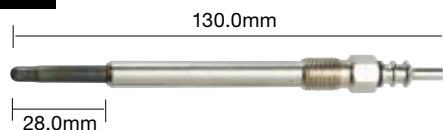
TGP064



TGP065



TGP066



11.5V



M10 x 1.0



4 sec



PLUG

TGP067



11.5V



M10 x 1.0



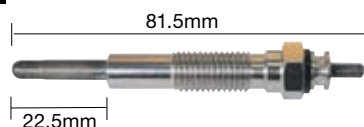
4 sec



M4

1-1.5Nm

TGP068



11.0V



M10 x 1.0



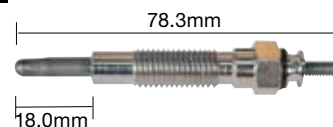
10 sec



M4

1-1.5Nm

TGP069



11.0V



M10 x 1.25



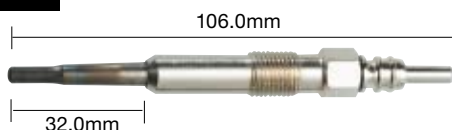
4 sec



M4

1-1.5Nm

TGP070



11.0V



M10 x 1.0

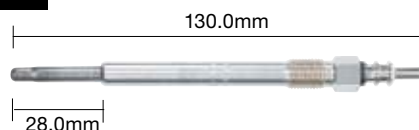


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PLUG

TGP071



11.0V



M10 x 1.0

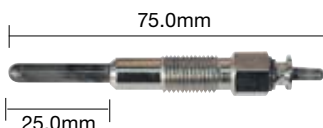


4 sec



PLUG

TGP072



11.0V



M10 x 1.0



5 sec



M4

1-1.5Nm

TGP073



11.0V



M10 x 1.25



6 sec



M4

1-1.5Nm

TGP074



23.0V



M10 x 1.25



10 sec



M4

1-1.5Nm

TGP075



8.5V



M10 x 1.25



19 sec



M4

1-1.5Nm

TGP076



6.5V



M10 x 1.25



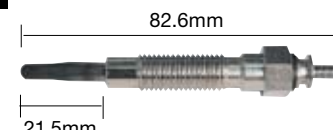
5 sec



M4

1-1.5Nm

TGP077



6.5V



M10 x 1.25



5 sec



M4

1-1.5Nm

TGP078



7.0V



M8 x 1.0



—

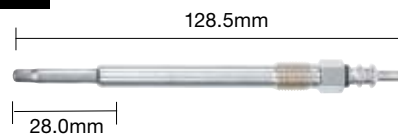


M4



1-1.5Nm

TGP079



11.5V



M10 x 1.0



4 sec



PLUG

TGP080



11.0V



M10 x 1.25



4 sec



M4



1-1.5Nm

TGP081



11.0V



M10 x 1.25



4 sec



M4



1-1.5Nm

TGP082



11.0V



M10 x 1.25



6 sec



M4



1-1.5Nm

TGP083



11.0V



M10 x 1.25



—

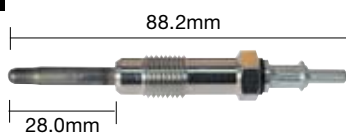


M4



1-1.5Nm

TGP084



11.5V



M12 x 1.25



4 sec



PLUG

TGP085



11.0V



M12 x 1.25



5 sec

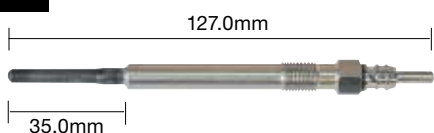


M5



3-4Nm

TGP086



12.0V



M10 x 1.0

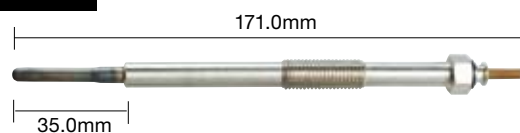


8 sec



PLUG

TGP087



11.0V



M10 x 1.25



4 sec



M4



1-1.5Nm

TGP088



11.5V



M10 x 1.0



—



PLUG

TGP089



11.0V



M10 x 1.0



4 sec



M4



1-1.5Nm

TGP090



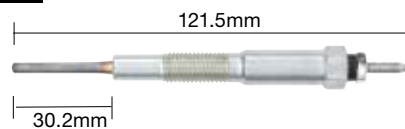
TGP091



TGP092



TGP093



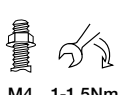
TGP094



TGP095



TGP096



Cross Reference

BOSCH	Tridon
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0 250 200 054	TGP001
0 250 201 026	TGP007
0 250 201 027	TGP085
0 250 201 032	TGP036
0 250 201 035	TGP090
0 250 201 035	TGP091
0 250 201 036	TGP021
0 250 201 038	TGP090
0 250 201 039	TGP001
0 250 201 041	TGP007
0 250 201 042	TGP001
0 250 201 042	TGP010
0 250 201 046	TGP036
0 250 201 047	TGP007
0 250 202 004	TGP075
0 250 202 006	TGP015
0 250 202 007	TGP055
0 250 202 008	TGP033
0 250 202 009	TGP044
0 250 202 022	TGP037
0 250 202 022	TGP044
0 250 202 023	TGP021
0 250 202 023	TGP022
0 250 202 025	TGP089
0 250 202 026	TGP084
0 250 202 028	TGP042
0 250 202 029	TGP071
0 250 202 032	TGP009
0 250 202 032	TGP011
0 250 202 036	TGP028
0 250 202 039	TGP079
0 250 202 040	TGP092
0 250 202 045	TGP066
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0 250 202 054	TGP053
0 250 202 058	TGP040
0 250 202 060	TGP059
0 250 202 065	TGP052
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0 250 202 071	TGP050
0 250 202 076	TGP047
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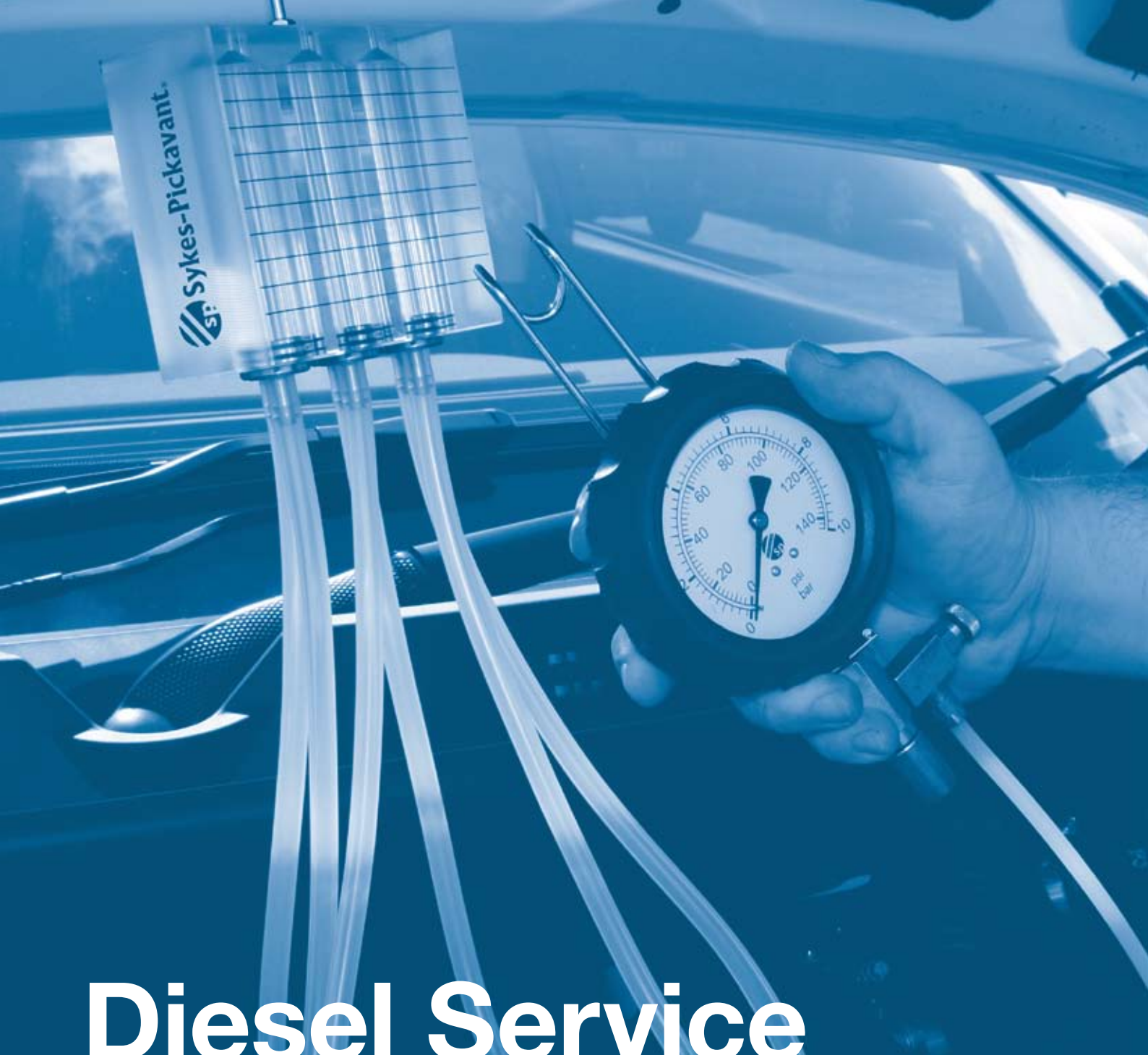
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0 250 202 102	TGP086
0 250 202 103	TGP013
0 250 202 107	TGP049
0 250 202 121	TGP081
0 250 202 124	TGP087
0 250 202 125	TGP030
0 250 202 128	TGP063
0 250 202 129	TGP045
0 250 202 130	TGP067
0 250 202 131	TGP041
0 250 202 132	TGP027
0 250 202 132	TGP028
0 250 202 135	TGP011
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0 250 203 001	TGP027
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0 250 203 004	TGP017
0 250 204 001	TGP012
0 250 204 002	TGP006
0 250 204 002	TGP032
0 250 312 001	TGP080
0 250 312 002	TGP029
0 250 312 007	TGP069
0 250 402 001	TGP024
0 250 402 002	TGP003
0 250 403 001	TGP065
0 250 403 001	TGP078
0 250 403 003	TGP056
0 250 403 006	TGP008
0 250 403 007	TGP023
0 250 403 007	TGP094
0 250 603 002	TGP070
0 250 603 006	TGP003
0 250 603 006	TGP004
0 250 603 008	TGP078
GLP-011	TGP045
GLP-015	TGP085
GLP-031	TGP086
GLP-032	TGP042
GLP-046	TGP034
GLP-072	TGP073
GLP-096	TGP033
GLP-103	TGP052
GLP-115	TGP017
GLP-160	TGP074
GLP-179	TGP056
GLP-185	TGP050
GLP-5	TGP078

BOSCH cont.	Tridon
GPF-117	TGP069
GPH-409	TGP095
GPI-005	TGP033
GPI-005	TGP073
GPI-010	TGP052
GPI-014	TGP034
GPI-026	TGP035
GPK-900	TGP046
GPK-901	TGP006
GPM-515	TGP019
GPM-904	TGP087
GPN 341	TGP031
GPN-308	TGP050
GPN-322	TGP020
GPN-327	TGP059
GPN-328	TGP061
GPN-330	TGP080
GPN-331	TGP029
GPN-338	TGP060
GPN-900	TGP054
GPN-908	TGP076
GPN-908	TGP077
GPN-909	TGP076
GPN-909	TGP077
GPS-900	TGP026
GPT-212	TGP039
GPT-216	TGP053
GPT-225	TGP082
GPT-228	TGP048
GPT-901	TGP030
GPT-902	TGP083
GSK	TGP066
GSK2	TGP003
GSK2-HS	TGP024
HKT	Tridon
B-074	TGP092
B-078	TGP007
B-080	TGP036
B-081	TGP001
B-082	TGP090
B-085	TGP089
B-095	TGP091
B-099	TGP066
B-099	TGP071
B-099	TGP079
B-101	TGP067
B-110	TGP046
B-118	TGP002
B-120	TGP006
BO-67	TGP084
BO-81	TGP085
CP-01	TGP080

HKT cont.	Tridon
CP-04	TGP031
CP-07	TGP069
CP-22	TGP082
CP70	TGP076
CP70	TGP077
CP71	TGP076
CP71	TGP077
CP-72	TGP057
CP-73	TGP054
PD-190	TGP039
PD-190	TGP075
PI-172	TGP035
PI-46	TGP033
PI-49	TGP052
PI-57	TGP034
PI-58	TGP073
PI-59	TGP034
PM-164	TGP068
PM-167	TGP069
PM-167	TGP081
PM-168	TGP087
PN-120	TGP050
PN-123	TGP020
PN-124	TGP051
PN-129	TGP080
PN-135	TGP059
PN-136	TGP061
PN-138	TGP060
PT-100	TGP075
PT-104	TGP075
PT-107	TGP039
PT-140	TGP053
PT-141	TGP047
PT-145	TGP040
PT-151	TGP015
PT-153	TGP048
PT-157	TGP030
PT-158	TGP083
PZ-31	TGP049
PZ-33	TGP049
PZ-33	TGP055
PZ-35	TGP019
PZ-39	TGP019
NGK	Tridon
CX-91	TGP076
CX-91	TGP077
CY-01	TGP029
CY-02	TGP029
CY-07	TGP069
CY-52	TGP029
CY55	TGP081
CY57	TGP069

NGK cont.	Tridon
CZ-71	TGP054
CZ-91	TGP076
CZ-91	TGP077
Y-1005J	TGP011
Y-1007J	TGP087
Y-104R	TGP033
Y-107R	TGP019
Y-107R	TGP055
Y-107T	TGP055
Y-107Y	TGP019
Y-112M1	TGP020
Y-112M1	TGP051
Y-115T1	TGP059
Y-118R	TGP053
Y-118T1	TGP015
Y-128T	TGP075
Y-146R	TGP039
Y-146R	TGP040
Y-146R	TGP075
Y-147T	TGP040
Y-154-RS	TGP052
Y-157R	TGP049
Y-162R1	TGP051
Y-178T	TGP047
Y-181T	TGP050
Y-197R	TGP047
Y-197T	TGP047
Y-197T	TGP048
Y207T	TGP036
Y-207T	TGP036
Y-208T	TGP001
Y-306R	TGP033
Y-501U	TGP086
Y-502R	TGP072
Y-504J	TGP009
Y-504J	TGP042
Y504R	TGP009
Y-504R	TGP009
Y-504R	TGP011
Y-504R	TGP042
Y-507J	TGP013
Y-507R	TGP003
Y-507R	TGP013
Y516J	TGP045
Y-517J	TGP063
Y-524J	TGP041
Y-525J	TGP067
Y-531J	TGP030
Y-534J	TGP028
Y-547AS	TGP003
Y-607AS	TGP024
Y-701J	TGP019
Y-701R	TGP019

NGK cont.	Tridon
Y-705RS	TGP020
Y-707RS	TGP059
Y-710J	TGP073
Y-710R	TGP073
Y-711J	TGP034
Y-711RS	TGP034
Y-712RS	TGP060
Y-715R	TGP015
Y-719RS	TGP034
Y-719RS1	TGP034
Y-719RS1	TGP035
Y-729U	TGP092
Y-730U	TGP089
Y-732J	TGP044
Y-732U	TGP044
Y-733J	TGP068
Y-733J	TGP069
Y-741U	TGP021
Y-741U	TGP022
Y-745U	TGP026
Y-745U	TGP066
Y-745U	TGP071
Y-745U	TGP079
Y-8003J	TGP018
Y-904M	TGP052
Y-904M1	TGP052
Y916J	TGP007
Y-918J	TGP036
Y-924	TGP010
Y-924J	TGP001
Y-924J	TGP010
Y-924J	TGP064
Y-924J	TGP085
Y-925J	TGP090
Y-925R	TGP090
Y-929U	TGP084
Y-930U	TGP091
Y938R	TGP010
YE04	TGP012
YE-05	TGP032
YE06	TGP018
YE07	TGP005
YE12	TGP017
YI-03	TGP033
YI-03	TGP073



Diesel Service & Repair Tools

This section highlights a selection of diesel diagnostic, service and repair tools available from Toledo and Sykes-Pickavant.

Toledo is an industry leading brand synonymous with high performance and reliability offering an extensive range of workshop service tools. Sykes-Pickavant has been manufacturing and distributing tools in Europe since 1921. The brand is well known worldwide as a guarantee of quality products and services.

For details of the complete range refer to the respective catalogues, contact Tridon Customer Service or visit www.tridon.com.au.

TRIDON





FAMOUS
TOLEDO

Glow Plug Connector Pliers, 90°

Part No. 304038

- For removal of stubborn, hard to reach glow plug connectors
- Suits most late model diesel vehicles



FAMOUS
TOLEDO

Glow Plug Socket Set with Clip, Jointed, 3/8" Sq. Dr.

Part No. 304043

- Removes and replaces glow plugs
- Designed to grip glow plug
- Universal joint for restricted access
- Sizes: 8, 9, 10, 12, 14, 16mm, length: 150mm
- Made from chrome vanadium steel
- 6 piece set



FAMOUS
TOLEDO

Glow Plug Joint Socket Set

Part No. 304044

- 3/8" Sq. Dr. glow plug socket sizes: 8, 9, 10, 12, 14, 16mm
- Length: 160mm
- Hardened and tempered chrome vanadium sockets
- 9 piece set



FAMOUS
TOLEDO

CDI Glow Plug Puller

Part No. 304045

- Removes glow plugs in the cylinder head where carbonisation has occurred
- Eliminates the need to remove the cylinder head
- Fits all Mercedes 10mm glow plugs, engine codes 611, 612, 613 etc.



FAMOUS
TOLEDO

Diesel Engine Compression Tester (Commercial Vehicle)

Part No. 304450

- Comprehensive kit for checking compression on both direct and indirect diesel injected engines
- Also ideally suited to marine and industrial engines
- Dual scale 100mm gauge 0-1000PSI and 0-70 bar
- Flexible hose provides easier access within confined spaces
- Instruction manual included



FAMOUS
TOLEDO

Diesel Engine Compression Tester (Passenger Vehicle)

Part No. 304500

- Comprehensive kit for checking compression on both direct and indirect diesel injected engines
- Also ideally suited to marine and industrial engines
- Small profile, snap release coupling system
- Dual scale 100mm gauge 0-1000PSI and 0-70 bar
- Flexible hose provides easier access within confined spaces
- Instruction manual included



FAMOUS
TOLEDO

Diesel Engine Compression Adaptor Set (CVS)

Part No. 304550

- Easy and economical conversion for your current Toledo **304500** Diesel Engine Compression Tester to cover commercial applications
- Compression gauge set to enable more comprehensive compression testing on a wide range of commercial trucks, tractors, some marine and industrial type engines
- Instruction manual included



FAMOUS
TOLEDO

Common Rail Diesel (CRD) Injector Return Flow Pressure Measurement Tester

Part No. 307004

- Direct measurement of return flow from the injector enables poorly performing injectors to be identified
- Suitable for testing the condition of a Piezo Pass or Fail Statement
- Suits: Bosch, VDO/Siemens and Delphi systems



FAMOUS
TOLEDO

Flow Meter, Common Rail Diesel (CRD) Adaptor Set, Release Type

Part No. 307007

- Efficient and accurate measurement of fuel return from the injectors to the deposit tank in order to identify damaged or non-performing injectors
- Kit includes 24 injector adaptors
- Direct measurement of return flow of the injector
- Simultaneous measurement of up to six injectors
- Suits Bosch, Siemens, Denso and Delphi systems



FAMOUS
TOLEDO

Common Rail Diesel (CRD) Return Fuel Tester

Part No. 307008

- Accurately and efficiently tests the amount of fuel returned to the fuel tank to subsequently identify any damaged or faulty injectors
- Each bottle consists of two separated compartments to isolate any impurities and prevent them from re-entering the fuel tank
- Simultaneous measurement of up to 6 injectors



FAMOUS
TOLEDO

Torque Screwdrivers

Part No. CTD-1 / CTD-2

- Torque meter window clearly indicates torque measurement
- Locking torque setting for continuous use without resetting
- Includes 6mm, 7mm and 8mm sockets
- Torque range 1-5Nm
- Packed in a protective blow mould case
- Ideal for tightening glow plug terminal nuts safely

Part No.	Description
CTD-1	Short Driver Head
CTD-2	Long Driver Head



 Sykes-Pickavant.

Injector Remover Kit with Slide Hammer

Part No. 085800

- For the removal of Bosch and Delphi injectors
- Special Hex designed adaptors, allow use of impact wrench to loosen injectors
- **Contents**
 - Heavy Duty Slide Hammer
 - Bosch Injector Dismantling Tool
 - Screw-in adaptor for Delphi injectors
 - Slide hammer adaptor



 Sykes-Pickavant.

Diesel Injector Removal Puller

Part No. 085700

- For use with Lucas and Bosch type clamp-down injectors
- Slide hammer mechanism c/w M8, M12 & M14 adaptors
- For safe and damage free extraction of difficult to remove injectors
- Universal tool with a wide variety of car, van and heavy vehicle applications



 Sykes-Pickavant.

Diesel Injector Seat Cutter Kit

Part No. 017500

- Injectors can be extremely difficult to remove, due to the build up of carbon deposits and the effects of corrosion. Once they have been removed, by whatever method possible, the injector seat is often in a condition that makes it almost impossible to successfully seat the injector, and there can be a high risk of 'blow-by' occurring as a result – 'blow-by' is the leaking of combustion gases from the cylinder, via the injector seat, and can lead to various poor running and starting symptoms, excessive smoke, tar build-up, noise and loss of compression and power
- This kit has been designed for the cleaning and/or re-cutting of injector seats on modern common rail diesel engines



 Sykes-Pickavant.

Diesel Glow Plug Removal Kits

Part No. 085910 / 085920

- Sets of specialist drills and taps for the safe and effective removal of broken or damaged glow plugs
- Two kits available, covering the most popular sizes of heater plugs M8 x 1.0 **085910 Kit** and M10 x 1.0 **085920 Kit**
- Each set contains precision engineered components, allowing for the removal of broken parts, without damaging the engine block, and leaving a clean cut thread for fitting of the replacement glow plug
- Full instructions supplied with each kit



 Sykes-Pickavant.

Diesel Injector Socket Set - 4 piece

Part No. 015200

- Set of 4 chrome vanadium sockets (chemical black finish) with recesses for injector pipes
- Designed for the fast and efficient installation and removal of diesel injectors
- Suitable for a variety of applications
- In plastic storage case

Part No.	Size	Depth
015200	22mm	80mm
	22mm	100mm
	27mm	80mm
	28mm	80mm



 Sykes-Pickavant.

Diesel Injector Seal Extractor

Part No. 085810

- Designed specially to remove the copper injector base seal when it has become stuck in the cylinder head – traditionally done using a ‘pick’ – this new tool allows safe and easy removal without risk of damage to the head
- Simple to use – utilises Sykes-Pickavant’s well known “split collet” technology to grip the seal and allow it to be pulled out from the head
- Simple adjustment – expands from 6.4mm to 8.0mm
- Speed of use – no more fiddling with picks, hooks etc trying to retrieve stuck seals and washers
- Recommended to be used in conjunction with **017500 Diesel Injector Seat Cutter Kit**



 Sykes-Pickavant.

Diesel Compression Tester - Standard Kit (Passenger Vehicles)

Part No. 314200

- Comprehensive test kit for both direct and indirect diesel injected engines
- Enables cylinder access through dummy injector and glow plug adaptors
- Built in pressure relief valve enables repeat tests without dismantling
- Gauge to DIN16005, DIN16063, BS1780 standards
- For dummy glow plug/injector vehicle application list refer to Sykes-Pickavant catalogue or visit www.tridon.com.au
- **Spare Parts: 314005** Service Kit for **314201** Compression Tester **014215** Seal Kit



 Sykes-Pickavant.

Diesel Injector Mandrel Upgrade Kit (Commercial Vehicles)

Part No. 314205

- Use with **314200** Diesel Engine Compression Tester to upgrade the applications range to cover commercial vehicles
- For dummy glow plug/injector vehicle application list refer to Sykes-Pickavant catalogue or visit www.tridon.com.au



 Sykes-Pickavant.

Diesel Compression Tester Adaptor Upgrade Kit (Passenger Vehicles)

Part No. 314270

- Upgrades **314200** to **314295**
- Contains all additional adaptors within foam lid insert
- For dummy glow plug/injector vehicle application list refer to Sykes-Pickavant catalogue or visit www.tridon.com.au



Sykes-Pickavant.

CRD Low Pressure Test Gauge Kit

Part No. 314610

- Pressure test kit for the low pressure side of CRD systems
- Measures low pressure feed from the fuel pump in the fuel tank to the high pressure pump
- Also measures fuel return pressure where necessary
- Helps to diagnose:
 - Non-starting
 - Poor starting
 - Loss of engine power
 - Blocked filters
 - Blocked fuel lines
- When combined with **314620** CRD Fuel Return Flow Kit, creates a complete test kit for the low pressure side of CRD



Sykes-Pickavant.

CRD Injector Fuel Return Flow Kit

Part No. 314620

- Designed for use on the injector return side of a CRD system
- Helps to diagnose:
 - Poor or no engine starting
 - Poor engine running
 - Poor acceleration
 - Lack of engine power
- When combined with **314610** CRD Low Pressure Test Gauge Kit, creates a complete test kit for the low pressure side of CRD

Spare Part No.	Adaptor Set
314621	Bosch (C1) set of 6
314624	Delphi set of 6
314623	Denso (C3) set of 6
314622	Siemens (C2) set of 6
314625	Rubber Hoses set of 6



Sykes-Pickavant.

DITA Diesel Injector Tester and Aspirator

Part No. 314500

- A mechanical pressure tester and aspirator for checking the correct operation of diesel injectors
- Tests nozzle opening pressure, injector spray pattern, correct needle seating
- Helps in the diagnosis of injector chatter and back leakage
- Operational pressure up to 600 Bar, suitable for mechanical and electronic* diesel injectors with 12mm or 14mm screw fittings
- **314595** RITA Injector Trigger Module also available, used in conjunction with **314500** to allow testing of modern electronic diesel injectors
- Bench mounted for safe and easy operation
- * For electronic injector tests **314595** is required

 Sykes-Pickavant.

CRD High Pressure Test Kit

Part No. 314650

- Specifically designed to allow direct measurement of the delivery pressure of the high pressure pump, under engine cranking conditions
- Note: It is important that technicians follow the instructions carefully - diesel fuel under high pressure can be dangerous if instructions are not followed



 Sykes-Pickavant.

Diesel Injector Pump Timing Kit – 11 piece

Part No. 077570

- Applications: Bosch EP & VE Rotary/CAV Rotodiesel/Peugeot XUD/Nippon Denso/Kikki
- For Bosch Rotary and Lucas, CAV Rotodiesel DPC Rotary, Injection Pumps – Top Entry
- With a special Top Dead Centre indicator for the Peugeot XUD engine range
- This set includes special purpose adaptors and extensions complete with an interchangeable Dial Test Indicator which measures up to 8mm with increments of 0.01mm. Adjustable bezel for zero and limit tabs

