

Karmot Pty Ltd

**Sydney, Melbourne
Brisbane**

ABN 91 003 005 150



A small company that does care!

JULY 2011 PARTECH GLOW PLUG CATALOGUE

**AN AUSTRALIAN OWNED
SUPPLIER OF QUALITY WORKSHOP
EQUIPMENT and AUTOMOTIVE COMPONENTS.**

TERMS AND CONDITIONS OF SALE.

1. Purchase Price

1.1 Karmot Pty Ltd ("the Company") agrees to sell the goods described on the front of this invoice to the Customer named on the front of this invoice or Applicant referred to in any Credit Application for credit account with the Company ("the Customer") and the Customer agrees to purchase the goods from the Company for the Company's purchase price referred to on the front of the relevant invoice. In addition to paying the purchase price, the Customer shall reimburse and fully indemnify the Company for and in respect of any Goods and Services Tax or similar tax imposed on, arising out of, or in any way relating to the supply of goods or services hereunder.

2. Delivery and Risk

2.1 The "date of delivery" is the date upon which the goods leaves the premises of the Company. All goods are deemed to be delivered to the Customer at the Company's premises.

2.2 The Customer is responsible for arranging for the transportation of the goods from the Company's premises and is responsible for the insurance of the goods while in transit. The cost of transporting the goods and insuring them while in transit will be borne solely by the Customer.

2.3 Unless notified to the contrary, the Company will arrange on the Customer's behalf, for the transportation of the goods from the Company's to the Customer's premises and for the insurance of the goods while in transit, both at the Customer's expense. The Customer agrees to pay to the Company the delivery and insurance charge quoted to the Customer by the Company at the time of the Customer placing an order for the goods.

2.4 Risk in the goods shall pass to the Customer at the date of delivery and the Customer will insure all goods that are at its risk or pay for such insurance if charged to it by the Company as referred to in Clause 2.3 above.

2.5 Notwithstanding that risk shall pass to the Customer as herein provided title to the goods shall remain the absolute property of the Company until the Customer has paid to the Company in full the purchase price for same. The Company and its duly authorised agents shall at all times and without notice be entitled to enter any premises where the goods the subject of this invoice, of any part thereof, are believed by the Company to be, without any liability for trespass or damage (against which the Customer indemnifies the Company), and recover therefrom the goods, but only if there is an existing default in the terms of payment for such goods of any part thereof. The sale by the Customer of any of the goods prior to payment in full of the purchase price for same shall be made by the Customer as the Company's agent and the Customer shall forthwith account to the Company for the proceeds of the sale to the extent to which such proceeds are necessary to satisfy monies due. The Customer shall keep the Company's goods separate from other goods held by the Customer. Notwithstanding the provisions of this clause, the Company shall be entitled to maintain an action against the Customer for the purchase price upon delivery.

3. Payment

3.1 The Customer shall subject to this clause, pay for the purchase price and any other charges (if any) shown on the front of the invoice to the Company on the delivery of the goods.

3.2 If the Company has agreed to supply the goods to the Customer on credit, the Customer shall pay the purchase price to the Company within thirty (30) days after the end of the month of delivery.

3.3 If payment is not made in accordance with the Company's Terms and Conditions then interest and administration charges of 1.5% per month or part thereof on the outstanding amount shall be charged by the Company to the Customer and payment shall be credited firstly against any interest and administration charges due.

3.4 The Customer shall pay all costs, fees, charges and disbursements and legal costs on a Solicitor/Client basis incurred or to be incurred by the Company in recovering any monies due to the Company for the supply of goods to the Customer.

3.5 The Company reserves the right to separately invoice the Customer for any tax or delivery charges after the date of delivery of the goods.

4. Warranties

4.1 The Company warrants that during the warranty period referred to in its warranty statement hereunder, the goods, if correctly installed and used in accordance with the manufacturer's instructions, and if the goods have not been misused, tampered with or damaged (fair wear and tear excepted) and if properly serviced and maintained and not otherwise modified other than with the written consent of the Company, the Company will repair or replace at its option, free of charge, all the goods defective by any reason of faulty components or workmanship provided the Company is notified of such faulty components or workmanship in writing within 14 days from the date the defect first became apparent to the first user of such goods.

4.2 Nothing in these Terms and Conditions will operate to exclude, restrict, or modify the application of the provisions of Division 2 of Part V of the Trade Practices Act 1974 ("the Act"), the exercise of a right conferred by such provision, any liability of the Company for a breach of condition or warranty implied by such a provision or the application of Section 75A of the Act.

4.3 To the extent that it is able to do so the Company expressly limits its liability for a breach of a condition or warranty under these terms or implied by virtue of the Act to the following, the choice of which is to be at its sole discretion,

a) In the case of goods, as defined in the Act, to any one or more of the following:

i) the replacement of the goods or the supply of equivalent goods;

ii) the repair of the goods;

iii) the payment of the cost of replacing the goods or of acquiring equivalent goods;

iv) the payment of the cost of having the goods repaired; or

b) In the case of any service provided, as defined in the Act:

i) the supply of the service again; or

ii) the payment of the cost of having the service supplied again.

4.4 The limit of the Company's liability to the Customer or to any third party under these terms shall not in aggregate exceed the price of the subject goods or any service provided. In no event shall the Company be liable for consequential, incidental or punitive loss, damages or expenses howsoever arising, including the negligence of the Company, its employees, contractors or agents.

5. Warranty Statement

5.1 The warranty period in relation to the goods is twelve months or 20,000 km for parts and generally twelve months for equipment.

5.2 If during the warranty period the goods are discovered to be defective, the Company will at its option replace the warranted goods or grant the Customer a credit for the goods claimed to be defective. The Company will have the sole discretion to determine whether the goods are defective.

5.3 This warranty is null and void if the goods have been used in the wrong application or have been damaged in an accident or wilfully destroyed.

5.4 No warranty of merchantability or fitness for a particular purpose, nor any other warranty, express or implied is made by the Company.

5.5 In no event shall the Company be liable for any special, incidental, or consequential damages or damages arising in connection with the sale of the goods hereunder.

6. Return of Goods

6.1 If the goods are to be returned to the Company for the reasons specified in Clause 4.1 hereunder, the following procedure is to be complied with by the Customer:

a) The goods are to be packaged and returned to the Company's premises within a further 7 days from the date the Company is notified of any defect in the goods as referred to in Clause 4.1.

b) The goods are to be clearly marked with details of the invoice to which they relate.

c) The goods are to be returned to the Company by the Customer.

d) The Customer is to obtain a receipt for the return of the goods from the Company.

7. Force Majeure

7.1 The Company shall not be liable to the Customer for any failure to perform or delay in performance of any obligation under these terms caused by an act of God, war, government action, storm, fire, tempest, strike, lock out or any other circumstances beyond its reasonable control.

8. Plurals

8.1 Any reference to the singular hereunder shall include the plural and vice versa.

9. Entire Agreement

9.1 These Terms and Conditions (and should the Customer have entered into a credit application agreement with the Company, then any terms in that agreement thereunder) constitute the entire terms and conditions between the Company and the Customer and any prior terms and conditions or understanding between them in respect of the subject matter of these terms, including any quotation or purchase order is superseded by these terms.

9.2 To the extent that there is any inconsistency between the Terms and Conditions in this agreement and the Terms and Conditions in any purchase order relating to the goods, the Company's Terms and Conditions will prevail.

9.3 The Customer acknowledges that it has not agreed to purchase the goods in reliance upon any oral or written representation made by or on behalf of the Company.

10. Variation

10.1 These Terms and Conditions may be varied only by agreement in writing between the parties.

11. Governed and Construed

11.1 Any dealings between the Customer and the Company arising out of the Company's Terms and Conditions herein shall be governed by and construed in accordance with the Laws of the State of New South Wales for the time being enforced and the parties agree to submit to the jurisdiction of the courts at that state.



Karmot Pty Ltd

ABN 91 003 005 150

ACN 003 005 150

**AN AUSTRALIAN OWNED COMPANY THAT IS
“BIG ENOUGH TO MATTER...
SMALL ENOUGH TO CARE”.**

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This catalogue has been compiled with the utmost care from reliable sources of information however; we cannot assume responsibility for errors and or omissions (E&OE). Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed. Specifications subject to change without notice. If errors or changes are found, kindly advise your supplier.

Part numbers and vehicle names are used for reference purposes only.

E and OE.

QUALITY PRODUCTS SUPPLIED

BY



Workshop Equipment



Glow Plugs



Timing Components



Timing & Fan Belts, Welsh Plugs



Swivel housing kits



Centre Bearings, Uni-joints, Wheel bearings



Thermostat Housings



CV / Rack Boots



Balancers & Pulleys



PARTECH GLOW PLUG - INDEX

GLOW PLUG CHARACTERISTICS.

ENGINE SHUT OFF VALVES.

TOP 25 GLOW PLUGS.

MAKE	PAGE
BEDFORD	1
BMW	1
CITROEN	1
DAEWOO	1
DAIHATSU	1-2
FIAT	2
FORD	3-4
GMC	4
HINO	4-5
HOLDEN	5-7
HONDA	7
HYUNDAI	7
IVECO	7
INTERNATIONAL / IHC	7
ISUZU	8-9
JEEP (USA)	9
KIA	10
LADA	10
LANDROVER	10
MAZDA	10-11
MERCEDES	12
MITSUBISHI	12-14
NISSAN / DATSUN	15-17
OLDSMOBILE	18
PEUGEOT	18
ROVER	18
SEAT	18
SSANGYONG	19
SUZUKI	19
TATA	19
TOYOTA	19-23
VOLKSWAGEN	23
MITSUBISHI OE. CROSS REFERENCE.	24

INDUSTRIAL

HINO	25
ISUZU	25
KOMATSU	25
KUBOTA	26-27
MITSUBISHI	28
NISSAN	28-29
YANMAR	29-30

PICTURES.

SIZE CHART.

CROSS REFERENCE.

FAILURE ANALYSIS GUIDE.

KARMOT PTY. LTD.

On the right track with Karmot.

CLASSIFICATION AND CHARACTERISTICS OF GLOW PLUGS

There are two types of glow plugs in view of the construction, coil type where the heating coil is exposed and sheathed type where the coil is protected by the heat resistance pipe (sheath). The coil type was the main by the 1970s but the sheath type is now the most popular taken over all other types of glow plugs. The sheath type glow plug is divided into four groups for the heating time as follows.

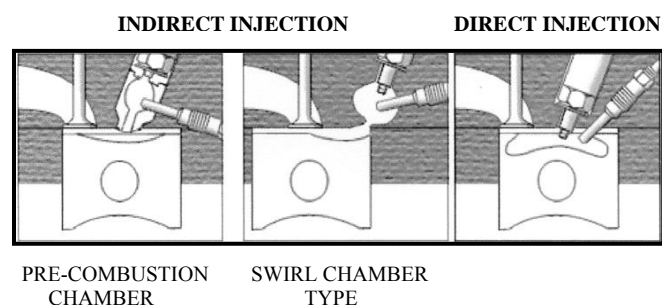
- [Standard Type]** 20 – 25 sec to 800°C
The resistance of the heating coil does not vary from temperature, and the glow plug draws the constant current.
- [Quick Type]** 15 – 20 sec to 800°C
The coil resistance increases as the temperature goes up, and the current is almost double of the nominal current when the glow is engaged, and this makes possible to heat up quickly.
- [QGS Type]** Approx. 10 sec to 900°C
The electronics controller and relays control the engaged time and current draw for the quick starting, and also stable running of engine and reduction of smoke at cranking.
- [S.Q. Type]** Max. 10 sec to 800°C
The good combination of heating coil and self-regulating coil makes it possible to simplify the system and ensure the quick start.

PROPER USE

- (1) Obey the manufacturer's instructions for the battery capacity because the diesel engine consumes more electricity than the gasoline engine at the starting time. Insufficiency of the battery capacity may not heat the glow plug sufficiently resulting in difficulty of starting. If the battery is deteriorated, the same phenomenon will occur.
- (2) When selecting the glow plug, make sure of the manufacturer's part number in accordance with HKT's product catalogue. Mistakes in selection may sometimes result in difficulty of starting (for example, using the product specified for 24V in a 12V vehicle) or melting of the glow plug (for example, using the product specified for 12V in a 24V vehicle).
- (3) It takes about 25 seconds (standard type), 20 seconds (quick type), 10 seconds QGS type and 20 seconds coil type respectively to be heated up. When it does not start correctly after preliminary heating, continuous feeding of electricity may consume battery power considerably and gives an unfavourable influence upon the service life of the glow plug. Turn the switch to OFF after preliminary heating and turn ON again.

DIESEL INJECTION SYSTEMS

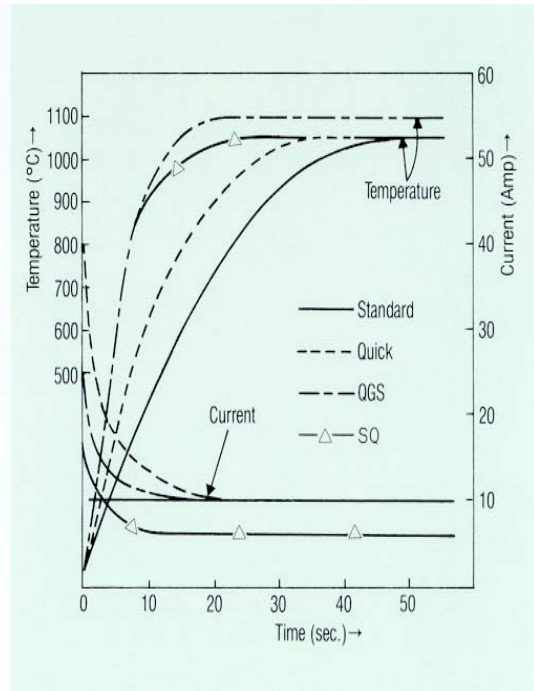
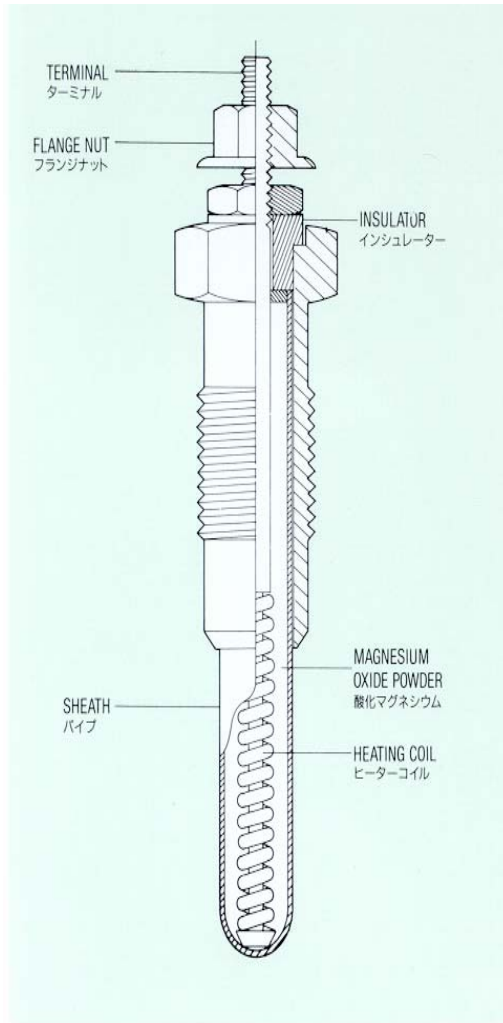
Diesel engines are classified in two types in terms of injection systems, INDIRECT or DIRECT. With the indirect type, two sub-chamber systems exist, PRE-COMBUSTION CHAMBER or SWIRL CHAMBER TYPE, whose glow plugs are rather short. Where the glow plug for Direct Injection system is normally designed long, to fulfil the best location at the edge of the chamber.



**Part numbers and vehicle names are used for reference purposes only.
E and OE.**

KARMOT PTY. LTD.

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[Standard Type]

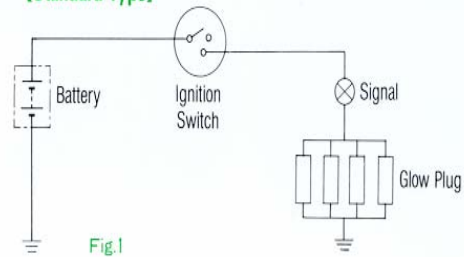


Fig.1

[Quick Type]

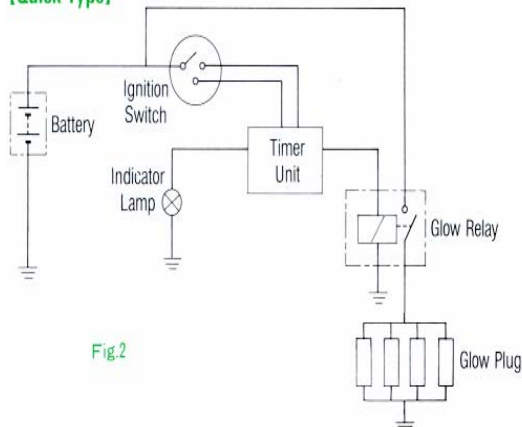


Fig.2

[QGS Type]

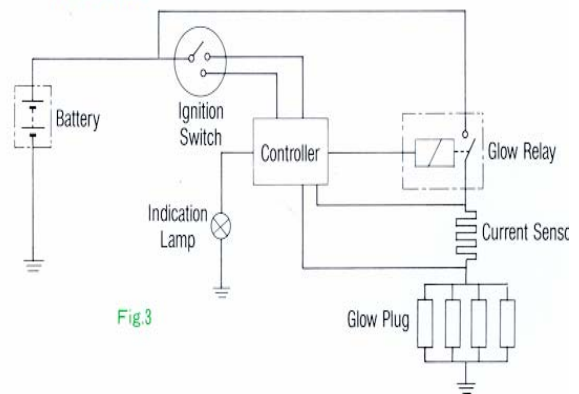


Fig.3

Part numbers and vehicle names are used for reference purposes only.
E and OE.

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ENGINE SHUT OFF VALVES.

DESCRIPTION:

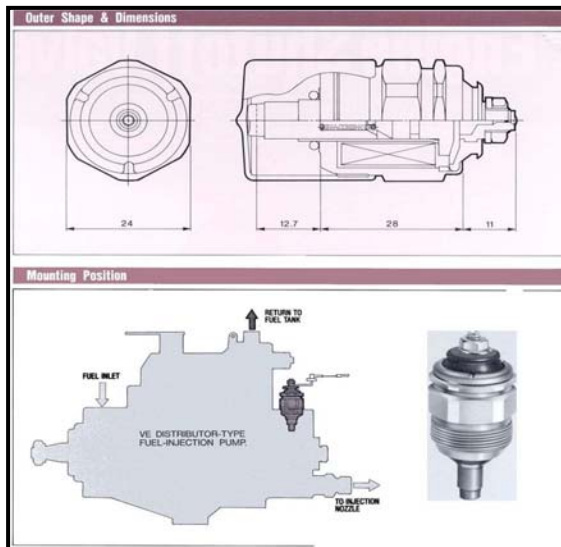
Electric shut-off (solenoid) valve for the diesel VE distributor-type fuel-injection pump.

The VE pump is widely used in passenger car diesel engines, tractors and light commercial vehicles with 3,4,5 and 6 cylinder engines.

The engine shut-off valve is used in the VE pump to shut off the diesel engine by interrupting the supply of fuel to the pump.

Construction

The HKT's valves, CV12 (12 DC version) and CV24 (24 DC), are designed and manufactured strictly according to the OE specification to satisfy the all requirements, reliability and durability. The engine shut-off valve is composed of the magnetic coil assembly, plunger, terminal and housing. While the engine running, coils are energized and accordingly the plunger is disenergized and comes down instantaneously to close the fuel path and eventually the engine stops.



SHUT OFF VALVE SERIES.

CV-02: Reference 9009.049 / 9009.041 / 9145.040D / 99438823(FIAT) / Primax 60010 / Star 36.166-1

CV-04: Reference 7180.049 / Primax 60030 / Star 36.167

CV-12: Reference 8-94227-656-0 / 8-94239-372-0 / 16870-R8100 / 16870-V2100 / 16870-02N00 / 0933-24-300A
Bosch 0 330 001 015 / Denso 096030-0070 / Lucas 7240-5 / Primax 60020

CV-24 Reference Bosch 0 330 001 016, 9 461 612 164 / Denso 096030-0170 / Lucas 7240-6

CV-12 ND Denso 096030-0160

SPECIFICATIONS:

	CV-02	CV-04	CV-12	CV-24
1. Rated Voltage	12V DC	24V DC	12V DC	24V DC
2. Operating Voltage Range	7 – 14V DC	14 – 28V DC	7 – 14V DC	14 – 28V DC
3. Operating Temp. Range	-30 - + 100° C	-30 - + 100° C	-30 - + 100° C	-30 - + 100° C
4. Operating Pressure Range	0 – 6 kg/cm ²	0 – 6 kg/cm ²	0 – 6 kg/cm ²	0 – 6 kg/cm ²
5. Pull-in Voltage	Max. 6.3V	Max. 13.3V	Max. 6.5V	Max. 13.3V
6. Release Voltage	Max. 2.5V	Max. 3.5V	Max. 1.5V	Max. 2.5V
7. Durability	100,000 cycles	100,000 cycles	100,000 cycles	100,000 cycles

Part numbers and vehicle names are used for reference purposes only.

E and OE.

PARTECH GLOW PLUGS



GLOW PLUG WHOLESALE STOCKIST KITS.

Part Number	Description
GPB46	Top 10 Part numbers (Sets only)
GPB68	Top 15 Part numbers (Sets only)
GPB90	Top 20 Part numbers (Sets only)
GPB120	Top 10 Part numbers (Packs of 12)
GPB180	Top 15 Part numbers (Packs of 12)

Top 25 Glow Plugs also indicating number per vehicle

1 CP05	x 4	6 PT146	x 6	11 CP73	x 4	16 PT104	x 6	21 CP71	x 3
2 CP60	x 4	7 PT152	x 6	12 PN135	x 4	17 PZ38	x 4	22 PZ33	x 4
3 PT151	x 4	8 PT155	x 4	13 PT158	x 6	18 PI172	x 4	23 CP70	x 3
4 PZ39	x 4	9 PI49	x 4	14 PT140	x 4	19 CP22	x 4	24 CP07	x 4
5 PM165	x 4	10 CP04	x 6	15 PN138	x 4	20 PM164	X 4	25 PT144	X 4

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
------------------------	---------------------	-------------	-----------------	--------------	-----------------	---------------------------	--------------------

Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed. To ensure correct application of glow plug, check original equipment number matches vehicle application! Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!

BEDFORD

TR20, TR40	1970-1972	(D500 eng)	6	20.5	24	9-82513959-0	PI43
SBR422, SBR450, JBR442, JBR500	1972-	(6BB1eng)	6	20.5	24	9-82513928-8	PI44
ELF250, TLD63D	1972-1974	(C240 eng)	4	10.5	12	9-82511978-0	PI42
			4	20.5	24	9-82513959-0	PI43
ELF350, KS20	1970-1972	(C330 eng)	4	20.5	24	9-82513959-0	PI43
ELF350, KS21	1973-1979	(4BB1 eng)	4	20.5	24	9-82513928-8	PI44

BMW

318							
	11/1994-	(M41 D18 eng)	4	11	12	0 100 221 163	B081
325, 525							
	1/1991-	(M51 D25 eng)	6	11	12	0 100 221 163	B081

CITROEN**BERLINGO**

B9C, M59	4/2008-	(DV6AUTED4 eng) 1.6HDi	4	11	12	596078	B123
C3	2007-	(DV6ATED4 eng) 1.6HDi	4	11	12	596078	B123
C4, XSARA, PICASSO	3/2006-	(DV6TED4 eng) 1.6L , XARA	4	11	12	596078	B123
C5	2/2008-	(DW10ATED eng) 2.0L	4	11	12	0 100 226 344	B089

DAEWOO**KORANDO**

	2004-	(2.9TD eng) 662LA	5	11.5	12	0 250 201 026	B078
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MUSSO

	1998-2002	(2.9TD eng)	5	11.5	12	0 250 201 026	B078
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DAIHATSU**4WD**

	1978-3/1984	(DG eng) F50,F55	4	8.5	12	19850-68030	PT104
	11/1982 -	(DL eng) F60,F65	4	7	12	19850-87701	PD190
BUS SV37	1970-1973	(DG eng)	4	8	12	19850-87303	PD99

CHARADE

CL	1/1983-	(CL10.60 eng)	3	7	12	19850-87701	PD190
Turbo Man trans	9/1984-	(CL50 eng)	3	7	12	19850-87701	PD190

DELTA

V20, V22, V24, V26	1982-9/1984	(DG eng)	4	8.5	12	19850-68030	PT104
V50, V52, V54, V55 V56, V57, V58	10/1982-1995	(DL eng)	4	7	12	19850-87701	PD190
V10, V11, V18	8/1977-9/1980	(B eng)	4	20.5	24	19850-68040	PT109
V98, V99	9/1984-	(B eng)	4	8.5	12	19850-68030	PT104

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed. To ensure correct application of glow plug, check original equipment number matches vehicle application! Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!

DAIHATSU Cont..**DELTA Cont..**

V10,11,12,15,98,98D,99	9/1980-7/1988	(B eng)	4	14	24	19850-68060	PT141
V40,V48,V90, V92	- 9/1984	(B eng)	4	20.5	24	19850-68040	PT109
V98,V98D,V99	8/1988-4/1995	(B eng)	4	23	24	19850-58010	PT153
V40,V42,V47,V48	2/1983-7/1984	(3B eng)	4	10.5	12	19850-68010	PT145
BU100N,BU105N	5/1995 -	(3B eng)	4	23	24	19850-58010	PT153
V75,V76,V78,V79	9/1984-8/1988	(13B eng)	4	14	24	19850-68060	PT141
V115,V116,V118,V119	8/1988-4/1995	(14B eng)	4	23	24	19850-58010	PT153
CB21G	8/1988-	(2C-T eng)	4	7	12	19850-87701	PD190
XZ300 / XZU400 SERIES	5/1999-	(J050C/S050C/S05D eng)	4	23	24	19110-1220	PH26

DELTA WIDE CABIN

CB26V	5/1983-8/1987	(1C eng)	4	7	12	19850-87701	PD190
CB26V	8/1987-8/1988	(1C eng)	4	11	12	19850-64020	PT150
CB21G	5/1983-8/1985	(2C eng)	4	7	12	19850-87701	PD190
CB27V, CB27V	8/1988-8/1995	(2C eng)	4	11	12	19850-64020	PT150
CB21G	8/1985-8/1987	(2C-T eng)	4	7	12	19850-87701	PD190
CB21G,	8/1987-8/1995	(2C-T eng)	4	11	12	19850-64020	PT150
CB22G,CB31G	9/1993-11/1996	(3C-T eng)	4	11	12	19850-67020	CP22

ROCKY

F70V,F75V,	5/1984-	(DL,DL50 eng) 2.8L	4	7	12	19850-87701	PD190
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RUGGER

	5/1985-	(DL, DL50 eng)	4	7	12	19850-87701	PD190
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TAFT

	8/1978-11/1982	(DG eng)	4	8.5	12	19850-68030	PT104
	12/1982-4/1984	(DL eng)	4	7	12	19850-87701	PD190
	5/1984-1989	(DL50 eng)	4	7	12	19850-87701	PD190
	8/1993-7/1998	(DL52 eng)	4	7	12	19850-87701	PD190

FIAT**BRAVO, CROMO**

	7/2004-	(1.9JTD Multijet eng)	4	11	12	0 100 276 015	B125*
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DUCATO

	4/2002-	(2.3JTD Multijet eng) (81KW / 88KW)	4	11	12	GN037	B128
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SCUDO,ULYSSE

	5/2006-	(2.0 Multijet eng) 100KW	4	11	12	9615938380	B131
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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed. To ensure correct application of glow plug, check original equipment number matches vehicle application! Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!

FORD**COURIER 2200**

	3/1985-1996	(R2 ohc eng)	4	10.5	12	S501-18-140A	PZ33
2200	2/1981-3/1985	(S2 ohv eng)	4	12	12	1353-18-140A	PZ30
2200	1989-1996	(R2 eng)	4	10.5	12	S501-18-140A	PZ33
PD	1996-1/1999	(WL eng) 2.5L	4	11	12	WL03-18-601 WL81-18-601	PZ39
PD	1997-9/99	(WL-T eng) 2.5L	4	11	12	WL03-18-601 WL81-18-601	PZ39
PE,PG,PH	2/1999-2006	(WLAT eng) 12V, 2.5L	4	11	12	RF1M-18-601	CP60

ECONOVAN 2200

	1981-1984	(S2 ohv eng)	4	12	12	1353-18-140A	PZ30
	1984-	(R2 ohc eng)	4	10.5	12	S501-18-140A	PZ33
	1984-1996	(RF eng)	4	10.5	12	S501-18-140A	PZ33
	1996-1999	(R2 eng)	4	11	12	VS01-18-601 R2L2-18-601	PZ36
	1997-2002	(WL eng)	4	11	12	RF1M-18-601	CP60

F100-350 USA

	1983-1986	(6.9L 420 cu. in.eng)	8	6	12		PA302
	1987	(6.9L 420 cu. in. eng)	8	5	12		PA305
	1988-1995	(7.3L 446 cu. in.eng)	8	5	12		PA305
VAN/WAGON	1990-	(7.3L 446 cu. in.eng)	8	5	12		PA305

FIESTA

WS	2009-	(1.6L eng)	4	11	12	0 100 276 004	B106
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FOCUS

	6/2005-	(2.0TDCi eng)	4	11	12	100226492	B131
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MAVERICK

	2/1988-9/1993	(TD42 eng)	6	11	12	11065-43G01 11065-63G00	PN135
	3/1993-	(TD27,TD27T eng)	4	11	12	11065-31N00 11065-G2400	PN138
	9/1996-	(TD27ETi eng)	4	11	12	11065-0W801 11065-65N01	CP03
	6/1997-	(QD32ETi eng)	4	11	12	11065-0W801 11065-65N01	CP03

RANGER

PJ	12/2006-	(WLAT eng) 16V, 2.5L	4	11	12	WE 01 186 01	PZ710
PJ	12/2006-	(WEAT eng) 16V, 3.0L	4	11	12	WE 01 186 01	PZ710

SPECTRON

	1985-1993	(RF eng)	4	10.5	12	S501-18-140A	PZ33
	1993-	(R2 eng)	4	12	12	RFJ5-18-601	PZ37

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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FORD Cont...**TRADER**

	1978-1980	(HA eng) Tin rocker cover	4	12	12	1353-18-140A	PZ30
	1977-1980	(HA eng)	4	23	24	SE01-18-140A	PZ31
	1981-1984	(HA eng) Alloy rocker cover	4	10.5	12	S501-18-140A	PZ33
	1981-7/1989	(ZB eng)	6	23	24	SE01-18-140A	PZ31
	6/1978-12/1985	(2.4L eng)	4	11	12	0 100 221 132	B053
	8/2000 -	(2.0L eng)	4	11.5	12	0 100 226 385	B101*
	1/2000 -	(2.4DI eng)	4	11.5	12	0 100 226 385	B101*

TRANSIT VAN

	1971-1979	(2.4L eng) J York	4	11	12	0 100 221 132	B053
VE,VF	1994-1996	(4D eng) 8V, 2.5L	4	11	12	0 100 221 132	B053
VF	1996-1997	(4D eng) 8V, 2.5L Turbo	4	11	12	0 100 221 132	B053
VH, F4FA, D2FA, D4FA	1/2000-2006	(D4FA eng) 16V, 2.4L Turbo	4	11.5	12	0 100 226 385	B101*
VM	7/2006-	(H9FB eng) 16V, 2.4L Turbo	4	11.5	12	0 100 226 385	B101*

GMC**COMMERCIAL**

C15-35	1988-1993	6.2L 380 cu. in.	8	6	12		PA303
	1992-1995	6.5L 395 cu. in.	8	6	12		PA303
G15-35	1984-1993	6.2L 380 cu. in.	8	6	12		PA303
K15-35	1978-1979	5.7L 350 cu. in.	8	11	12		PA301
	1980-1983	5.7L 350 cu. in.	8	6	12		PA302
	1981-1993	6.2L 380 cu. in.	8	6	12		PA303
P15-35	1982-1993	6.2L 380 cu. in.	8	6	12		PA303
R15-35	1985-1993	6.2L 380 cu. in.	8	6	12		PA303
V15-35	1987-1992	6.2L 380 cu. in.	8	6	12		PA303

HINO**BUS**

BUS BM320 (Import)	1970-1976	(DM100 eng)	6	19	24	19110-1040 63013-30010	PH21
BUS AM100, RL100	1970-1979	(EC100 eng)	6	19	24	19110-1040 63013-30010	PH21
BUS RE100,RE120,RE140	1970-	(EB200 eng)	6	19	24	19110-1040 63013-30010	PH21
BUS RD300, RL300, RL320	1975-	(EH300 eng)	6	19	24	19110-1040 63013-30010	PH21
BUS RE101, RE161,RE121	1977-	(EB400 eng)	6	19	24	19110-1040 63013-30010	PH21
AM101	1988-	(EH100 eng)	6	19	24	19110-1040 63013-30010	PH21
RX4,RH4	1995-	(JO5C eng)	6	23	24	19110-1220	PH26

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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HINO Cont..**RANGER**

1971-	(DQ100, EH100, EH300 eng)	6	19	24	19110-1040 63013-30010	PH21
1978-1982	(B eng)	4	19	24	19850-56010	PT94
1983-	(B eng)	4	14	24	19850-68060	PT141
1979-1982	(3B eng)	4	20.5	24	19850-68040	PT109
1983-	(3B eng)	4	14	24	19850-68060	PT141
1984-1986	(EM100 eng)	6	10.5	12	19110-1160	PH25
1984-	(W04D eng)	4	23	24	19110-1140	PH22
1985-	(H06C / H07C eng)	6	23	24	19110-1140	PH22
1987-1991	(W04C eng)	4	10.5	12	19110-1160	PH25
1986-1987	(W06E eng)	4	10.5	12	19110-1160	PH25
1992-	(W04C-TH eng)	4	10.5	12	19110-1160	PH25
1984-1991	(H06C / H07C eng)	6	10.5	12	19110-1160	PH25
1993-1997	(H06C-TP / TN / TM eng)	6	10.5	12	19110-1160	PH25
1995-	(J05C eng)	6	23	24	19110-1220	PH26
1970-1976	(EB300 eng) (Import)	6	19	24	19110-1040 63013-30010	PH21
1993-1997	(H06C, TM eng)	6	23	24	19110-1160	PH25
1995-	(J05C eng)	6	23	24	19110-1220	PH26

HOLDEN**ASTRA / OPEL**

	4/2005-	(1.3CDTi eng) 16V 1.3L	4	11	12	93178047	B122
AH CDTi (Manual transmission)	9/2005-	(Z19DT) 8V, 1.9L Turbo Ecotec	4	11	12	93178411	B109
AH CDTi (Manual transmission)	4/2004-	(Z19DTJ) 16V, 1.9L Turbo Ecotec	4	11	12	93178411	B125*
	9/2002-10/2005	(Y22DTR) Dti 2.2L	4	11	12	0 100 226 417	B107*

CAPTIVA

2006-	(Z20Si) 2.0LTD Common rail	4		12		TBA
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COMBO

5/2005-	(1.3CDTi eng) 16V 1.3L	4	11	12	93178047	B122
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CRUIZE

2006-	(Z20Si) 2.0LTD Common rail	4		12		TBA
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FRONTERA

10/1998-8/2000	(X22DTH eng) 2.2DTI	4	11	12	0 100 226 379	B098
9/2000-9/2002	(X22DTH, Y22DTH eng) 2.2DTI	4	11	12	0 100 226 417	B107*

GEMINI

10/1979-9/1981	(4FB1 eng)	4	5	12	8-94221719-3	PI46
12/1988-	(4EC1 eng)	4	11	12	8-94319700-1	PI58

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E and OE.

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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HOLDEN Cont..**JACKAROO**

USB52	9/1981-7/1987	(C223 eng)	4	5	12	8-94221719-3 8-94241449-0 8-94255588-0	PI46
USB16	8/1987-7/1990	(C223 / T eng)	4	11	12	8-94319700-1 8-94144412-0	PI58
USB55	8/1990-7/1992	(4JB1 Turbo)	4	11	12	8-94175158-0 8-97073641-0 8-94133759-5	PI49
USB69	8/1992 -5/1998	(4JG2 / T) 3.1L	4	11	12	8-94387612-1 8-97043744-0 8-97044037-0	PI59
USB73	6/1998-2002	(4JX1) 3.0L Direct Injection Common Rail	4	11	12	8-97143674-1	PI172

RODEO

KBD20.KBD25,KBD40	1978-9/1979	(C190 eng)	4	10.5	12	9-82511978-0	PI42
	1978-9/1979	(C190 eng)	4	9	12	5-81410040-0	PI45
KBD21, KBD26, KBD41	10/1979-	(C190 eng)	4	5	12	8-94221719-3 8-94241449-0 8-94255588-0	PI46
KBD22, KBD27, KBD42, KBD47	12/1982-7/1987	(C223 eng)	4	5	12	8-94221719-3 8-94241449-0 8-94255588-0	PI46
KBD22, KBD42, KBD47	8/1987-10/1988	(C223 eng)	4	11	12	8-94319700-1 8-94144412-0	PI58
TRF55	1989-1990	(4JB1 eng)	4	11	12	8-94140115-2	PI170
TRF55, TFS	1/1990 -2002	(4JB1 + Turbo) 2.8L	4	11	12	8-94175158-0 8-97073641-0 8-94133759-5	PI49
USB73	6/1998-2002	(4JX1) 3.0L Direct Injection	4	11	12	8-97143674-1	PI172
RA	3/2003-2006	(4JH1) 3.0L	4	11	12	8-94175158-0 8-97073641-0 8-94133759-5	PI49
	7/2003-	2.5LTD 74KW/100PS				8-97306519-2	PI176
	2007-2008	(4JJ1-TC eng) 3.0 Ddi Common Rail	4	11	12	8-97326046-0	PI175

SHUTTLE

WFR50, WRF51	1/1981-6/1982	(4FB1, 4FC1 eng)	4	5	12	8-94221719-3	PI46
WRF62	8/1990-	(4FG1 eng)	4	11	12	8-94387612-1	PI59
TR Series	1970-1972	(D500 eng)	6	20.5	24	9-82513959-0	PI43
TSD / TWD Series	1976-1/1984	(6BD1 eng)	6	20.5	24	9-82513928-8	PI44
UD Series	1972-1979	(C240 eng)	6	10.5	12	9-82511978-0	PI42
VBR Series	1972-1984	(6BB1 eng)	6	20.5	24	9-82513928-8	PI44
VCR Series	1976-1/1984	(6BD1 eng)	6	20.5	24	9-82513928-8	PI44
VDR Series	1979-	(6BF1 eng)	6	20.5	24	9-82513928-8	PI44
WFR Series	1/1981-6/1982	(4FB1, 4FC1 eng) 2.0L	4	5	12	8-94221719-3	PI46
YBR Series	1972-1977	(6BB1 eng)	6	20.5	24	9-82513928-8	PI44

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E and OE.

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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HOLDEN Cont..**TIGRA**

6/2004-	(1.3CDTi eng)	4	11	12	0 250 203 002 93178047	B122
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HONDA**JAZZ**

UCS69DWH	10/1993-	(4JG2 eng)	4	11	12	8-94387612-1 8-97043744-0 8-97044037-0	PI59
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HORIZON

UBS69GWH	2/1994-	(4JG2 eng)	4	11	12	8-94387612-1 8-97043744-0 8-97044037-0	PI59
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HYUNDAI**H100**

-1994	(2.5D eng)	4	12	12	MD050212	PM75
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GALLOPER 11, H100

4/1994-	(2.5TD eng)	4	11	12	36710-42010 36710-42020 36710-42060	PM166
1999-	(2.7TD eng)	4	11	12	MD344469	PM167

SANTA FE

10/2002-	(CRDi eng) 2.0L	4		12	36710-27010	B110
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STAREX

	(D4CB eng)	4		12	36710-4A000	B120
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IVECO**DAILY**

8140.63	6/1998-	(2.8L eng)	6	11	12	0 100 226 354	B097
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INTERNATIONAL / IHC**CARGOSTAR**

	1983-1987	6.9L 420cu. in.	8	6		PA302
	1988-1994	7.3L 445 cu. in.	8	5		PA305
S1600-2100	1986	6.9L 420 cu. in.	8	6		PA302
	1987	6.9L 420 cu. in.	8	5		PA305
S2200-2600	1986	6.9L 420 cu. in.	8	6		PA302
	1987	6.9L 420 cu. in.	8	5		PA305
	1987-1995	7.3L 445 cu. in.	8	5		PA305
COMMERCIAL V8 Engines	1983-1985	6.9L 420 cu. in.	8	6		PA302
	1986-1988	6.9L 420 cu. in.	8	5		PA305

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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ISUZU	(Includes some Bedford and Forward models)
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TRUCK and COMMERCIAL

BE Series	1973-on	(4BB1 eng)	4	20.5	24	9-82513928-8	PI44
BK / BY Series	1973-2/1984	(6BB1, DBR1 eng)	6	20.5	24	9-82513928-8	PI44
	1972-1973	(D500 eng)	6	20.5	24	9-82513959-0	PI43
BLD Series	1973-1978	(4BA1 eng)	4	20.5	24	9-82513959-0	PI43
	1980-	(4BA1, 4BC1 eng)	4	9.5	24	5-81410056-3 5-81410058-3	PI48
	7/1981-	(4BC2 eng)	4	20.5	24	9-82513928-8	PI44
	1969-1980	(C240 eng)	4	10.5	12	9-82511978-0	PI42
CCM / ECM Series	1976-2/1984	(6BD1, 6BD1T eng)	6	20.5	24	9-82513928-8	PI44
FBR / JBR Series	1972-1977	(6BB1 eng)	6	20.5	24	9-82513928-8	PI44
FCR / FDR Series	1976-1/1984	(4BD1, 4BF1 eng)	4	20.5	24	9-82513928-8	PI44
FRR Series	1979-	(6BG1, 6BD1T, 6HE1 eng)	6	20.5	24	9-82513928-8	PI44
FRR Series	2/1995-	(6HH1 eng)	6	23	24	8-94135377-3 8-94139035-2 8-97033761-0 1-82513-044-0	PI50
JCR / JCS / JDR Series	1976-1/1984	(6BD1, 6BF1 eng)	6	20.5	24	9-82513928-8	PI44
KAD Series	10/1970-9/1978	(C190 eng)	4	10.5	12	9-82511978-0	PI42
	10/1977-10/1979	(C190 eng)	4	9	12	5-81410040-0	PI45
	1978-10/1979	(C240 eng)	4	9	12	5-81410040-0	PI45
	1978-10/1979	(C240 eng)	4	20.5	12	9-82513959-0	PI43
	1979-	(C240 eng)	4	5	12	8-94221719-3 8-94241449-0 8-94255588-0	PI46
KS Series	1970-1980	(4BB1, 4BD1, C330 eng)	4	20.5	24	9-82513928-8	PI44
KT Series	10/1979-6/1981	(4BC1 eng)	4	9.5	24	9-82513959-0	PI43
	7/1981-6/1984	(4BC2 eng)	4	20.5	24	9-82513928-8	PI44
LR / LT Series	1976-2/1984	(6BD1, 6BD1T eng)	6	20.5	24	9-82513928-8	PI44
	1984-	(6BG1 eng)	6	20.5	24	9-82513928-8	PI44
SBR Series	1972-	(6BB1 eng)	6	20.5	24	9-82513928-8	PI44
	1972-	(D500 eng)	6	20.5	24	9-82513959-0	PI43
SCR / SCS Series	1976-1/1984	(6BD1, 6BF1 eng)	6	20.5	24	9-82513928-8	PI44
ELF150	7/1984-	(4JA1,4JB1 eng)	4	11	12	8-94175158-0 8-97073641-0 8-94133759-5	PI49
	7/1993-	(4JG2 eng)	4	11	12	8-94387612-1 8-97043744-0 8-97044037-0	PI59
ELF250, ELF350	1972-9/1978	(4BA1 eng)	4	20.5	24	9-82513959-0	PI43
	1980-6/1984	(4BA1 eng)	4	9.5	24	5-81410056-3 5-81410058-3	PI48

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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ISUZU Cont.. (Includes some Bedford and Forward models)

TRUCK and COMMERCIAL Cont..

ELF250, ELF350	-1969	(C221 eng)	4	10.5	12	9-82511978-0	PI42
	1970-1972	(C240 eng)	4	10.5	12	9-82511978-0	PI42
	1970-9/1977	(C240 eng)	4	20.5	24	9-82513959-0	PI43
	10/1977-1/1980	(C240 eng)	4	9	12	5-81410040-0	PI45
	10/1977-1/1980	(C240 eng)	4	10.5	12	9-82511978-0	PI42
	10/1977-1/1980	(C240 eng)	4	20.5	24	9-82513959-0	PI43
	2/1980-6/1984	(C240 eng)	4	5	12	8-94221719-3 8-94241449-0 8-94255588-0	PI46
	7/1984-	(4JA1, 4JB1, 4JB1-2 eng)	4	11	24	8-94175158-0 8-97073641-0 8-94133759-5	PI49
	8/1990-	(4FE1 eng)	4	23	24	8-94135377-3 8-94139035-2 8-97033761-0 1-82513-044-0	PI50
	7/1993-	(4BE1, 4BE2, 4HF1 eng)	4	23	24	8-94135377-3 8-94139035-2 8-97033761-0 1-82513-044-0	PI50
ELF250, ELF350 Cont...	7/1993-	(4JG2 eng)	4	11	12	8-94387612-1 8-97043744-0 8-97044037-0	PI59
	4/1990-	(6BG1, 6HE1 eng)	6	20.5	24	9-82513928-8	PI44
	2/1995-	(6HH1 eng)	6	23	24	8-94135377-3 8-94139035-2 8-97033761-0 1-82513-044-0	PI50
KH-UBS73 TROOPER	6/1998-	(4JX1 eng)	4	11	12	8-97143674-1	PI172
ELF- KR-NKR81,NPR81,NKS81		(4HL1 eng) 16v	6	24	24	8-94390777-4	PI173
ELF- KR-NPR72,NPS72		(4HJ1 eng) 16v	6	24	24	8-94390777-4	PI173
	2005-	(4JJ1-TC eng) 3Ddi Common Rail	4	11	12	8-97326046-0	PI175

JEEP (USA)

CHEROKEE

	1/1987-8/1994	(2.1TD eng) Renault J8S 814	4	11	12	0 100 221 114	B081
	1/1988-1/1991	(2.1TD eng) Renault J8S 890	4	11	12	0 100 226 438	B081
	2/1991-8/1994	(2.1TD eng) Renault J8S 890	4	11	12	0 100 226 163	B076
	9/1994-	(2.5TD eng) VM HR 425 CLIRX	4	11	12	0 100 226 126	B081
	11/2002-	(2.8CRD eng) 2.8L (110KW / 120KW)	4	11	12	GN055	B127
	6/2004-	(2.5CRD eng) 2.5L (105KW)	4	11	12	GN055	B127

GRAND CHEROKEE

	5/1995-	(2.5TD eng) VM-HR 425	4	11	12	0 100 226 343	B086
	4/1998-	(2.5TD ENC, 3.1TD EXA eng)	5	11	12	0 100 226 343	B086
XJ	4/1984-12/1987	(2.0TD eng) Renault J8S 814	4	11	12	0 100 226 126	B081

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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KIA**CERES**

1992-1997	(S2 eng)	4	12	12	1353-18-140A	PZ30
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PREGIO

2002-	(J2 eng) 2.7L	4	11	12	RFG1-18-601	PZ38
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RIO 11

3/2003-	(1.5CRDi eng) 81KW	4	11	12	0 100 226 522	B126
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SPORTAGE TD

7/1993-	(Mazda eng) 2.0L	4	11	12	RFG1-18-601	PZ38
1996-	(Koot, K082) 2Lt -TD	4	11	12	WL03-18-601 WL81-18-601	PZ39

SORENTO

8/2002-	(CRDi eng) 2.5DT	4		12	36710-4A000 36710-4A100	B120
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LADA**NIVA 4X4**

5/1984-	(Mot. Peugeot eng)	4	11	12	0 100 226 197	B081
10/1993-	(1.9L P XUD 9L eng)	4	11	12	0 100 226 197	B081

LANDROVER**DEFENDER**

1/1999-	(2.5 TDI eng)	5	11	12	0 100 226 255	B118
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DISCOVERY

10/1995-	(2.5TDI eng)	4	11.5	12	000 150 0581	B074
1/1999-	(2.5 TDI eng)	5	11	12	0 100 226 255	B118

FREELANDER

1997-2000	(20TL eng) 2L	4	11	12	0 100 226 184	B085
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MAZDA**B2200 / E2200**

K-BA2S8, 8H, 8V, BA2S9,9V, N-BA2S8	1980-1985	(S2 ohv eng)	4	12	12	1353-18-140A	PZ30
N-SR2AM, 2AV, 2AT, N-SE28M, U-SD29M, 29T, U-SE28M, S-SS28M	1984-1996	(R2 ohc eng)	4	10.5	12	S501-18-140A	PZ33
KC-SR2AM, 2AV ,29V	8/1995-5/1997	(R2 eng)	4	12	12	RFJ5-18-601	PZ37
KC-SD2AM,2AT,29M,KB-SD29T	5/1997-6/1999	(R2 eng)	4	11	12	VS01-18-601 R2L2-18-601	PZ36

BRAVO B2500

KC-SD5AM,5AT,59M, 59T KC-SR59V, 5AM, 5AV	1/1996-1999	(WL,WL-T eng)	4	11	12	WL03-18-601 WL81-18-601	PZ39
KG-SK54V, 56V,5HV,56M,5HM KG-SK54T,56T,54L,56L	1999-2002	(WL eng)	4	11	12	RF1M-18-601	CP60
B2900	2002-	(WL-T eng) 2.5L	4	11	12	RF1M-18-601	CP60

(* Behind part number means not available at time of printing.
Original equipment numbers and vehicle names are used for reference purposes only
E and OE.

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed. To ensure correct application of glow plug, check original equipment number matches vehicle application! Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!

MAZDA Cont..

BT50							
WL-C, MZR-CD	11/2006-	(WLAT),16V, 2.5L, 14 Duratorq TDCi	4	11	12	WE01-18-601	PZ710
WE-C, MZR-CD	11/2006-	(WEAT) 16V, 3.0L, 14 Duratorq TDCi	4	11	12	WE01-18-601	PZ710
E2500							
	1977-1981	(XA eng)	4	12	12	1353-18-140A	PZ30
	10/1984-	(XA eng)	4	10.5	12	S501-18-140A	PZ33
	10/1984-	(XA eng)	4	23	24	SE01-18-140A	PZ31
	1996-2003	(WL eng) 12V, 2.5L	4	11	12	RF1M-18-601	CP60
E3000, PARKWAY							
	1977-1981	(HA eng) Tin rocker cover	4	12	12	1353-18-140A	PZ30
T3000							
	1981-5/1984	(HA eng) Alloy rocker	4	10.5	12	S501-18-140A	PZ33
T4100							
	1981-1991	(ZB eng) Alloy rocker	6	23	24	SE01-18-140A	PZ31
BONGO							
	10/1979-	(S2 eng)	4	12	12	1353-18-140A	PZ30
N-SR2AM, N-SD29M, N-SE28	3/1983-9/1993	(R2, RF eng)	4	10.5	12	S501-18-140A	PZ33
	9/1993-1996	(R2 eng)	4	12	12	RFJ5-18-601	PZ37
	11/1996-1999	(R2 eng)	4	11	12	VS01-18-601 R2L2-18-601	PZ36
	8/1995-5/1997	(R2 eng)	4	12	12	RFJ5-18-601	PZ37
KF,KJ,KG	6/1999-	(R2 eng)	4	11	12	RF1M-18-601	CP60
SR	7/1992-5/1997	(VS eng)	4	11	12	VS01-18-601 R2L2-18-601	PZ36
SRF	9/1994-	(VS eng)	4	11	12	RFP1-18-601	PZ702
SRF9W	8/1987-8/1993	(RF.T eng)	4	10.5	12	S501-18-140A	PZ33
SRF9W, SSF8R, 8W	8/1993-9/1995	(RF.T eng)	4	12	12	RFJ5-18-601	PZ37
SSF8R, 8W	9/1995-6/1999	(RF.T, RFIT eng)	4	11	12	RFP1-18-601	PZ702
SGL3, L5, LW, LR	6/1997-99	(WL-T eng)	4	11	12	WL03-18-601 WL81-18-601	PZ39
SK54, 56	6/1999-	(WL/WL-T eng)	4	11	12	RF1M-18-601	CP60
LUCE							
	10/1983-9/1986	(S2 eng)	4	12	12	S210-18-140A	PZ35
MPV							
LVLW, LVLRL	10/1995-6/1999	(WL-T eng)	4	11	12	WL03-18-601 WL81-18-601	PZ39
SPECTRON							
	1983-	(RF eng)	4	10.5	12	S501-18-140A	PZ33
	8/1993-	(R2 eng)	4	12	12	RFJ5-18-601	PZ37

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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MERCEDES

C180							
OM604	10/1998-5/200	(1.8D eng)	4	11.5	12	0 100 226 235	B082
C200							
OM601.913	7/1993-5/2000	(2.0D eng)	4	11.5	12	0 100 226 234	B078
OM604.915	10/1996-5/2000	(2.0D eng)	4	11.5	12	0 100 226 235	B082
OM611.960	3/1998-5/2000	(2.0CDI eng)	4	11.5	12	0 100 226 379	B099
E270							
OM612.962	7/1999-	(2.7CDI eng)	5	11.5	12	0 100 226 379	B099
E300							
OM603.960	7/1993-5/1995	(3.0TD eng)	6	11.5	12	0 100 226 234	B078
OM606.910	7/1993-5/1995	(3.0D, 3.0TD eng)	6	11.5	12	0 100 226 258	B095
OM606.910	6/1995-6/1996	(3.0TD eng)	6	11.5	12	0 100 226 235	B082
OM603.960	7/1993-5/1995	(3.0TD, 3.0TD 4Matic eng)	6	11.5	12	0 100 226 234	B078
OM606.912 / OM606.962	3/1995-	(3.0TD, 3.0TD/E 300T TD eng)	6	11.5	12	0 100 226 235	B082
E320 / S320							
OM613.961 / 960	7/1999-	(3.2CDI eng)	6	11.5	12	0 100 226 379	B099
ML270							
OM612.963	2/1998-	(2.7CDI eng)	5	11.5	12	0 100 226 379	B099
SPRINTER							
OM602.980.10, 12 DELA	2/1995-	(2.9 212D eng)	5	11	12	0 100 226 197	B081
OM602.980.10,12 DELA / OM602.986	2/1995-	(2.9 212D, 2.9 412D eng)	5	11	12	0 100 226 250	B067
OM602.986,OM602.980.10,12 DELA	4/1995-	(2.9 312D, 2.9 310D eng)	5	11	12	0 100 226 250	B067
OM602.980.10,12 DELA	4/1995-	(2.9 312D, 2.9 412D eng)	5	11	12	0 100 226 197	B081
VITO							
OM611A, OM611.960, OM611.980	3/1999-	(108CDI, 110CDI, 112CDI eng)	4	11.5	12	0 100 226 379	B099
OM601.942, OM601.970	2/1996-2001	(108D, 110TD, 308INT eng)	4	11.5	12	0 100 226 234	B078

MITSUBISHI

BUS							
BUS MK103, MM504	1974-1978	(6D10, 6D11 eng)	6	21	24	ME037002	PM66
BUS B820, M(A)R410 MR470, MR520	1968-1978	(6DB1 eng)	6	22.5	24	ME021302	PM60
BUS MR540, MR620	1968-1971	(6DS1 eng)	6	22.5	24	ME021302	PM60
BUS B622	1964-1978	(6DS3 eng)	6	22.5	24	ME021302	PM60

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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*Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed.
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Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!*

MITSUBISHI Cont...**CANTER**

K-FE111,FE211,FE121,FE221	1978-12/1983	(4D30 eng)	4	20.5	24	ME017010	PM73
N-FE301,FE401,U-FE301,FE311,U-FE321	10/1985-10/1993	(4D30 eng)	4	23	24	ME017057	PM78
U-FE317,FE337,FE437,FE447,FE637	10/1989-10/1998	(4D33, 4D34T,4D36 eng)	4	23	24	ME007649	PM163
FB501A,FB501B, FB511A,FB511B	11/1993-9/1994	(4M40 eng)	4	11	12	ME201638 ME200970	CP05
U-FB501,FB511,FD501,KC-FB501	9/1994-	(4M40 eng)	4	11	12	ME201632 ME203583 ME203754	PM165
		(4M42 eng)				ME191813	PM401

CHALLENGER

KD-K97WG,PE8W,PD8W,PF8W	9/1996-	(4M40/T eng)	4	11	12	ME201632	PM165
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DELICA VAN (Import)

N-PO5W,P15W,P25W,P35W	6/1986-	(4D56T eng)	4	6.2	12	MD092392	CP06
PA5W, PB5W, PC5W	6/1993-9/1997	(4D56T eng)	4	11	12	MD197511	CP07
KB-P05V,KC-P15V,KD-P05W,PA5W	9/1997-	(4D56T eng)	4	11	12	MD344469	PM167
PE8W, PD8W, PF8W,	5/1994-4/1996	(4M40 eng)	4	11	12	ME201638 ME200970	CP05
PE8W,PD8W, PF8W	4/1996-	(4M40 eng)	4	11	12	ME201632	PM165

EXPRESS / L200/ L300 / STARWAGON

L200, MC,MDN-L0380,L068P	11/1982-5/1987	(4D55 eng) 2.3L	4	12	12	MD050212	PM75
L300 EXPRESS, SF,SG,SJ, N-P05V P15V ,P25V ,N-L09P,LD69P	6/1986-5/1993	(4D56 eng) 2.5L	4	12	12	MD050212	PM75
L039P	6/1993-3/1994	(4D56 eng) 2.5L	4	11	12	MD301950 MD354500	Refer Note.
P05W,15W,PA5W,PB5W,PC5W,PA5V	6/1993-9/1997	(4D56,4D56T eng) 2.5L	4	11	12	MD197511	Refer Note.
KB-P05V,05T,15V,KC-P15V,KD-P05W	9/1997-	(4D56T eng) 2.5L	4	11	12	MD344469	PM167
KD-PE8W,PD8W,PF8W	5/1994-4/1996	(4M40T eng) 2.8L	4	11	12	ME201638 ME200970	Refer Note.
KD-PE8W,PD8W,PF8W	4/1996-	(4M40T eng) 2.8L	4	11	12	MD344469	PM167
EXPRESS, SJ	9/1999-	(4M41DI eng) 3.2L	4	11	12	ME203539	PM168
L200	2007-	(4M41DI-D) 3.2L 16V (Turbo intercooler)	4	11	12	1820A-006T	PM402
		4D56T/Turbo lintercooler 16V	4	11	12	1820A-006T 1820A-009	PM402
		Note: 4D56T SOHC 8V Turbo	4	11	12		PM167

For extra help choosing the right glow plug for Pajero's and Triton's please refer to the Mitsubishi OE number cross reference page 25

**REMOVE ALL DIRT AND CARBON BUILD UP FROM GLOW PLUG SEAT AND CHAMBER,
THIS PROCEDURE IS OF PARTICULAR IMPORTANCE WHEN REPLACING CERAMIC TIPPED GLOW PLUGS.**



PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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MITSUBISHI Cont...

PAJERO

NA,NB,NC N-L043G	5/1982-11/1982	(4D55,4D55T) (QGS)	4	6	12	MD014997	PM161
ND,NE,NF, N-L043G,L044G,L049G	11/1982-11/1990	(4D55,4D55T,4D56,4D56T)	4	12	12	MD050212	PM75
ND,NE V14V,V24C,V34C,V44W	1/1991-6/1993	(4D56,4D56T eng) 2.5L	4	6.2	12	MD092392	CP06
NG,NH V24C,V24W,V24WG (OE:CERAMIC TIP)	7/1993-5/1997	(4D56,4D56T)	4	11	12	MD197511	Refer Note.
NJ,NK, V26W,V26WG,KC-V46V V46W,KD-V46WG (OE: CERMIC TIP)	1993-1997	(4M40T eng) 8V, 2.8L	4	11	12	ME201638 ME200970	Refer Note.
NK,NL (OE: CERAMIC TIP)	1996-1997	(4M40 eng) 8V, 2.8L	4	11	12	ME201638 ME200970	Refer Note.
NL KC-V46V, KD-V46WG (OE: CERAMIC TIP)	1997-2002	(4M40T) 8V, 2.8L	4	11	12	ME203583 ME201632 ME203754	Refer Note.
NM,NP,NS,NT,KH-V78W-L, KH-V68W-M	2002-2009	(4M41DI) 16V, 3.2L Direct injection	4	11	12	ME203539	PM168

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REMOVE ALL DIRT AND CARBON BUILD UP FROM GLOW PLUG SEAT AND CHAMBER, THIS PROCEDURE IS OF PARTICULAR IMPORTANCE WHEN REPLACING CERAMIC TIPPED GLOW PLUGS.



TRITON

ME,MF,MG,MH,MJ	1987-1993	(4D56)	4	11	12	MD050212	PM75
ME,MF,MG,MH,MJ (OE: CERAMIC TIP)	7/1986-10/1994	(4D56T)	4	11	12	MD197511	Refer Note.
MJ (OE: METAL TIP)	10/1994-12/1996	(4D56,4D56T) 2.5L	4	11	12	MD301950 MD354500	Refer Note.
MJ,MK (OE: CERAMIC TIP)	1993-1998	(4M40T) 8V, 2.8L	4	11	12	ME201638 ME200970	Refer Note.
MK (OE: CERAMIC TIP)	1998-2004	(4M40T) 2.8L	4	11	12	ME203583	Refer Note.
MK	2000-2006	(4M41DI) 3.2L	4	11	12	ME203539	PM168
	2007-	(4M41DI-D) 3.2L 16V (Turbo intercooler)	4	11	12	1820A-006T	PM402
		4D56T/Turbo Intercooler 16V	4	11	12	1820A-006T	PM402
		Note: 4D56T SOHC 8V Turbo	4	11	12	MD344469	PM167

For extra help choosing the right glow plug for Pajero's and Triton's please refer to the Mitsubishi OE number cross reference page 25

REMOVE ALL DIRT AND CARBON BUILD UP FROM GLOW PLUG SEAT AND CHAMBER, THIS PROCEDURE IS OF PARTICULAR IMPORTANCE WHEN REPLACING CERAMIC TIPPED GLOW PLUGS.



TRUCK

FK103,T654, FM104 TRUCK	1974-1979	(6D10 eng, 6D11)	6	21	24	ME037002	PM66
K100-K200,4K100,120TRUCK	1968-1977	(6DB1 eng)	6	22.5	24	ME021302 30866-04104	PM60
T330-T482 TRUCK	1964-1977	(6DB10A eng)	6	22.5	24	ME021302 30866-04104	PM60
T620-T650 TRUCK	1968-1972	(6DS1 eng)	6	22.5	24	ME021302 30866-04104	PM60
T620-T626 TRUCK	1969-1970	(6DS10A eng)	6	22.5	24	ME021302 30866-04104	PM60
T652-T653 TRUCK	1972-1976	(6DS3 eng)	6	22.5	24	ME021302 30866-04104	PM60
T630-T663,FK102,K-FK102 TRUCK	1970-1980	(6DS5,6DS7 eng)	6	20.5	24	ME020911	PM71

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E and OE.

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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NISSAN / DATSUN

720 UTE

R620	11/1978-9/1979	(SD22 eng)	4	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	PN86
K-S720,SG720,RSG720	10/1979-1/1982	(SD22 eng)	4	11	12	11065-31W00 11065-31W01	PN87
S720,SG720,SGY720,RSG720	1/1982-4/1983	(SD22 eng)	4	10.5	12	11065-T8200 11065-T8202	PN128
S720,SG720,SGY720,RSG720	1/1982-4/1983	(SD22 eng)	4	11	12	11065-34W00	PN123
N-A720,AG720,AGY720	4/1983-10/1987	(SD23 eng)	4	10.5	12	11065-T8200 11065-T8202	PN128
N-AD21,AG21,AMD21	8/1985-10/1987	(SD23 eng)	4	11	12	11065-10G00	PN132

AD-VAN

WEY10	8/1993-	(CD20 eng)	4	11	12	11065-57J00	CP02
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CABALL

	10/1967-12/1972	(SD22 eng)	4	10.5	12	11065-37506	PN81
	6/1980-12/1981	(ED33 eng)	4	11	12	11065-34W00	PN123

CABSTAR/HOMER

	1/1976-8/1977	(SD22 eng)	4	10.5	12	11065-37506 11065-37507	PN81
	11/1977-9/1979	(SD22 eng)	4	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	PN86
	9/1979-1/1982	(SD22 eng)	4	11	12	11065-31W00	PN87
	1982-	(SD23 eng)	4	11	12	11065-34W00	PN123
	1982-	(SD23 eng)	4	23	24	11065-T8201 11065-T8203	PN124
	1/1982-87	(SD25 eng)	4	10.5	12	11065-T8200	PN128

CABSTAR F22

	1/1982-	(SD25 eng)	4	11	12	11065-34W00	PN123
	1/1982-	(SD25 eng)	4	23	24	11065-T8201	PN124
	1/1982-	(ED33 eng)	4	23	24	11065-T9000	PN125

CABSTAR F22, H40

		(TD27 eng)	4	11	12	11065-43G01	PN135
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CARAVAN KG-VWE25

		(ZD30DD/ZD30DDTi eng)	6	11	12	11065-2W202	CP73
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CIVILIAN

RW40,GW40, RYW40	5/1988-	(TD42 eng)	6	24	24	11065-10T01	PN136
UBW40, BGW40	6/1990-	(ED35 eng)	4	24	24	11065-02T00	PN137

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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NISSAN / DATSUN Cont...

NAVARA

D21 2WD/4WD	12/1981-10/1987	(SD25 eng)	4	11	12	11065-34W00	PN123
D21 2WD/4WD	12/1981-10/1987	(SD25 eng)	4	10.5	12	11065-T8200	PN128
D21	10/1987-3/1992	(TD23,TD25 eng)	4	11	12	11065-43G01	PN135
D21	10/1987-1999	(TD27 eng)	4	11	12	11065-43G01	PN135
D21	7/1993-1/1997	(TD27T eng)	4	11	12	11065-31N00	PN138
D22	3/1999 -2002	(TD27 eng)	4	11	12	11065-43G01 11065-63G00	PN135
D22	1/1997-2001	(QD32 eng)	4	11	12	11065-0W801 11065-65N01	CP03
D22	2001-	(ZD30DDT eng)	4	11	12	11065-2W202 11065-2W211 11065-AD200 11065-AD201	CP73
D22	2002-08	(YD25ETi eng)	4	11	12	11065-AD20A 11065-AD200 11065-AD201	CP72
D40	2007-	(YD25DDTi eng)	4	11	12	11065-AD20A	CP72

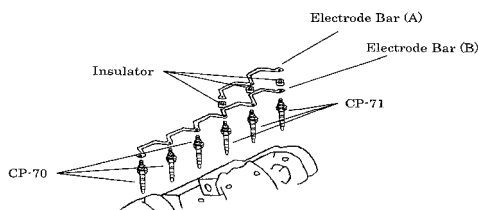
PATHFINDER

R51	2006-	(YD25DDTi eng) 16v	4	11	12	11065-AD200	CP72
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PATROL

MQ, 160	- 6/1980	(SD33 eng)	6	10.5	12	11065-37506 11065-37507	PN81
MQ, 160	6/1980-7/1982	(SD33, SD33T eng)	6	23	24	11065-T3470	PN120
MQ, 160, 161	7/1982-8/1983	(SD33,SD33T eng)	6	23	24	11065-T8201 11065-T8203	PN124
MQ, 160, 161	5/1983-6/1985	(SD33,SD33T eng)	6	11	12	11065-34W00	PN123
MQ, 160, 161	7/1985-	(SD33T)	6	11	12	11065-10G00	PN132
MQ, 160, 161	10/1985-10/1987	(SD33,SD33T eng)	6	24	24	11065-C8600	PN131*
GQ, Y60 S-VR,SVRG,Q-WG,WR,WRG	11/1987-10/1997	(TD42 eng) 4.2L	6	24	24	11065-10T01	PN136
WGY60,VRGY60,WRGY60	10/1984-10/1997	(TD42 eng) 4.2L	6	11	12	11065-43G01 11065-63G00	PN135
KD-WRGY60,WRGY60	1997-1999	(TD42 eng) 4.2L	6	11	12	11065-31N00 11065-G2400	PN138
GU, Y61 KD-WRGY61, KG-VRGY61	10/1999-	(TD42T eng)	6	11	12	11065-31N00 11065-G2400	PN138
GQ, Y60 WYY60	1995-1997	(RD28T eng) 2.8L	3 3	6.5 6.5	12 12	11065-V7203 11065-V7202	CP70 CP71

Nissan RD28T is a 6 cylinder which requires two different plugs,
 CP70 in CYLINDERS 1,2,3. RUN PARALLEL.
 CP71 in CYLINDERS 4,5,6. RUN IN SERIES.
 As CP71 runs closely in conjunction with CP70 it is important that all glow plugs are the same brand, otherwise it may create an improper current to the glow plugs resulting in an extremely short lifespan.



GU, Y61 KD-WYY61	1997-2001	(RD28 ETi eng)	6	11	12	11065-4P400	CP04
GR, Y61 KH-WTY61, VVTY61	2000-2008	(ZD30DDTi eng)	4	11	12	11065-2W202	CP73

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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NISSAN / DATSUN Cont...

TERRANO (Import)

N-VBY21,WBYD21	8/1986-	(TD27 eng)	4	11	12	11065-43G01 11065-63G00	PN135
Q-WBYD21	11/1988-1995	(TD27T eng)	4	11	12	11065-31N00 11065-G2400	PN138
PR50	9/1995-1999	(TD27Eti eng)	4	11	12	11065-0W801 11065-65N01	CP03
KD-PR50, RR50	6/1997-	(QD32ETi eng)	4	11	12	11065-0W801 11065-65N01	CP03
	1999-	(ZD30DDTi eng)	4	11	12	11065-2W202	CP73

TRUCK

ATLAS K-EF22,K-YF22, EGF22	12/1981-	(SD23 eng)	4	11	12	11065-34W00	PN123
ATLAS K-YF22, YGF22	8/1985-	(SD23 eng)	4	11	12	11065-10G00	PN132
ATLAS K-EF22, EGF22, REG22,N-EH40, K-	12/1981-	(SD25 eng)	4	23	24	11065-T8201	PN124
ATLAS K-EH40	12/1981-	(SD25 eng)	4	10.5	12	11065-T8200	PN128
ATLAS N-EF22, EGF22,VEGF22	8/1985-	(SD25 eng)	4	11	12	11065-43G01	PN135
ATLAS N-TF22,TGF22	11/1986-	(TD23 eng)	4	11	12	11065-43G01	PN135
ATLAS N-AF22, AGF22, VAG22, AH40	11/1986-	(TD27 eng)	4	11	12	11065-43G01	PN135

URVAN

E20, E21	3/1978-1980	(SD22 eng)	4	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	PN86
E23	9/1980-4/1982	(SD22 eng)	4	11	12	11065-31W00	PN87
E23 VYE23, VYGE23	5/1982-9/1986	(SD23 eng)	4	11	12	11065-34W00	PN123
CYGE23, DYGE23	5/1982-	(SD23 eng)	4	23	24	11065-T8201	PN124
N-KSE23, KSGE23	5/1982-9/1986	(LD20,LD20T eng)	4	8.5	12	11065-W3400	PN129
N-KSE23, KSGE23	5/1982-9/1986	(LD20, LD20T eng)	4	6.5	12	11065-W2500	PN121
	6/1991-	(CD20,CD20T)	4	11	12	11065-57J00 11065-5C900	CP02
E24, CYGE24, N-VYE24	9/1986-8/1990	(TD23 eng)	4	11	12	11065-43G01 11065-63G00	PN135
RE24, GE24, ME24	10/1987-	(TD27 eng)	4	11	12	11065-43G01	PN135
KRE24, CRGE24, VRGE24, ARME24	10/1988-8/1995	(TD27,TD27Ti eng)	4	11	12	11065-31N00 11065-G2400	PN138
KD-ARE24, KRE24, KC-VVE24, KDWGE24	8/1995-	(TD27Ti, QD32 eng)	4	11	12	11065-0W801 11065-65N01	CP03
KG-VVE25, VPE25		(ZD30DD, ZD30DDTi eng)	4	11	12	11065-2W202	CP73

VANETTE

GC22	10/1982-	(LD20,LD20T eng)	4	8.5	12	11065-W3400	PN129
GC22	10/1985-	(LD20II eng)	4	11	12	11065-G5501	CP01
	6/1991-	(CD20,CD20T eng)	4	11	12	11065-57J00	CP02
	6/1999-	(R2 eng)	4	11	12	RF1M-18-601	CP60

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E and OE.

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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OLDSMOBILE

260 cu. in. V6	1982-1983	(4.3L eng)	6	6	12		PA302
260 cu. in. V8	-1979	(4.3L eng)	8	11	12		PA301
260 cu. in. V8	1979-	(4.3L eng)	8	6	12		PA302
350 cu. in. V8	1977-1979	(5.7L eng)	8	11	12		PA301
	1979-	(5.7L eng)	8	6	12		PA302

PEUGEOT

407							
	5/2006-	(2.2Hdi eng)	4	11	12	596099	B124
504							
XD2	6/1978-6/1983	(2.3D eng)	4	11	12	0 250 201 039	B081
604							
XD2S, XD2D	2/1979-6/1983	(2.3TD eng)	4	11	12	0 250 201 039	B081
XD3T	7/1983-6/1986	(2.5TD eng)	4	11	12	0 250 201 039	B081
607							
	2006	(2.2Hdi eng)	4	11	12	596099	B124

ROVER

LAND ROVER							
12J	1/1985-12/1990	(2.25L, 2.3L, 2.5D eng)	4	11	12	0 250 201 039	B081
Country 110	1/1989-3/1994	(2.5TD eng)	4	11	12	0 100 221 141	B049
75 Series	2/1999-	(2.0CDT eng)	4	11	12	0 100 226 362	B104
DEFENDER, DISCOVERY							
200TDI	9/1989-	(2.5TDI eng) Gemini 1,19L,23L	4	11.5	12	0 250 202 040	B074
FREELANDER							
TCI-E	3/1998-	(2.0DI eng)	4	11	12	0 250 202 025	B085
RANGE ROVER							
Gemini 1	9/1989-	(2.5TD eng)	4	11.5	12	0 250 202 040	B074
ETC 9091 N	1986-1994	(2.5TDI eng)	4	11.5	12	0 250 202 040	B074
BMW 5 TWC 2000	1/1995-	(2.5TDI eng)	4	11	12	0 250 201 039	B081
VOGUE VM HR-492, VM 425, SLIRR	1/1993-	(2.5TDI eng)	4	11	12	0 250 201 039	B081
BMW M51-025	9/1994-	(2.5DT, DSE eng)	6	11	12	0 250 201 039	B081

SEAT

	8/1993-	(1.9TDI eng) 1Z	4	11	12	0 250 202 009	B077
	2/1999-	(1.9TDI eng) AGR, AHF	4	11	12	0 250 202 009	B077

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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SSANGYONG**ACTYON**

	8/2004-	(200Xdi, 270Xdi) 2.0L, 2.7L	5	11.5	12	66415-90001	B121
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KORANDO

OM661	12/1996-1/1999	(2.3D eng)	4	11.5	12	0 100 226 234	B078
KJ, OM662	12/1996-	(2.9D eng)	5	11.5	12	0 100 226 234	B078

KYRON

	8/2004-	(200Xdi, 270Xdi) 2.0L, 2.7L	5	11.5	12	66415-90001	B121
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MUSSO

OM601	7/1993-1/1999	(2.3D eng)	4	11.5	12	0 100 226 234	B078
MJ, OM602,OM662	7/1993-	(2.9D eng)	5	11.5	12	0 100 226 234	B078

REXTON

RX270	8/2004-	(200Xdi, 270Xdi) 2.0L, 2.7L	5	11.5	12	66415-90001	B121
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SUZUKI**VITARA**

KD (ESCUDO)	10/1996-	(RF Turbo)	4	11	12	RF1M-18-601	CP60
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SWIFT

	5/2008-	(Z13DT eng) 1.3DDis	4	11	12	18550 84E50	B122
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TATA**4DL**

	7/1988-	(206,207 eng)	4	11	12	0 100 221 107	B081
	2000-		4	11	12	0 100 226 164	B080

TOYOTA**AYGO**

	5/2005-	(2WZ-TV eng) 1.4HDi	4	11	12	SU001-00850	B123
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4 RUNNER

LN60, LN61	8/1983-8/1985	(L eng)	4	11	12	19850-54031	PT144
LN60, LN61	8/1985-8/1988	(2L eng)	4	7	12	19850-54050	PT140
LN130R, LN135	8/1988-1998	(2LTEeng)	4	11	12	19850-54090	PT151
LN130R, LN135	8/1988-1998	(3L eng)	4	11	12	19850-54090	PT151
KZN185	1992-1997	(1KZ-TE eng)	4	11	12	19850-67020	CP22

BLIZZARD

LD10	3/1980-10/1981	(L eng)	4	11	12	19850-54031	PT144
LD10,LD20,LD21	10/1981-2/1990	(L, 2L eng)	4	7	12	19850-54050	PT140
LD20,LD21	8/1983-2/1990	(2LT eng)	4	6	12	19850-54070	PT147
LD20,LD21	4/1994-	(2LTE eng)	4	11	12	19850-54090	PT151

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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TOYOTA Cont...

COASTER

K-BB20,30	5/1982-7/1989	(3B eng)	4	14	24	19850-68060	PT141
K-BB21, 31, 26V	1/1990-	(3B eng)	4	23	24	19850-58010	PT153
N-HB30	5/1982-1/1990	(2H eng)	6	14	24	19850-68060	PT141
U-HZB30,31,36V,HDB30,KC-HZB50	1/1990-	(1HDT, 1HZ eng)	6	23	24	19850-58010	PT153
KC-RX4, KK-RX4JFET	5/1999-	(JO5C eng)	4	23	24	19110-1220	PH26

DYNA

BU20, 30, 60	8/1980-7/1989	(B eng)	4	10.5	12	19850-68010	PT145
BU20, 22,60,63	4/1982-7/1989	(B eng)	4	14	24	19850-68060	PT141
BU60, 70, 83	8/1988-5/1995	(B eng)	4	23	24	19850-58010	PT153
BU31	8/1977-8/1980	(2B eng)	4	8.5	12	19850-68030	PT104
	8/1977-8/1980	(2B eng)	4	20.5	24	19850-68040	PT109
	8/1980-	(2B eng)	4	10.5	12	19850-68010	PT145
	8/1980-	(2B eng)	4	23	24	19850-68020	PT108
BU36	8/1980-4/1982	(3B eng)	4	20.5	24	19850-68040	PT109
BU23,32,34,36	1982-1988	(3B eng)	4	14	24	19850-68060	PT141
BU100,105,110, 20V,140,145	5/1995-	(3B eng)	4	23	24	19850-58010	PT153
JU10	2/1969-1/1973	(2J eng)	4	8	12	19850-46020	PT90
JU10, 12, 15, 20	1/1973-10/1974	(2J eng)	4	8.5	12	19850-68030	PT104
	1/1973-10/1974	(2J eng)	4	20.5	24	19850-68040	PT109
HU15	5/1972-10/1974	(H, 2H eng)	4	19	24	19850-56010	PT94
HU15, 30	10/1974-4/1982	(H, 2H eng)	4	20.5	24	19850-68040	PT109
HU26, 40, 50	4/1982-4/1983	(H, 2H eng)	4	14	24	19850-68060	PT141
LY50, LY60	8/1985-2/1988	(2L eng)	4	7	12	19850-54050	PT140
LY50, LY51,LY61,LY211	3/1988-1997	(2L,3L eng)	4	11	12	19850-54090	PT151
LY102,LY132,LY220,LY230	1997-	(5L eng)	4	11	12	19850-54120	PT155
350 Series,XZU302,	5/1999-	(SO5D,SO5C, JO5C eng)	4	23	24	19110-1220	PH26

HIACE

LH20, 24, 30	7/1979-5/1981	(L eng) 2.2L	4	11	12	19850-54031	PT144
LH24, 50, 55, 60, 70	5/1981-1988	(L eng) 2.2L	4	7	12	19850-54050	PT140
LH51,56,61,66,71,80	1/1984-7/1989	(2L eng) 2.4L	4	7	12	19850-54050	PT140
LH80, 85, 100,102	8/1987-7/1989	(2L-T eng) 2.4L	4	6	12	19850-54070	PT147
LN85,LH103,110,113,125	8/1989-1996	(2L, 2L-T,2L-II, 3L eng)	4	11	12	19850-54090	PT151
KZH100G, 106G,110G,132V.	9/1993-	(1KZ-TE eng) 3.0L	4	11	12	19850-67020	CP22
LY101,LY111,LY151,LY161	8/1995-10/1996	(3L eng) 2.8L	4	11	12	19850-54090	PT151
LH103,LH113,LH125	8/1996-8/1998	(3L eng) 2.8L	4	11	12	19850-54120	PT155
LH162,LH172,LH184,LH186,LH188	8/1998-	(5L eng) 3.0L	4	11	12	19850-54120	PT155
KR-KDH200V,K, KDH205V,KDH220K	2005-2006	(2KD-FTV eng) 2.5L	4	11	12	19850-27010	PT157

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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TOYOTA Cont...

HILUX

LN30, 40	7/1979-10/1981	(L eng) 2.2L	4	11	12	19850-54031	PT144
LN40, 46, 55,56,60,65	10/1981-	(L,2L eng)	4	7	12	19850-54050	PT140
LN56, 65	8/1983-8/1985	(2L eng) 2.4L	4	11	12	19850-54031	PT144
LN56, 65	10/1985-8/1988	(2L eng) 8V, 2.4L	4	7	12	19850-54050	PT140
LN61, 80, 85, LN130G	9/1988-	(2L eng) 8V, 2.4L	4	11	12	19850-54090	PT151
LN60V	11/1984-1997	(2LT eng) 2.4L	4	6	12	19850-54070	PT147
LN165, 170H	9/1997-	(2LTE eng) 2.4L	4	11	12	19850-54120	PT155
LN80, LN86, LN106, LN107, LN110, LN111	2/1988-1997	(3L eng) 2.8L	4	11	12	19850-54090	PT151
LN130 (SURF)	8/1990-9/1997	(2L-TE eng) 2.4L	4	11	12	19850-54090	PT151
LN147, LN152, LN167, LN172R	10/1997-2005	(5L eng) 8V, 3.0L	4	11	12	19850-54120	PT155
KZN165R, KZN185	1999-2005	(1KZ-TE eng) 8V, 3.0L Turbo	4	11	12	19850-67020 19850-67030 19850-64060	CP22
KUN16R, KUN26R, KH-KDN185	2005-	(1KD-FTV eng) 16V, 3.0L	4	11	12	19850-27010	PT157

LANDCRUISER

BJ40, 43	2/1974-7/1975	(B eng) 3.0L	4	8	12	19850-56020	PT93
	2/1974-1/1975	(B eng) 3.0L	4	19	24	19850-56010	PT94
	7/1975-10/1980	(B eng) 3.0L	4	8.5	12	19850-68030	PT104
BJ40, 43	1/1975-2/1979	(B eng) 3.0L	4	20.5	24	19850-68040	PT109
BJ41, 42, 44	2/1979-10/1981	(2B eng) 3.2L	4	20.5	24	19850-68040	PT109
	10/1981-9/1982	(2B, 3B eng)	4	14	24	19850-68060	PT141
BJ42, 60, 70, 73	10/1981-	(3B eng) 3.5L	4	10.5	12	19850-68010	PT145
BJ70, 73V	8/1963-1/1990	(3B eng) 3.5L	4	23	24	19850-58010	PT153
HJ45	4/1972-6/1973	(H eng) 3.6L	6	8	12	19850-46020	PT90
	6/1973-10/1974	(H eng) 3.6L	6	8	12	19850-56020	PT93
	1/1975-7/1980	(H eng) 3.6L	6	8.5	12	19850-68030	PT104
	10/1974-4/1982	(H eng) 3.6L	6	20.5	24	19850-68040	PT109
HJ47	8/1980-10/1982	(2H eng) 4.0L	6	8.5	12	19850-68030	PT104
	10/1982-10/1984	(2H eng) 4.0L	6	6	12	19850-68050	PT146
HJ60	8/1980-7/1982	(2H eng) 4.0L	6	10.5	12	19850-68010	PT145
	10/1982-8/1988	(2H eng) 4.0L	6	6	12	19850-68050	PT146
	8/1988-1/1990	(2H eng) 4.0L	6	11	12	19850-64031	PT152
HJ60, HJ61	10/1982-8/1987	(2H eng) 4.0L	6	14	24	19850-68060	PT141
	1986-1990	(2H eng) 4.0L	6	14	24	19850-68060	PT141
HJ75	11/1984-9/1988	(2H eng) 4.0L	6	6	12	19850-68050	PT146
	8/1988-1/1990	(2H eng) 4.0L	6	11	12	19850-64031	PT152
PZJ70, 73, 75	1/1990 -1994	(1PZ eng) 3.5L	5	11	12	19850-64031	PT152
PZJ70, 77	1/1990 -1994	(1PZ eng) 3.5L	5	23	24	19850-58010	PT153

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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TOYOTA Cont...

LANDCRUISER Cont...

HDJ80	1990-1995	(1HD-T eng) 4.2L	6	11	12	19850-64031	PT152
HDJ80	1995-1998	(1HD-FTE eng) 4.2L	6	11	12	19850-64031	PT152
HDJ78,79,100	2000-2007	(1HD-FTE eng) 24V, 4.2L	6	11	12	19850-17020	PT158
HZJ70, 73, 75, 80, 105	1/1990 -8/1999	(1HZ eng) 4.2L	6	11	12	19850-64031	PT152
HZJ75, 78, 79, 105	8/1999-2007	(1HZ eng) 12V, 4.2L	6	11	12	19850-17020	PT158
HZJ70, 73, 77	1/1990-	(1HZ eng) 12V, 4.2L	6	23	24	19850-58010	PT153
KZJ90,95W,KZJ71G-95W	1999-10/2000	(1KZ-TE eng) 3.0L	4	11	12	19850-67020 19850-67030 19850-64060	CP22
KDJ95W, KH-KDJ90, KH-KDJ95	10/2000-	(1KD-FTV eng) 3.0L	6	11	12	19850-27010	PT157
VDJ176R VDJ78R, VDJ79R	2007-	(1VD-FTV eng) 32V 4.5L V8	8		12		TBA

PRADO

LJ71, LJ78, LJ81	4/1990-5/1993	(2L-TE eng) 2.4L	4	11	12	19850-54090	PT151
KZJ95R, KZJ120R	2000-2006	(1KZ-TE eng) 8V, 3.0L	4	11	12	19850-67020 19850-67030 19850-64060	CP22
KDJ120R, KDJ150R	10/2006 -2009	(1KD-FTE eng) 8V, 3.0L	4	11	12	19850-27010	PT157

TARAGO / LITEACE / TOWNACE

CM20,26, 27	10/1982-7/1988	(1C, 1C-II, 2C-II eng) 1.8/2.0L	4	7	12	19850-64010	PT107
CM30,50, CR21	8/1988-	(1C-II, 2C, 2C-III, 2C-IIIIT)	4	11	12	19850-64020	PT150
CR22,29,31,38	8/1993-	(2C-T eng) 2.0L	4	11	12	19850-67020 19850-67030 19850-64060	CP22
CR22,29,31,38 CR40G, 50G	8/1994-	(3C-T eng) 2.2L	4	11	12	19850-67020	CP22
KB-CR41V, 51V	10/1996-	(2C eng) 2.0L	4	11	12	19850-64050	PT154

TOYOACE

JY16, JY30	4/1974-8/1980	(2J neg)	4	8.5	12	19850-68030	PT104
	4/1974-8/1980	(2J eng)	4	20.5	24	19850-68040	PT109
	8/1980-1/1982	(2J eng)	4	10.5	12	19850-68010	PT145
	2/1982-7/1987	(2J eng)	4	23	24	19850-68020	PT108
	2/1982-7/1987	(2J eng)	4	6	12	19850-68050	PT146
	2/1982-7/1987	(2J eng)	4	14	24	19850-68060	PT141
BY30, BY31	8/1980-1988	(B eng)	4	10.5	12	19850-68010	PT145
	8/1980-1988	(B eng)	4	23	24	19850-68020	PT108
	2/1982-1988	(B eng)	4	14	24	19850-68060	PT141
	8/1988-5/1995	(B eng)	4	23	24	19850-58010	PT153
LY20, 30,	4/1980-1/1982	(L eng) 2.2L	4	11	12	19850-54031	PT144
	1/1982-	(L eng) 2.2L	4	7	12	19850-54050	PT140

(* Behind part number means not available at time of printing.

Original equipment numbers and vehicle names are used for reference purposes only
E and OE.

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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*Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed.
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Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!*

TOYOTA Cont...**TOYOACE Cont..**

LY21, 31	8/1983-8/1988	(2L eng) 2.4L	4	7	12	19850-54050	PT140
LY50, LY51, 61	8/1988-1995	(2L-II, 3L eng)	4	11	12	19850-54090	PT151
LY131	6/1995-	(3L eng) 2.8L	4	11	12	19850-54090	PT151
BU100, 105, 120	6/1995-	(3B eng) 3.5L	4	23	24	19850-58010	PT153
G25, FB4J	6/1995-	(J05C,S05C eng)	6	23	24	19110-1220	PH26

VOLKSWAGEN**GOLF III**

1Z, AHU, ALE, AEY	8/1993-8/1998	(1.9TD, (SDI, Variant TDI eng)	4	11	12	0 100 226 227	B077
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CARAVELLE

	8/1995-	2.5TDI (ACV eng)	5	11	12	0 100 226 227	B077
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PASSAT

	8/1996-	2.5TDI (AHU, AHH,ATD,AFN, AJM,	4	11	12	0 100 226 227	B077
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TRANSPORTER

AAB, AJA	9/1990-2002	(2.4TD, 2.4D eng)	5	11	12	0 100 226 164	B080
T4, LT, LT46, IV	8/1995-4/2003	2.5TDI (ACV,AGX,AHY, AXG, AJT, AYY, APA, ANJ, AVR, BBE, BBF, eng's)	5	11	12	0 100 226 227	B077
V & Multivan	4/2003-	1.9TDI (AXC, AXB eng's)	4	11	12	0 100 226 343	B086
V & Multivan	4/2003-	2.5TDI (AXD, AXE eng's)	5	11	12	0 100 226 343	B086



Mitsubishi

It has come to our attention that due to the number of different Glow systems fitted to Mitsubishi 4D56 & 4M40 engines, it is not always clear which glow plugs should be fitted to certain applications.

To identify the correct glow plug for the application, please follow the following guide lines.

If you are re-placing the original genuine Mitsubishi glow plugs cross-reference it to the correct Partech part number.

If you have another aftermarket brand which you can not cross reference to Partech or believe that the incorrect glow plug has been fitted, please contact your local Mitsubishi Dealer with all your vehicle information and ask them to indicate the correct Mitsubishi part number for your application, which you can then cross-reference to Partech.

ENGINE	MODEL	CYL	YEAR	CHASSIS	PART NO	PV	BV	OE NO	
4D56	DELICA	4	93.6-94.3	L039P	PM-164	11	12	MD301950	
		4	86.6-93.5	L09P, LD69P	Not Avail		12	MD070194	
		4	86.6-93.5	P05V, P15V, P25V	PM-75	12	12	MD050212	
		4	93.6-	P05V, 15V, 25V, 45V	CP-07	11	12	MD197511	
	L200	4	90.2-93.8	KJ3, KJ7	PM-75	12	12	MD050212	
		4	93.9-4	KJ3, KJ7	CP-07	11	12	MD197511	
		4	93.9-	KJ3, KJ7, K14T, K34T	PM-164	11	12	MD301950	
	PAJERO	4	82.11-	L044G, L049GV, L144G, L149G	Not Avail		12	MD070194	
		4	82.11-	L044G, L049GV, L144G, L149G	PM-75	12	12	MD050212	
		4	91.1-93.6	V14V, V24C, V, W, WG	CP-06	6.2	12	MD092392	
		4	93.7-	V24C, V24W, V24WG	CP-07	11	12	MD197511	
	STRADA	4	91.1-93.6	V34C, V, W, WG, V44W, WG	CP-06	6.2	12	MD092392	
		4	90.2-93.8	RING DDL FOR INFO	PM-75	12	12	MD050212	
	4	93.9-	RING DDL FOR INFO	PM-164	11	12	MD301950		
	4D56T	DELICA	4	93.6-	P05T, P15T, P25T, 6039G	CP-07	11	12	MD197511
			4	97.9-	P05T, P15T, P25T	PM-167	11	12	MD344469
4			97.9-	P05V, P15V, P25V, P45V	PM-167	11	12	MD344469	
4			86.6-	P05W, P15W, P25W, P35W	CP-06	6.2	12	MD092392	
4			93.6-	P05W, P15W, P25W, P35W	CP-07	11	12	MD197511	
4			97.9-	P05W, P15W, P25W, P35W	PM-167	11	12	MD344469	
4			93.6-	PA5V, PB5V, PD5V	CP-07	11	12	MD197511	
4			97.9-	PA5V, PB5V, PD5V	PM-167	11	12	MD344469	
PAJERO		4	93.6-	PA5W, PB5W, PC5W	CP-07	11	12	MD197511	
		4	97.9-	PA5W, PB5W, PC5W	PM-167	11	12	MD344469	
		4	82.11-	L044G, L049GV, L144G, L149G	Not Avail		12	MD070194	
		4	82.11-	L044G, L049GV, L144G, L149G	PM-75	12	12	MD050212	
STRADA		4	91.1-93.6	V14V, V24C, V, W, WG	CP-06	6.2	12	MD092392	
		4	93.7-	V24C, V24W, V24WG	CP-07	11	12	MD197511	
		4	91.1-93.6	V34C, V, W, WG, V44W, WG	CP-06	6.2	12	MD092392	
		4	91.5-93.9	K34T	CP-06	6.2	12	MD092392	
4M40	CANTER	4	97.9-	K74T	PM-167	11	12	MD344469	
		4	93.1-	RING DDL FOR INFO	CP-07	11	12	MD197511	
	CANTER	4	93.11-	FB501A, B, FB511A, B	CP-05	11	12	ME200970, ME201638	
	DELICA	4	96.4-	PE8W, PD8W, PF8W	PM-165	11	12	ME203583, ME201632, ME203754	
L200	4	1997-		CP-05	11	12	ME200970, ME201638		
	4	1998-		PM-165	11	12	ME203583, ME201632, ME203754		
STRADA	4	1998-		PM-165	11	12	ME203583, ME201632, ME203754		
	4	1998-		CP-05	11	12	ME200970, ME201638		
CHALLENGER	4	96.9-	K97W	PM-165	11	12	ME203583, ME201632, ME203754		
CANTER	4	94.9-	FB501, FB511, FD501	PM-165	11	12	ME201632, ME203583, ME203754		
4M40T	CHALLENGER	4	96.9-	K97W	PM-165	11	12	ME203583, ME201632, ME203754	
	CANTER	4	94.9-	FB501, FB511, FD501	PM-165	11	12	ME201632, ME203583, ME203754	
	DELICA	4	94.5-	PE8W, PD8W, PF8W	CP-05	11	12	ME200970, ME201638	
	PAJERO	4	93.7-	V26W, V26WG	CP-05	11	12	ME200970, ME201638	
		4	93.7-	V46V, V46W	CP-05	11	12	ME200970, ME201638	

QUALITY PRODUCTS SUPPLIED

BY



Workshop Equipment



Glow Plugs



Timing Components



Timing & Fan Belts, Welsh Plugs



Swivel housing kits



Centre Bearings, Uni-joints, Wheel bearings



Thermostat Housings



CV / Rack Boots



Balancers & Pulleys



PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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*Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed.
To ensure correct application of glow plug, check original equipment number matches vehicle application!
Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!*

GLOW PLUGS FOR INDUSTRIAL DIESEL ENGINES

HINO

HINO INDUSTRIAL ENGINES

1978-1982	(B eng)	4	19	24	19850-56010	PT94
1983-	(B, 3B eng)	4	14	24	19850-68060	PT141
1979-1982	(3B eng)	4	20.5	24	19850-68040	PT109
1978-	(DG eng)	4	8.5	12	19850-68030	PT104
1970-1976	(DM100, DQ100 eng)	6	19	24	19110-1040 63013-30010	PH21
1968-	(EB200, EB300, EB400)	6	19	24	19110-1040 63013-30010	PH21
1968-	(EC100, EH100, EH300)	6	19	24	19110-1040 63013-30010	PH21

UNIVERSAL

EB100, DK10, 10T, DS50, DS70	6	22.5	24	19110-1050 60543-30901	PH20
DM100, EB300, EC100, EH100	6	19.0	24	19110-1040 63013-30010	PH21

ISUZU

UNIVERSAL

2KA1,2KB1,2KC1,2AA1,2AB1,2AE1	2	10.5	12	9-82511978-0	PI42
3KA,3KB1,3KC1,3AA1,3AB1,3AD1 3AE1, 3AF1, 3AG1	3	10.5	12	9-82511978-0	PI42
C190, 201, 221, 240,4BA1	4 4	10.5 20.5	12 24	9-82511978-0 9-82513959-0	PI42 PI43
D500	6 6	10.5 20.5	12 24	9-82511978-0 9-82513959-0	PI42 PI43
4FA1, FB1	4 4	10.5 5.0	12 12	9-82511978-0 8-94221719-3 8-94241449-0 8-94255588-0	PI42 PI46
4BB1, 4BC2, 4BD1	4	20.5	24	9-82513928-8	PI44
DA120, 220	4	22.5	24	9-82511994-0 9-82511945-0	PI40**
DA640, DH100	6	22.5	24	9-82511994-0 9-82511945-0	PI40**

KOMATSU

FORKLIFT

4D95S	4	11.0	12	19850-64031	PT152
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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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KUBOTA

TRACTOR

A15, A17, A19		D905, 1005, 1105	3	11	12	16241-6551-1 16261-6551-1	PS207
A155, A175, A195		D905-H, 1005-H, 1105-H					
GT-3, GT-5, GT-8		V1405-L, 1505-L, 1505	4	11	12	16241-6551-1	PS207
B5001, B-10		Z500-1	2	10.5	12	15951-6551-2	PS201
B1200, B1400, B1402(DT), B8200, XB-1 B1500, B1502(DT), B1600, B1702, B1902		D750-L, 750LD-1, 850L, 850M D950	3	10.5	12	15951-6551-2	PS201
B7000		Z650, 750, 751, 751A, 851	2	10.5	12	15221-6551-3	PS204
L175, L185, L225, L245, L285, L295 L305, L345, L1500, L1501, L1801, L2000		D1100, 1101, 1101A, 1301 D1301A, DH1101	3	10.5	12	15221-6551-3	PS204
L2200, L2201, L2600, L2601, L3001		V1500, 1500A, 1501A, 1501DA	4	10.5	12	15221-6551-3	PS204
M4000, M4500		S2200, 2600, 2600A	6	10.5	12	15221-6551-3	PS204
B1902(DT), L275, L1802, L2002, L2202 L2402, L2602, L2802, L3202, L3602		D1102, 1302, 1302-A, 1402 D1402L	3	10.5	12	15521-6551-2	PS202
L4002, L4202(DT) L4212, M4950		V1502, 1902, VT1502 S2800	4 6	10.5 10.5	12 12	15521-6551-2 15521-6551-2	PS202 PS202
L1-18, 20, 22, 24 L1-185, 205, 225, 245		D1302DI, D1402-DI D1462-DI-L, D1462DI	3	10.5	12	17331-6551-1	PS209
L1-26, 28, 33, 43, 265, 285		V1512-DI-L, D1512-DI, V1512-DI-T	4	10.5	12	17331-6551-1	PS209
L1-38, 45		F2202-DI, 2802-DI	5	10.5	12	17331-6551-1	PS209
M4030, M5030, M4830, M4930		S2602-DI, 2802-DI	6	10.5	12	17331-6551-1	PS209
X-20D, X-24D		V1305, V1405	4	11	12	16241-6551-1 16261-6551-1	PS207
GL-19, 21, 23, 25, 27, 29, 32		D1403, D1463, D1503	3	11	12	19077-6551-0	PS208

COMBINE

R1-18, 20, 22, 24, 191, 201, 241		D-905-C, 1005-C/C-1/C-2/LC, 1105-C	3	11	12	PS207	16241-6551-1 16261-6551-1
R1-30, 35, 40, 261		V1305-C, 1405-HC, 1505-C	4	11	12	16241-6551-1 16261-6551-1	PS207
NX1000, 1600, 2000		E75-C2	1	10.5	12	15951-6551-2	PS201
NX2200, RX145AGU, 155AGU RX185AG		ZB400, 400C, 400-C2, 400-C3 Z600C, 600-C1, 620C	2	10.5	12	15951-6551-2	PS201
RX550, 750, 900, 950		D-600C, D640-C, 750,	3	10.5	12	15951-6551-2	PS201
RX1100, 1450, 1500, 1550, 1900, 1950 RX2100, 2450, 2750 RX2150, 1250		750-C, D-850-C2, 850-C3, 950-C V1200-C, V1200C-1	3 4	10.5 10.5	12 12	15951-6551-2 15951-6551-2	PS201 PS201
RX700		E75C	1	10.5	12	15951-6551-2	PS201
NX3000-1, RX2800		DH1402-C	3	10.5	12	15521-6551-2	PS202
RX3600, X3000-A		V1502	4	10.5	12	15521-6551-2	PS202
HT900, 2200		Z650C	2	10.5	12	15221-6551-3	PS204
NX3000		D1101, 1301	3	10.5	12	15221-6551-3	PS204
RX3250		D1462DI-C	3	10.5	12	17331-6551-1	PS209
RX3650		V1512-DI-L	4	10.5	12	17331-6551-1	PS209

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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KUBOTA Cont...

LAWN MOWER

AMX-3		D950	3	10.5	12	15951-6551-2	PS201
AMX-5		V1305-AMX	4	11	12	16241-6551-1 16261-6551-1	PS207
AR20, RX201, KX-014, 021, 024		D1105-BH/BHG/BHG-SR	3	11	12	16241-6551-1 16261-6551-1	PS207
AR30,RA300,400,RX301		V1305-RP, 1505-RP	4	11	12	16241-6551-1 16261-6551-1	PS207
KX-026, 027, 030		V1505-BH/BHG/BH-SR					

CONSTRUCTION MACHINERY

KH-5, KH-8H-2, KH-18-2		D850, 850BH, 950, 950BH-1	3	10.5	12	15951-6551-2	PS201
KH-31, 35, 50, KH-012, 014		Z600K1, 600KW-3,620KW	2	10.5	12	15951-6551-2	PS201
KH-1, KH-10, KH-14		D1100BH, 1301	3	10.5	12	15221-6551-3	PS204
KH-15, KH-18		S2200	6	10.5	12	15221-6551-3	PS204
KD-15, RW-25		V1500BDW	4	10.5	12	15221-6551-3	PS204
KD-15, RW-25		Z751BD	2	10.5	12	15221-6551-3	PS204
KH-11H, KH-12FD, KH-20, 60, 70, 90		D1302, 1302-BH-2, 1402-BH-3	3	10.5	12	15521-6551-2	PS202
KH-030TS		VT1502, V1702BH-2	4	10.5	12	15521-6551-2	PS202

GENERATOR

		D750-L, 850-L, 950B, 950C	3	10.5	12	15951-6551-2	PS201
		Z600C	2	10.5	12	15951-6551-2	PS201

MARINE

		OMH1700	4	10.5	12	15221-6551-3	PS204
		OMH2600	6	10.5	12	15221-6551-3	PS204

UNIVERSAL

		OC52, 62, 80, 95	1	11	12	16241-6551-1 16261-6551-1	PS207
		D905, 1005, 1105	3	11	12	16241-6551-1 16261-6551-1	PS207
		V1205/-T,V1305,1405,1505	4	11	12	16241-6551-1 16261-6551-1	PS207
		E75-NB2, EA300-NB1	1	10.5	12	15951-6551-2	PS201
		ZB400B	2	10.5	12	15951-6551-2	PS201
		DH850-B	3	10.5	12	15951-6551-2	PS201
		ER1200-NB, 1400-NB	1	10.5	12	15521-6551-2	PS202
		ZB14-NB,16-NB,18-NB,20-NB	2	10.5	12	15521-6551-2	PS202
		D11022-BC,DH1302-BBS,D1402-BC	3	10.5	12	15521-6551-2	PS202
		V1502-B, BC, V1702-BB, BBS, BC	4	10.5	12	15521-6551-2	PS202
		Z482	2	11	12	16851-6551-0/-2	PS206
		D662, 722	3	11	12	16851-6551-0/-2	PS206

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PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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MITSUBISHI HEAVY IND. (MHI)

FORKLIFT

FD28, FD35A	S4S	4	10.5	12	MM409510	PM79
FD150	6DB1	6	20.5	24	ME020911 30866-04709 30866-04105	PM71
FD150T	6D11	6	21.0	24	ME037002	PM66

UNIVERSAL

	K2AS, K2C, KE70, 75	2	10.5	12	MM409510	PM79
	K3	3	10.5	12	MM409510	PM79
	K4, KE150	4	10.5	12	MM409510	PM79
	KE31	4	10.5	12		PM64
	KE65	6	21.0	24		PM67
2 CYL	(K2AS, K2C, KE70/75 eng)	2	20.5		ME017010 ME017013	PM73
3 CYL	(K3 eng)	3	20.5		ME017010 ME017013	PM73
4 CYL	(K4, KE150 eng)	4	20.5		ME017010 ME017013	PM73

NISSAN

NISSAN FORKLIFT

NSF01(M) 10,14,15,18	SD15	3	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	PN86
SF01A(M) 10,14,15,18						
NSF02A(M) 20T, 25T	SD15T	3	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	PN86
EF02A(M) 20, 25, 30	SD25	4	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	PN86
NVH01A(M)10,14,15,18	SD15	3	10.5	12	11065-T8200 11065-T8202	PN128
VH01A(M)10,14,15,18						
NVH02(M) 20, 23, 25	SD15T	3	10.5	12	11065-T8200 11065-T8202	PN128
FD104, 105, QF1A(M) 10,14, 15, 18	-1980	SD22	4	10.5	11065-37506 11065-37507	PN81
QF02A(M) 20, 25, 30						
FD104, 105, QF1A(M) 10,14, 15, 18	1981-	SD22	4	9.5	11065-Y1402 11065-Y1403 11065-Y1404	PN86
QF02A(M) 20, 25, 30						
EF02A(M) 20, 25, 30	SD25	4	9.5	12	11065-Y1402 11065-Y1403 11065-Y1404	PN86
		4	10.5	12	11065-T8200 11065-T8202	PN128

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E and OE.

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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NISSAN Cont...**NISSAN FORKLIFT Cont..**

EH01A(M) 10,14,15,18		SD25	4	10.5	12	11065-T8200 11065-T8202	PN128
EH02A(M,F) 20, 23, 25			4	23.0	24	11065-T8201 11065-T8203	PN124
EGH02A(M,F) 28, 32							
FD005, 006, 007		SD33T	6	20.5	24	11065-T3400 11065-T3401	PN88**
YGF03M40T			6	23.0	24	11065-T8201 11065-T8203	PN124
F03 SERIES 3.5 4.0T		SD33	6	24.0	24	11065-C8600	PN131*
F05 SERIES 5.0 6.0T		SD33T	6	23.0	24	11065-T8201 11065-T8203	PN124
F05 SERIES 5.0 6.0T		TD42	6	24.0	24	11065-10T01	PN136

UNIVERSAL

	SD15, 16	3	10.5	12	11065-37506 11065-37507	PN81
	SD22, 25	4	10.5	12	11065-37506 11065-37507	PN81
	SD33	6	10.5	12	11065-37506 11065-37507	PN81
	SD16	3	11.0	12	11065-31W00 11065-31W01	PN87
	SD22, 25	4	11.0	12	11065-31W00 11065-31W01	PN87

NISSAN INDUSTRIAL ENGINES

ENGINES SD15, 16	(3 cyl)	3	10.5	12	11065-37506	PN81
ENGINES SD16	(3 cyl)	3	11	12	11065-31W00	PN87
ENGINES SD22, SD25, SD33	(4, 6 cyl)	4	10.5	12	11065-37506	PN81
	Some (4 cyl)	4	11	12	11065-31W00	PN87

YANMAR**MARINE**

	4JM-TZ/TZ-A/AM, 4JMZ	4	10.5	12	15951-6551-2	PS201
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GENERATOR

	3TN63L-USW,3TN66L-UDW	3	10.5	12	15951-6551-2	PS201
	3TN66E-UGB2/UK					
	3TNA68L-USW/USW3	3	10.5	12	15951-6551-2	PS201
	3TNA68L-USWD/USW2					
	3TN66L-UGH/UGCD		10.0	12	129155-77801	PS210

CONSTRUCTION MACHINERY

	3TNA68L-U, 3TNA72L-U	4	10.5	12	15951-6551-2	PS201
	3TN63L-U,3TN66L-U, 3TN72E					
B-08, B-12, B-17 Vio15, Vio20	3TNA72L-UBA/UBB, 3TN66L-UB 3TNE68L-UBA/UBB	3	10.0	12	129155-77801	PS210
B2X-1	3TNA72L-U2BX	3	10.5	12	15951-6551-2	PS201
V1-1	3TN66L-UKB	3	10.0	12	129155-77801	PS210

PARTECH GLOW PLUGS

Vehicle Make and Model	Year of manufacture	Engine type	Cylinder number	Plug Voltage	Battery Voltage	Original equipment number	Replacement number
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Original equipment numbers are given as an aid to the selection of the correct Partech glow plug number for each vehicle listed. To ensure correct application of glow plug, check original equipment number matches vehicle application! Also ensure that the voltage of the glow plug is correct with the vehicle manufacturers recommendations!

YANMAR Cont...

TRACTOR

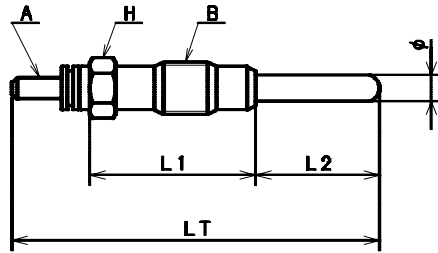
Ke-2, Ke-3 Ke-2A, Ke-3A, Ke-4A, AF15,16,17,18,FX16,17,18,22, F5, 6, 7,13,14,15,16,17(D), F17,18,20,22,		3TNA68-UNK,3TN66-U/UNK 3TN68-UNK, 3TN72-UNK,3TNA72UN 3TNA72-UIA, 3TNE74-UIA,3TNA75UN	3	10.0	12	129155-77801	PS210
F17, 18, 20, 22, 24(D), FX16,17,18,20,22,24(D)		3TN75-UA, UB, 3TN80-U,82-U,84-UA	3	10.0	12	129155-77801	PS210
FF205, 225, 245, F(X)195,215, 235(D)		3TNB80U, 82U	3	10.0	12	129155-77801	PS210
FX26, 28, 32, 42(D)		4TN78-UM, UP, UQ	4	10.0	12	129155-77801	PS210

COMBINE

CA15		3TNA68U	3	10.0	12	129155-77801	PS210
CA15G, 17G, 17DT, 19G, 19DT, 21G,21DT		3TNA68U-C,72-UBC, 75-RAC	3	10.0	12	129155-77801	PS210
CA125, 140, 160,180,190		3TN63-U1C, 3TN66-U1C, 68-U1C	3	10.0	12	129155-77801	PS210
CA11R, 15G, 17DG CA19DG, 21DG 185(P) (GP) (H) (GH),200(H) (GH)		3TN63U-NC, 3TN68U-C 3TNA72-UBC, 3TNA72-UAC 3TN75-RAC,3TNA72-BC,3TNA72U	3	10.0	12	129155-77801	PS210

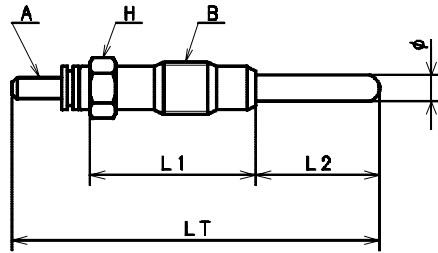
(* Behind part number means not available at time of printing.
 Original equipment numbers and vehicle names are used for reference purposes only
 E and OE.

GLOW PLUG DIMENSION LIST



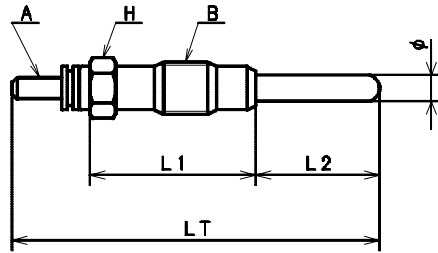
Part Number	L1	L2	LT	A	H	B	φ	voltage
B-024	34.0	32.0	81.0	M5	17	14×1.25	6.1	9.5
B-025	52.5	30.0	97.0	M5	14	14×2	6.1	9.5
B-026	34.0	28.0	77.0	M5	17	14×1.25	6.1	8
B-027	42.0	24.0	82.0	M5	17	14×1.25	6.1	9.5
B-029	47.5	25.0	92.0	M5	21	18×1.5	6.1	10.5
B-030	32.0	24.0	71.0	M5	12	12×1.25	6.1	11
B-031	34.0	28.0	77.0	M5	14	14.1×1.25	6.1	11
B-033	32.0	24.0	71.0	M5	12	12×1.25	6.1	11
B-034	32.0	32.0	79.0	M5	12	12×1.25	6.1	11
B-036	32.0	24.0	71.0	M5	12	12×1.25	6.1	11
B-040	32.0	24.0	71.0	M5	12	12×1.25	6.1	11
B-043	26.0	20.0	59.0	M5	12	12×1.25	6.1	11
B-044	32.0	24.0	71.0	M5	12	12×1.25	6.1	11.5
B-047	34.0	32.0	82.0	M5	17	14×1.25	6.1	22.5
B-048	32.0	29.0	74.0	M5	12	12×1.25	6.1	11
B-049	32.0	29.0	74.0	M5	12	12×1.25	6.1	11
B-051	26.0	24.0	65.0	M5	12	12×1.25	6.1	11
B-052	32.0	24.0	71.0	M5	12	12×1.25	6.1	11
B-053	32.0	20.0	68.0	M5	12	12×1.25	6.1	11.5
B-054	37.3	24.7	75.0	M5	21	18×1.5	6.1	9
B-055	48.5	28.0	98.0	M4	15.9	10×1.0	3.2	12
B-062	56.5	15.5	92.0	M5	19	18×1.5	6.1	18
B-063	42.5	16.0	77.0	M5	21	18×1.5	6.1	18
B-064	32.0	20.0	68.0	M4	12	12×1.25	5	11
B-067	37.0	27.0	86.5	φ4	12	12×1.25	5	11.5
B-072	32	20.0	68.0	M4	12	12×1.25	5	11.5
B-074	83.0	26.0	125.0	M4	10	10×1.0	5	11.5
B-076	29	25.0	68.0	M5	12	12×1.25	6.1	11
B-077	46.0	24.0	91.5	φ4	10	10×1.0	5	11
B-078	32.0	22.5	69.0	M5	12	12×1.25	6.1	11.5
B-080	26.0	20.0	59.0	M5	12	12×1.25	6.1	11
B-081	32.0	24.0	71.0	M5	12	12×1.25	6.1	11
B-082	67.0	27.0	116.6	φ4	12	12×1.25	6.1	11.5
B-083	27.0	25.0	68.0	M4	12	12×1.25	5	11
B-084	32.0	24.0	71.0	M4	12	12×1.25	5	11
B-085	46.0	24.0	83.0	M4	10	10×1.0	5	11
B-086	46.0	29.0	97.0	φ4	10	10×1.0	5	11
B-087	46.0	29.0	89.0	M4	10	10×1.0	5	11
B-088	29.0	17.5	62.0	M5	12	12×1.25	6.1	10
B-089	63.0	26.5	107.0	M4	10	10×1.0	5	11
B-090	32.0	20.0	65.0	M5	12	12×1.25	6.1	11

GLOW PLUG DIMENSION LIST



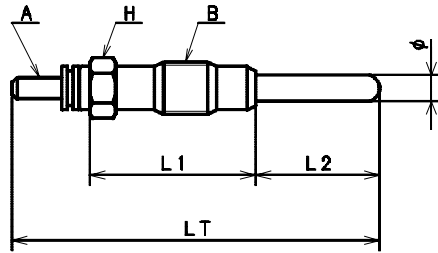
Part Number	L1	L2	LT	A	H	B	φ	voltage
B-092	26.0	19.5	73.5	φ4	12	12×1.25	6.1	11
B-093	27.0	24.0	67.0	M5	12	12×1.25	6.1	11
B-094	53.0	24.0	95.0	M4	10	10×1.0	5	11
B-095	67.0	27.0	121.2	φ5	12	12×1.25	6.1	11.5
B-096	43.0	24.0	83.0	M4	10	10×1.0	5	11
B-097	38.0	24.0	75.0	M4	10	10×1.0	5	11
B-098	77.0	28.0	131.5	φ4	10	10×1.0	5	11
B-099	80.0	28.0	130.5	φ4	10	10×1.0	5	11.5
B-100	81.0	28.0	126.0	M4	10	10×1.0	5	11
B-101	95.0	35.0	1047.0	M4	10	10×1.0	5	11.5
B-102	53.0	24.0	98.5	M4	10	10×1.0	5	11
B-103	44	24.0	89.5	M4	10	10×1.0	5	11
B-104	46.0	32.0	104.5	φ4	10	10×1.0	5	11
B-105	54.5	24.5	96.0	M4	10	10×1.0	5	10
B-107	77.0	30.5	134.0	φ4	10	10×1.0	5	11
B-108	56.5	24.0	95.0	M4	10	10×1.0	5	11
B-109	57.0	24.0	102.5	φ4	10	10×1.0	5	11
B-110	60.0	29.5	111.5	M4	14.5	10×1.0	5	11
B-114	59.0	39.5	121.0	φ4	10	10×1.0	5	11.5
B-118	61.0	24.0	106.5	φ4	10	10×1.0	5	11
B-120	105.0	31.0	153.5	M4	12	10×1.25	4	11
B-121	106.0	24.0	152.0	M4	10	10.0	4	11
B-122	70.0	27.5	119.0	M4	8	7.5	4	11
B-123	75.0	27.0	124.0	M4	7.5	7.8	4	11
B-124	48.0	27.5	97.5	M4	7.5	7.5	4	11
B-126	83.0	30.0	133.5	M4	12	10.0	4	11
B-127	83.5	25.0	130.0	4	10	10.0	4	11
B-131	75.0	27.0	119.0	4	10	10.0	5	11
CP-01	47.0	18.5	83.0	M4	12	10×1.25	5	11
CP-02	62.0	18.5	95.0	M4	12	10×1.25	5	11
CP-03	52.0	15.5	81.5	M4	12	10×1.25	5	11
CP-04	47.0	21.0	85.0	M4	12	10×1.25	5	11
CP-05	47.0	21.5	89.0	M4	12	10×1.25	5	11
CP-06	54.0	20.0	94.0	M4	12	10×1.25	5	6.2
CP-07	47.0	17.5	85.0	M4	12	10×1.25	5	11
CP-20	55.5	28.0	104.0	M4	12	10×1.25	5	11
CP-22	58.5	25.0	104.0	M4	12	10×1.25	5	11
CP-50	53.0	17.5	89.0	M4	12	10×1.25	5	11
CP-51	93.0	23.5	143.0	φ4	12	10×1.25	5	11
CP-60	58.5	22.0	101.0	M4	12	10×1.25	5	11
CP-70	47.0	21.5	84.0	M4	12	10×1.25	5	6.5

GLOW PLUG DIMENSION LIST



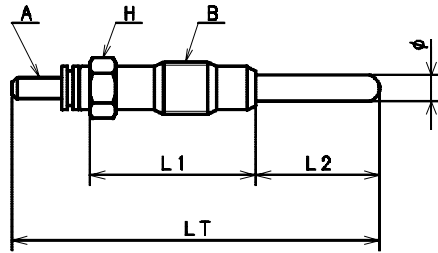
Part Number	L1	L2	LT	A	H	B	φ	voltage
CP-71	45.0	21.5	90.0	M4	12	10×1.25	5	6.5
CP-72	140.5	21.0	180.0	M4	12	10×1.25	5	11
CP-73	175.5	23.0	213.0	M4	12	10×1.25	5	11
PA-301	33.6	27.0	78.0		9.5	10×1.0	5	11
PA-302	33.6	27.0	79.5		9.5	10×1.0	5	6
PA-303	27.6	29.0	77.0		9.5	10×1.0	5	6
PA-304	33.6	27.0	79.0		9.5	10×1.0	5	11.5
PA-305	33.6	26.8	81.4	φ4	9.5	10×1.0	5	5
PA-306	27.6	29.0	77.0		9.5	10×1.0	5	10.5
PA-308	34.4	28.5	75.1	φ4	9.5	10×1.0	5	23
PD-190	53.0	28.0	101.0	M4	12	10×1.25	5	7
PD-191	53.0	28.0	101.0	M4	12	10×1.25	5	11
PD-192	53.0	28.0	101.0	M4	12	10×1.25	5	11
PD-95	40.0	33.0	93.0	M4	12	10×1.25	5	8
PD-99	50.0	25.0	95.0	M4	12	10×1.25	5	8
PH-20	41.0	25.0	86.0	M4	12	10×1.25	5	22.5
PH-21	41.0	25.0	85.0	M4	12	10×1.25	5	19
PH-22	94.0	24.0	141.0	M4	12	12×1.25	5	23
PH-25	94.0	24.0	141.0	M4	12	12×1.25	5	10.5
PH-26	108.0	28.0	160.0	M4	12	12×1.25	5	23
PI-170	94.0	24.0	141.0	M4	12	12×1.25	5	11
PI-171	32.0	22.0	69.0	M5	12	12×1.25	6.1	11.5
PI-172	103.5	23.5	145.0	M4	12	10×1.25	5	11
PI-173	98.0	36.0	151.5	M4	12	10×1.25	5	23
PI-175	98.0	36.0	151.5	M4	12	10×1.25	3.5	11
PI-176	96.0	24.0	141.0	M4	12	12×1.25	12	11
PI-40	50.0	20.0	91.0	M5	19	18×1.5	6	22.5
PI-41	45.0	20.0	85.0	M4	19	10×1.25	5	10.5
PI-42	47.0	24.0	89.0	M4	12	10×1.25	5	10.5
PI-43	47.0	24.0	89.0	M4	12	10×1.25	5	20.5
PI-44	94.0	24.0	138.0	M4	12	12×1.25	5	20.5
PI-45	47.0	24.0	89.0	M4	12	10×1.25	5	9
PI-46	47.0	24.0	89.0	M4	12	10×1.25	5	5
PI-47	52.0	24.0	95.0	M4	12	10×1.25	5	9.5
PI-48	53.0	24.0	95.0	M4	12	10×1.25	5	9.5
PI-49	94.0	24.0	141.0	M4	12	12×1.25	5	11
PI-50	94.0	24.0	141.0	M4	12	12×1.25	5	23
PI-51	47.0	18.0	83.0	M4	12	10×1.25	5	5
PI-52	53.0	24.0	95.0	M4	12	10×1.25	5	23
PI-53	53.0	24.0	95.0	M4	12	10×1.25	5	20.5
PI-54	52.0	24.0	95.0	M4	12	10×1.25	5	20.5

GLOW PLUG DIMENSION LIST



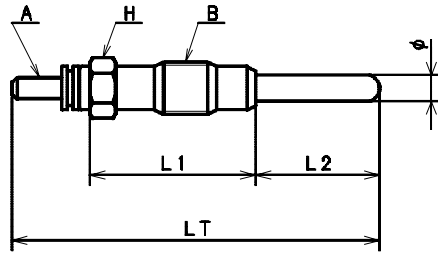
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PI-55	47.0	24.0	89.0	M4	12	10×1.25	5	5
PI-56	94.0	24.0	141.0	M4	12	12×1.25	5	10.5
PI-57	47.0	17.0	84.0	M4	12	10×1.25	5	11
PI-58	47.0	24.0	89.0	M4	12	10×1.25	5	11
PI-59	47.0	17.0	84.0	M4	12	10×1.25	5	11
PK-111	50.5	22.5	85.0	φ2.3	8	3/8-24UNF	6	24
PK-112	82.0	23.0	117.5	φ6.5	9.5	3/8-24UNF	6	12
PK-115	53.0	28.0	101.0	M4	12	10×1.25	5	20.5
PK-116	55.0	23.0	96.5	M4	12	10×1.25	5	22.5
PK-117	50.5	22.5	85.0	φ2.3	8	3/8-24UNF	6	12
PK-96	55.0	25.0	100.0	M4	12	10×1.25	5	22.5
PK-98	82.0	23.0	117.5	φ6.5	9.5	3/8-24UNF	6	24
PM-160	57.5	19.5	97.0	M4	12	12×1.25	5	24
PM-161	52.0	22.0	95.0	M4	12	10×1.25	5	6
PM-162	45.0	22.5	87.0	M4	12	12×1.25	5	11
PM-163	85.0	25.0	131.0	M4	12	10×1.25	5	23
PM-164	45.0	20.0	84.0	M4	12	10×1.25	5	11
PM-165	47.0	20.5	88.0	M4	12	10×1.25	4.3	11
PM-166	54.0	22.0	97.0	M4	12	10×1.25	5.0	11
PM-167	47.0	17.5	85.0	M4	12	10×1.25	5	11
PM-168	114.5	35.0	170.0	M4	12	10×1.25	5	11
PM-401	114.5	35.0	171.5	M4	12	10×1.25	3.5	23
PM-402	118.5	31.0	170.0	M4		10×1.25	3.5	11
PM-60	49.0	23.0	89.0	M4	12	10×1.25	5	22.5
PM-61	85.0	30.0	138.0	M4	12	10×1.25	5	22.5
PM-62	34.0	18.0	70.0	M4	12	10×1.25	5	10.5
PM-63	41.0	20.2	80.0	M4	12	12×1.25	5	10.5
PM-65	41.0	20.5	80.0	M4	12	12×1.25	5	22.5
PM-66	56.0	23.0	99.0	M4	12	10×1.25	5	21
PM-70	42.0	23.5	83.5	M4	12	10×1.25	5	22.5
PM-71	49.0	23.0	92.0	M4	12	10×1.25	5	20.5
PM-72	50.0	20.5	88.5	M4	12	10×1.25	5	22.5
PM-73	57.5	20.0	97.0	M4	12	12×1.25	5	20.5
PM-74	41.0	20.2	80.0	M4	12	12×1.25	5	20.5
PM-75	52.0	22.0	95.0	M4	12	10×1.25	5	12
PM-77	41.0	22.5	83.0	M4	12	12×1.25	5	11
PM-78	57.5	20.0	97.0	M4	12	12×1.25	5	23
PM-79	45.0	22.0	83.5	M4	12	10×1.25	5	10.5
PN-86								
PN-87								
PN-120	39.0	19.0	75.0	M4	12	10×1.25	5.1	23

GLOW PLUG DIMENSION LIST



Part Number	L1	L2	LT	A	H	B	φ	voltage
PN-121	26.0	20.0	61.0	M5	12	12×1.25	6	6.5
PN-122	55.0	21.0	94.0	M4	14	12×1.25	5	9.5
PN-123	33.5	19.0	70.0	M4	12	10×1.25	5	11
PN-124	33.5	19.0	70.0	M4	12	10×1.25	5	23
PN-125	55.0	21.0	94.0	M4	14	12×1.25	5	23
PN-126	47.5	25.0	91.0	M4	12	10×1.0	5	6.5
PN-127	47.5	25.0	92.0	M4	12	10×1.0	5	8.5
PN-128	33.5	19.0	70.0	M4	12	10×1.25	5	10.5
PN-129	26.0	20.0	61.0	M5	12	12×1.25	6	8.5
PN-130	55.0	21.0	94.0	M4	14	12×1.25	5	23
PN-131	33.5	17.0	67.0	M4	12	10×1.25	5	24
PN-132	33.5	17.0	67.0	M4	12	10×1.25	5	11
PN-133	47.0	25.0	91.0	M4	12	10×1.25	5	8.5
PN-134	47.0	25.0	91.0	M4	12	10×1.25	5	6.5
PN-135	50.0	22.0	88.0	M4	12	10×1.25	5	11
PN-136	50.0	22.0	87.0	M4	12	10×1.25	5	24
PN-137	55.0	21.5	94.0	M4	14	12×1.25	5	24
PN-138	50.0	19.0	84.0	M4	12	10×1.25	5	11
PN-139	49.0	19.0	81.5	M4	12	10×1.25	5	11
PN-81	33.5	17.0	68.0	M4	12	10×1.25	5	10.5
PN-82	55.0	21.0	94.0	M4	14	12×1.25	5	19
PN-84	55.0	21.0	94.0	M4	14	12×1.25	5	10
PN-85	33.5	17.0	68.0	M4	12	10×1.25	5	9
PN-86	33.5	19.0	70.0	M4	12	10×1.25	5	9.5
PN-87	33.5	19.0	70.0	M4	12	10×1.25	5	11
PN-88	39.0	19.0	76.0	M4	12	10×1.25	5	20.5
PN-89	26.0	20.0	59.0	M5	12	12×1.25	6	11
PS-201	33.5	17.0	70.0	M4	12	10×1.25	5	10.5
PS-202	39.0	16.0	75.0	M4	12	10×1.25	5	10.5
PS-203	45.0	22.0	85.0	M4	12	10×1.25	5	10.5
PS-204	37.5	16.0	75.0	M4	12	10×1.25	5	10.5
PS-205	45.0	22.0	84.0	M4	12	10×1.25	5	12
PS-206	34.0	19.5	69.0	M4	10	8×1.0	4.4	11
PS-207	33.5	24.5	80.0	M4	12	10×1.25	5	11
PS-208	34.5	30.0	85.0	M4	12	10×1.25	5	11
PS-209	83.0	19.0	124.0	M4	12	10×1.25	5	10.5
PS-210	34.5	17.0	68.0	M4	12	10×1.25	4.4	10
PS-211	33.5	17.0	71.0	M4	12	10×1.25	5	11
PS-215	34.5	30.0	85.0	M4	12	10×1.25	5	23
PS-216	36.0	24.3	76.5	M4	12	10×1.25	5	10.5
PS-217	45.0	23.0	84.5	M4	12	10×1.25	5	22

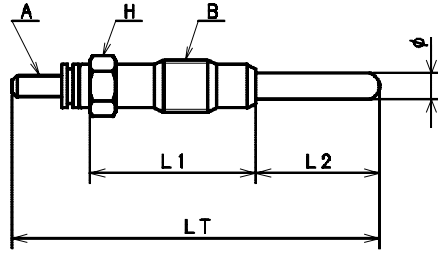
GLOW PLUG DIMENSION LIST



Part Number	L1	L2	LT	A	H	B	φ	voltage
PS-218	111.0	25.0	158.0	M4	14	12×1.25	5	10.5
PT-100	53.0	28.0	101.0	M4	12	10×1.25	5	8.5
PT-101	53.0	28.0	101.0	M4	12	10×1.25	5	20.5
PT-102	53.0	22.0	96.0	M5	12	10×1.25	5	21
PT-103	43.5	31.5	95.0	M4	12	10×1.25	5	11
PT-104	53.0	28.0	101.0	M4	12	10×1.25	5	8.5
PT-105	43.5	31.5	95.0	M4	12	10×1.25	5	23
PT-106	40.0	32.0	91.5	M4	12	10×1.25	5	11
PT-107	53.0	28.0	101.0	M4	12	10×1.25	5	7
PT-108	53.0	28.0	101.0	M4	12	10×1.25	5	23
PT-109	53.0	28.0	101.0	M4	12	10×1.25	5	20.5
PT-140	43.5	31.5	95.0	M4	12	10×1.25	5	7
PT-141	53.0	28.0	101.0	M4	12	10×1.25	5	14
PT-142	43.5	32.0	95.0	M4	12	10×1.25	5	16
PT-144	43.5	31.5	96.0	M4	12	10×1.25	5	11
PT-145	53.0	28.0	101.0	M4	12	10×1.25	5	10.5
PT-146	53.0	28.0	96.0	M4	12	10×1.25	5	6
PT-147	43.5	31.5	95.0	M4	12	10×1.25	5	6
PT-148	94.0	24.0	141.0	M4	12	12×1.25	5	14
PT-149	40.0	32.0	91.5	M4	12	10×1.25	5	23
PT-150	53.0	28.0	101.0	M4	12	10×1.25	5	11
PT-151	43.5	32.0	95.0	M4	12	10×1.25	5	11
PT-152	53.0	27.0	96.0	M4	12	10×1.25	5	11
PT-153	53.0	28.0	101.0	M4	12	10×1.25	5	23
PT-154	53.0	28.0	101.0	M4	12	10×1.25	5	11
PT-155	43.5	32.0	97.0	M4	12	10×1.25	5	11
PT-156	43.5	30.5	95.0	M4	12	10×1.25	5	11
PT-157	111.5	37.0	170.0	M4	12	10×1.25	5	11
PT-158	53.0	28.0	101.5	M4	12	10×1.25	5	11
PT-90	49.0	20.0	91.0	M4	17	14×1.25	5	8
PT-91	49.0	20.0	91.0	M4	17	14×1.25	5	19
PT-92	37.5	21.0	78.5	M5	26	18×1.5	5	19
PT-93	53.0	27.0	101.0	M4	12	10×1.25	5	8
PT-94	53.0	27.0	101.0	M4	12	10×1.25	5	19
PZ-30	45.0	22.0	86.0	M4	12	10×1.25	5	12
PZ-31	45.0	22.0	86.0	M4	12	10×1.25	5	23
PZ-32	45.0	22.0	86.0	M4	12	10×1.25	5	24
PZ-33	45.0	22.0	86.0	M4	12	10×1.25	5	10.5
PZ-34	49.0	20.0	89.0	M4	12	10×1.25	5	10.5
PZ-35	45.0	22.0	86.0	M4	12	10×1.25	5	12
PZ-36	47.0	17.5	84.0	M4	12	10×1.25	5	11

Part numbers and vehicle names are used for reference purposes only
 Eand OE.

GLOW PLUG DIMENSION LIST



Part Number	L1	L2	LT	A	H	B	φ	voltage
PZ-37	45.0	22.0	84.0	M4	12	10×1.25	5	12
PZ-38	45.0	22.0	84.0	M4	12	10×1.25	5	11
PZ-39	47.0	22.5	85.0	M4	12	10×1.25	5	11
PZ-701	47.0	19.0	82.0	M4	12	10×1.25	5	24
PZ-702	50.0	22.0	93.0	M4	12	10×1.25	5	11
PZ-703	29.0	17.5	62.0	M5	12	12×1.25	6.1	11.5
PZ-704	70.0	30.0	120.0	M4	12	10×1.25	5	11
PZ-710	108.5	29.5	160.0	M4	12	10x1.25	5	11

CROSS REFERENCE LIST

QT = QUICK TYPE, SQT = SUPER QUICK TYPE, QGS = QUICK GLOW SYSTEM

HKT	BOSCH	NGK	O-E	CHAMPION	PLUG VOLT	TYPE
B-004		DG237		CH61	0.9'	
B-006				CH45	1.7'	
B-021		Y811		CH44	10.5'	
B-024					9.5'	
B-025		Y404			9.5'	
B-026		Y403			8.0'	
B-029		Y810			10.5'	
B-031		Y403T		CH66	11.0'	
B-047					22.5'	
B-049		Y909R		CH69	11.0'	
B-053		Y907R		CH79	11.0'	
B-054					9.0'	
B-055		Y302		CH32	12.0'	
B-057						
B-058			DS050 (LUCAS)	CH50	11.0'	
B-062						
B-063						
B-066						
B-067		Y929U			11.0'	
B-074		Y729U		CH178	11.5'	
B-076		Y913M			11.0'	
B-077		Y732U		CH184	11.0'	
B-078		Y916R			11.5'	
B-080		Y918R			11.0'	
B-081		Y902R	7701414107	CH156	11.0'	
B-082		Y925R		CH177	11.5'	
B-083		Y927R			11.0'	
B-084		Y928U			11.0'	
B-085		Y730U	12291-P5T-G00		11.0'	
B-086		Y741U			11.0'	
B-087		Y503R		CH185	11.0'	
B-088		Y937R			10.0'	
B-089		Y504R			11.0'	
B-090					11.0'	
B-091						
B-092					12.0'	
B-093					11.0'	
B-095		Y930U			11.5'	
B-096		Y740U			11.0'	
B-097		Y502R		CH216	11.0'	
B-098			1214457			
B-099			A0011594901	CH218	11.5'	
B-100			1214322			
B-101			1096527			
B-102			7700100635			
B-103			7700111323	CH184		
B-105						
B-106		YE04	1148105			
B-107			1079401			
B-108						
B-109						
B-110					11.0'	
B-111						
B-114						

CROSS REFERENCE LIST

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HKT	BOSCH	NGK	O-E	CHAMPION	PLUG VOLT	TYPE
B-118			ERR6066			
B-120			36710-4A000			
CP-01	GPN-330	CY51	11065-G5501		11.0'	SQT
CP-02	GPN-332	CY52	11065-57J00		11.0'	SQT
CP-03	GPN-342	CY58	11065-0W801		11.0'	SQT
CP-04	GPN341		11065-4P400		11.0'	SQT
CP-05	GPF-119	CY55	ME201638		11.0'	SQT
CP-06	GPF-133		MD092392		6.2'	SQT
CP-07	GPF-117	CY57	36710-42500		11.0'	SQT
CP-20	GPT-235		19850-54110		11.0'	SQT
CP-22	GPT-225		19850-67020		11.0'	SQT
CP-23			19850-26020			
CP-50	GPM514	CY03	8-97080554-0		11.0'	SQT
CP-51		CZ22	8-97210818-2		11.0'	
CP-52		CZ24	7701052949			
CP-60	GPM-515		RF1M-18-601		11.0'	SQT
CP-70		CZ51	11065-V7203		6.5'	QT
CP-71		CX51	11065-V7202		6.5'	
CP-72			11065-AD200		11.0'	
CP-7		CZ71	11065-2W202		11.0'	
PA-301			AC7G	CH78	11.0'	
PA-302			AC8G	CH80	6.0'	
PA-303			AC9G	CH77	6.0'	
PA-304			AC12G		11.5'	
PA-305			AC13G	CH84	0.5'	
PA-306			AC11G		10.5'	
PD-95	GPD902		992-5113-2381-9		8.0'	
PD-99	GPD901	Y108	19850-87303	CH106	8.0'	
PD-190	GPD903	Y146R	19850-87701	CH95	7.0'	QGS
PD-191	GPD904	Y703R	19850-87702		11.0'	SQT
PD-192	GPD906		19850-87703		11.0'	SQT
PH-10		DG241	6051-330601			
PH-11	GPH403					
PH-20	GPH401	Y173	19110-1050		22.5'	
PH-21	GPH402	Y176	19110-1040	CH107	19.0'	
PH-22	GPH407		19110-1140		23.0'	
PH-23	GPH406		19110-1081		14.0'	QGS
PH-25	GPH408		19110-1160		10.5'	QT
PH-26	GPH409		19110-1220		23.0'	SQT
PI-40	GPI001	Y874-1	9-82511994-0		22.5'	
PI-41	GPI002	Y808-1	9-82511977-0		10.5'	
PI-42	GPI003	Y104R	9-82511978-0	CH135	10.5'	
PI-43	GPI007	Y154	9-82513959-0	CH108	20.5'	
PI-44	GPI008	Y271-2	9-82513928-8	CH109	20.5'	
PI-45	GPI017		5-81410040-0	CH126	9.0'	
PI-46	GPI005	Y104R	8-94221719-3	CH110	5.0'	QGS
PI-47	GPI006	Y154R	5-81410055-2		9.5'	QGS
PI-48	GPI009	Y154RS	5-81410056-3	CH111	9.5'	QGS
PI-49	GPI010	Y904M	8-94175158-0	CH306	11.0'	SQT
PI-50	GPI021	Y954M	8-94135377-3		23.0'	SQT
PI-51	GPI011	Y711R	8-94402303-1	CH188	5.0'	QGS
PI-52	GPI012		8-94172223-0		23.0'	SQT
PI-53	GPI018		5-81410044-0		20.5'	QT
PI-54	GPI019		5-81410045-0	CH305	20.5'	QGS

CROSS REFERENCE LIST

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HKT	BOSCH	NGK	O-E	CHAMPION	PLUG VOLT	TYPE
PI-55	GPI015		8-94439218-0		5.0'	QGS
PI-56	GPI024		5-81410023-3		10.5'	
PI-57	GPI016	Y711RS	8-94481972-0	CH158	11.0'	SQT
PI-58	GPI013	Y710R	8-94319700-1	CH157	11.0'	SQT
PI-59	GPI014	Y719RS	8-94387612-1	CH310	11.0'	SQT
PI-170			8-94140115-2		11.0'	STD
PI-171			0 250 201 026		11.5'	SQT
PI-172	GPI026		8-97143674-1		11.0'	SQT
PI-173			8-94390777-4			
PI-175			8-97326046-0		11.0'	
PI-176			8-97306519-2			
PK-96	GPK911	Y174TS	6110-13-2511		22.5'	
PK-97	GPK912					
PK-98	GPC921	Y171	3S9624X		24.0'	
PK-111		Y159	4N-360		24.0'	
PK-112		Y109	IP-7912		12.0'	
PK-114			6008-15-4111		22.5'	
PK-115			6008-15-1340		20.5'	QT
PK-116		Y174S-1	6008-15-2320		22.5'	
PK-117			3T-8705		12.0'	
PM-60	GPF104	Y172	ME021302	CH112	22.5'	
PM-61	GPF101	Y175S-2	ME067459		22.5'	
PM-62	GPF106	Y102	30666-20309		10.5'	
PM-63	GPF102	Y201	ME007546	CH307	10.5'	
PM-64	GPF111	Y802-2	K417131-3		10.5'	
PM-65	GPM905	Y251	MM401625		22.5'	
PM-66	GPF110	Y180	ME037002	CH113	21.0'	
PM-67		Y876-2	K657134-2			
PM-68		Y852-2	K4171363			
PM-69		Y806(-2)	K417133-1			
PM-70	GPF107		3066-51300		22.5'	
PM-71	GPF105	Y172	ME020911		20.5'	
PM-72					22.5'	
PM-73	GPF103	Y274	ME017010	CH114	20.5'	
PM-74	GPM906		ME007547		20.5'	
PM-75	GPF112	Y115T-1	MD050212	CH94	12.0'	QT
PM-77	GPF116		ME007615		11.0'	SQT
PM-78	GPM907	Y971M	ME017057		23.0'	SQT
PM-79		Y114T	MM409510	CH144	10.5'	QT
PM-160	GPF121	Y274R	ME017009		24.0'	QGS
PM-161	GPF128	Y115R-1	MD014997	CH101	6.0'	QGS
PM-162	GPM900		ME001581		11.0'	SQT
PM-163	GPM901		ME007649		23.0'	SQT
PM-164	GPF118		MD301950		11.0'	SQT
PM-165	GPM902		ME203583		11.0'	
PM-166		Y722J	36710-42010		11.0'	
PM-167	GPM903	Y733J	MD197511		11.0'	
PM-168	GPM904		ME203539		11.0'	
PM-169			MN960270			
PM-401			ME191813			
PM-402			1820A-006T			
PN-78			11065-J5570			
PN-80	GPN301	Y803-1	11065-37501			
PN-81	GPN302	Y103	11065-37506	CH127	10.5'	

CROSS REFERENCE LIST

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HKT	BOSCH	NGK	O-E	CHAMPION	PLUG VOLT	TYPE
PN-82	GPN305	Y252	11065-Z5000	CH115	19.0'	
PN-83		Y805(-1)	11065-37503			
PN-84	GPN304	Y202	11065-J2000	CH303	10.0'	
PN-85	GPN310	Y103-1	11065-Y1400		9.5'	
PN-86	GPN332	Y103-2	11065-Y1402	CH116	9.5'	
PN-87	GPN306	Y112T	11065-31W00	CH136	11.0'	QT
PN-88	GPN336	Y177-1	11065-T3400		20.5'	
PN-89	GPN309	Y204TS-1	11065-V0700	CH60	11.0'	QT
PN-120	GPN308	Y181T	11065-T3470	CH117	23.0'	QT
PN-121	GPN316	Y204RS	11065-W2500	CH96	6.5'	QGS
PN-122	GPN340	Y202-2	11065-J5501		9.5'	
PN-123	GPN319	Y112M-1	11065-34W00	CH102	11.0'	QGS
PN-124	GPN317	Y162R-1	11065-T8201	CH128	23.0'	QGS
PN-125	GPN311	Y272R-1	11065-T9000		23.0'	QGS
PN-126	GPN315	Y117RS	11065-16A05	CH98	6.5'	QGS
PN-127	GPN314	Y117SS	11065-16A00	CH99	8.5'	QGS
PN-128	GPN318	Y112R-1	11065-T8200	CH129	10.5'	QGS
PN-129	GPN320	Y204SS	11065-W3400	CH105	8.5'	QGS
PN-130	GPN321	Y272T	11065-J6500		23.0'	QGS
PN-131	GPN324	Y755RS	11065-C8600	CH304	24.0'	SQT
PN-132	GPN322	Y705RS	11065-10G00	CH161	11.0'	SQT
PN-133	GPN323	Y144SS	11065-16A01		8.5'	QGS
PN-134	GPN325	Y144RS	11065-16A06		6.5'	QGS
PN-135	GPN327	Y707RS	11065-43G01	CH162	11.0'	SQT
PN-136	GPN328	Y757RS	11065-10T01		24.0'	SQT
PN-137	GPN326	Y955RS	11065-02T00		24.0'	SQT
PN-138	GPN338	Y712RS	11065-31N00	CH309	11.0'	SQT
PN-139			11065-7C000		11.0'	
PS-200		Y149	19215-6551-0			
PS-201		Y103V	15951-6551-2		10.5'	
PS-202		Y720U	15521-6551-2		10.5'	
PS-203		Y107V	18536-6060		10.5'	
PS-204		Y106-1	15221-6551-3		10.5'	
PS-205		Y701R	18536-6092		12.0'	SQT
PS-206		YE01	16851-6551-2		11.0'	SQT
PS-207		Y709R	16241-6551-1		11.0'	SQT
PS-208		Y716RS	19077-6551-0		11.0'	SQT
PS-209		Y119V	17331-6551-1		10.5'	QT
PS-210		Y702U	129155-77800		10.0'	SQT
PS-211					11.0'	
PS-215		Y766MS	185-6725		23.0'	SQT
PS-216		Y145T	MM432-14801		10.5'	QT
PS-217		Y182T-1	34466-31300		22.0'	QT
PS-218					10.5'	
PS-219		YA01	17529-6551-1			
PS-220			2666-A014			
PS-221			2666-A012			
PT-14	GPT211	DG211	04192-76011			
PT-90	GPT201	Y402-1	19850-46020	CH130	8.0'	
PT-91	GPT202	Y452-1	19850-46031	CH118	19.0'	
PT-92	GPT209		19850-76020		19.0'	
PT-93	GPT203	Y128	19850-56020	CH119	8.0'	
PT-94	GPT204	Y178	19850-56010	CH120	19.0'	
PT-100	GPT208	Y128T	19850-56021	CH121	8.5'	QT

CROSS REFERENCE LIST

QT = QUICK TYPE, SQT = SUPER QUICK TYPE, QGS = QUICK GLOW SYSTEM

HKT	BOSCH	NGK	O-E	CHAMPION	PLUG VOLT	TYPE
PT-101	GPT207	Y178T	19850-56012	CH122	20.5'	QT
PT-102	GPT206		19850-77010		21.0'	
PT-103	GPT205	Y118T	19850-54030	CH103	11.0'	QT
PT-104	GPT208	Y128T	19850-68030	CH121	8.5'	QT
PT-105	GPT210		19850-54040		23.0'	QT
PT-106	GPT226		19850-54010		11.0'	QT
PT-107	GPT212	Y146R	19850-64010	CH95	7.0'	QGS
PT-108	GPT213	Y197T	19850-68020	CH131	23.0'	QT
PT-109	GPT207	Y178T	19850-68040	CH122	20.5'	QT
PT-140	GPT216	Y118R	19850-54050	CH132	7.0'	QGS
PT-141	GPT217	Y197R	19850-68060	CH104	14.0'	QGS
PT-142	GPT219	Y168R	19850-54060	CH191	16.0'	QGS
PT-144	GPT215	Y118T-1	19850-54031	CH300	11.0'	QT
PT-145	GPT218	Y147T	19850-68010	CH133	10.5'	QT
PT-146	GPT214		19850-68050	CH125	6.0'	QGS
PT-147	GPT221	Y146R	19850-54070	CH301	6.0'	QGS
PT-148	GPT900		19850-78010		14.0'	QGS
PT-149	GPT227		19850-54020		23.0'	QT
PT-150	GPT222	Y703R	19850-64020	CH302	11.0'	SQT
PT-151	GPT223	Y715R	19850-54090	CH154	11.0'	SQT
PT-152	GPT220	YT02	19850-64031	CH153	11.0'	SQT
PT-153	GPT228		19850-58010		23.0'	SQT
PT-154	GPT233		19850-64050		11.0'	SQT
PT-155	GPT234		19850-54120		11.0'	SQT
PT-156			19850-54150		11.0'	
PT-157	GPT901		19850-27010		11.0'	
PT-158	GPT902		19850-17020		11.0'	
PT-159			19850-0W01			
PZ-30	GPM501	Y107T	1353-18-140A	CH134	12.0'	QT
PZ-31	GPM503	Y157R	SE01-18-140A	CH123	23.0'	QGS
PZ-32	GPM512		1354-18-140A	CH138	24.0'	QT
PZ-33	GPM502	Y107R	S501-18-140A	CH97	10.5'	QGS
PZ-34	GPM508	Y122	4869-18-140A	CH308	10.5'	
PZ-35	GPM504		S210-18-140A		12.0'	QGS
PZ-36	GPM506	Y721RS	VS01-18-601		11.0'	SQT
PZ-37	GPM511	Y701R	RFJ5-18-601		12.0'	SQT
PZ-38	GPM510		RFG1-18-601	CH311	11.0'	SQT
PZ-39	GPM513	Y701J	WL03-18-601		11.0'	SQT
PZ-701	GPM516	Y771R	SEM1-18-601		24.0'	SQT
PZ-702	GPM517		RFP1-18-601		11.0'	SQT
PZ-703			IE07-18-601		11.5'	
PZ-704			RF2A-18-601		11.0'	

B049	B053	B067	B074	B076	B077	B078	B080	B081
								
B082	B085	B086		B095	B099	B110	B118	B120
								

















CP01	CP02	CP03	CP04	CP05	CP06	CP07	CP72	CP73
								
CP22	CP60	CP70	CP71	PA-301	PA-302	PA-303		
								




PA-304	PA-305	PA-306	PD99	PD190	PD191	PH22	PH25	PH26
								
PH21	PI42	PI43	PI44	PI45	PI46			
								

PI48	PI49	PI50	PI58	PI59	PI170	PI172	PI175
							
PM60	PM66	PM71	PM73	PM75	PM161		
							

PM163	PM164	PM165	PM166	PM167	PM168	PN81	PN86
							
PN87	PN120	PN123	PN124	PN125		PN128	PN129
							

PN132	PN135	PN136	PN138	PS201	PS202	PS203	PS204
							
PS206	PS207	PS208	PS209	PS210	PS217	PT90	PT91
							

PT93	PT94	PT104	PT107	PT108	PT109	PT140	PT141
							
PT144	PT145	PT146	PT147	PT150	PT151	PT152	PT153
							

PT155	PT157	PT158	PZ30	PZ31	PZ33	PZ35	PZ36
							
PZ37		PZ38	PZ39	PZ701	PZ702		
							

Glow Plugs

Failure Analysis Guide

Probe shows light coloured areas and signs of corrosion



Cause
Leakage of coolant into combustion area from faulty cylinder head or gasket

Remedy
Replace cylinder head or gasket

Plug Body shows carbon



Cause
Insufficient torque or cylinder head or plus seat fault

Remedy
Investigate plug seat and cylinder head fitment

Plug showing ridge on probe



Cause
Excess fuel or oil entering combustion area.

Remedy
Check injection system and timing

Probe surface melting



Cause
Excessive temperature due to high oil consumption, pump timing or faulty control relay/timer.

Remedy
Investigate control relay/timer, injection

Plug Terminal snapped



Cause
Excess torque applied to terminal nut.

Remedy
Replace faulty plugs applying correct torque

Glow Plug Failure Analysis Guide

Swollen Tip



Cause

Moisture has caused plug to swell probably due to timer being on too long or incorrectly

Remedy

Investigate timer.

Do not store plugs in damp conditions

Carbon deposit filling gap at base of probe



Cause

Excess fuel, or oil getting past the valve stem or piston rings.

Remedy

Replace and repair where necessary

Cut off probe



Cause

Injector problem causing a fuel stream sprayed onto probe.

Remedy

Clean, replace or repair injectors

Probe Surface Melting



Cause

Excessive surface temperature due to an injection system fault.

Remedy

Check injection system and timing



2011



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