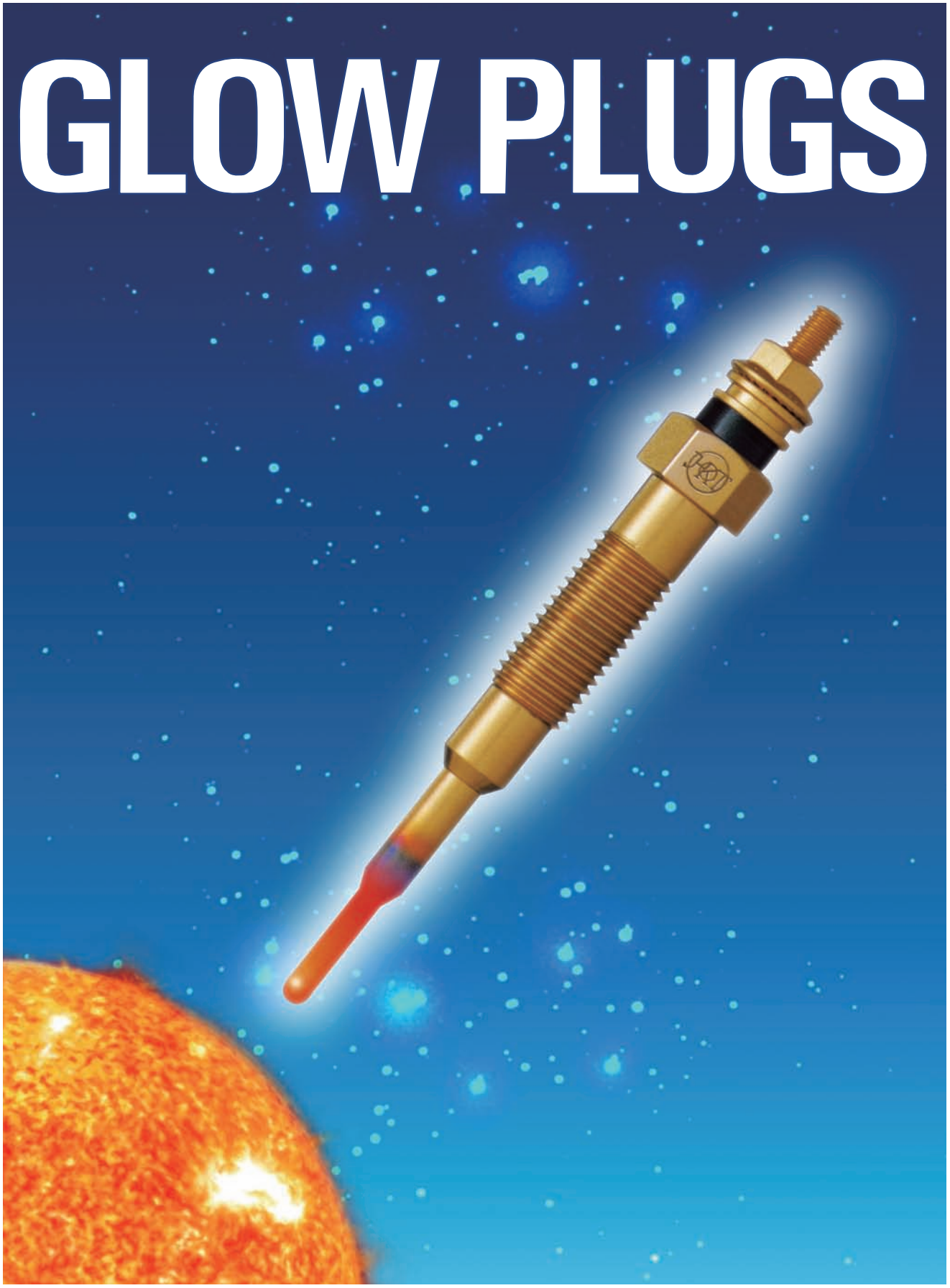
HKT

2010～2011
NEW EDITION

GLOW PLUGS



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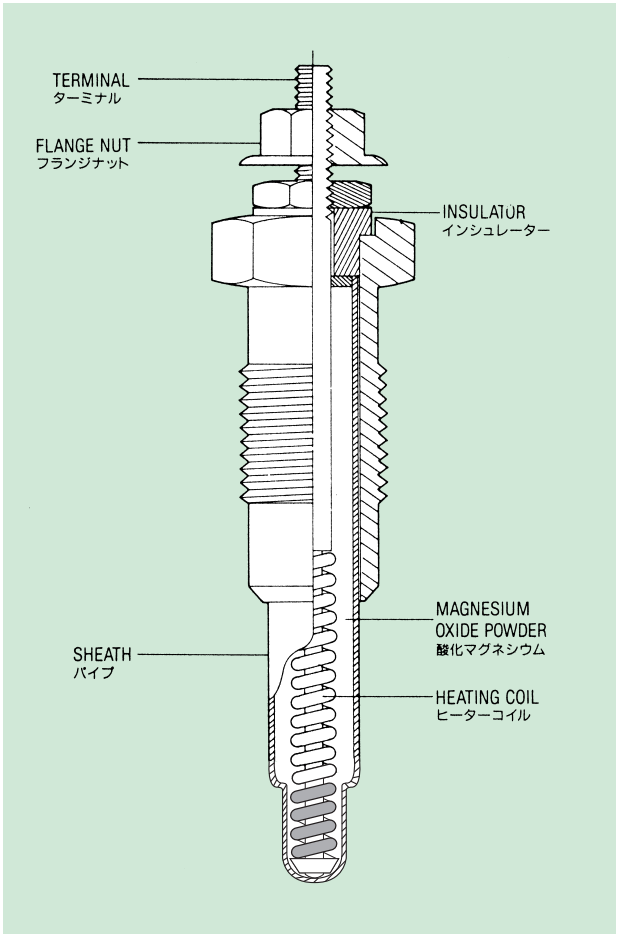
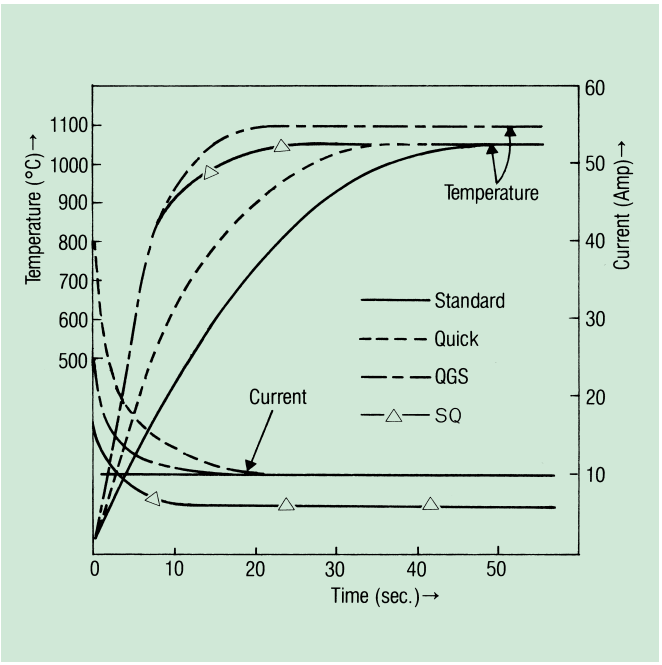




【Standard Type】

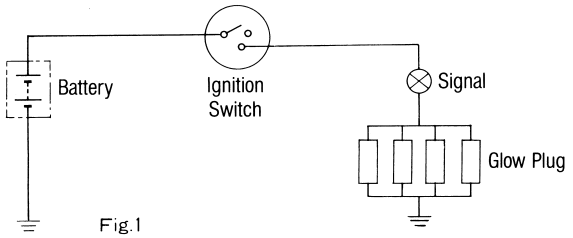


Fig.1

【Quick Type】

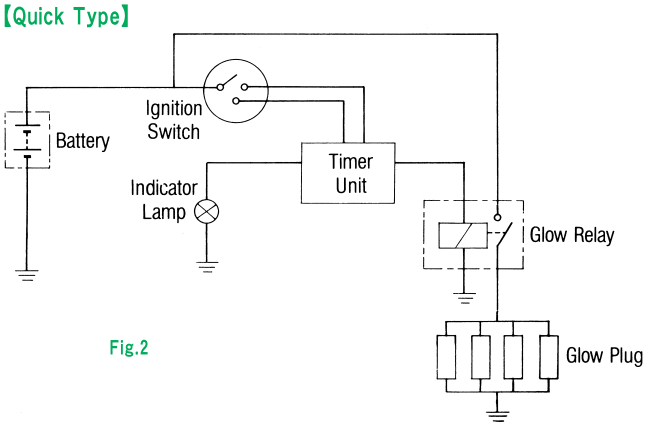


Fig.2

【QGS Type】

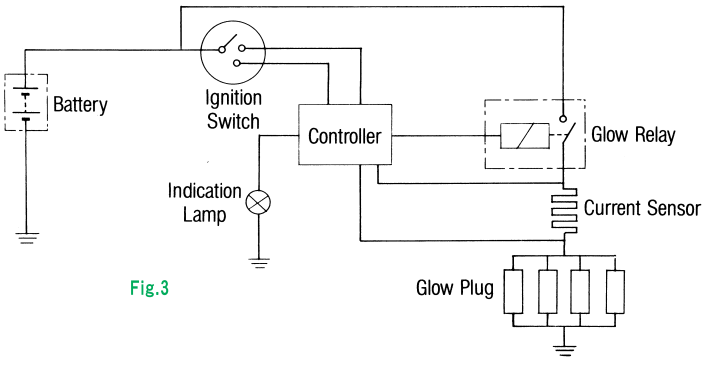


Fig.3

GLOW PLUGの種類と特徴

グロープラグは構造上ヒーターコイルが外部に露出したコイル型と耐熱パイプに覆われたシーズ型の2種類に大別出来ます。コイル型は1970年以前が主流でしたが、現在はシーズ型が圧倒的に使用されています。シーズ型グロープラグは温度上昇時間により、スタンダード型、クイック型、クイックグローシステム型、スーパークイック型の4種類に分類されます。

【スタンダード型】 温度上昇時間 800℃まで 20—25秒
温度上昇によるヒーターコイルの抵抗値に変化はなく、一定量の電流が流れます。回路図—1参照。

【クイック型】 温度上昇時間 800℃まで 15—20秒
温度上昇に従い抵抗値が大きくなるヒーターコイルを使用しており、通電直後は抵抗値が低く、大容量の電流が流れる為、短時間で急速に温度が上昇する特性をもっています。回路図—2参照。

【クイックグローシステム】 温度上昇時間 900℃まで 約10秒
コントローラー、グローリレー等の電子回路により、グロープラグへの通電時間、電流容量等を制御することにより、始動時間の短縮、低アイドリング時のエンジン回転の安定、スモークの減少等の特性をもっています。回路図—3参照。

【スーパークイック型】 温度上昇時間 800℃まで 10秒以内
材質が異なる2種類のコイル特性を利用して急速に温度を上昇させた後、プラグ自身で温度を制御させています。周辺機器の簡素化と始動性に優れています。

使用上の注意

(1)Diesel Engineは始動時にGasoline Engineに比べ消費電力が大きいため、Battery容量はEngine Makerの指示に従って下さい。Batteryの容量が不足すると、Glow Plugが十分に赤熱せず始動が困難になります。Batteryが劣化している場合も同様の現象となります。

(2)Glow Plugの選定にあたっては、車種・年式を確認の上、当社カタログにより正しい品番のものを選定し御使用下さい。選定を誤ると始動困難、またはGlow Plugの断線等の原因となります。

(3)Glow Plugが赤熱する時間は、Standard Type で約25Sec、Quick Typeで約20Sec、QGS Typeで10Sec以内、Coil Typeは約20Secです。予熱後始動不可能になった場合、連続しての始動行為はBatteryの消耗が大きく、またGlow Plugの寿命にも悪影響をおよぼしますので、一度Switchを切ってから再び始動手順を行って下さい。

CLASSIFICATION AND CHARACTERISTICS OF GLOW PLUGS

There are two types of the 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℃
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℃
The coil resistance increases as the temperature goes up, and the current is almost doubte of the nominal current when the glow is engaged, and this makes possible to heat up quickly.

【QGS Type】 Approx. 10 sec to 900℃
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℃
The good combination of a heating coil and a 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 resu1t in difficulty of starting(for example,using the product specified for24V in a 12V vehicle) or melting of the giow plug(for example, using the product specified for 12V in a 24V vehicle).

(3) It takes about 25 seconds, 20 seconds, 10 seconds and 20 seconds for the standard type, quick type, QGS type and coil type respectively to be heated up.When it does not start excellently after preliminary heating,continuous feeding of electricity may consume battery power considerably and gives an unfavorable influence upon the service life of the glow plug. Turn the switch to OFF after preliminary heating and turn ON again.

HKT

HOT products

TOYOTA

PT-157

CAR NAME: HILUX (VIGO)
ENGINE: 2.5 D4-D (90Kw)
3.0 D4-D (126Kw)
REF. No. 19850-27010, 19850-30010
MODEL: HL2, HL3

PT-159

CAR NAME: YARIS (VITZ)
ENGINE: 1.4 D4-D (66Kw)
REF. No. 19850-0W01
MODEL: TR, T3, T Spirit, SR

PT-500

CAR NAME: AVENSIS
ENGINE: 2.2DT D4-D (110kw/130kw)
REF. No. 19850-0R010
MODEL: T3, TR, T4, T Spirit, T180

CP-23

CAR NAME: RAV 4
ENGINE: 2.2DT D4-D (110kw/130kw)
REF. No. 19850-26020
MODEL: XT3, XT4, XT5, XTR, T180

HONDA

CP-53

CAR NAME: ACCORD
ENGINE: N22AI 2.2i-CTDi (104Kw)
REF. No. 12291-RBD-E01
MODEL: CN1, CN2

ISUZU

PI-173

CAR NAME:	ELF
ENGINE:	4HL1, 4HJ1
REF. No.	8-94390777-4
MODEL:	KR-NKR81, KR-NPR81, KR-NKS81 KR-NPR72, KR-NPS7

PI-175

CAR NAME:	D-MAX
ENGINE:	4JJ1 (107Kw)
REF. No.	8-97326046-0
MODEL:	SLX, LS, SL

PI-176

CAR NAME:	RODEO
ENGINE:	2.5TD (74Kw)
REF. No.	8-97326519-2
MODEL:	S, XS, LS

MITSUBISHI

PM-401

CAR NAME:	CANTER
ENGINE:	4M42 (Ti) Direct Injection
REF. No.	ME191813
MODEL:	PDG-FB70, FE70/72, PDG-FE82

PM-402

CAR NAME:	TRITON
ENGINE:	4D56T 2.5 Turbo (85Kw) 4D56T 2.5 Turbo Intercooler (103Kw) 4M41 3.2 Turbo Intercooler (121Kw)
REF. No.	1820A-006T
MODEL:	GLX, GLX-R, VR

PM-169

CAR NAME:	COLT CZ3
ENGINE:	1.5DI-D (70KW)
REF. No.	MN960270
MODEL:	OM639

KOREAN CARS

B-110

Car Makers	Car Name
HYUNDAI	MATRIX, ACCENT SANTA FE, TUCSON ELANTRA, TRAJET GETZ
KIA	SPORTAGE CERATO CARENS
ENGINE:	1.5 CRDI TCI 2.0 CRDI TCI
REF. No.	36710-27010

B-120

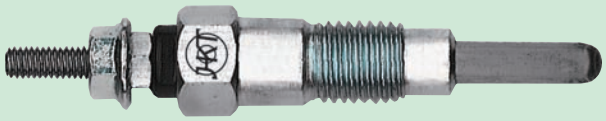
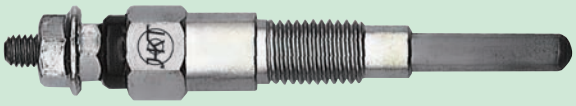
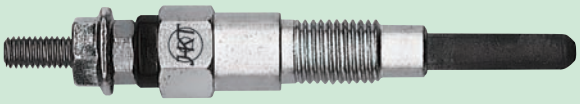
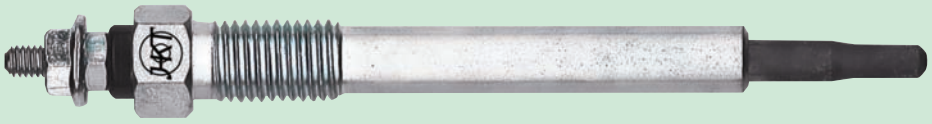
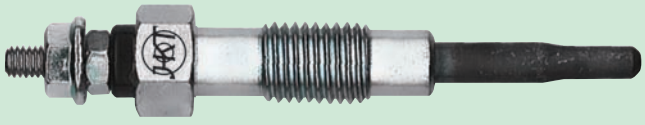
Car Makers	Car Name
HYUNDAI	H1, H100
KIA	SORENTO
ENGINE:	2.5 D4CB
REF. No.	36710-4A000

B-121

Car Makers	Car Name
SSANG YONG	REXTON KYRON ACTYON
ENGINE:	200 XDi (104Kw) 270 XDi (121Kw)
REF. No.	66415-90001

INDUSTRIAL ENGINE

HKT NO.	OE NO.	REF.NO	P.V.	MAKER	APPLICATION
PS-200	19215-6551-0 / -3	Y-149	12.5	KUBOTA	
PS-206	16851-6551-0 / -2	YE-01	11	KUBOTA	Z482, D662, D722
PS-219	17529-6551-1	YA-01	12.5	KUBOTA	
PS-220	2666-A014 2666-A005		11	PERKINS	
PS-221	2666-A012 2666-A013		11	PERKINS	

PS-200	
PS-206	
PS-219	
PS-220	
PS-221	

TOYOTA

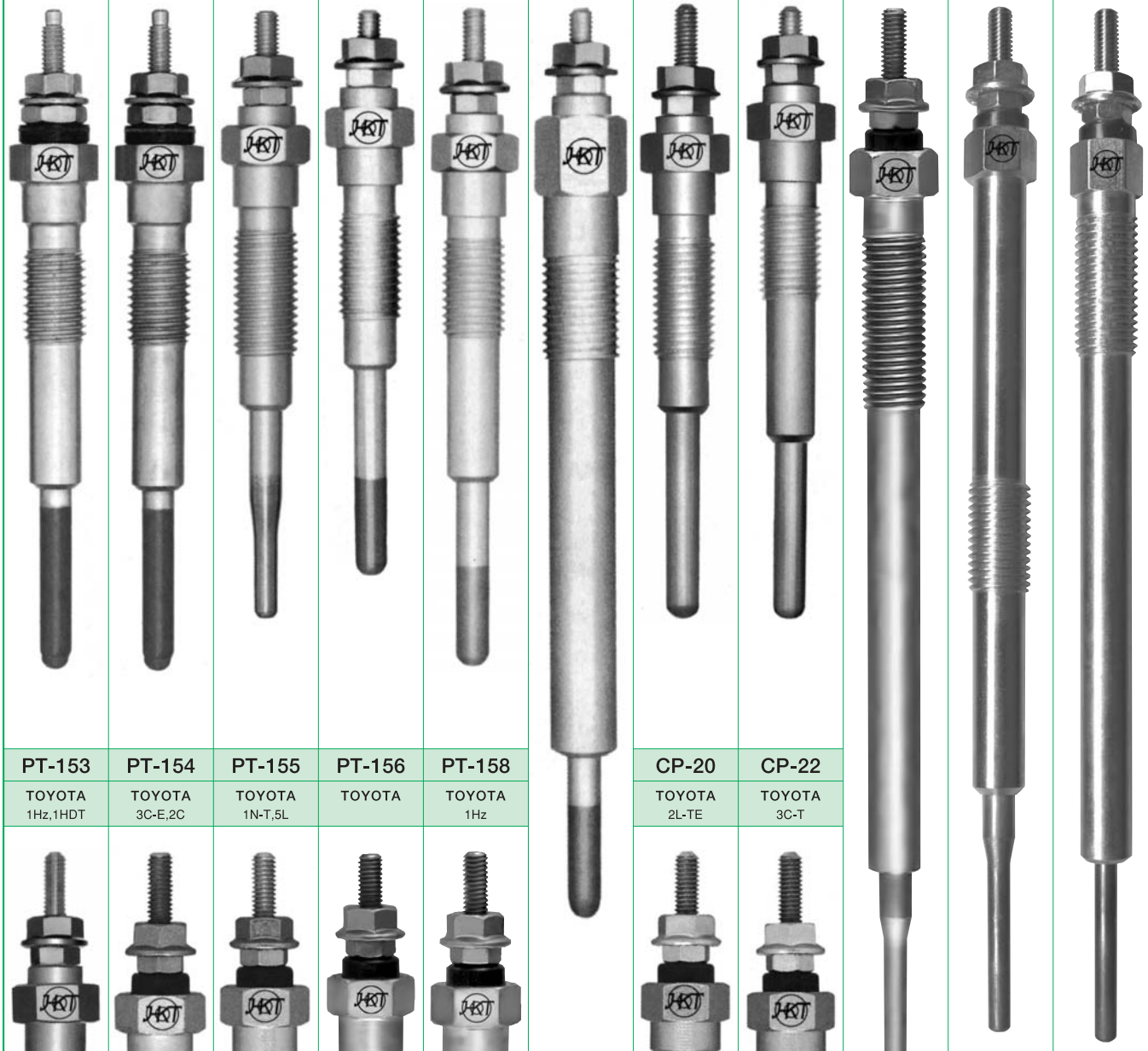
PT-90	PT-91	PT-92	PT-93	PT-94	PT-100	PT-101	PT-102	PT-103
TOYOTA DYNA 12V 2J	TOYOTA TRUCK	TOYOTA TRUCK BUS 2D	TOYOTA DYNA 12V B	TOYOTA DYNA 24V B	TOYOTA DYNA 12V B	TOYOTA DYNA 24V B	TOYOTA 2D	TOYOTA CROWN L

PT-104	PT-105	PT-106	PT-107	PT-108	PT-109	PT-140	PT-141	PT-142	PT-144
TOYOTA 2B	TOYOTA L	TOYOTA TOYOACE L	TOYOTA CORONA 1C 2C	TOYOTA TOYOACE 2J	TOYOTA TOYOACE 2J	TOYOTA L 2L	TOYOTA TOYOACE 2J	TOYOTA HIACE L	TOYOTA CROWN L

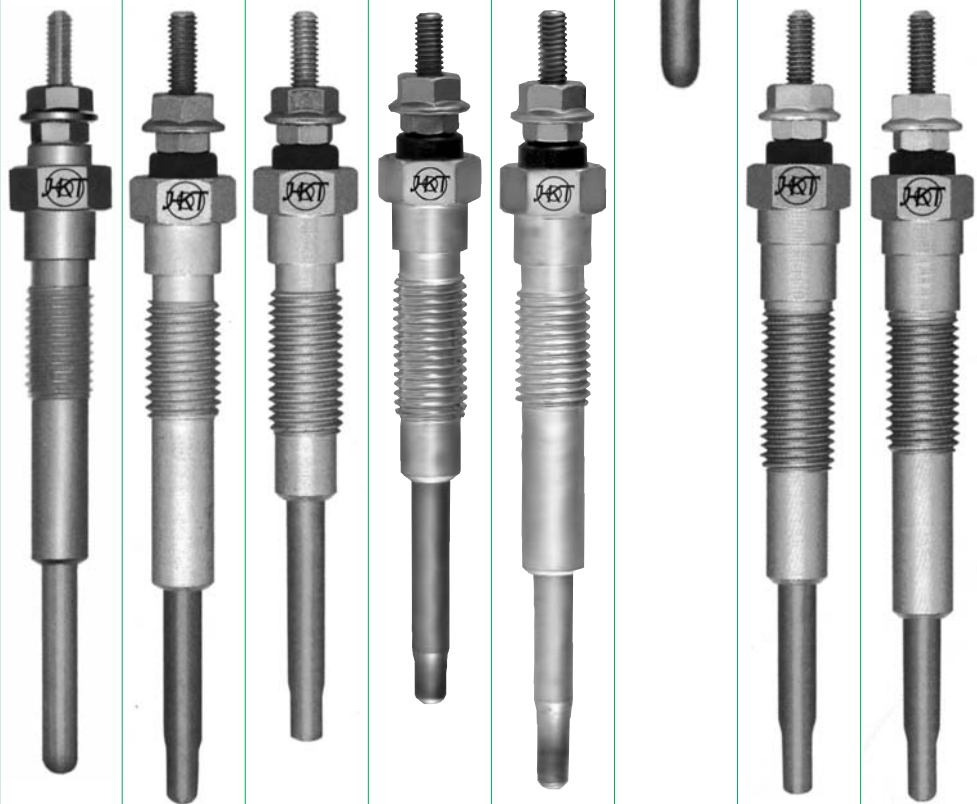
TOYOTA

年式	西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表	昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

PT-145	PT-146	PT-147	PT-149	PT-150	PT-148	PT-151	PT-152	PT-157	PT-159	PT-500
TOYOTA B 2L	TOYOTA 2J	TOYOTA 2L-T	TOYOTA L	TOYOTA 1C-1	TOYOTA 1W	TOYOTA 2L	TOYOTA 1Hz,1HDT	TOYOTA 1KD-FTV	TOYOTA GN042	TOYOTA



PT-153	PT-154	PT-155	PT-156	PT-158	CP-20	CP-22
TOYOTA 1Hz,1HDT	TOYOTA 3C-E,2C	TOYOTA 1N-T,5L	TOYOTA	TOYOTA 1Hz	TOYOTA 2L-TE	TOYOTA 3C-T



TOYOTA

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
COROLLA SPRINTER	1C, 1C-L	4	'82.2~'87.7	N-CE70, 71V, 72G, 80	7	12	PT-107	19850-64010
	1N-T	4	'86.5~'90.8	Q-NL30	7	12	PT-140	19850-54050
			'90.9~'94.8	X-NL40	11	12	PT-151	19850-54090
			'94.9~	NL50	11	12	PT-155	19850-54120
	1C-Ⅱ	4	'87.5~'91.6	Q-CE91, 97G, 96V	11	12	PT-150	19850-64020
	1C-Ⅲ		'89.6~	Q-CE90, 96V, 96G				
	2C-Ⅲ	4	'91.6~'98.4	X-CE100, 110, 114, KA-CE106V, 109V KD-CE108G, 109G, 110, 114				
COROLLA WAGON	3C-E	4	'98.4~	KE-CE101G, 102G, 105V, 107V KE-CE113, 116 KF-CE105V, KH-CE116	11	12	PT-154	19850-64050
STARLET	1N	4	'86.12~'89.12	Q-NP50, 70, N-NP76V-	7	12	PT-140	19850-54050
			'89.12~'96.1	Q-NP80, X-NP80	11	12	PT-151	19850-54090
			'96.1~'99.7	KD-NP90	11	12	PT-155	19850-54120
TERCEL CORSA COROLLA Ⅱ	1N-T	4	'86.5~'90.8	Q-NL30	7	12	PT-140	19850-54050
			'90.9~'94.8	X-NL40	11	12	PT-151	19850-54090
			'94.9~'99.7	NL50	11	12	PT-155	19850-54120
CAMERY VISTA	1C-TL	4	'83.8~'88.8	N-CV10	7	12	PT-107	19850-64010
	2C-TL	4	'86.1~'88.8	N-CV11				
	2C-T	4	'88.8~'90.7	Q-CV20	11	12	PT-150	19850-64020
			'90.7~'94.7	Q-CV30, X-CV30				
	3C-T	4	'94.7~'96.4	CV40	11	12	CP-22	19850-67020
			'96.5~	KD-CV40, CV43				19850-67030
CARINA	1C	4	'82.2~'88.4	N-CA60, 67V	7	12	PT-107	19850-64010
	2C-L	4	'84.5~'88.4	Q-CT-150, N-CT150	7	12	PT-107	19850-64010
	2C	4	'88.5~'92.11	Q-CT170, G, X-CT170、G	11	12	PT-150	19850-64020
			'92.8~'96.8	X-CT190, 195, Y-CT195 KD-CT190, 195				
	2C-T	4	'96.8~'98.8	KD-CT210, 215	11	12	PT-154	19850-64050
	3C-TE	4	'98.8~	KE-CT211, KH-CT216	11	12	CP-22	19850-67030
CORONA	1C, 1C-Ⅱ	4	'82.2~'87.12	N-CT140, 147V,	7	12	PT-107	19850-64010
	2C-L		'82.2~'87.12	N-CT150				
	2C-Ⅲ	4	'87.12~	Q-CT170, S-CT176V	11	12	PT-150	19850-64020
	2C	4	'94.8~'96.1	X-CT170				
PREMIO	2C-T	4	'96.1~'98.1	KD-CT210, 215	11	12	PT-154	19850-64050
	3C-TE	4	'98.1~	KE-CT211, KH-CT216	11	12	CP-22	19850-67030
MARK Ⅱ CHASER CRESTA	L	4	'79.9~'82.7	K-LX40, 60, 67V	11	12	PT-103	19850-54030
			'82.8~'84.7	K-LX60	7	12	PT-140	19850-54050
	2L	4	'84.8~'88.8	N-LX70, 76V				
	2L-T	4	'84.8~'88.8	N-LX70	6	12	PT-147	19850-54070/71
	2L, 2L-T 2L-Ⅱ 2L-ⅡT	4	'88.8~'92.8	Q-LX80	11	12	PT-151	19850-54090
	2L-TE	4	'92.10~'96.8	Y-LX90	11	12	CP-20	19850-54110
			'96.8~	KD-LX100				19850-54130
CALDINA	2C	4	'92.11~'96.1	X-CT190G, Y-CT190G KD-CT190G, S-CT196V, 198V KB-CT196V, 198V	11	12	PT-150	19850-64020
	2C-T	4	'96.1~'97.9	KD-CT190G	11	12	PT-154	19850-64050
	3C-E	4	'98.5~	KF-CT197V, 199V, KJ-CT197V				
	3C-TE	4	'97.9~	KH-CT216G	11	12	CP-22	19850-67030
IPSUM	3C-TE	4	'97.8~	KH-CXM10G	11	12	CP-22	19850-67030
GAIA	3C-TE	4	'98.5~	KH-CXM10G	11	12	CP-22	19850-67030

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
CROWN	L	4	'77.10～'79.8	LS100	11	12	PT-106	19850-54010
			'79.9～'81.8	K-LS110, 117V	11	12	PT-103	19850-54030
			'81.8～'83.7	K-LS110, 117V 117V,	11	12	PT-144	19850-54031
			'81.9～'83.7	N-LS110, 110G, 117V	7	12	PT-140	19850-54050
	2L	4	'83.8～'89.7	N-LS120, 126V, 130				
	2L－Ⅱ	4	'89.8～	Q-LS130, S-LS136V	11	12	PT-151	19850-54090
	2L－T	4	'82.8～'89.7	N-LS111, 120, 130, 130G	6	12	PT-147	19850-54070/71
	2L－TⅡ	4	'89.8～'89.8	Q-LS130	11	12	PT-151	19850-54090
	2L－TE	4	'82.8～'84.8	N-LS111, 120				
	2L-THE	4	～'84.12	N-LS120, 120G	6	12	PT-147	19850-54070/71
			'84.12～'89.7	N-LS120, 120G, 130, 130G				
	2L-THEⅡ	4	'89.8～	Q-LS130, 131, 130G, 141	11	12	PT-151	19850-54090
	2L-TE	4	'95.12～	KD-LS151H	11	12	CP-20	19850-54110
COMFORT	2L-TE	4	'95.12～	KD-LXS11	11	12	CP-20	19850-54110
DELIBOY	2C	4	'91.5～	S-CXC10V	11	12	PT-150	19850-64020
EMINA LUCIDA	3C-T	4	'92.1～	Q-CXR10G, 20G, 21G	11	12	CP-22	19850-67020
LITEACE	1C	4	'82.10～'88.7	N-CM20, 20G, 20V	7	12	PT-107	19850-64010
	1C-Ⅱ	4	'85.8～'88.7	N-CM20, CR26V				
			'88.8～	S-CM50	11	12	PT-150	19850-64020
	2C-Ⅱ	4	'85.8～	N-CM26, CR27V	7	12	PT-107	19850-64010
	2C-Ⅲ 2C	4	'88.8～	Q-CM30G, S-CM31V, 36V,	11	12	PT-150	19850-64020
			'88.8～	S-CM41V, 51, 55, 60, 65				
			'96.10～	KB-CR41V, 51V	11	12	PT-154	19850-64050
	2C-ⅢT	4	'88.8～	Q-CM30G, 40G	11	12	PT-150	19850-64020
	2C-T	4	'93.8～	CR22G, 29G, 31G, 38G				
	3C-T	4	'94.8～'96.10	CR22G, 29G, 31G, 38G	11	12	CP-22	19850-67020
			'96.10～	KD-CR40G, 50G				19850-67030
LITEACE NOAH	2C-Ⅲ	4	'96.10～	KB-CR41V KB-CR51V	11	12	PT-154	19850-64050
TOWNACE	1C, 2C	4	'82.11～'87.9	N-CM20, 25, N-CR21G, 26V	7	12	PT-107	19850-64010
	1C-Ⅱ	4	'85.8～'87.7	N-CM20, CR26V				
			'87.8～'89.10	N-CM50, L-YM55, 60, CM50	11	12	PT-150	19850-64020
	2C-Ⅱ	4	'85.8～'87.7	N-CM26, CR27V, CR21G	7	12	PT-107	19850-64010
			'87.8～	N-CM51, 55, 60	11	12	PT-150	19850-64020
	2C	4	'90.8～'96.10	S-CM51, 55, 60, 65, CR27V, 36V				
			'96.10～	KB-CR41V, 51V	11	12	PT-154	19850-64050
	2C-TⅡ	4	'85.8～'87.7	N-CR21G	7	12	PT-107	19850-64010
			'87.8～'93.9	N-CR21G, 28G, 30G, 37G	11	12	PT-150	19850-64020
	2C-Ⅲ	4	'88.8～	S-CR27V, 36V,				
			'88.8～	S-CM51, 55, 60, 65,				
	2C-Ⅲ T	4	'88.8～	Q-CR21G, 28G, 30G, 36G,37G				
	2C-T	4	'93.8～	CR22G, 29G, 31G, 38G	11	12	CP-22	19850-67020
	3C-T	4	'94.8～'96.10	CR22G, 29G, 31G, 38G				
			'96.10～'	KD-CR40G, 50G				19850-67030
TOYOACE	L	4	'79.3～'80.4	K-LY20, 20V, 30, 30V	11	12	PT-106	19850-54010
					23	24	PT-149	19850-54020
			'80.4～'82.1	K-LY20, 20V, 30, 30V	11	12	PT-103	19850-54030
					11	12	PT-144	19850-54031
					23	24	PT-105	19850-54040

TOYOTA

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
TOYOACE	L	4	'82.1~	K-LY20, 20V, 30, 30V, N-LY20	7	12	PT-140	19850-54050
					16	24	PT-142	19850-54060
	2L	4	'83.8~	N-LY21, 31, 31V	7	12	PT-140	19850-54050
					16	24	PT-142	19850-54060
			'85.8~'88.8	N-LY50, 60	7	12	PT-140	19850-54050
	2L-Ⅱ	4	'88.8~'95.5	U-LY50	11	12	PT-151	19850-54090
	3L	4	'88.8~'95.5	U-LY51, 61				
			'95.6~	KC-LY131				
	2J	4	'72.7~'74.4	JY16	8	12	PT-93	19850-56020
					19	24	PT-94	19850-56010
			'74.4~'80.8	JY16	8.5	12	PT-100	19850-56021/22
				K-JY16, 30	8.5	12	PT-104	19850-68030
					20.'5	24	PT-101	19850-56012
					20.'5	24	PT-109	19850-68040
			'80.8~'82.1	K-JY16, 30	10.'5	12	PT-145	19850-68010
			'82.2~'87.7	K-JY16, 30	23	24	PT-108	19850-68020
					6	12	PT-146	19850-68050
					14	24	PT-141	19850-68060
	B	4	'80.8~'82.1	K-BY30	10.'5	12	PT-145	19850-68010
					23	24	PT-108	19850-68020
			'82.2~'87.7	K-BY30, 31	10.'5	12	PT-145	19850-68010
					14	24	PT-141	19850-68060
			'86.1~	N-BU60V Ⅱ	10.'5	12	PT-145	19850-68010
			'85.8~'88.8	N-BU60, VH,70V, VH, 80	14	24	PT-141	19850-68060
			'88.8~'95.5	N-BU60,70V, VH,83	23	24	PT-153	19850-58010
				U-BU60,70V, VH,83				
	3B	4	'89.10~'95.5	U-BU68DH				
			'95.5~	KC-BU100,A, 105, 120V				
				KC-BU140, 145				
	1W	4	'90.8~	U-WU75D, 90, 95	23	24	PT-148	19850-78010
	S05C	4	'99.5~	KK-XZU307, KK-XZU372	23	24	PH-26	19850-89101
	J05C	6	'95.6~	G25, FB4J				19110-1220
								067100-1830
MASTER ACE	2C	4	'83.4~	N-CR21G	7	12	PT-107	19850-64010
	2C-Ⅱ	4	'85.8~	N-CR21G				
	2C-Ⅲ T	4	'88.8~	N-CR21G, 28G, 30G, 37G	11	12	PT-150	19850-64020
HIACE	L	4	'79.7~'81.5	K-LH20V, 20G, 24, 30	11	12	PT-103	19850-54030
				K-LH30V, 40V, 40B	11	12	PT-144	19850-54031
					23	24	PT-105	19850-54040
			'81.5~'82.11	K-LH20G, 24, 40B, 40V	7	12	PT-140	19850-54050
					16	24	PT-142	19850-54060
			'82.12~'85.8	N-LH24, 24HV, 50V, 50G	7	12	PT-140	19850-54050
				N-LH60B, 60G, 60V, 70V, 70B				
	2L	4	'84.1~'89.7	N-LH51V, 51G, 56V, 61V, 61G				
				N-LH61B, 66V, 71V, 71B, 80				
			'89.8~'93.8	Q-LH100G, 110G, 140G	11	12	PT-151	19850-54090
			'88.8~'95.8	U-LH80, VH, 85, 90, 95, 102V				
	2L-T	4	'87.8~'89.7	N-LH51G, Q-LH51G	6	12	PT-147	19850-54070/71
			'89.8~'90.10	Q-LH100G, 120G	11	12	PT-151	19850-54090
	2L-Ⅱ	4	'88.8~	U-LH80,				
	3L	4	'89.8~'96.8	Q-LH107G, 107W, 117G, s-LH115B				
				U-LH103V, 109V, 113V, 119V				
				U-LH123V, 125B, 129V				
				KC-LH103V, 109V, 113K, V				
				KC-LH119V, 123V, 125B, 129V				

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
HIACE	3L	4	'96.8～'98.8	KC-LH103V, 109V, 113K, V KC-LH119V, 123V, 125B, 129V	11	12	PT-155	19850-54120
			'95.8～'96.10	KC-LY101, 111, 151, 161	11	12	PT-151	19850-54090
	5L	4	'98.8～	KG-LH162V, 168V, 172K, V, 178V KG-LH182K, 184B, 186B, 188K	11	12	PT-155	19850-54120
	1KZ-TE	4	'93.8～	Y-KZH100G, 106G, W, 110G Y-KZH116G, 120G, 126G KD-KZH100G, 106G, W, 110G KD-KZH116G, 120G, 126G KC-KZH132V, 138V KH-KZH100G, 106G, W KH-KZH110G, 116G, 120G KJ-KZH132V, 138V	11	12	CP-22	19850-67020 19850-67030
REGIUS	1KZ-TE	4	'97.7～	KD-KCH 40, KCH 46,	11	12	CP-22	19850-67030
	5L	4	'97.8～	KG-LXH43	11	12	PT-155	19850-54120
HILUX HILUX SURF	L	4	'79.12～'81.10	K-LN30, 40	11	12	PT-103	19850-54030
					11	12	PT-144	19850-54031
			'81.10～	K-LN40, 46, N-LN40, 55	7	12	PT-140	19850-54050
			'79.12～'83.11	K-LN40, 46, N-LN40, 55	23	24	PT-105	19850-54040
			'83.11～	K-LN40, 46, N-LN40, 55	16	24	PT-142	19850-54060
	2L	4	'83.11～	N-LN56, 60, 65,	7	12	PT-140	19850-54050
					16	24	PT-142	19850-54060
	2L-T	4	'84.11～	N-LN60V	6	12	PT-147	19850-54070/71
	2L-Ⅱ	4	'88.9～	S-LN80, 85	11	12	PT-151	19850-54090
	2L-Ⅱ T	4	'88.9～	L-LN61V				
	2L-TE	4	'90.8～'97.9	Q-LN130G,				
			'97.9～	KB-LN165, 170H	11	12	PT-155	19850-54120
	3L	4	'82.2～	S-LN100, 106, 131V	11	12	PT-151	19850-54090
	5L	4	'97.9～	KF－LN167, 172H	11	12	PT-155	19850-54120
	1KZ-TE	4	'93.8～	KZN130W	11	12	CP-22	19850-67020
			'97.8～	KD－KZN185,				19850-67030
	1KD-FTV	4	'00.10～	KH-KDN185W-GAPGY	11	12	PT-157	19850-27010
				KH-KDN185				19850-30010
GRANVIA	1KZ-TE	4	'93.8～	KD-KCH10W	11	12	CP-22	19850-67020
				KD-KCH16W				19850-67030
BLIZZARD	L	4	'80.3～'81.10	K-LD10, 10V	11	12	PT-103	19850-54030
					11	12	PT-144	19850-54031
			'81.10～	K-LD10, 10V,	7	12	PT-140	19850-54050
	2L	4	'83.8～'90.2	Q-LD21G, N-LD20V				
	2L-T	4	'83.8～'90.2	Q-LD21G, N-LD20V	6	12	PT-147	19850-54070/71
	2L-TE	4	'90.4～	Q-LJ71G, 78G	11	12	PT-151	19850-54090
LAND CRUISER LAND CRUISER PRADO	B	4	'74.2～'75.1	BJ40, 43, 43V	8	12	PT-93	19850-56020
					19	24	PT-94	19850-56010
			'75.1～'79.2	BJ40, 43, 43V	8.5	12	PT-100	19850-56021/22
					8.5	12	PT-104	19850-68030
					20.5	24	PT-101	19850-56012
	2B	4	'79.2～'81.10	K-BJ41, 41V, 44	20.5	24	PT-109	19850-68040
			'81.10～'82.9	K-BJ41, 41V, 44	14	24	PT-141	19850-68060
	3B	4	'80.8～'81.10	K-BJ60, 60V	10.5	12	PT-145	19850-68010
					23	24	PT-108	19850-68020

TOYOTA

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
LAND CRUISER LAND CRUISER PRADO	3B	4	'81.10~	N-BJ42, 42V, 46, 46V, 61V	14	24	PT-141	19850-68060
				N-BJ42, 46, 61, 70, 73	10.5	12	PT-145	19850-68010
			'63.8~'90.1	S-BJ70, V, 73V	23	24	PT-153	19850-58010
	2H	6	'82.10~'88.8	N-HJ60V	14	24	PT-141	19850-68060
			'88.8~'90.1	N-HJ60	23	24	PT-153	19850-58010
	1HZ	6	'90.1~'99.8	S-HZJ73HV, V U-HZJ70V, 73HV, V, 77HV, V KB-HZJ70, V, 73V	23	24	PT-153	19850-58010
			'90.1~'99.8	U-HZJ75, 81V, KC-HZJ75, 81V	11	12	PT-152	19850-64031
			'99.8~	KG-HZJ71, V, 74K, V,76K, V,79,	11	12	PT-158	19850-17020
	1HDT	6	'90.1~'95.1	U-HDJ81	11	12	PT-152	19850-64031
	2L-TE	4	'90.4~'93.5	Q-LJ71G, 78G 78W	11	12	PT-151	19850-54090
	1PZ	6	'90.1~'94.1	S-PZJ70, 77V, 77HV	23	24	PT-153	19850-58010
	1KZ-TE	4	'93.5~	KZJ71G, 71W, 78G, 78W	11	12	CP-22	19850-67020
			'96.5~	KD-KZJ90W, 95W				19850-67030
	1KD-FTV	4	'00.10~	KH-KDJ95W-GKPGY KH-KDJ90, KH-KDJ95	11	12	PT-157	19850-27010 19850-30010
TOYOTA TRUCK	D	6	'73.2~'77.4	DY110, 120 SERIES	19	24	PT-92	19850-76020
	2D	6	'77.4~'79.1		21	24	PT-102	19850-77010
			'79.1~					
MASSY DYNA	DQ100	6	'69.2~'75.1	DQ10, QC10, 12, 15	19	24	PH-21	19850-67010
	EH100	6	'75.2~'78.5	EC20, 22, 23				
DYNA	2L	4	'85.8~'88.8	N-LY50, 60	7	12	PT-140	19850-54050
			'88.8~95.5	U-LY50	11	12	PT-151	19850-54090
	3L	4	'88.3~95.5	U-LY51, 61	11	12	PT-151	19850-54090
			'69.2~'73.1	JU10	8	12	PT-90	19850-46020/21
	5L	4	'99.5~	KG-LY102, 112, 132, 152, 162 KG-LY202, 212	11	12	PT-155	19850-54120
	2J	4	'73.1~'74.10	JU10, 12, 15, 20, K-JU20	8.5	12	PT-100	19850-56021/22
					8.5	12	PT-104	19850-68030
					20.5	24	PT-101	19850-56012
					20.5	24	PT-109	19850-68040
	B	4	'72.2~'74.10	BU10, 12, 15	8	12	PT-93	19850-56020
					19	24	PT-94	19850-56010
			'74.10~'80.8	BU10, 12, 15, 20, 25, 30 K-BU10V, 20, 20V, 30V	8.5	12	PT-100	19850-56021/22
					8.5	12	PT-104	19850-68030
					20.5	24	PT-101	19850-56012
					20.5	24	PT-109	19850-68040
			'80.8~'82.4	K-BU20, 30, 35 K-BU20V, 30V, 35V	20.5	24	PT-101	19850-56012
					20.5	24	PT-109	19850-68040
					10.5	12	PT-145	19850-68010
			'82.4~'89.7	K-BU20, 30, 35 K-BU22, 22V, 33, 60, 70, 80	14	24	PT-141	19850-68060
			'88.8~'95.5	N-BU60, 70V, VH, 83	23	24	PT-153	19850-58010
			'90.8~'95.5	U-BU60, 70V VH, 83				
	2B	4	'77.8~'80.8	K-BU31	8.5	12	PT-100	19850-56021/22
					8.5	12	PT-104	19850-68030
					20.5	24	PT-101	19850-56012
					20.5	24	PT-109	19850-68040
			'80.8~	K-BU31	10.5	12	PT-145	19850-68010
					23	24	PT-108	19850-68020
	3B	4	'80.8~'82.4	K-BU36	20.5	24	PT-109	19850-68040
			'82.4~	K-BU36, N-BU23, 34, 37	14	24	PT-141	19850-68060
			'95.5~	KC-BU100, A, 105,120V,140,145	23	24	PT-153	19850-58010
	1W	4	'83.4~	P-WU26, 40, 50, 90, 95	14	24	PT-148	19850-78010

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
DYNA	J05C	4	'95.5～	350 SERIES, KC-FB4	23	24	PH-26	19110-1220 19850-89101
	S05C	4	'99.5～	KK-XZU302, A, D, H, 307, V KK-XZU312D, 322, D, 337, 347 KK-XZU352D, 362, A, D, 372, 382				
	S05D	4	'99.5～	KK-XZU301A,D,H, 306 KK-SZU311A, D, 321A, D, 331 KK-XZU341, 346, 351D, 371				
	H 2H	6	'72.5～'74.10 '74.10～'82.4	HU15	19	24	PT-94	19850-56010
				HU15, 30	20.5	24	PT-101	19850-56012
				K-HU30	20.5	24	PT-109	19850-68040
			'82.4～'83.4	K-HU26, 40, 50	14	24	PT-141	19850-68060
COASTER	B 2B 3B	4	'72.2～'74.10	BU19	19	24	PT-94	19850-56010
			'74.10～'82.4	BU19, BB10, K-BB10, 11	20.5	24	PT-101	19850-56012
					20.5	24	PT-109	19850-68040
			'82.5～'89.7	K-BB20, 30	14	24	PT-141	19850-68060
	3B	4	'89.8～	K-BB21, 31, 26V	23	24	PT-153	19850-58010
	1HZ	6	'89.8 ～	U-HZB30, 31, 36V				
			'94.5～	KC-HZB50				
	1HD-T	6	'89.8～	U-HDB30, 31				
	2H	6	'82.5～	N-HB30	14	24	PT-141	19850-68060
	J05C	4	'99.5～	KC-RX4 KK-RX4JFET	23	24	PH-26	19110-1220 19850-89101
TRUCK BUS	2D	6	'73.2～'77.3	DR10, 11, 15, DA110, 120	19	24	PT-92	19850-76020
					21	24	PT-102	19850-77010/11

NISSAN

PN-81	PN-82,84	PN-85	PN-86	PN-87	PN-88	PN-89	PN-120	PN-121
NISSAN CEDRIC SD20.22.33	NISSAN CONDOR ED6.ED30	NISSAN CEDRIC SD22	NISSAN SD22	NISSAN SD20.22	NISSAN SD22	NISSAN LD20.28	NISSAN SD22.33	NISSAN LD20.28

PN-122	PN-123	PN-124	PN-125	PN-126	PN-127	PN-128	PN-129	PN-130
NISSAN ED30	NISSAN SD23.25 12V	NISSAN SD23.33 24V	NISSAN ED33	NISSAN CD17	NISSAN CD17 12V	NISSAN SD23.25 12V	NISSAN LD20.28 12V	NISSAN ED30.33 24V

NISSAN

年式 西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表 昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

PN-131
NISSAN
SD23.33.33T

PN-132
NISSAN
SD23

PN-133
NISSAN
CD17

PN-134
NISSAN
CD17

PN-135
NISSAN
TD27

PN-136
NISSAN
TD23.24V

PN-137
NISSAN
ED33

CP-72
NISSAN
YD25DDTi

CP-73
NISSAN
ZD30DDT

PN-138
NISSAN
TD27

PN-139
NISSAN

CP-01
NISSAN
CD17

CP-02
NISSAN
CD20

CP-03
NISSAN
TD27 Eti

CP-04
NISSAN
RD28

CP-70
NISSAN
LD 20 Ⅱ

NISSAN

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
SUNNY	CD17	4	'82.10～'85.9	N-SB-11, WSB11	8.5	12	PN-127	11065-16A00/10
					6.5	12	PN-126	11065-16A05/15
			'85.9～'93.12	N-SB12, WSB12, Q-SB12, SB13	11	12	CP-01	11065-G5501
	CD20	4	'94.1～'98.12	X-SB14, SNB14, Y-SNB14 KD-SB14, SNB14	11	12	CP-02	11065-57J00
	YD22DD	4	'99.9～	KE-SB15	11	12	CP-72	11065-AD200
PULSAR LANGREY LIBERTA VILLA	CD17	4	'83.5～'86.10	N-SN12	8.5	12	PN-127	11065-16A00/10
					6.5	12	★PN-126	11065-16A05/15
			'86.5～'93.12	N-SB12, Q-SB12, SN-13 N-BSN13, Q-BSN13	11	12	CP-01	11065-G5501
			'90.8～'95.1	Q-SN14				
	CD20		'95.1～'98.9	KD-SN15, SNN15	11	12	CP-02	11065-57J00
BRUEBIRD	LD20	4	'80.5～'81.12	K-EJ910, VEJ910	11	12	PN-89	11065-V0700 11065-V0710
	LD20-T	4	'82.1～'85.8	K-EJ910, VEJ910 N-EJ910, VEJ910 N-EU11, VEU11	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	★PN-121	11065-W2500 11065-W2510
	LD20Ⅱ	4	'85.8～'91.8	N-EU11, VEU11 Q-SU12, EJ910(TAXI) Q-TSU12, VEU11	11	12	CP-01	11065-G5501
	CD-20	4	'91.9～'98.9	X-SU13, TSU13, Q-SU13, SNU13 Y-SU13, SNU13 KD-SU13, SNU13, SU14	11	12	CP-02	11065-57J00
	CD20E	4	'98.9～'98.11	KE-SU14	11	12	CP-02	11065-5C900
SKYLINE	LD20	4	'80.6～'81.9	K-VSC211	11	12	PN-89	11065-V0700 11065-V0710
			'81.10～'85.8	K-VSJR30 N-VSJR30 N-EU11	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	★PN-121	11065-W2500 11065-W2510
	LD28	6	'80.6～'81.8	K-EG211, KEGC211	11	12	PN-89	11065-V0700 11065-V0710
			'81.8～'85.8	K-ER30, RER30 N-ER30	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	★PN-121	11065-W2500 11065-W2510
	RD28	6	'85.8～'89.5	N-SR31 Q-SR31 NO. 1. 2. 3. CYLINDER ONLY	6.5	12	CP-70	11065-V7203
				** NO. 4. 5. 6. CYLINDER	6.5	12	N.A.	11065-V7202
LAUREL	SD20	4	'78.11～'79.10	SC230	9.5	12	PN-86	11065-Y1402 11065-Y1403 11065-Y1404
			'79.11～'80.11	K-SC230	11	12	PN-87	11065-Q4001
	LD20	4	'80.11～'81.11	K-SJC31	11	12	PN-89	11065-V0700 11065-V0710
			'81.11～'86.10	K-SJC31 N-SJC31	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	★PN-121	11065-W2500 11065-W2510

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
LAUREL	LD28	6	'80.11～'81.11	K-EJC31	11	12	PN-89	11065-V0700 11065-V0710
			'81.11～'86.10	K-EJC31 K-EJC31, 32	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	PN-121	11065-W2500 11065-W2510
	RD28	6	'85.8～'89.5	N-SJC32 Q-SJC32, 33, 34 NO. 1. 2. 3. CYLINDER ONLY	6.5	12	CP-70	11065-V7203
				** NO. 4. 5. 6. CYLINDER	6.5	12	N.A.	11065-V7202
			'97.6～'99.8	KD-SC35	11	12	CP-04	11065-4P400
	RD28E	6	'99.8～	KH-SC35				
CEDRIC GLORIA	SD20 SD22	4	～'65		10.5	12	PN-80	11065-37501
			'66～'67	Q130	10.5	12	PN-83	11065-37503
			'68～'76.10	Q130, 230, 330	10.5	12	PN-81	11065-37506 11065-37507
			'76.10～'77.10	Q330, R330	9.5	12	PN-85	11065-Y1400 11065-Y10401
			'77.10～'79.6	Q330, R330	9.5	12	PN-86	11065-Y1402 11065-Y1403 11065-Y1404
			'79.6～'83.6	K-S430, N-S430 K-R430, K-VR430	11	12	PN-87	11065-31W00 11065-31W01
	LD28	6	'79.11～'82.6	K-H430, KH430 K-WH430, VH430	11	12	PN-89	11065-V0700 11065-V0710
			'82.6～'85.6	N-H430, W430, VH430 N-HY30, WHY30, VHY30	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	★PN-121	11065-W2500 11065-W2510
	RD28	6	'85.8～'95.5	N-UY30, 31, 32 Q-UY31, 32, NO. 1. 2. 3. CYLINDER ONLY	6.5	12	CP-70	11065-V7203
				** NO. 4. 5. 6. CYLINDER	6.5	12	N.A.	11065-V7202
			'95.6～	KD-UY31, UJY31, CUY31 KD-UY33	11	12	CP-04	11065-4P400
	RD28E	6	'99.8～	KH-UY31				
CREW	RD28	6	'93.7～	N-UY30, 31, 32 Q-UY31, 32, NO. 1. 2. 3. CYLINDER ONLY	6.5	12	CP-70	11065-V7203
				** NO. 4. 5. 6. CYLINDER	6.5	12	N.A.	11065-V7202
PULSAR AD VAN SUNNY AD VAN DATSUN AD VAN	CD17	4	'82.10～'85.9	N-VSB11	8.5	12	PN-127	11065-16A00 11065-16A10
					6.5	12	★PN-126	11065-16A05 11065-16A15
	CD17	4	'85.9～'88.5	N-VSB11	8.5	12	PN-133	11065-16A01 11065-16A11
					6.5	12	★PN-134	11065-10A06 11065-10A16
AD VAN	CD17	4	'88.5～'90.9	S-VSB11, VSY10, VSNY10	11	12	PN-135	11065-43G01
			'90.10～'93.7	Q-WSY10	11	12	CP-01	11065-G5501
	CD20	4	'93.8～	X-WEY10, KD-WEY10, VENY10 KD-VENY10	11	12	CP-02	11065-57J00
CHERRY VANETTE	LD20	4	'81.6～'82.9	K-EC120, EGC120, KEC120 K-KEGC120, VEC120 K-VEGC120, VPGC120	11	12	PN-89	11065-V0700 11065-V0710

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CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
SUNNY VANETTE	LD20 LD20T	4	'82.10～	K-EC120, EGC120, KEC120 N-VEC120 K-KEGC120, KEGC120	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	★PN-121	11065-W2500 11065-W2510
DATSUN VANETTE	LD20Ⅱ	4	'85.10～	N-VUJC22, KUC22, KUJC22	11	12	CP-01	11065-G5501
	CD20 CD20T	4	'91.6～	S-VVJC23 Q-KVJC23, KVNC23	11	12	CP-02	11065-57J00 11065-5C900
AVENIR	CD20	4	'90.5～	S-VSW10	11	12	CP-02	11065-57J00 11065-5C900
	CD20 T	4	'90.5～	S-SW10, Y-SW10, KD-SW10				
LARGO	CD20T	4	'90.5～	Y-VW30, VNW30	11	12	CP-02	11065-57J00 11065-5C900
	CD20ETi	4	'95.8～	VW30, VNW30				
SERENA	CD20	4	'91.6～	S-VVJC23, Q-KVJC23	11	12	CP-02	11065-57J00 11065-5C900
	CD20 T	4	'91.6～	Q-KVC23, KVNC23, KD-AVC23				
	YD25DDTi	4	'99.8～	KH-VC24, UNU24	11	12	CP-72	11065-AD200
PRESAGE	YD25DDTi	4	'98.6～	KH-VU30, VNU30	11	12	CP-72	11065-AD200
BASSARA	YD25DDTi	4	'99.11 ～	KH-JVU30, JVNU30	11	12	CP-72	11065-AD200
JUNIOR	SD22	4	'66～'67	Q41	10.5	12	PN-83	11065-37503
			'68～	Q41	10.5	12	PN-81	11065-37506 11065-37507
CABSTAR HOMER	SD22	4	'76.1～'77.8	QGF20, VQF20	10.5	12	PN-81	11065-37506 11065-37507
			'77.8～'77.11	QGF20, VQF20	9.5	12	PN-85	11065-Y1400 11065-Y1401
			'77.11～'79.9	QGF20, 21 VGF20, 21	9.5	12	PN-86	11065-Y1402 11065-Y1403 11065-Y1404
					20.5	24	PN-88	11065-T3400 11065-T3401
			'79.9～'82.1	K-QF21, VQF21 K-QGF21, VQGF21	11	12	PN-87	11065-31W00 11065-T31W01
					23	24	PN-120	11065-T3470
DATSUN TRAUCK	SD22	4	'78.11～'79.10	R620	9.5	12	PN-86	11065-Y1402 11065-Y1403 11065-Y1404
			'79.10～'82.1	K-S720, SG720, RSG720	11	12	PN-87	11065-31W00 11065-T31W01
			'82.1～'83.4	K-S720, SG720, SGY720 K-RSG720	11	12	PN-123	11065-34W00
					10.5	12	PN-128	11065-T8200 11065-T8202
	SD23	4	'83.4～	N-A720, AG720, AGY720	10.5	12	PN-128	11065-T8200 11065-T8202
			'85.8～	N-AD21, AGD21, AMD21	11	12	PN-132	11065-10G00
	TD23	4	'87.8～	N-PD21, PGD21, PMD21	11	12	PN-135	11065-43G01
	TD27	4	'88.11～	S-BMD21				
			'95.8～'97.1	KC-BD21, BGD21				
			'97.1～	KC-BD22				
	TD27T	4	'93.7～'97.1	U-BMD21, KC-UMD21, LBMD21	11	12	PN-138	11065-31N00
	QD32	4	'97.1～	KC-LRMD22	11	12	CP-03	11065-0W801 11065-65N01
TERRANO	TD27	4	'86.8～	N-VBYD21, WBYD21	11	12	PN-135	11065-43G01
	TD27 T	4	'88.11～	Q-WBYD21	11	12	PN-138	11065-31N00 11065-G2400
	TD27 ETi	4	'95.9～	PR50	11	12	CP-03	11065-OW801
	QD32ETi	4	'97.6～	KD-PR50				

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
REGULUS	TD27 ETi	4	'96.8～	KD-PR50	11	12	CP-03	11065-OW801
	QD32 ETi	4	'96.8～	KD-PR50				
	ZD30 DDTi	4	'99.2～	KH-TR50, KH-JTR50	11	12	CP-73	11065-2W202 11065-2W211
MISTRAL	TD27 BT	4	'94.6～	Y-R20	11	12	PN-138	11065-G2400 11065-31N00
CARAVAN HOMY	SD22	4	'78.3～'79.9	RF20, HRE20, VRE20, KRSE20 GKRE20, 21 K-RE21, KRSE21, GKRE21	9.5	12	PN-86	11065-Y1402 11065-Y1403 11065-Y1404
					20.5	24	PN-88	11065-T3400
		4	'79.10～'82.5	K-CRGE23, VRGE23, VRE23 K-KRE23, KRGE23, DRGE23	11	12	PN-87	11065-31W00/1
					23	24	PN-120	11065-T3470
	SD23	4	'82.5～'86.9	N-VYE23, VYGE23 N-CYGE23, DYGE23	11	12	PN-123	11065-34W00
					23	24	★PN-124	11065-T8201 11065-T8203
	LD20T	4	'82.5～'86.9	N-KSE23, KSGE23	8.5	12	PN-129	11065-W3400 11065-W3410
					6.5	12	PN-121	11065-W2500 11065-W2510
	TD23	4	'86.9～'90.8	CYGE24,N-VYE24, VYGE24	11	12	PN-135	11065-63G00 11065-43G01
	LD20Ⅱ LD20T-Ⅱ	4	'88.9～'90.10	N-KSE24, Q-KSE24, KRME24 Q-KRMGE24, KSGE24 NO. 1. 2. . CYLINDER ONLY	6.5	12	CP-70	11065-V7203
				** NO. 3. 4. . CYLINDER			N. A.	11065-V7202
	TD27	4	'87.10～'95.8	N/U-CRGE24, DRGE24 N/U-VRMGE24, VRGE24 Q-ARGE24, KRME24 Q-KRE24, KRGE24 Q-ARGE24, KRMGE24 Y-ARGE24, KRE24, KRGE24 Y-KRME24, KRMGE24 T-CRGE24, VRMGE24	11	12	PN-135	11065-63G00 11065-43G01
			'95.8～	KC-CRGE24, CRMGE24, DRGE24 KC-VRE24, VRMGE24 KD-ARGE24, KRE24 KD-KRGE24, KRME24, KRMGE24				
	TD27T	4	'88.10～'93.5	Q-KRE24, KRME24 KC-CRGE24, DRGE24, CRMGE24 KC-VRE24, VRGE24, VRMCE24	11	12	PN-138	11065-31N00 11065-G2400
	TD27Ti	4	'88.10～'95.8	Q-ARE24, ARME24, ARMGE24 Q-KRE24 Y-ARE24, ARME24, ARMGE24				
			'95.8～	KD-ARE24, ARGE24 KD-ARME24, ARMGE24 KD-KRE24, KRGE24	11	12	CP-03	11065-0W801 11065-65N01
	QD32	4	'96.9～	KC-VWE24, VWGE24, CWGE24 KC-VWMGE24, CWMGE24 KG-VWE24, VWGE24, CWGE24 KD-DWGE24				
	ZD30DD			KG-VWE25	11	12	CP-73	11065-2W202 11065-2W211
	ZD30 DDTi			KG-VWE25, KG-VPE25				

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CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
EL GRAND	QD32 Eti	4	'97.5~'99.8	KD-AVE50, AVWE50	11	12	CP-03	11065-OW801
	ZD30 DDTi	4	'99.8~	KH-ATE50, KH-ATWE50	11	12	CP-73	11065-2W202 11065-2W211
CABALL CLIPPER	SD22	4	'66.8~'67.9	QC240, HQC240, GQC240 GHQC240, DQC240	10.5	12	PN-83	11065-37503
			'67.10~'72.12	QC240, HQC240, D652 T652, 653, 658, 661, 663, 665	10.5	12	PN-81	11065-37506 11065-37507
	ED30	4	'73.1~'76.10	YC240, YT40, YWT40, YHWT40 GHWT40, GYHT40, AVYT40	10	12	PN-84	11065-J2000
			'76.10~'77.11	YC340, HYC340, CYC340		12	N.A.	11065-Z5500
				DYC340, EHYC340, JVYC340	19	24	PN-82	11065-Z5000
			'77.11~'80.5	YC340, HYC340, DYC340 K-YC340, GYC340 JVYC340	9.5	12	PN-122	11065-J5501 11065-J5502
						24	N.A.	11065-J5503 11065-J5504
			'80.6~'81.12	K-YC341, DYC341		12	N.A.	11065-J5570
				K-RYC341, TYC341	23	24	PN-130	11065-J6500
	ED33	4	'80.6~'81.12	K-MC341, HMC341, DMC341	23	24	PN-130	11065-J6500
ATLAS	SD23	4	'82.2~'85.8	K-YF22, YGF22	11	12	PN-123	11065-34W00
					23	24	★PN-124	11065-T8201 11065-T8203
			'85.8~'86.11	N-YF22, YGF22	11	12	PN-132	11065-10G00
					24	24	★PN-131	11065-C8600
	SD25	4	'81.12~	K-EF22, EGF22, REGF22 N-EH40	11	12	PN-123	11065-34W00
					23	24	★PN-124	11065-T8201 11065-T8203
				K-EH40	10.5	12	PN-128	11065-T8200 11065-T8202
					23	24	★PN-124	11065-T8201 11065-T8203
			'85.8~	N-EF22, EGF22, VEGF22	11	12	PN-132	11065-10G00
					24	24	★PN-131	11065-C8600
	TD23	4	'86.11~	N-TF22, TGF22	11	12	PN-135	11065-43G01
					24	24	★PN-136	11065-10T01
	TD25	4	'95.10~	KC-SN6F23	11	12	PN-135	11065-43G01
	TD27	4	'86.11~	N-AF22, AGF22, VAGF22, AH40				11065-63G00
					24	24	★PN-136	11065-10T01
	QD32	4	'97.11~	KG-SR4F KG-SR8F	11	12	CP-03	11065-0W801
	ED33	4	'81.12~'86.11	K-MH40, MGH40, DMH40 K-RMGH40, TMH40, CMH40 N-MH40, CMH40, MGH40 N-DMH40, TMH40, K-RMH40	23	24	PN-125	11065-T9000 11065-T9001
			'86.11~'90.6	N-MH40, MGH40, DMH40	24	24	PN-137	11065-02T00
	ED35	4	'90.6~'95.5	U-TRH40, LE2YH41, LE4YH41 U-RH40, SE2H41, TE2H41				
CIVILIAN	SD22	4	'71.9~'73.1	GHQC240	10.5	12	PN-81	11065-37506 11065-37507
	ED30	4	'73.2~'76.11	QYC240	10	12	PN-84	11065-J2000
					19	24	PN-82	11065-Z5000
		4	'76.11~'72.11	GHYC340		12	N. A.	11065-J5500
					19	24	PN-82	11065-Z5000
			'77.11~'80.5	GHYC340, K-GHY341	9.5	12	PN-122	11065-J5501 11065-J5502

年式	西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表	昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
CIVILIAN	ED30	4	'77.11～'80.5	GHYC340, K-GHY341		24	N.A.	11065-J5503 11065-J5504
			'80.6～	K-GHYC341		12	N.A.	11065-J5570
					23	24	PN-130	11065-J6500
	ED33	4	'80.6～'82.8	K-GHMC341	23	24	PN-130	11065-J6500
			'82.8～'88.5	N-MW40, MGW40	23	24	PN-125	11065-T9000 11065-T9001
			'88.5～	N-MW40, MGW40	24	24	PN-137	11065-02T00
	ED35	4	'90.6～	U-BGW40, BW40, KC-BGW40				
	TD42	6	'88.5～	U-RW40, RGW40, RYW40	24	24	PN-136	11065-10T01
	TD42 T	6	'95.8～	KC-RGW40, RYW40	23	24	N.A.	11065-51N00
	ED35	4	'90.6～	U-BW40, BGW40	24	24	PN-137	11065-02T00
SAFARI	SD33 SD33T	6	'80.6～'82.8	K-KR160, VRG160	23	24	PN-120	11065-T3470
			'82.8～'87.10	K-VR160, VRG160 N-VR161,VRG161,ARG161 KR161	23	24	★PN-124	11065-T8201 11065-T8203
			'85.10～'87.10	N-VR161, VRV161 N-VRG161, BRG161	24	24	★PN-131	11065-C8600
	RD28 T	6	'94.10～'97.10	WYY60 NO. 1. 2. 3. CYLINDER ONLY	6.5	12	CP-70	11065-V7203
				** NO. 4. 5. 6. CYLINDER	6.5	12	N.A.	11065-V7202
	RD28ETi	6	'97.10～	KD-WYY61	11	12	CP-04	11065-4P400
	TD42 TD42 T	6	'87.11～'97.10	S-VRY60, VRGY60 U-VRGY60 Q-WGY60, WRY60, WRGY60 W-RGY60	24	24	PN-136	11065-10T01
			'94.10～'97.10	WGY60, WRY60	11	12	PN-135	11065-43G01 11065-63G00
				WRGY60, VRGY60				
			'95.8～'97.10	KC-VRGY60				
			'95.8～'97.10	KD-WRGY60, WRY60	11	12	PN-138	11065-31N00
			'97.10～'99.9	KD-WRGY61, KG-VRGY61				
			'99.9～	KG-VRGY61				
	ZD30 DDTi	4	'99.9～	KH-WTY61 KH-VVTY61, Y61	11	12	CP-73	11065-2W202 11065-2W211
3.5t TRUCK	SD33	6	'66～'67	QC30, QSC30, DQSC30	10.5	12	PN-83	11065-37503
			'68～'73		10.5	12	PN-81	11065-30506 11065-37507

NISSAN DIESEL (UD)

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
CONDOR	ED6	6	'75.5~	CM90	19	.24	PN-82	11065-Z5000
	SD25	4	'81.12~'84.6	K-EH40	23	24	★PN-124	11065-T8201 11065-T8203
			'84.6~	N-EH40	11	12	PN-123	11065-34W00
					23	24	★PN-124	11065-T8201 11065-T8203
	TD25	4	'95.6~	SN2F23, SN4F23, SN6F23	11	12	PN-135	11065-43G01
	TD27	4	'86.11~	N-AH40				
					24	24	★PN-136	11065-10T01
	QD32	4	'95.10~	KG-SR4F23	11	12	CP-03	11065-0W801
	ED33	4	'81.12~'86.11	K-MH40, MGH40, CMH40, DMH40 K-RMH40, RMGH40, TMH40 N-MH40, MGH40, CMH40, DMH40 N-JMH40 N-RMH40, RMGH40, TMH40	23	24	PN-125	11055-T9000 11065-T9001
			'86.11~'90.6	N-MH40, MGH40, DMH40, TMH40	24	24	PN-137	11065-02T00
	ED35	4	'90.6~'95.5	U-RH40, TRH40 U-LE2YS41, LE4YS41, SE2S41	24	24	PN-137	11065-02T00
BISON	ED30 ED33	4	'80.6~'81.11	K-EHMC341, HMC341 K-JVY341, YC341	23	24	PN-130	11065-J6500
BUS	ED6	6	'75.12~'79	RM90	19	24	PN-82	11065-Z5000

年式	西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表	昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

PI-40	PI-41	PI-42	PI-43	PI-44	PI-45	PI-46	PI-47
ISUZU TX.TD	ISUZU ELF.C240	ISUZU ELF.C240	ISUZU C330.4881	ISUZU FORWARD.S8R	ISUZU C190	ISUZU 4FB1	ISUZU C240

PI-48	PI-49	PI-50	PI-51	PI-52	PI-53	PI-54
ISUZU 4BC1	ISUZU ELF150.250	ISUZU ELF250.350.450	ISUZU GEMINI	ISUZU ELF250	ISUZU ELF250.4BA1	ISUZU ELF250.4BC1

ISUZU

PI-55	PI-57	PI-58	PI-56	PI-170	PI-172	PI-173	PI-175	PI-176
ISUZU 4EC1	ISUZU 4EC1T	ISUZU C223	ISUZU	ISUZU	ISUZU 4JX1	ISUZU ELF 4HJ1	ISUZU	ISUZU

PI-59	CP-50
ISUZU 4JG2	ISUZU 4EE1-T

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
GEMINI FF GEMINI	4FB1 4FB1 TURBO	4	'79.10～'81.9	K-PFD60	5	12	PI-46	8-94221719-3 8-94241449-0 8-94255588-0
	4EC1	4	'85.10～'88.12	N-JT600	5	12	PI-55	8-94439218-0
			'88.12～	Q-JT600	11	12	PI-58	8-94319700-1
	4EC1 TURBO	4	'85.10～'88.12	N-JT600	5	12	PI-51	8-94402303-1
			'88.12～	Q-JT600	11	12	PI-57	8-94481972-0
	4EE1 TURBO	4	'90.4～	Q-JT641F X-JT641F	11	12	PI-59	8-94387612-1 8-97044037-0
FLORIAN	C190	4	'77.10～'80.2	PAD30, K-PAD30, 30V	9	12	PI-45	5-81410040-0
			'80.3～'83.3	K-PAD30, 30V	5	12	PI-46	8-94221719-3 8-94241449-0 8-94255588-0
117 COUPE	C223	4	'79.12～'81.6	K-PAD96				
ASKA	4FC1 4FC1 TURBO	4	'83.4～	N-JJ510		12	N.A.	8-94249692-1 8-94145947-0
			'85.6～	N-JJ510		12	N.A.	8-94421027-0
FASTER RODEO	C190	4	'78～'79.9	KBD20, KBD25, KBD40	10.5	12	PI-42	9-82511978-0
					9	12	PI-45	5-81410040-0
			'79.10～	KBD21, KBD26, KBD41 K/N-KBD21, 26, 41	5	12	PI-46	8-94221719-3 8-94241449-0
	C223	4	'83.4～'87.7	N-KBD22, 27, 42, 47				8-94255588-0
			'87.8～	N-KBD22, 42, 47	11	12	PI-58	8-94319700-1 8-94144412-0
	4JB1 TURBO	4	'90.1～	S-TFR55F, 55H S-TFS55F, 55H, 55HD	11	12	PI-49	8-94175158-0 8-94133759-5
BIG HORN TROOPER	C223 C223 TURBO	4	'81.9～'87.7	N-UBS52	5	12	PI-46	8-94221719-3 8-94241449-0 8-94255588-0
	C223	4	'87.8～'90.7	N-UBS52	11	12	PI-58	8-94319700-1 8-94144412-0
	4JB1 TURBO	4	'90.8～'92.7	Q-UBS55CW, 55FW, 55FWR S-UBS55FM, 55CK	11	12	PI-49	8-94175158-0 8-94133759-5
	4JG2	4	'92.8～	Q-UBS69GW, 69DW KD-UBS69GW, 69DW	11	12	PI-59	8-94387612-1 8-97044037-0
	4JX1	4	'98.6～	KH-UBS73	11	12	PI-172	8-97143674-1
MU WIZZARD	4JB1 TURBO	4	'90.8～	Q-UCS55	11	12	PI-49	8-94175158-0 8-94133759-5
	4JG2	4	'93.10～'98.6	UCS69DWM	11	12	PI-59	8-97044037-0
	4JX1	4	'98.6～	KH-UES73	11	12	PI-172	8-97143674-1
HIPACK VAN	C223 C223 TURBO	4	'83.1～'87.7	N-UFR52G	5	12	PI-46	8-94221719-3 8-94241449-0 8-94255588-0
	C223	4	'87.8～	N-UFR52G	11	12	PI-58	8-94319700-1

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
ELF 150	C190	4	'70~'77.9	KAD40, 41, 50, 51	10.5	12	PI-42	9-82511978-0
			'77.10~'79.10	KAD41, 51, K-KAD41, 51	9	12	PI-45	5-81410040-0
			'79.11~'84.6	K-KAD41, 52 N-KAD41, 51	5	12	PI-46	8-94221719-3 8-94241449-0 8-94255588-0
	C240	4	'78~'79.10	KAD-42, 52	9	12	PI-45	5-81410040-0
				K-KAD42, 52	20.5	24	PI-43	9-82513959-0
			'79.11~'84.6	KAD42, 52 K-KAD42, 52 N-KAD42, 52	5	12	PI-46	8-94221719-3 8-94241449-0 8-94255588-0
					9.5	24	PI-47	5-81410055-2 5-81410057-2
	4JA1 4JB1	4	'84.7~	P/S-NHR54, 54C, 54E P/S-NHR55, 55C, 55E P/S-NHR55CA, 55EA	11	12	PI-49	8-94175158-0 8-94133759-5
	4JB1 T	4	'85.3~	P-WHR55				
	4JG2	4	'93.7~	U-NHR69 U-NKR69	11	12	PI-59	8-97043744-0 8-94387612-1
			'95.3~	KC-NHR69, NHS69, NKR69				8-97044037-0
	4BE2	4	'93.7~	U-NKR63	9.5	12	N.A.	8-94380645-1
ELF 250	C220	4	'65~'68	TLD11, 21, 30, 50, 60	10.5	12	PI-41	9-82511977-0
	C221	4	'68~'69	TLD22	10.5	12	PI-42	9-82511978-0
	C240	4	'70~'77.9	TLD13, 23, 33, 43, 53, 63	10.5	12	PI-42	9-82511978-0
					20.5	24	PI-43	9-82513959-0
			'77.10~'80.1	TLD23	9	12	PI-45	5-81410040-0
				K-TLD63	20.5	24	PI-43	9-82513959-0
			'80.2~'84.6	K-TLD23, 43, 53 N-TLD23	5	12	PI-46	8-94221719-3 8-94241449-0 8-94255588-0
					9.5	24	PI-47	5-81410055-2 5-81410057-2
	4BA1	4	'72~'78.9	TLD24, 34, 44, 54, 64	20.5	12	PI-43	9-82513959-0
			'78.10~'80.1	TLD24, 34, 54, 64	20.5	24	PI-53	5-81410044-0
			'80.2~'84.6	K-KT24 K-TLD24, 34, 44, 54, 64 N-TLD24, 34, 54	9.5	24	PI-48	5-81410056-3 5-81410058-3
			'84.7~	P-NKR56	23	24	PI-52	8-94172223-0
	4BC1	4	'79~'79.9	TLD45, 55, 65, 75	20.5	24	PI-54	5-81410045-0
			'79.10~'81.6	K-KT15, 25, 35 K-TLD55, 65, 75	9.5	24	PI-48	5-81410056-3 5-81410058-3
	4BC2	4	'81.7~'84.6	K-KT16, 26, 36	20.5	24	PI-44	9-82513928-2
				K-TLD26, 46, 56, 64, 66, 76 P-TLD26, 56, 66, P-KT26		24	★ N.A.	5-81410054-0
			'84.7~	P-NKR57, P-NPR57	23	24	PI-50	8-94135377-4
	4BD1 T	4	'84.7~	P-NPR59				
	4JA1	4	'84.7~	P-NHR54	11	24	PI-49	8-94175158-0 8-94133759-2
	4JB1	4	'84.7~	NKR55				
	4BJ1-2	4	'85.3~	P-WKR55				
	4FE1	4	'90.8~	U-NKR58EA, 58LR	23	24	PI-50	8-94135377-4 8-97033761-0

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
ELF 250	4BE2	4	'93.7~	U-NKR63	23	24	PI-50	8-94135377-4 8-97033761-0
	4JG2	4	'93.7~	U-NHR69 U-NKR69	11	12	PI-59	8-97043744-0 8-94387612-1 8-97044037-0
	4BE1	4	'93.7~	U-NKR58	23	24	PI-50	8-94135377-4 8-97033761-0
	4HF1	4	'93.7~	U-NKR66, U-NPR66				
ELF 350	C330	4	'70~'72	KS10, 20	20.5	24	PI-43	9-82513959-0
	4BB1	4	'73~'79	KS11, 21, 31, 41	20.5	24	PI-44	9-82513928-2
	4BD1	4	'80~'84.6	K-KS12, 22, 32, N-KS22, 32 P-KS22, 32				
	4BC2	4	'84.7~	P-NPR57	23	24	PI-50	8-94135377-4
	4BD1	4	'84.7~	P-NPR59				
	4BD1 T	4	'84.7~	P-NPR59				
	4BG1	4	'88.9~	U-NPR61GD, 61LR, 61PR	23	24	PI-50	8-94135377-4 8-97033761-0
	4HF1	4	'90.8~	U-NPR66, KC-NPR66, NKR66				
	4HF1 T	4	'93.7~	U-NPR70				
ELF 450	4BD1	4	'86.2~	P-NPR59	23	24	PI-50	8-94135377-4
	4BD1 T	4	'86.2~	P-NPR59				
ELF MYPACK	C240	4	'72~'79	KUD20	10.5	12	PI-42	9-82511978-0
FARGO	4FB1	4	'81.1~'82.6	K-WFR50	5	12	PI-46	8-94241449-0 8-94255588-0
	4FC1	4	'81.1~'82.6	K-WFR51, N-WFR51				
	4FC1 T	4	'82.7~	N-WFR51, 51DW, N-WFS51DW		12	N.A.	8-94249692-1
	4FD1	4	'83.12~	N-WFR53, N-WFS53			N.A.	8-94145947-0
	4FG1	4	'90.8~	U-WFS62DV U-WFR62DV, 62FV, 62FVH U-NFR62DT	11	12	PI-59	8-94387612-1 8-97044037-0 8-97043744-0
FOWARD	D500	6	'70~'72	TR20, 30, 35, 40, 50, 60, 70, 85	20.5	24	PI-43	9-82513959-0
	6BB1	6	'72~'77	FBR320, 370, 650 JBR360, 420, 500, 650 VBR320, yBR310, 360	20.5	24	PI-44	9-82513928-2
			'72~(FXI)	SBR320, 322, 332, 372, 380 SBR400, 422, 450, 452, 482 SBR500, 552, 560, 680 K-SBR372, 422				
	6BD1	6	'76~'84.1	FCR320, 370, 420, 450, 480 FCR550, 650 JCR360, 420, 460, 500, 550 SCR330, 370, 420, JCR650 K-JCR420, 500, K-VCR320 K-SCR480, K-SCS370				
			'76~(FXII)	SCR320, 370, 420, 422, 450 SCR480, 550				
	6BD1T	6	'84.2~	P-FRR12				
	6BF1	6	'79~	K-FDR320, 370, 420, 450 K-FDR480, 550, 650 K-JDR360, 420, 460, 500, 550 K-JDR650, K-VDR320				
			'79~(FXIII)	K-SDR320, 370, 420, 450 K-SDR480, 550, 650				

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CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
FOWARD	6BG1	6	'84.2~	P-FRR11	20.5	24	PI-44	9-82513928-2
	6BG1	6	'89.5~	P-ETR12, U-FSR12				
	6BG1 TURBO	6	'90.4~	U-FTR12, U-FPR12 U-ESR-12, W-ESR12				
	6HE1	6	'90.4~	U-FSR32, U-FTR32 U-FRR32, U-FSD32				
	6HH1	6	'95.2~	KC-FRR33G1, G2, H1, H2 KC-FRR33K1, K2, L1, L2 KC-FRR33M2, P2, T2, V2	23	24	PI-50	8-94135377-4 8-97033761-0
TRUCK DUMP TRUCK TRACTOR TANK TRUCK	D400	6	'68~'74	TY21, 31, 41, 51	22.5	24	PI-40	9-82511994-0 9-82511945-0
	DA120	6	'69~'74	TSD40, TWD20 TXD10, 20, 30, 40, 50				
	DA640	6	'69~'79	BXD30, SFR330, 420, 460, 500 SFR600, TSD43, TWD23 TXD13, 23, 33, 53, 60, 90 TXD10E, 30E, 40E, 50E, 70E TDX80E, K-TXD23				
	DH100	6	'65~	SLR350D, 360, 361, 400, 401 SLR401T, 450, 461, 520, 531 SLR600, 670, K-SLR361, 401 TSD50, yZ20, TD40, 50, 50A, 60 TSD62, 70, 72, TD10E, 50E, 70E TD80E, 90E, TP60, 61, 77, 78, 81 TP11E, 41E, 81E, 91E				
	E110	6	'69~	TD35E, 75E, TG55 TM45E, 85E, 85				
	6BD1	6	'76~'84.1	SCR320EM, 320M, K-TSD45	20.5	24	PI-44	9-82513928-2
	6BB1	6	'72~'84.1	VBR320, SBR322M				
	6BF1	6	'78~'84.1	SDR320M (except fire engine)				
	D500	6	'72~'73	SBR320, 380	20.5	24	PI-43	9-82513959-0
JOURNEY K.L.M.Q.S	D500	6	'72~'73	BK30	20.5	24	PI-43	9-82513959-0
	6BB1	6	'73~'84.2	BK32, DBR370, K-DBR370	20.5	24	PI-44	9-82513928-2
	6BD1 6BD1 T	6	'76~'84.2	CCM370, 410, K-CCM410 P-LR211				
	6BG1	6	'84~	P-LR312				
	4BB1	4	'73~'79	BE20				
	4BD1	4	'80~	K-BE22				
	4BC2	4	'81.7~	K-BLD35				
	C240	4	'69~'80	BLD23, K-KAD51	10.5	12	PI-42	9-82511978-0
	C190	4	'76~'78	KAD51				
	4BA1	4	'73~'78	BLD30	20.5	24	PI-43	9-82513959-0
			'79~	BLD34	20.5	24	PI-53	5-81410044-0
			'80~	K-BLD34	9.5	24	PI-48	5-81410056-3 5-81410058-3
	4BC1	4	'79~	BLD35	20.5	24	PI-54	5-81410045-0
			'80~'81.6	K-BLD35	9.5	24	PI-48	5-81410056-3 5-81410058-3

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
BUS	C221	4	～'69	TLD22B	10.5	12	PI-42	9-82511978-0
	C240	4	'70～'72	TLD23B				
	D500	6	'70～'71	BY31	20.5	24	PI-43	9-82513959-0
	D400	6	～'69	BY30	22.5	24	PI-40	9-82511994-0 9-82511945-0
	DA640	6	'68～	BA01, 05, 10, 20, 30 BF20, 30, 40, 50, BS10, 20 BXD20, 30, 50				
	E110	6	'69～'71	BU15				
	DH100	6	'69～	BU04, 10, 20, 35 K-CLM470, 500, 550				
	6BD1	6	'79～'84.2	CCM370, 410, ECM430 K-ECM43	20.5	24	PI-44	9-82513928-2
	6BG1	6	'84～	P-LT312				

MITSUBISHI

PM-60	PM-61	PM-62	PM-63,65	PM-66	PM-70	PM-71	PM-73
FUSO 6DS.6DB	FUSO 6DC.8DC	FUSO CANTER.4DQ1	FUSO CANTER.4DR5	FUSO 6D10.6D11	FUSO 4DQ50	FUSO 6DS5.6DS7	FUSO CANTER.4D30A

PM-74	PM-75	PM-77	PM-78	PM-79	PM-160	PM-161
FUSO CANTER.4DR6	FUSO 4D55	FUSO CANTER.4D35	FUSO 4D30	FUSO S4S	FUSO CANTER.4D30	FUSO PAJERO.4D55

年式 西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表 昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

PM-162	PM-163	PM-164	PM-165	PM-166	PM-167	PM-168
FUSO 4DR7	FUSO 4D32.33	FUSO	MITSUBISHI 4M40 T	MITSUBISHI	MITSUBISHI 4D68 T	MITSUBISHI 4M41 D1

CP-05	CP-06	CP-07
MITSUBISHI 4M40 T	MITSUBISHI 4D68 T,4D65	MITSUBISHI 4D56 T

MITSUBISHI

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
MIRAGE LANCER	4D65	4	'83.10～	N-C14A		12	N.A.	MD 077167
	4D65 T	4	'85.2～'92.4	N-C14V, Q-C14V, X-C14W Q-C14W	6.2	12	CP-06	MD 092392
			'91.10～'92.9	X-CB7A, CD7A				
	4D68	4	'92.10～'94.1	CB8A, CD8A	6.5	12		
	4D68T	4	'94.1～	CB8A, CD8A	11	12	CP-07	MD 197511
			'95.10～'97.9	CK8A, CM8A				
			'97.9～	KD-CK8A, CM8A X-CK8A, CM8A	11	12	PM-167	MD344469
CHARIOT	4D65	4	'84.10～'91.4	N-D09W, Q-D09W	6.2	12	CP-06	MD 092392
	4D68 T	4	'92.7～	Y-N38W, 48W				
	4D68 T	4	'94.1～		11	12	CP-07	MD 197511
LIBERO	4D68	4	'92.5～'93.12	CB8V, CB8W, CD8V, CD8W	6.2	12	CP-06	MD 092392
	4D68 T	4	'94.1～	CB8V, CB8W, CD8V, CD8W	11	12	CP-07	MD 197511
			'97.9～	KA-CB8V, CD8V KD-CB8W, CD8W	11	12	PM-167	MD344469
GALANΣ2300 GALANΛ2300 ETERNAΣ2300 ETERNAΛ2300	4D55 4D55 T	4	'80.5～'82.10	K-A167	12	12	PM-75	MD 050212
			'82.11～	K-A167	12	12	PM-75	MD 050212
						12	★ N.A.	MD 070194
	4D65 T	4	'84.2～	N-E14A		12	N.A.	MD 077167
	4D68 T	4	'92.5～'93.9	E57A, E77A	6.2	12	CP-06	MD 092392
	4D68T	4	'93.10～	E57A, E77A	11	12	CP-07	MD 197511
DELICA	4D55	4	'82.11～'87.5	N-L0380, PV, GV, GW N-L068P, PV, PW	12	12	PM-75	MD 050212
						12	★ N.A.	MD 070194
	4D56	4	'86.6～'93.5	N-P05V, P15V, P25V, N-L09P, LD69P	12	12	PM-75	MD 050212
						12	★ N.A.	MD 070194
	4D56 T	4	'86.6～	N-P05W, P15W, P25W P-35W	6.2	12	CP-06	MD 092392
	4D56	4	'93.6～'94.3	L-039P	11	12	PM-164	MD 301950
	4D56	4	'93.6～	P05V, 15V, 25V, 45V	11	12	CP-07	MD 197511
	4D56 T	4	'93.6～'97.9	P05W, 15W, 25W, 35W PA5W, PB5W, PC5W PA5V, PB5V, PD5V P05T, P15T, P25T, L039G				
			'97.9～	KB-P05V, 05T, 15V, 25V KC-P15V, 15T, 25T ,45 KD-P05W, 25W, 35W KD-PA5W, PB5W, PC5W KD-PA5V, KC-PB5V, PD5V	11	12	PM-167	MD344469
	4M40T	4	'94.5～'96.4	KD-PE8W, PD8W, PF8W	11	12	CP-05	ME 201638 ME 200970
			'96.04～	KD-PE8W, PD8W, PF8W	11	12	PM-165	ME 201632 ME 203583 ME 203754
CANTER	4DQ	4	～'67	T720, T722	10.5	12	PM-62	30666-20309
	4DR1	4	'68～'70	T90, 92, 94	10.5	12	PM-63	31366-14300
	4DR5	4	'71～'82.8	T96, 98, 200, 210, 220 K-FE100, 120, K-FB100, 120				31366-14301 31366-14302
			'82.9～'85.9	K-FB100, 120				ME 077546
			'85.10～'98.10	K-FB300, K-FE300	11	12	PM-77	ME 007615

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
CANTER	4DR5	4	'73.12～'83.4	K-FB100, 120	22.5	24	PM-65	31366-14701 31366-02100 31666-02109 ME 007545
			'82.9～'85.9	K-FB100, 120	20.5	24	PM-74	ME 007547
	4DR51	4	'81.1～'83.4	K-FB100, 120	22.5	24	PM-65	31666-02109 ME 007545
			'83.5～	K-FB100, 120	20.5	24	PM-74	ME 007547
	4D30	4	'78～'83.4	K-FE111, 121, 211, 221, 231 N-FE101, 111, 121, 211	20.5	24	PM-73	ME 017010 ME 017013
			'83.5～'85.9	N-FE101, 111, 121, 211	24	24	PM-160	ME 017009
			'85.10～'93.10	N-FE301, 401, U-FE301, 311 U-FE321, 331	23	24	PM-78	ME 017057
	4DR7 GUTS	4	'90.1～	U-FB308B, 328BV U-FD378B	11	12	PM-162	ME 001581
	4D32	4	'90.1～	U-FE305, 315, 325 U-FE335, 425, 435	23	24	PM-163	ME 007649
	4D33	4	'90.1～'93.10	U-FE317, 337, 437, 447, 637				
	4D34 T	4	'89.10～93.10	U-FE439, 449				
	4D36	4	'95.1～	KC-FE507, 516, 517				
	4M40	4	'93.11～'94.9	FB501A, B FB511A, B	11	12	CP-05	ME 201638 ME 200970
			'94.9～	U-FB501, FB511, FD501 KC-FB501, FB511, FD501	11	12	PM-165	ME 201632 ME 203583 ME 203754
JUPITER	KE41, 61	4/6	'65～'67		9	12	PM-69	K417133-1
	KE65	6	'67～'70	T32, 43	21	24	PM-67	K657134-2
	6DR5	6	'71～	T44	23	24	PM-65	31666-02109 31366-14700 MM 401625
ROSA	4DR5	4	'70～'79	B10. 14, 16	10.5	12	PM-63	31366-14300 ME 007546 K967024
	6DR5	6	'73～'83.1	B360, 622, BH212	22.5	24	PM-65	31666-02109 31366-14700 MM 401625
	4D30	4	'79～'83.1	K-BE211	20.5	24	PM-73	ME 017010
			'83.2～	N-BE211	24	24	PM-160	ME 017009
	KE31	4	'70～'71	—	22.5	24	PM-68	K4171363
JEEP	4DR5	4	～'82.11	J24, 36, 44, 54 K-J24, 36, 44, 54	22.5	24	PM-65	31666-02109 31366-14700 MM 401625
	4DR51	4	'82.12～	J24, 36, 44, 54	20.5	24	PM-74	ME 007547
	4DR6	4	'86.10～	J53		24		ME 007664
STRADA	4D56 T	4	'91.5～'93.9	K34T,	6.2	12	CP-06	MD 092392
			'93.10～	K34T, K74T	11	12	CP-07	MD 197511
			'97.9～	KC-K74T	11	12	PM-167	MD344469
CHARANGER	4M40 T	4	'96.09～	KD-K97WG	11	12	PM-165	ME201632 ME-203583 ME203754

MITSUBISHI

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
PAJERO	4D55 4D55 T	4	'82.5~'82.11	N-L043G	12	12	PM-75	MD 050212
					6	12	PM-161	MD 014997
			'82.11~	N-L043G, GW, GV	12	12	PM-75	MD 050212
				N-L048GV, GW		12	★ N.A.	MD 070194
	4D56 4D56 T	4	'82.11~	N-L044G, GW, N-L049GV	12	12	PM-75	MD 050212
				Q-L144GW, Q-L149GW		12	★ N.A.	MD 070194
			'91.1~'93.6	V14V, V24C, V, W, WG	6.2	12	CP-06	MD 092392
				V34C, V, W, WG	6.2	12		
				V44W, V44WG				
			'93.7~	V24C, V24W, V24WG	11	12	CP-07	MD 197511
	4M40T	4	'93.7~'96.1	V26W, V26WG	11	12	CP-05	ME 201638
				KC-V46V, V46W, KD-V46WG				ME 200970
	4M41 DI	4	'99.9~	KH-V78W-LRHF KH-V78W-LYXF KH-V78W-LRUF KH-V68W-MRHF KH-V68W-MRUF KH-V68W-MYXF	11	12	PM-168	ME203539
RVR	4D68 T	4	'92.9~'93.7	N28W, N28WG	6.2	12	CP-06	MD 092392
			'93.8~	N28W, N28WG	11	12	CP-07	MD 197511
TRUCK DUMP TRUCK	6DR5	6	'72~'76	T44	22.5	24	PM-65	31666-02109 MM 401625
	6D10	6	'74~'79	T654, FK103	21	24	PM-66	ME 037002
	6D11	6	'74~'79	FM104				
	6DB1	6	'68~'77	T330, 480, K100, 150, 151 K200, 4K100, 120	22.5	24	PM-60	30866-04104 ME 021302
	6DB10A	6	'68~'72	T330, 335, 385, 388, 410, 482 K100				
	6DS1	6	'68~'72	T620, 622, 623, 625, 626, 650				
	6DS10A	6	'69~'70	T620, 622, 623, 625, 626				
	6DS3	6	'72~'76	T652, 653				
	6DS5	6	'70~'72	T630, 651	20.5	24	PM-71	30866-04709
	6DS7	6	'72~'80	T652, 653, 663, FK102 K-FK102				30866-04105 ME 020911
CEMENT MIXER TRACTOR TRAILER TANK TRUCK	6DC2	6	'68~'76	T800, 810, 900, FP101 F200 W81, 120, K201, 251, 300 W410	22.5	24	PM-61	31166-03101 31166-03104 ME 967559 ME 067459
	6DC20	6	'74~'76	K201, 302				
	6DC20A	6	'68~'76	T800, 810, 910				
	6DC20AF	6	'70~'71	T810				
	8DC2	8	'68~'76	T801, 811, 901, 911, 931 T951 FV112, W122, 150, 250 FV400 K301, 350, 351, 501, 701 K900, K1300				
	8DC2D	8	'69~'75	T911, 921, 931, 951, FU112				
	8DC2T	8	'69~'71	K900, 1300				
	8DC20	8	'73~'76	FT102, K201, 303, 351, 501				

年式	西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表	昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
TRAILER TANK TRUCK	8DC20A	8	'68～'69	T811, 951	22.5	24	PM-61	31166-03101 31166-03104 ME 967559 ME 067459
	8DC20WT	8	'71～'81	D200				
	8DC6	8	'70～'80	T812, 902, 912, 932, 952 T982, W150, K400				
	8DC6D	8	'74～'75	T902				
	10DC6	10	'72～'79	T813, 912, FP204, 214				
MOTOR FORKLIFT	4DQ50	4	'70～		22.5	24	PM-70	30666-51300 30666-51301
BUS	6D10	6	'74～'75	MK103	21	24	PM-66	ME 037002
	6D11	6	'75～'78	MM504				
	6DB1	6	'68～'78	B820, M(A)R410, 470, MR520	22.5	24	PM-60	30866-04104 ME 021302
	6DS1	6	'68～'71	MR620				
	6DS3	6	'73～'74	B622				
	6DS5	6	'70～'72	B620	20.5	24	PM-71	30866-04709 30866-04105 ME 020911
	6DS7	6	'72～'79	B623				
	6DC2	6	'68～'76	B800, 805	22.5	24	PM-61	31166-03101 31166-03104 ME 067459
	8DC2	8	'68～'76	B806, 905				
	10DC6	10	'74～'79	MS504				
	12DC2	12	'68～'74	B906				

MAZDA

PZ-30	PZ-31	PZ-32	PZ-33	PZ-34	PZ-35	PZ-36	PZ-37	PZ-38
MAZDA S2	MAZDA ZB.XA	MAZDA HA	MAZDA R2.RF.XA	MAZDA XC	MAZDA S2	MAZDA VS	MAZDA R2	MAZDA RF

PZ-39	PZ-701	PZ-702	PZ-703	PZ-704	CP-50	CP-60
MAZDA WL-T	MAZDA VS	MAZDA HA	MAZDA	MAZDA RFT	MAZDA 4EE1-T	MAZDA RF

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
FAMILIA	PN	4	'85.8～'94.8	N-BF7P, 7V Q-BF7P, BG7P S-BF7V X-BG7P, BW7W	6.2	12	CP-30	PN11-18-601
	4EE1-T	4	'94.10～	BHA7R, 7P	11	12	CP-50	Y701-18-601
	4EE1	4	'94.10～'99.6	KD-BHA7R, 7P	11	12	CP-50	Y701-18-601
	CD17	4	'94.8～'99.6	KA-BVSY10, BVSNY10	11	12	CP-01	1N01-18-601A
	CD20	4	'94.8～'99.6	KD-BWEY10, X-BWEY10	11	12	CP-02	1N02-18-601
			'97.5～'99.6	KA-BVEY10, BVENY10 KB-VEY10, BVENY10	11	12	CP-02	1N03-18-601
	RF	4	'98.6～	KE-BJEP	11	12	CP-60	RF1M-18-601
EUNOS CARGO	RF	4	'89.11～'93.8	S-SSF8VE, SEE8TE U-SSF8VE, Q-SSF8WE, SSE8RE	11	12	PZ-33	S501-18-140A
	RF	4	'89.11～'93.8	S-SS28ME, U-SE28ME	11	12	PZ-33	S501-18-140A
CAPELLA	RF	4	'83.9～	N-GCFP, Q-GDFP, N-GDFP	10.5	12	PZ-33	S501-18-140A S201-18-140
			'92.9～	KB-GVFV, GVFW, GVFR	11	12	PZ-38	RFG1-18-601
			'87.7～'92.7	N-GDFP, Q-GDFI, GDFP	12	12	PZ-35	S210-18-140
	RFT	4	'98.7～	KD-GFFP	11	12	PZ-704	RF2A-18-601
CAPELLA WAGON / CARGO	RF	4	'87.7～'92.7	N-GDFP, Q-GDFJ, GDFP	12	12	PZ-35	S210-18-140
	RFT	4	'98.7～	KD-GFFP	11	12	PZ-704	RF2A-18-601
LUCE	S2	4	'80.9～'81.9	K-LA4SS	12	12	PZ-30	1353-18-140 1353-18-140A
			'83.10～'86.9	N-HBPS2	12	12	PZ-35	S210-18-140
COSMO	S2	4	～'83.10	N-HBPS2	12	12	PZ-35	S2109-18-140
BONGO	S2	4	'79.10～'80.12	K-BA2S8, 8V, K-BA2S9, 9V	12	12	PZ-30	1353-18-140 1353-18-140A
			'81.1～	K-BA2S8, 8H, 8V K-BA2S9, 9V N-BA2S8, 9				
			'86.11～'87.8	N-SS28M	10.5	12	PZ-33	S501-18-140A
	RF	4	'83.6～'93.8	N-SRF9W, SEF8T, SSF8V, 8W S-SSF8V, SEF8T, U-SSF8V Q-SRF9W, SSF8W	10.5	12	PZ-33	S501-18-140A
	R2	4	'83.6～'93.8	N-SR2AM, 2AV, 29V N-SD29M, 29T, 2AT, N-SS28M, N-SE28M, U-SR2AM, 2AV, 29V, U-SD29M, 29T, 2AM, 2AT, U-SE28M, S-SD29T, S-SS28M, Q-SS28R	11	12	PZ-33	S501-18-140A
		4	'93.8～'96.9	U-SR2AM, 2AV, 29V U-SD29M, 29T, 2AM, 2AT U-SS28V, U-SE28M, KB-SS28M, 28V, KB-SE28T KC-SE28M, SS28V	11	12	PZ-37	RFJ5-18-601
			'96.9～'99.6	KB-SS28M, SS28V, SE28T, KC-SS28H, SE28M	11	12	PZ-36	R2L2-18-601
			'95.8～'97.5	KC-SR2AM, 2AV, 29V KC-SD2AM, 2AT, 29M, 29T	11	12	PZ-37	RFJ5-18-601
			'97.5～'99.6	KC-SD2AM, 2AT, 29M, KB-SD29T	11	12	PZ-36	R2L2-18-601

MAZDA

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
BONGO	R2	4	'99.6~	KF-SK22V, 22T, 22L KJ-SK22V, 22T KG-SK22V, 22M, 22L KG-SK24T, 26T, 24L, 26L	11	12	CP-60	RF1M-18-601
	VS	4	'92.2~'97.5	U-SRS9V, SRSAV KC-SRS9V, SRSAV	11	12	PZ-36	VS01-18-601
			'94.9~	SRF9W	11	12	PZ-702	RFP1-18-601
	RF.T	4	'93.8~'95.9	Y-SRF9W, SSF8R, 8W S-SSF8V	12	12	PZ-37	RFJ5-18-601
		4	'87.8~'93.8	Q-SRF9W, Q-SSF8R, 8W	10.5	12	PZ-33	S501-18-140A
		4	'95.9~'99.6	KD-SSF8R, 8W	11	12	PZ-702	RFP1-18-601
	RF iT	4	'93.8~'95.9	Y-SRF9W, Y-SSF8R, 8W S-SSF8V	11	12	PZ-702	RFP1-18-601
	WL	4	'97.5~'99.6	KC-SD5AM, 5AT, 59M, 59T KC-SR59V, 5AM, 5AV	11	12	CP-60	RFP1-18-601
			'99.6~	KG—SK54V, 56V, 5HV, 56M, 5HM KG-SK54T, 56T, 54L, 56L	11	12	CP-60	RFP1-18-601
BONGO FRIENDEE	WL-T	4	'97.11~'99.9	KD-SGL3, L5, LW, LR	11	12	PZ-39	WL03-18-601
			'99.9~	KH-SGL3, L5, LW,LR	11	12	CP-60	RF1M-18-601
BONGO BROUNIE	WL-T	4	'95.5~	KC-SD5AT, SR5A, SD59T KC-SD59M, SD2AT	11	12	PZ-39	WL03-18-601
M.P.V	WL-T	4	'95.10~'99.6	KD-LVLW, LVLR				
PROCEED MARVIE	WL-T	4	'96.3~	UVL6R	11	12	PZ-39	WL03-18-601
PROCEED LEVANTE	RF	4	'95.02 ~	KD-TF31W	11	12	PZ-38	RFG1-18-601
TITAN	XA	4	'84.10~	K-WEW051, N-WE5AT	10.5	12	PZ-33	S501-18-140A
				K-WG5AT	23	24	PZ-31	SE01-18-140A
	HA	4	'77~'79	TA3H1 (#124525~) TA3H4 (#109813~) EXR15 (#37233~)	24	24	PZ-32	1354-18-140A
			'80.10~	K-WEW0F1, K-WEX0F1 K-WEY0F1, 0F2 N-WEFAT, N-WEFAD N-WEFAF N-WEF4C, N-WEF4T	23	24	PZ-31	SE01-18-140A
			'92.1~'95.5	U-WGFAT	24	24	PZ-701	SEM1-18-601
	XC	4	'76.4~	TA2X4, TA2XD	10.5	12	PZ-34	4869-18-140A
					22.5	24	PM-60	1304-18-140
	ZB	6	'84.1~'87.3	N-WE11, 11T, 14L, 14T, 17T	23	24	PZ-31	SE01-18-140A
	VS	4	'95.6~	KC-WGSAT	24	24	PZ-701	SEM1-18-601
	4HF1	4	'95.6~	KC-WG3AT, WG34T, WG31T KC-WGJ4T, WG3AM KC-WG3AD, WG3AN	23	24	PI-50	YJ01-18-601 YJ02-18-601
	4HG1	4	'95.6~	KC-WG64T, WG64H, WG67T KC-WG61T, WG61H, WG67H KC-WG6AD, WG6AK KC-WG61D, WG61K				
BOXER	ZC	4	'74.11~	EZC14, 25, 55, 75	22.5	24	PM-60	1304-18-140
PARKWAY	HA	4	'80.10~	K-WVLSF	23	24	PZ-31	SE01-18-140A

MAZDA

年式	西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表	昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
TERSTAR	R2	4	'83~	N-GCFPF	10.5	12	PZ-33	S501-18-140A
	RF	4	'92.4~	X-GEFPF, Y-GEFPF	11	12	PZ-38	RFG1-18-601
TERSTAR WAGON	RFT	4	'98.7~	KD-GWFWF	11	12	PZ-704	RF2A-18-601
SPECTRON	RF	4	'83~	N-SSD8WF	10.5	12	PZ-33	S501-18-140A
	R2	4	'93.8~	Y-SSF8W, SSF8R, SRF9W	12	12	PZ-37	RFJ5-18-601
J80	RF	4	'83~	N-SSF8VF	10.5	12	PZ-33	S501-18-140A
CRONOS	RF	4	'92.3~	X-GEFP, Y-GEFP	11	12	PZ-38	RFG1-18-601
MS-6	RF	4	'93.3~	Y-GEFP				

HONDA

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
JAZZ	4JG2	4	'93.10~	UCS69DWH	11	12	PI-59	ZA8-9704-4037
HORIZON	4JG2	4	'94.2~	UBS69GWH	11	12		
ACCORD	20TD	4	'96.4~	TCI-E	11	12	B-085	12291-P5T-G00 100-226-184
CIVIC	1.7CTDi	4			11	12	CP-51	12291-PLZ-D00 (CZ-22)

HINO

PH-20	PH-21	PH-22	PH-25	PH-26
HINO DS.DK.EB	HINO EC.EH.EB	HINO HO7C.HO6C	HINO EM-100	HINO JO5C

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
RANGER	DM100	6	'63～	KM300, RM100	0.95	24	N.A.	19120-1010A 6051-330602
			'69～	KM300, 310, 320, 330 KM340, 350	19	24	PH-21	6301330010 19110-1040A
	EC100	6	'69～	K-FD124 KL300, 321, 340, 350, 360 KL380, WB310				
	DQ100	6	'63～	KQ	0.95	24	N.A.	19120-1010A 6051-330602
			'71～	KM500, 510, 520, 540 K-KM510, 520, 540 KQ320, 500, 520, 540, 560	19	24	PH-21	6301330010 19110-1040A
	EH100	6	'72～	KJ500, KL500, 520, 540 KL550, 560 K-KL500, 520, 560, KR300 K-KR320, 360 K-WB321 KU590, WB311, 321				
	EH300	6	'74～	KJ501, KL501, 521, 541 KL561, 581 KR301, 321, 361, KU581				
	DG	4	'78～	HV23, 25, K-HV23, 25	8.5	12	PH-104	1985A56022
	B	4	'78～'82	HV10, 11, K-HV10, 11, 12, 17	19	24	PT-94	1985A56010
			'83～	N-HV10, 11, 12, 13 ,15, 99	14	24	PT-141	1985A68060
	3B	4	'79～'82	K-HV48	20.5	24	PT-101	1985A56012
			'83～	N-HV40, 42, 47, 48	14	24	PT-141	1985A68060
	W04D	4	'83～	P-KM545	14	24	PH-23	19110-1081A 19110-1130A
			'84～	P-FB112, FC112				
			'84～	P-FC142	23	24	PH-22	19110-1140A
	W04C	4	'87～'91	FA/FB14	10.5	12	PH-25	19110-1160
	W04C-TH	4	'92～	FA/FB15				
	W06E	6	'86～'87	FD/FE16				
	H07C	6	'84～'91	FD17, GC17, SF17 FE/FF17				
	H06C	6	'84～'91	FE/FF/FG19, SG19				
	H06C-TN	6	'92～	FE/FD/FF20, GC20, SG20				
	EM100	6	'84～'86	FG22, SG22				
	H06C-TH	6	'87～'91	SG23,				
	H06C-TM	6	'92～	FF23, SG23				
	H06C-TP	6	'93～'97	FD2218, FE2618, FF3018 FD5H, FE5H, FF5H				
	H06C-TN	6	'93～'97	FF3020, SG3320 FF4H, SG4H				
	H06C-TM	6	'93～'97	SG3323, SG5523 SG1H, SG1HD				
	J05C	6	'95～	KC-FB4	23	24	PH-26	19110-1220

HINO

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
TRUCK DUMP TRUCK CEMENT MIXER TRACTOR TRAILER TANK TRUCK	DS50	6	'70～'71	ZH21	22.5	24	PH-20	6054330901 19110-1051
	DS70	6	'70～'73	HC320, TE100, 120				
	DK10	6	'70～'72	HE301, HH700, KA311 KF701, 711, 721 TC301, 311, 321, 720, 740 ZM701, 711, ZP100				
	DK20	6	'71～'76	BG100				
	EB100	6	'70～	KB111, 121, 301, 311 KB321, 341, 361 KB381, 501 ZQ501, ZR100, ZS100, ZT100				
	EB300	6	'71～	HE320 KB112, 113, 122, 302 KB303, 304, 312 KB313, 314, 322, 324 KB342, 344, 362 KB364, 382, 384, 394 KB720, 721 K-KB304, 314, 324, 344 K-KB364, 384, 394 K-KB721, 980, KH120 K-ZH100, K-ZR250 ZT300, 320, K-ZT320	19	24	PH-21	6301330010 19110-1040A
	EC100	6	'70～'76	HL300, KJ300				
	EH100	6	'73～'76	HL500, KJ500, KU580, 590				
	EH300	6	'74	KJ501, KU581, 591				
	H07C H06C	6	'85～	P-FD160, 170	23	24	PH-22	19110-1140A
RAINBOW BUS	DS60	6	'70～'73	BT100	22.5	24	PH-20	6054330901 19110-1050
	DS70	6	'70～'73	RD100, 120				
	DS140	12	'70～	RA900				
	DK20	6	'70～'78	RC320				
	DM100	6	'70～'76	BM320	19	24	PH-21	6301330010 19110-1040A
	EC100	6	'70～'79	AM100, RL100				
	EB200	6	'70～	RE100, 120, 140				
	EH300	6	'75～	RD300, RL300, 320				
	EB400	6	'77～	RE1014, 161, K-RE121				
	EH100	6	'88～	A-AM101				
	J05C	6	'95～	KC-RX4, KC-RH4	23	24	PH-26	19110-1220
DUTORO	S05C	4	'99.5～	KK-XZU347	23	24	PH-26	19110-1220 067100-1830
	S05D	4	'99.5～	KK-XZU306, -XZU321 KK-XZU411, -XZU301				
	J05C	4	'99.5～	KK-XZU420				

年式	西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表	昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

PD-95	PD-99	PD-190	PD-191	PD-192
DAIHATSU D300	DAIHATSU DV26L DG	DAIHATSU CL.DL	DAIHATSU CL50.51	DAIHATSU CL70

DAIHATSU

CAR NAME	ENGINE	CYL	YEAR	MODEL	P.V.	B.V.	HKT NO.	REFERENCE NO.
CHARADE	CL10	3	'83.1~	N-G30, 30V	7	12	PD-190	19850-87701
	CL30	3	'87.1~	Q-G101S (MANUAL TM)	11	12	PD-192	19850-87703
	CL50	3	'84.9~	N-G30(MT)	7	12	PD-190	19850-87701
	TURBO		'86.2~	N-30G (AUTOMATIC TM)	11	12	PD-191	19850-87702
	CL51 T	3	'87.1~	N-G101S (AT)				
	CL70	3	'89.2~	Q-G101 (MT)	11	12	PD-192	19850-87703
				Q-G101 (AT)	11	12	PD-191	19850-87702
	CL70 T	3	'87.1~	Q-G101S (MT)	11	12	PD-192	19850-87703
DELTA	DG	4	~'71	DV24(D200), DV32(D300)	8	12	PD-95	067100-1100 992-5113-2381-90
			'72~'77.7	DV26, SV18, 26	8	12	PD-99	19850-87303
			'77.8~'83.2	V20, 23, 24, 25, 26 K-V20, 23, 24, 25, 26	8.5	12	PT-104	19850-87309
	DL	4	'83.2~'95.4	N-V54, 56, 57	7	12	PD-190	19850-87701
	B	4	'72~'77.7	DV28	19	24	PT-94	19850-56010
			'77.8~'80.9	V10, 11, 12 K-V10, 11, 12, 17, 18	20.5	24	PT-101	19850-56012
			'80.9~'88.7	N-V10, 12, 13, 15, 98, 98D, 99	14	24	PT-141	19850-68060
			'88.8~'95.4	N-V98, V98D, V99	23	24	PT-153	19850-58010
	3B	4	'80~'83.2	K-V48	20.5	24	PT-101	19850-56012
			'83.2~'84.7	N-V40, 42, 47, 48	10.5	12	PT-145	19850-68010
			'95.5~	KC-BU100N, 105N	23	24	PT-153	19850-58010
	13B	4	'84.9~'88.8	P-V75, 76, 78, 79	14	24	PT-141	19850-68060
	14B	4	'88.8~'95.4	U-V115, 116, 118, 119	23	24	PT-153	19850-58010
	2C	4	'88.8~	S-CB72V	11	12	PD-191	19850-87702
	2C-T	4	'88.8~	Q-CB21G	7	12	PD-190	19850-87701
	J05C	4	'99.5~	KK-XZU300P・310J・320J・330N KK-XZU340N・350P・400J/N KK-XZU410N・420N・421N・430N	23	24	PH-26	19850-89101 067100-1830
	S05C		'99.5~	KK-XZU302J/N/P/U・307N/Z KK-XZU312U・322N/U・337N KK-XZU347N・352U・362J/N/U KK-XZU372N・382N・402N・412N				
	S05D			KK-XZU301J/P/U・306N・311J/U KK-XZU321J/U・331N・341N KK-XZU346N・351U・371N・411N				
DELTA WIDE	1C	4	'83.5~'87.8	N-CB26V	7	12	PD-190	19850-87701
			'87.8~'88.8	S-CB26V	11	12	PT-150	19850-64020
	2C	4	'83.5~'85.8	N-CB21G	7	12	PD-190	19850-87701
			'88.8~'95.8	S-CB27V, KB-CB27V	11	12	PT-150	19850-64020
			'95.8~'96.11	KB-CB27V	11	12	PT-154	19850-64050
	2C-T	4	'85.8~'87.8	N-CB21G	7	12	PD-190	19850-87701
			'87.8~'95.8	N-CB21G, Q-CB21G	11	12	PT-150	19850-64020
	3C-T	4	'93.9~ '96.11	Y-CB22G, KD-CB22G, 31G	11	12	CP-22	19850-67030
TAFT	DG	4	'78.8~'82.11	F50, K-F50	8.5	12	PT-104	19850-87309
	DL	4	'82.12~'84.4	N-F60	7	12	PD-190	19850-87701
RUGGER	DL DL50	4	'84.5~	N-F70V, MD, D N-F70, 70V, 75V, F75V, MBGT				
BUS	DG	4	'70~'73	SV37	8	12	PD-99	19850-87303

KOMATSU-CATERPILLAR

年式	西暦	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
対照表	昭和・平成	62	63	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

PK-96	PK-98	PK-111	PK-112	PK-115	PK-117
KOMATSU D50	CATERPILLAR 1P-7324	CATERPILLAR 4N-360	CATERPILLAR 1P-7912	CATERPILLAR 4D105	CATERPILLAR 9N-0194

MAKER	MODEL	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
KOMATSU	4D130, D50	bulldozer power shovel	22.5	24	PK-96	6110-13-2511
	4D105		20.5	24	PK-115	6008-15-1340
	4D92		22.5	24	PK-116	6008-15-2320
CATERPILLAR	3304,3300,340		24	24	PK-98	3S9624X
						IP-7324
	3204		24	24	PK-111	4N-360
	3304,3300,340		12	12	PK-112	1P-7912
	3204		12	12	PK-117	9N-0194

GLOW PLUGS FOR INDUSTRIAL DIESEL ENGINES

PS-201	PS-202	PS-203	PS-204	PS-205	PS-206
KUBOTA	KUBOTA	I.H.I	KUBOTA	I.H.I	KUBOTA
PS-207	**PS-208**	**PS-209**	**PS-210**	**PS-215**	
KUBOTA	KUBOTA	KUBOTA	YANMAR		

GLOW PLUGS FOR INDUSTRIAL DIESEL ENGINES

■KUBOTA

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
TRACTOR	A15, A17, A19 A155, A175, A195	3	D905, 1005, 1105 D905-H, 1005-H, 1105-H	11	12	PS-207	16241-6551-2 16261-6551-1
	GT-3, GT-5, GT-8	4	V1405-L, 1505-L, 1505				
	B5001, B-10	2	Z500-1	10.5	12	PS-201	15951-6551-2
	B1200, B1400 B1402(DT) B1500, B1502(DT) B1600, B1702, B1902 B8200, XB-1	3	D750-L,750LD-1,850L,850M D950				
	B7000	2	Z650,750,751,751A,851	10.5	12	PS-204	15221-6551-3
	L175, L185, L225 L245, L285, L295 L305, L345, L1500 L1501, L1801, L2000	3	D1100,1101,1101A,1301 D1301A, DH1101				
	L2200, L2201, L2600 L2601, L3001	4	V1500, 1500A, 1501A 1501DA				
	M4000, M4500	6	S2200, 2600, 2600A				
	B1902(DT) L275, L1802, L2002 L2202, L2402, L2602 L2802, L3202, L3602	3	D1102,1302,1302-A,1402 D1402L	10.5	12	PS-202	15521-6551-2
	L4002, L4202(DT)	4	V1502, 1902, VT1502				
	L4212, M4950	6	S2800				
	L1-18, 20, 22, 24 L1-185,205,225,245	3	D1302DI, D1402-DI D1462-DI-L, D1462DI	10.5	12	PS-209	17331-6551-1
	L1-26, 28, 33, 43, 265 L1-285	4	V1512-DI-L, D1512-DI V1512-DI-T				
	L1-38, 45	5	F2202-DI, 2802-DI				
	M4030, M5030 M4830, M4930	6	S2602-DI, 2802-DI	10.5	12	PS-209	17331-6551-1
	X-20D, X-24D	4	V1305, V1405	11	12	PS-207	1694-6551-2
	GL-19, 21	3	D1403	11	12	PS-208	19077-6551-1
	GL-23, 25	3	D1463				
	GL-27, 29, 32	3	D1503				
COMBINE	R1-18, 20, 22, 24 R1-191, 201, 241	3	D-905-C,1005-C/C-1/C-2/LC D1105-C/C-1	11	12	PS-207	16241-6551-2 16261-6551-1
	R1-30, 35, 40, 261	4	V1305-C,1405-HC,1505-C				
	NX1000, 1600, 2000	1	E75-C2	10.5	12	PS-201	15951-6551-2
	NX2200 RX145AGU, 155AGU RX185AG	2	ZB400, 400C, 400-C2 400-C3 Z600C, 600-C1, 620C				
	RX550, 750, 900, 950 RX1100, 1450, 1500 RX1550, 1900, 1950 RX2100, 2450, 2750	3	D-600C, D640-C, 750, 750-C D-850-C2, 850-C3, 950-C				
	RX2150, 1250	4	V1200-C, V1200C-1				
	RX700	1	E75C				
	NX3000-1, RX2800	3	DH1402-C	10.5	12	PS-202	15521-6551-2
	RX3600, X3000-A	4	V1502				

GLOW PLUGS FOR INDUSTRIAL DIESEL ENGINES

■KUBOTA

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
COMBINE	HT900, 2200	2	Z650C	10.5	12	PS-204	15521-6551-3
	NX3000	3	D1101, 1301				
	RX3250	3	D1462DI-C	10.5	12	PS-209	17331-6551-1
	RX3650	4	V1512-DI-L				
LAWN MOWER	AMX-3	3	D950	10.5	12	PS-201	15951-6551-2
	AMX-5	4	V1305-AMX	11	12	PS-207	16241-6551-2
CONSTRUCTION MACHINERY	AR20, RX201 KX-014, 021, 024	3	D1105-BH/BHG/BHG-SR	11	12	PS-207	16241-6551-2 16261-6551-1
	AR30,RA300,400,RX301 KX-026, 027, 030	4	V1305-RP, 1505-RP V1505-BH/BHG/BH-SR				
	CR2100, CR2500 CR2700, KH-8 RC-8FD, RC-15FD RC-20, RC-25	3	D750K1			N.A.	15261-6551-3
		2	Z500K1, ZB500C-1K ZB600C-1K				
	KH-5, KH-8H-2 KH-18-2 KH-31, 35, 50 KH-012, KH-014	3	D850, 850BH, 950, 950BH-1	10.5	12	PS-201	15951-6551-2
		2	Z600K1, 600KW-3, 620KW				
	KH-1, KH-10, KH-14 KH-15, KH-18 KD-15, RW-25	3	D1100BH, 1301	10.5	12	PS-204	15221-6551-3
		6	S2200				
		4	V1500BDW				
		2	Z751BD				
	KH-11H, KH-12FD KH-20, 60, 70, 90 KH-030TS	3	D1302, 1302-BH-2, 1402-BH-3	10.5	12	PS-202	15521-6551-2
		4	VT1502, V1702BH-2				
	KH-130, KH-033	4	VT1902-BH-2, V1902-BH-3			N.A.	15806-6551-2
GENERATOR		2	Z500			N.A.	15261-6551-3
		3	D750-L, 850-L, 950B, 950C	10.5	12	PS-201	15951-6551-2
		2	Z600C				
		2	ZL600			N.A.	15231-6551-2
		4	V400			N.A.	15451-6551-1
MARINE		4	OMH1700	10.5	12	PS-204	15221-6551-3
		6	OMH2600				
UNIVERSAL		1	OC52, 62, 80, 95	11	12	PS-207	16241-6551-2 16261-6551-1
		3	D905, 1005, 1105				
		4	V1205/-T,V1305,1405,1505				
		4	V1505-T			N.A.	16292-6551-1
		2	ZB500C-1, 600C-1			N.A.	15261-6551-3
		1	E75-NB2, EA300-NB1	10.5	12	PS-201	15951-6551-2
		2	ZB400B				
		3	DH850-B				
		1	ER1200-NB, 1400-NB	10.5	12	PS-202	15521-6551-2
		2	ZB14-NB,16-NB,18-NB,20-NB				
		3	D11022-BC, DH1302-BBS D1402-BC				
		4	V1502-B, BC V1702-BB, BBS, BC				
		2	Z851-B			N.A.	15204-6551-1
		2	Z482	11	12	PS-206	16851-6551-2
		3	D1900, L35			N.A.	15109-6509-1
		3	D662, 722	11	12	PS-206	16851-6551-2

GLOW PLUGS FOR INDUSTRIAL DIESEL ENGINES

■YANMAR

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
MARINE		4	4JM-TZ/TZ-A/AM, 4JMZ 4JMZ-A/AM, 4JME	10.5	12	PS-201	129795-77800
GENERATOR		3	3TN63L-USW,3TN66L-UDW 3TN66E-UGB2/UK 3TNA68L-USW/USW3 3TNA68L-USWD/USW2	10.5	12	PS-201	129795-77800
			3TN66L-UGH/UGCD	10.0	12	PS-210	129155-77801
CONSTRUCTION MACHINERY			3TNA68L-U 3TNA72L-U 3TN63L-U 3TN66L-U, 3TN72E	10.5	12	PS-201	129795-77800
			3TN75(U), 80U, 3TNA72(L) 3TNB80(U), 82U, 84U			N.A.	129155-77800
		4	4TNA78U				
	B-08, B-12, B-17 Vio15, Vio20	3	3TNA72L-UBA/UBB 3TN66L-UB 3TNE68L-UBA/UBB	10.0	12	PS-210	129155-77801
	B2X-1	3	3TNA72L-U2BX	10.5	12	PS-201	129795-77800
	V1-1	3	3TN66L-UKB	10.0	12	PS-210	129155-77801
TRACTOR	Ke-2, Ke-3 Ke-2A, Ke-3A, Ke-4A	3	3TNA68-UNK,3TN66-U/UNK 3TN68-UNK, 3TN72-UNK	10.0	12	PS-210	129155-77801
	AF-15, 16, 17, 18	3	3TNA72-UIA, 3TNE74-UIA				
	F5, 6, 7(D)	3	3TNA72, 3TN75				
	F13, 14, 15, 16 F(X)17	3	3TNA70UK, 3TNA70UN 3TNA72UN, 3TNA75UN 3TNA75UN				
	F17, 18, 20, 22, 24(D) FX16, 17, 18, 20, 22(D) FX24(D) FF205, 225, 245 F(X)195, 215, 235(D)	3	3TN75-UA, UB 3TN80-U, 3TN82-U 3TN84-UA, UB 3TNB80U, 82U				
	FX26, 28, 32, 42(D)	4	4TN78-UM, UP, UQ				
		3	3TNA72			N.A.	129155-77800
COMBINE		2	2H66R-C/CA				
		3	3TN75U, 3TNA72-UJ 3TN66/E			N.A.	129155-77800
	CA15	3	3TNA68U	10.0	12	PS-210	129155-77801
	CA17, 19, 21	3	3T70B-NAC, 3T70B-NBC 3T72H-NAC, 3T75U-NAC			N.A.	121476-77800
	CA15G CA17G, 17DT CA19G, 19DT CA21G, 21DT	3	3TNA68U-C 3TNA72-UBC 3TNA72-UBC 3TNA75-RAC	10.0	12	PS-210	129155-77801
	CA125, 140, 160 CA180, 190	3	3TN63-U1C 3TN66-U1C 3TNA68-U1C 3TNA72-U1C/U2C				
	CA11R, 15G, 17DG CA19DG, 21DG 185(P) (GP) (H) (GH) 200(H) (GH)	3	3TN63U-NC, 3TN68U-C 3TNA72-UBC, 3TNA72-UAC 3TN75-RAC 3TNA72-BC(BIC), 3TNA72U				

GLOW PLUGS FOR INDUSTRIAL DIESEL ENGINES

■NISSAN

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
FORKLIFT	NSF01(M) 10,14,15,18 SF01A(M) 10,14,15,18	3	SD15	9.5	12	PN-86	11065-Y1402/4
	NSF02A(M) 20T, 25T	3	SD15T				
	EF02A(M) 20, 25 ,30	4	SD25				
	NVH01A(M)10,14,15,18 VH01A(M)10,14,15,18	3	SD15	10.5	12	PN-128	11065-T8202
	NVH02(M) 20, 23, 25	3	SD15T				
	FD104, 105 QF1A(M) 10, 14, 15, 18 QF02A(M) 20, 25, 30	4	SD22	10.5	12	PN-81 (~'80)	11065-37507/6
				9.5	12	PN-86 ('81~)	11065-Y1402/4
	EF02A(M) 20, 25, 30	4	SD25	9.5	12	PN-86	11065-Y1402/4
				10.5	12	PN-128	11065-T8202
	EH01A(M) 10,14,15,18 EH02A(M,F) 20, 23, 25 EGH02A(M,F) 28, 32	4	SD25	10.5	12	PN-128	11065-T8202
				23.0	24	PN-124	11065-T8203
	FD005, 006, 007 YGF03M40T	6	SD33T	20.5	24	PN-88	11065-T34001/1
				23.0	24	PN-124	11065-T8203
	F03 SERIES 3.5 4.0T	6	SD33	24.0	24	PN-131	11065-C8600
	F05 SERIES 5.0 6.0T	6	SD33T	23.0	24	PN-124	11065-T8203
			TD42	24.0	24	PN-136	11065-10T01

■NISSAN DIESEL

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
UNIVERSAL		3	SD15, 16	10.5	12	PN-81	11065-37507/6
		4	SD22, 25				
		6	SD33				
		3	SD16	11.0	12	PN-87	11065-31W00
		4	SD22, 25				

■ISUZU

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
UNIVERSAL		2	2KA1, 2KB1, 2KC1	10.5	12	PI-42	9-82511978-0
		3	3KA1, 3KB1, 3KC1				
		2	2AA1, 2AB1, 2AE1				
		3	3AA1, 3AB1, 3AD1 3AE1, 3AF1, 3AG1				
		4	C190, 201, 221, 240	10.5	12	PI-42	9-82511978-0
			4BA1	20.5	24	PI-43	9-82513959-0
		6	D500	10.5	12	PI-42	9-82511978-0
				20.5	24	PI-43	9-82513959-0
		4	4FA1, FB1	10.5	12	PI-42	9-82511978-0
				5.0	12	PI-46	8-91255588-0
		4	4BB1, 4BC2, 4BD1	20.5	24	PI-44	9-82513928-2
		4	DA120, 220	22.5	24	PI-40	9-82511994-0
		6	DA640, DH100				9-82511945-0

GLOW PLUGS FOR INDUSTRIAL DIESEL ENGINES

■MITSUBISHI HEAVY IND（MHI）

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
FORKLIFT	FD30	4	4DR5	10.5	12	PM-63	K9670240 31366-14300/1
	2FD30	4	4DR1	22.5	24	PM-65	MM401625 31666-02109 31666-14700
	FD28, FD35A	4	S4S	10.5	12	PM-79	32A66-03100
	FD150	6	6DB1	20.5	24	PM-71	MM020911 30866-04104 30866-04105
	FD150T	6	6D11	21.0	24	PM-66	ME037002
UNIVERSAL		4	KE250	10.5	12	PM-63	K9670240 31366-14300/1
		4	KE250, 270	22.5	24	PM-65	MM105560 31666-12109 31666-14700
		2	K2AS, K2C, KE70, 75	10.5	12	PM-79	MM409510 3066-57300
		3	K3				
		4	K4, KE150				
		4	KE31	10.5	12	PM-64	K4171313
		6	KE65	21.0	24	PM-67	K6571342

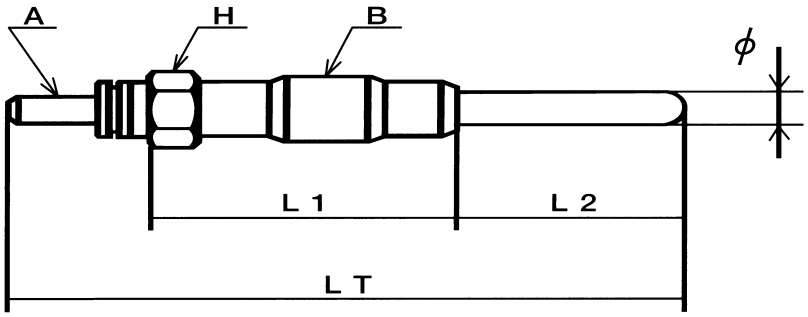
■HINO

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
UNIVERSAL		6	EB100, DK10, 10T DS50, 70	22.5	24	PH-20	6054-330901
		6	DM100, EB300 EC100, EH100	19.0	24	PH-21	6301-330010/1 19110-1040

■KOMATSU

MODEL		CYLINDER	ENGINE	P.V.	B.V.	HKT NO.	REFERENCE NO.
FORKLIFT		4	4D95S	11.0	12	PD-191	600-815-2760
	FD20, FD30	4	4D95S		12	N.A.	600-815-2761
BULLDOZER GENERATOR		4	4D95		12	N.A.	600-815-2761
		4	4D120		24	N.A.	600-815-2650
		4	4D130		24	N.A.	600-815-2660

GLOW PLUG Dimensions



品　番	L1 mm	L2 mm	LT mm	A mm	H mm	B mm	ϕ mm	voltage
PS-200	33.5	17.5	72.0	M4	12	10×1.25	5	12.5
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
PS-218	111.0	25.0	158.0	M4	14	12×1.25	5	10.5
PS-219	34.0	19.5	69.0	M4	10	8×1.0	4	12
PS-220	74.0	21.5	112.0	M4	12	10×1.25	5	11
PS-221	36.0	25.0	77.0	M4	12	10×1.25	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-23	111.0	28.0	160.0	M4	10	10×1.25	3.5	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-53	109.0	30.5	161.0	ϕ4	12	10×1.25	3.5	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
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

GLOW PLUG Dimensions

品　番	L1 mm	L2 mm	LT mm	A mm	H mm	B mm	ϕ mm	voltage
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
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
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-708	51.0	17.5	85.0	M4	12	10×1.25	5	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
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
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	5.0	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	12.0	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

GLOW PLUG Dimensions

品 番	L1 mm	L2 mm	LT mm	A mm	H mm	B mm	ϕ mm	voltage
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
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-169	100.0	27.0	148.5	21.5	7.5	8×1.25	4.0	11.5
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
PN-120	39.0	19.0	75.0	M4	12	10×1.25	5.1	23
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
PT-90	49.0	20.0	91.0	M4	17	14×1.25	5	8

GLOW PLUG Dimensions

品　番	L1 mm	L2 mm	LT mm	A mm	H mm	B mm	ϕ mm	voltage
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
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-159	103.0	36.0	159.0	M4	10	10×1.25	5	11
PT-500	111.0	28.0	160.0	M4	10	10×1.25	3.5	11
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
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
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
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
B-110	60.0	29.5	111.5	M4	14.5	10×1.0	5	11
B-120	105.0	31.0	153.5	M4	12	10×1.25	3.5	11
B-121	105.0	24.0	150.5	ϕ4.0	10	10×1.25	3.5	11

CROSS REFERENCE LIST

HKT NO.	NGK NO.	ND NO.	EIKO NO.	VOLTAGE	TYPE	REFERENCE NO.
TOYOTA						
PT-90	Y-402-2	067100-1042	GT201	8.0		19850-46020 19850-46021
91	Y-452-1			19.0		19850-46031
92		067100-1140	GT209	19.0		19850-76020
93	Y-128	107100-1130	GT203	8.0		19850-56020
94	Y-178	067100-1120	GT204	19.0		19850-56010
100	Y-128T	067100-1171 067100-1175	GT208	8.5	QT	19850-56021 19850-56022
101	Y-178T	067100-1161	GT207	20.5	QT	19850-56012
102		067100-1190 067100-1250	GT206	21.0		19850-77010 19850-77011
103	Y-118T	067100-1270	GT205	11.0	QT	19850-54030
104	Y-128T	067100-1350	GT208	8.5	QT	19850-68030
105		067100-1280	GT210	23.0	QT	19850-54040
106		067100-1210		11.0	QT	19850-54010
107	Y-146R	067100-1430	GT212	7.0	QGS	19850-64010
108	Y-197T	067100-1340	GT213	23.0	QT	19850-68020
109	Y-178T	067100-1360		20.5	QT	19850-68040
140	Y-118R	067100-1370	GT216	7.0	QGS	19850-54050
141	Y-197R	067100-1460	GT217	14.0	QGS	19850-68060
142	Y-168R	067100-1380		16.0	QGS	19850-54060
144	Y-118T-1	067100-1630	GT215	11.0	QT	19850-54031
145	Y-147T	067100-1330		10.5	QT	19850-68010
146		067100-1450	GT214	6.0	QGS	19850-68050
147		067100-1500		6.0	QGS	19850-54070 19850-54071
148		067100-1540		14.0	QGS	19850-78010
149		067100-1220		23.0	QT	19850-54020
150	Y-703R	067100-1690	GT-223	11.0	SQT	19850-64020
151	Y-715R	067100-1710	GT-221	11.0	SQT	19850-54090
152			GT-220	11.0	SQT	19850-64031
153		067100-1700		23.0	SQT	19850-58010
154		067100-1860		11.0	SQT	19850-64050
155		067100-1840		11.0	SQT	19850-54120
156				11.0	SQT	19850-54150
157				11.0	SQT	19850-27010 19850-30010
158				11.0	SQT	19850-17020
159		DG-240		11.0	SQT	19850-0W010
500				11.0	SQT	19850-0R010 19850-26010
CP-20				11.0	SQT	19850-54110 19850-54130
CP-22			GT-227	11.0	SQT	19850-67020 19850-67030 19850-64060
CP-23				11.0	SQT	19850-26020
DAIHATSU						
PD-95		067100-1100	GD902	8.0		067100-1100
99	Y-108	067100-1090	GD901	8.0		19850-87303
190	Y-146R	067100-1530		7.0	QGS	19850-87701
191	Y-703R			11.0	SQT	19850-87702
192		067100-1670		11.0	SQT	19850-87703
MAZDA						
PZ-30	Y-107T		GM501	12.0	QT	1353-18-140A
31	Y-157R		GM503	23.0	QGS	SE01-18-140A
32				24.0	QT	1354-18-140A
33	Y-107R		GM502	10.5	QGS	S501-18-140A

CROSS REFERENCE LIST

HKT NO.	NGK NO.	ND NO.	EIKO NO.	VOLTAGE	TYPE	REFERENCE NO.
MAZDA						
PZ-34	Y-122			10.5		4869-18-140A
35				12.0	QGS	S210-18-140A
36	Y-721RS			11.0	SQT	VS01-18-601 R2L2-18-601
37	Y-701R			12.0	SQT	RFJ5-18-601
38				11.0	SQT	RFG1-18-601
39	Y-701J			11.0	SQT	WL03-18-601 WL81-18-601
701	Y-771R			24.0	SQT	SEM1-18-601
702		067100-1850		11.0	SQT	RFP1-18-601
703				11.5	SQT	IE07-18-601
704				11.0	SQT	RF2A-18-601
CP-50	CY-03			11.0	SQT	Y701-18-601
CP-60		142000-1850		11.0	SQT	RF1M-18-601
NISSAN						
PN-81	Y-103		GN302	10.5		11065-37506 11065-37507
82	Y-252		GN305	19.0		11065-Z5000
84	Y-202		GN304	10.0		11065-J2000
85	Y-103-1		GN310	9.5		11065-Y1400 11065-Y1401
86	Y-103-2		GN303	9.5		11065-Y1402 11065-Y1403 11065-Y1404
87	Y-112T		GN306	11.0	QT	11065-31W00 11065-31W01
88	Y-177-1		GN307	20.5		11065-T3400 11065-T3401
89	Y-204TS-1		GN309	11.0	QT	11065-V0700 11065-V0701
120	Y-181T		GN308	23.0	QT	11065-T3470
★ 121	Y-204RS		GN316	6.5	QGS	11065-W2500 11065-W2510
122	Y-202-2			9.5		11065-J5501 11065-J5502
123	Y-112M-1		GN319	11.0	QGS	11065-34W00
★ 124	Y-162R-1		GN317	23.0	QGS	11065-T8201 11065-T8203
125	Y-272R-1		GN311	23.0	QGS	11065-T9000 11065-T9001
★ 126	Y-117RS		GN315	6.5	QGS	11065-16A05 11065-16A15
127	Y-117SS		GN314	8.5	QGS	11065-16A00 11065-16A10
128	Y-112R-1		GN318	10.5	QGS	11065-T8200 11065-T8202
129	Y-204SS		GN320	8.5	QGS	11065-W3400 11065-W3410
130	Y-272T			23.0	QT	11065-J6500
★ 131	Y-755RS			24.0	SQT	11065-C8600
132	Y-705RS			11.0	SQT	11065-10G00
133	Y-144SS			8.5	QGS	11065-16A01 11065-16A11
★ 134	Y-144RS			6.5	QGS	11065-16A06 11065-16A16
135	Y-707RS		GN328	11.0	SQT	11065-43G01 11065-63G00
★ 136	Y-757RS			24.0	SQT	11065-10T01
137	Y-955RS			24.0	SQT	11065-02T00

CROSS REFERENCE LIST

HKT NO.	NGK NO.	ND NO.	EIKO NO.	VOLTAGE	TYPE	REFERENCE NO.
NISSAN						
PN-138	Y-712RS			11.0	SQT	11065-31N00 11065-G2400
139				11.0	SQT	11065-7C000 11065-9C600
CP-01	CY-01			11.0	SQT	11065-G5501
CP-02	CY-02			11.0	SQT	11065-57J00 11065-5C900
CP-03	CY-08			11.0	SQT	11065-0W801 11065-65N01
CP-04				11.0	SQT	11065-4P400
CP-70	CZ-01			6.5	QT	11065-V7203
CP-72				11.0	SQT	11065-AD200
CP-73				11.0	SQT	11065-2W202 11065-2W211
HINO						
PH-20	Y-173		GH401	22.5		19110-1050 60543-30901
21	Y-176	067100-1071	GH402	19.0		19110-1040 63013-30010
22		067100-1580		23.0		19110-1140
23				14.0	QGS	19110-1081 19110-1130
25		067100-1591		10.5	QT	19110-1160
26		067100-1830		23.0	SQT	19110-1220
ISUZU						
PI-40	Y-874-1		GI001	22.5		9-82511994-0 9-82511945-0
41	Y-808-1		GI002	10.5		9-82511977-0
42	Y-104		GI003	10.5		9-82511978-0
43	Y-154		GI007	20.5		9-82513959-0
44	Y-271-2		GI008	20.5		9-82513928-8
45			GI004	9.0		5-81410040-0
46	Y-104R		GI005	5.0	QGS	8-94221719-3 8-94241449-0 8-94255588-0
47	Y-154R		GI006	9.5	QGS	5-81410055-2 5-81410057-2
48	Y-154RS		GI009	9.5	QGS	5-81410056-3 5-81410058-3
49	Y-904M		GI010	11.0	SQT	8-94175158-0 8-97073641-0 8-94133759-5
50	Y-954M			23.0	SQT	8-94135377-3 8-94139035-2 8-97033761-0 1-82513-044-0
51	Y-711R			5.0	QGS	8-94402303-1
52				23.0	SQT	8-94172223-0 8-94334900-0
53				20.5	QT	5-81410044-0
54				20.5	QGS	5-81410045-0
55				5.0	QGS	8-94439218-0
56				10.5		5-81410023-3
57	Y-711RS			11.0	SQT	8-94481972-0 8-97043744-0 8-97028369-0
58	Y-710R			11.0	SQT	8-94319700-1 8-94144412-0

CROSS REFERENCE LIST

HKT NO.	NGK NO.	ND NO.	EIKO NO.	VOLTAGE	TYPE	REFERENCE NO.
ISUZU						
PI-59	Y-719RS			11.0	SQT	8-94387612-1 8-97043744-0 8-97044037-0
PI-170				11.0	STD	8-94140115-2
PI-171				11.5	SQT	0 250 201 026
PI-172				11.0	SQT	8-97143674-1
PI-173	Y-784M			23.0	SQT	8-94390777-4
PI-175				11.0	SQT	8-97326046-0
PI-176				11.0	SQT	8-97306519-2
CP-50	CY-03			11.0	SQT	8-97080554-0
CP-51	CZ -22			11.0	SQT	8-97210818-2
MITSUBISHI						
PM-60	Y-172		GF104	22.5		ME021302 30866-04104
61	Y-175S-2		GF101	22.5		ME067459 ME967559 31166-03101 31166-03104
62	Y-102		GF106	10.5		30666-20309
63	Y-201		GF102	10.5		ME007546* 30366-14300 K967024
65	Y-251		GF108/109	22.5		MM401625 ME007545 31366-14700 31366-14701 31366-02100 31366-02109
66	Y-180		GF110	21.0		ME037002
70			GF107	22.5		3066-51300 3066-51301
71	Y-172		GF105	20.5		ME020911 30866-04709 30866-04105
73	Y-274		GF103	20.5		ME017010 ME017013
74				20.5		ME007547
75	Y-115T(-1)		GF112	12.0	QT	MD050212
77				11.0	SQT	ME007615
78	Y-971M			23.0	SQT	ME017057
79	Y-114T			10.5	QT	MM409510
160	Y-274R			24.0	QGS	ME017009
161	Y-115R-1			6.0	QGS	MD014997
162			GF117	11.0	SQT	ME001581
163				23.0	SQT	ME007649
164				11.0	SQT	MD301950 MD354500
165				11.0	SQT	ME201632 ME203583 ME203754
166				11.0	SQT	36710-42010 36710-42020 36710-42060
167				11.0	SQT	MD344469
168				11.0	SQT	ME203539
169	YE13			11.5	SQT	MN960270
401				24.0	SQT	ME191813
402				11.0	SQT	1820A-006T

CROSS REFERENCE LIST

HKT NO.	NGK NO.	ND NO.	EIKO NO.	VOLTAGE	TYPE	REFERENCE NO.
MITSUBISHI						
CP-05	CY-05		GF-123	11.0	SQT	ME201638 ME200970
CP-06				6.2	SQT	MD092392
CP-07	CY-07		GF-121	11.0	SQT	MD197511
HONDA						
CP-53				11.0	SQT	12291-RBD-E01
CAT/KOMATSU						
PK-96	Y-174TS		GK911	22.5		6110-13-2511
98	Y-171		GPCM	24.0		3S9624X 1P-7324 4S7824 9H4577 3T9562
111	Y-159			24.0		4N-360 3T-8706
112	Y-109			12.0	QT	IP-7912
115				20.5		6008-15-1340
117				12.0		3T-8705 9N-0194
KOREAN CAR						
B-110	Y-749J	DG-173		11.0	SQT	36710-27010
B-120	Y-508J	DG-189		11.0	SQT	36710-4A000
B-121		DG-188		11.0	SQT	66415-90001

FOR INDUSTRIAL DIESEL ENGINE						
PS-200	Y-149			12.5		19215-6551-0/-3
201	Y-103V			10.5		15951-6551-2
202	Y-106V			10.5		15521-6551-2
203	Y-107V			10.5		18536-6060
204	Y-106-1			10.5		15221-6551-3
205	Y-701R			12.0	SQT	18536-6092
206	YE01			11.0	SQT	16851-6551-0/-2
207	Y-709R			11.0	SQT	16241-6551-1 16261-6551-1
208	Y-716RS			11.0	SQT	19077-6551-0
209	Y-119V			10.5	QT	17331-6551-1
210	Y-702U	YANMAR		10.0	SQT	129155-77801
215	Y-766MS			23.0	SQT	185-6725
216	Y-145T	MHI		10.5	QT	MM432-14801
217	Y-182T-1	MHI		22.0	QT	34466-31300 34466-31302
219	YA-01			12.5		17529-6551-1
220				11.0	SQT	2666-A014 2666-A005
221				11.0	SQT	2666-A012 2666-A013

★ Cold Start （ 寒冷地仕様 ）
QT = Quick Type（ 速熱型 ） QGS = Quick Glow System （ 車載電子コントロール制御型 ）
SQT = Super Quick Type（ 自己制御型 ）

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Printed in japan
09.11.2,000(T)