



FDS-4180

F.D NO.	O.E. (M) NO.	MODEL	YEAR
FDS-4180 100mmOD	021580-2160	TOYOTA	
	021580-2230	CAMRY VISTA	CV40(3C-T) SV-10/11/12/20/21/22/25/30/32/33/35/40/43 (1S-ILU/-LU/-1,2S-ELU,3S-GELU/-FE/GE,4S-FE)
	27357-63020		VZV20/30/31/32/33(1VZ-FE,4ZV-FE)
	27357-63020A	CARDINA	ST190G/195G(3S-FE/GE,4S-FE)
	27357-63027	CARINA	AA63/151/160/170/170G/171/175/190/191/192 /210(4A-ELU /-FE/-FHE/-GE/-GELU/-GEU, 5A-FE,7A-FE), ET176V(3E)
	27060-72010		ST150./160/162/163/170/170G/215 (1S-ILU,3S-FE/-GELU,4S-FI)
	8-94160638-0		AA63(4A-GEU)
	31127-PD2-0140	CELICA	AT160(4A-GELU) GA61(1G-GEU) MA61/63(M-TEU,5M-GEU) ST160/162/163/165 (1S-ILU,3S-FE/GELU/GTE,)
			8983-85 8985-87 8982-86 8983-85 8985-89
		COMFORT	SXS11Y,YXS10/11/11Y(SY-PE,4S-FE)
		COROLLA	AE100/100G101/101G/104/104G109V/110 /111/111G/114/82/86/91/91G/92/95 (4A-ELU/-FE/-GE/-GELU/-GEU, 5A-FE/-FHE)
		SPRINTER	CE100G/106V/108G(2C) EE101/102V/103V/104G/106V/107V/108G/111 90/96V/98V/(2E,3E,4E-FE,5E-FE)
			8995-98 8991-
		CORONA	AT141/160/170/175/190 (4A-FE/-GELU/-GEU,5A-F), ET176V(3E) ST150./160/162/163/170/170G/215 (1S-ILU/-LU/,3S-FE/-GE/-GELU,4S-FE/-FI)
			8983-96 8983-
		CORSA, COROLLA II	YT140(2Y-PU) EL41/43/45/51(4E-FE,5E-FE/-FHE) NL30(1N-T) EL30/31/41/43/45 (2E,3E,3E-TE,4E-TE,5E-FE)
			8989- 8992-97 8986-90 8986-92
		CROWN	NL30/40/50 (1N-T) GS121/130/130G/130W/131/131H/141 (1G-FE/-GEU/-GP/-GZU) LS130/136V(2L,2L-T)
			8986-97 8983-98
			MS120/122Z/123/125/130 (5M-EU/-GEU,6M-GEU,M-P/-PU/-TEU) YS120/130(3Y-P/-PU/-TEU)
		DELTA	BU100N/102J/102N/107N/112M/112N/112T /112U/142N/147N/162J/162M/162N/162U/172N (15B-F,3B) V115/116/118/118D/119/98/98D/99 (14B,14B-T,B)
			8989-94 8983-89 8983-95 8995-
		DELTA WIDE	CB21G (2C-T) YB20G/21G(2Y-U,3B,3Y)
			8985-90 8983-91
		DYNA, TOYOACE	BU100/100A/102/102A/102D/102H/105/107 /112/112A/112D/120V/132/137/140/142/147 /162/162A/162D/172/182/202/212/212K/222 /60/61/66/66D/66H/67/67D/68DH/70V/70VH /72/72D/72DH/72H/73/74/78/83/84/87/88V/88 /91/94/96(11B,14B,14B-T,15B-F/-FT,3B,B) RZU100/100A/100H(3RZ-FE/-FP), YY51 (2Y)
			8988-95 8985-90 8983-91 8988-
		HIACE	LH102V/103V/109V/113K/113V/119V/123V/ 129V(2L,3L) RZH100G/102V/110G112K/112V/122V/124B (1RZ,1RZ-E) YH51G/57G/61G(3Y-U)
			8995-97 8989- 8989-
	HILUX	KZN130G/130W/185G/185W(1KZ-TE) LN108/112/130G/130W/131V,RN50, 2L-TE,3L) YZN130G/61G(3Y-E)YNI30G/61G(3Y-E/EU)	
		8987-89 8993-97 8990-96 1986-91	

TO BE CONTINUED



FDS-4180

F.D NO.	O.E. (M) NO.	MODEL	YEAR	
FDS-4180 CONTINUED		TOYOTA		
		LAND CRUISER	BJ70/70V/73V(3B) HDJ81V(1HD-T) HZJ73HV/73V/77HJ/81V(1HZ) KZJ90W/95W(1KZ-TE) PZJ70/70V/77HZ/77V(1PZ) YZJ90W(5VZ-FE) HDJ81V(1HD-T) HZJ70/70V/73HV/73V/77HV/77V/81V(1HZ) PZJ70/70V/77HZ/77V(1PZ)	1988-90 1990-92 1990-92 1996- 1990-92 1996- 1992-95 1992- 1992-94
		MARK II , CHASER	GX100/61/70G/71/90(1G-FE/-GEU/-GTEU) LX76V/80/80Y(2L,2L-T) MX60/61/71(M-PU/-TEU) YX70/70A/70YA/78V/80/80Y/(2Y-PU,3Y-E/-P) GX70G/71/81/(1G-FE/-GE/-GEU/-GTE) SX80/80Y/90(4S-FE) YX70/70A/70YA/78V/80/80Y/(2Y-PU,3Y-E/-P)	1984- 1988- 1983-85 1984-97 1986-93 1988-96 1985-95
		MASTER ACE	CR21G/28G/30G/37G(2C,2C-T) YR20G/21G/28G/30G/36G,PR28G (2Y-U,3Y-EU) PR28G(2Y-U)	1985-90 1985-92 1985-86
		MR2	AW10/11(3A-LU,4A-GELU)	1984-89
		RANGER	BU100M/102E/102M/102T/102X/107M/112M /112T/112X/142M/147M/162M/162T/162X 172M/182M/202M/212M/222M(3B,15B-F) HV115/116/118/119/98/98D/9(14B,B)	1995- 1988-
		RAV4	SXA10G/10W/11G/11W/(3S-FE/-GE,4S-FE)	1994-97
		SOARER	GZ10/20(1G-FE/-GEU/GTEU)	1983-91
		SPRINTER	MZ10/11/12/20, (M-TEU,5M-GEU,6M-GEU,7M)	1983-87
		STARLET	AE111G/114G/115G/95G(4A-FE/-FHE,7A-FE) EP85/91/95(4E-F/FE/FTE) NP70/76V/80/90(1N)	1988- 1992- 1986-97
		SUPRA	GA70/70H(1G-FE/-FE/-GEU/-GTEU) MA70(7M-GTEU)	1986-93 1986-
		TOWNACE	CM30G/40G,CM40G,CR-21G/28G/30G/37G, YM30G/40G/55/YR20G/21G/25V/28G/30G/36G (2C-T,2Y,2Y-J/-U,3Y-EU/-U)	1985-92
		TOWNACE, LITEACE	CM30G/41V/50/51//55/65,CR21G/26V,YM30G /40G,YR20G/21G/28G (1C,2C,2Y-U,3Y-EU,3Y-U)	1984-90
		DAIHATSU		
		CHARADE	G200S(HC-E)G201S(HD-EG)G203S,G213S(HE-EG)	1993-94
		ROCKY	F300S(HD-E)	1992-93
		APPLAUSE	A101S,A111S(HD)	1990-96
		ISUZU		
		BIGHORN	UBS25DW,UBS25GW(6VD1)	1992-95
		PIAAZA	JR120(4ZC1-T)	1984-87
		GEMINI	MJ1,MJ2(2C)	1984-87
		HONDA		
		ACCORD	AC(EY)AD(ES)CA6(A20A3)	19'83-04
		VIGOR	AD(ES)CA3(B20A)CA2(B18A)CA1(A18A)CA5(A20A)	1985-88
		PRERUDE	BA1(B20A)BA4,BA5(B20A)	1985-91
		LEGEND	KA1(C20A)KA2(C25A)KA3,KA4(C27A)KA5(C20A)	1985-90
		DOMANI	MA4,MA6(ZC)MA7(D15B)	1992-95
		CR-X	EF8(B16A)EG1(D15B)	1989-95
		INTEGURA	DA6,DA8(B16A)DB6,DC1(ZC)DA5,DA7(ZC)	1989-93
		CIVIC	EF9(B16A)EG8(D15B)EG3(D13B)EH1(ZC)EG7(D13B) EG4,EG8(D15B)EJ1(D16A)	1989-92
		SUZUKI		
		ESCUDO	TD51W,TA51W(J20A)	1996-97
		CALTUS	GA11S,GA21S,GB21S(G15A)GC21W(G15A)GD31S GD31W(G16A)GC21W(G15A)GD31S,GD31W(G16A)	1994-97



FDS-4183



FDS-4185

F.D NO.	O.E. (M) NO.	MODEL	YEAR	
FDS-4183 90mmOD	021580-2250 021580-2260 27357-63040	TOYOTA TOWNACE, LITEACE MASTER ACE MR2 COROLLA, SPRINTER CORONA CORSA, STERLET CARINA HIACE CROWN TOWING TRACTOR HONDA CIVIC BALLADE QUINT CR-X CONCERTO CITY DAIHATSU DELTAWIDE APPLAUSE CHARADE	CM20/-26/-35V/-36V/-41V/CR26V/-27V/-28V /-36V(1C,2C) CM31V/-50/-51/-55/-60/-65 YM30G/40G/55/YR20G/-28G(2Y-U,3Y-U) CR28G(2C) YR20G,YR28G(2Y-U) AW10(3A-LU) AE81(3A-LU) AE82(4A-ELU) AE86(4A-GEU) AE91(5A-F) ST150(1S-ELU,1S-LU), ET176V(3E) EL31(3E) EP71(2E-ELU,2E-LU,2E-TELU) EP82,EP85(4E-F,4E-FE) NP70,NP76V(IN) ET176V(3E) AT170,AT170G(5A-F) RZH102V/-112V-124B/-182K(1RZ) YH50V YH61V,YH61VH(3Y) YH62V(3Y-J) YH71V(3Y) GS136V(1G-FE) 2TD201-25,TD201-25(1D2) AG,AJ,VJ(EU)AH,AK,AR(EW)AT,MF3,EF5(ZC) AE,AJ(EU)AF,AK(EW) AV,DA2,DA1(ZC) EF6(D15B)EF7(ZC) MA2,MA3(ZC) AA(ER) CB26V/-27(1C,2C) A101S,A111S(HD) G100S(CB51)G102S(HC-E)G11(CB50)	1985-90 1985-86 1984 1983-85 1987-89 1983-92 1986-88 1984-86 1986-89 1992 1987-89 1989-99 1989- 1983-89 1983-87 1985-89 1988-89 1988-89 1982-86 1985-86 1989-93 1986-93
	FDS-4185 90mmOD	021580-3130 021580-3340 021580-4340 27357-72150 8-97046338-0 8-94455159-0	TOYOTA DYNA, TOYOACE COROLLA, SPRINTER CORSA,COROLLA II STERLET CARDINA HIACE CARINA CORONA SYNOS DAIHATSU CHARADE ROCKY DELTAWIDE HONDA LIFE TODAY ACTY VAMOS SUZUKI JIMNY ALTO CALTUS ISUZU GEMINET BIGHORN SUBARU SAMBAR	YY50(1Y)-52/-61(3Y)YY61(3Y-P) YM25,YR26V(1Y-J) YY101/-121/-131(3Y) YM55/-60/-65(2Y) YM161/-162/Y211(3Y-P) XZU140(J05C) EE80(2E-LU)EE106V(2E)EE107V/-108G(3E) EE90,-/96V/-97G(2E)EE98V(3E) EL30(2E)EL31(3E) EL51(4E-FE)EL53/-55(5E-FE) EP71(2E-LU)EP76V(2E-LJ)EP82(4E-F) EP85/91/95(4E-FE) ET196V YH50V,YH81(2Y)RZH102V/-112K/-112V/-182K ET176V(3E) ET176V(3E) EL52,EL52C(4E-FE)EL54(5E-FHE) G102S,G112S(HC-E) G100S(CB37,CB70) F300S(HD-E) YB26V(1Y)YB25V(2Y-J)YB26V(1Y) JA4(E07A) JA1,JW2(E05A) JA2,JA3,JW3,JW4,JA4,JA5(E07A) HA1,HA2,HH1,HH2(E05A)HA3,HA4,HH3,HH4(E07A) HA6,HA7,HH5,HH6(E07Z) HM1,HM2,HM3,HM4(E07Z) JB31W(G13BA)JB32W(G13B) CR22S(F6A)HA21S(K6A) AA33S,AB33S(G13B) AA43Z(G10) UBS12(4ZC1)UBS25DW(6VD1)UBS69DW(4JG2) KS3,KS4,KV3,KV4(EN07C,EN07L)



FDS-4190

F.D NO.	O.E. (M) NO.	MODEL	YEAR
FDS-4190 103mmOD	021580-3830	TOYOTA	
	021580-4080	CALDINA	CT190G,CT196V,CT198V(2C)
	021580-4480	CAMRY, VISTA	VZV20(1VZ-FE)
	021580-4630	CAMRY, VISTA	SV30,SV32,SV33,SV35(3S-FE,4S-FE)
		CAMRY, VISTA	SV40(4S-FE), SV41,SV42,SV43(3S-FE)
	27357-55080	CARINA	AT171(4A-GE)
	27357-62040	CARINA	AT170,AT170G,AT171,AT175(5A-F,5A-FE)
	27357-74050	CARINA	CT190,CT195(2C)
	27357-74160	CARINA	ET196V(5E-FE)
		CARINA	AT190(4A-FE), AT191(7A-FE), AT192(5A-FE)
		CELIICA	ST162,ST163(3S-GELU)
		COMFORT	LXS11,LXS11Y,(2L-TE)
		COROLLA, SPACIO	AE111N(4A-FE)
		COROLLA, SPRINTER	AE92(4A-GE)
		COROLLA, SPRINTER	AE91(5A-F,5A-FHE), AE91G(5A-F)
		COROLLA, SPRINTER	AE95(4A-F,4A-FE)
		COROLLA, SPRINTER	EE101(4E-FE)
		COROLLA, SPRINTER	AE100,AE100G(5A-FE), AE101(4A-FE)
		COROLLA, SPRINTER	CE100,CE100G,CE104,CE106V,CE108G,CE109V,
		COROLLA, SPRINTER	CE110,CE114(2C)
		COROLLA, SPRINTER	EE101(4E-FE)
		CORONA	AT170(5A-F,5A-FE), AT175(4A-FE)
		CORONA	ST190(4S-FE), ST191(3S-FE)
		CORONA	CT190,CT190Y,CT195(2C)
		CORSA, COROLLA II	EL31(3E-E,3E-TE)
		CORSA, COROLLA II	EL41(4E-FE), EL43(5E-FE,5E-FHE)
		CORSA, COROLLA II	NL40,NL50(1N-T)
		CORSA, COROLLA II	EL41(4E-FE), EL43(5E-FE,5E-FHE), EL45(5E-FE)
		CROWN	LS130,LS130G,LS130W,LS131,LS131H,LS141
		CROWN	(2L-THE, 2L-TE)
		CROWN	LS151,LS151H(2L-TE)
		CROWN	YXS10,YXS10H(3Y-PE)
		CYNOS	EL44(5E-FE,5E-FHE)
		CYNOS	EL44(5E-FE,5E-FHE)
		DELTA WIDE	CB27V(2C)
		DELTA WIDE	YB21G(3Y-EU)
		DINA, TOYOACE	LY228K,LY270,LY220,LY230,LY240V,LY270,LY280,
		DINA, TOYOACE	LY290V(5L)
		ESTIMA	TCR10W,TCR11W,TCR21W,(2TZ-FE)
		ESTIMA EMINA	CXR10G,CXR11G,CXR20G,CXR21G(3C-T)
		ESTIMA EMINA	TCR10G,TCR20G,TCR21G(2TZ-FE)
	ESTIMA EMINA	CXR10G,CXR11G,CXR20G,CXR21G(3C-TE)	
	GRANVIA	RCH11W(3RZ-FE)	
	HIACE	LH100G,LH102V,LH110G,LH140G(2L), LG109V(2L)	
	HIACE	LH113V,LH115B,LH119V,LH123V,LH125V,LH140G(2L)	
	HIACE	LH162V,LH168V,LH172K,LH172V,LH178V,	
	HIACE	LH182K,LH184B,LH186B,LH188K(5L)	
	HIACE	RZH100G(1RZ-E), RZH101G(2RZ-E)	
	HIACE	RZH102V,RZH112V(1RZ)	
	HILUX	LN130G,LN130W(2L-TE)	
	HILUX	LN130G,LN130W(2L-TE)	
	HILUX	KZN130G,KZN130W(1KZ-TE)	
	LAND CRUISER	VZJ90W,VZJ95W(5VZ-FE)	
	MARK II, CHASER	LX80(2L-T)	
	MARK II, CHASER	LX90,LX100(2L-TE)	
	MARK II, CHASER	SX80,SX80Y,SX90(4S-FE), YX80(3Y-D)	
	MARK II, CHASER	SX80,SX80Y(4S-FE)	
	MASTER ACE	YR21G,YR30G,YR36G(3Y-EU)	
	MR2	SW20(3S-GE)	
TO BE CONTINUED	NADIA	SXN10,SXN10H,SXN15,SXN15H(3S-FE)	



FDS-4190



FDS-4191



FDS-4192



FDS-4302

F.D NO.	O.E. (M) NO.	MODEL	YEAR	
FDS-4190 CONTINUED		TOYOTA NADIA PLATZ RAUM RAV4 REGIUS SCEPTER SERA SPRINTER CARIB STARLET STARLET STARLET TOWN ACE LITE TOWN ACE LITE TOWN ACE LITE VITZ WINDOM DAIHATSU CHARADE PAYZER	SXN10,SXN10H,SXN15,SXN15H(3S-FE) SCP11(1SZ-FE) EXZ10,EXZ15(5E-FE) SXA10G,SXA11G(3S-FE) KCH40G,KCH46G(1KZ-TE) SXV10,SXV15,SXV15W(5S-FE) EXY10(5E-FHE) AE95G(4E-FE) EP82(4E-FE,4E-FTE) EP82,EP85(4E-FE,4E-FTE) NP80,NP90(1N) CM30G,CM41V,CM5,CM55,CM66,CR27V,CR36V(2C) CM51,CM55,CM65,CR27V,CR36V,(2C) YR21G,YR30G,YR36G(3Y-EU) SCP10(1SZ-FE) VCV10(3VZ-FE), VCVL11(4UZ-FE) G200S,G201S,G203S(HC-E,HD-EG,HE-EG) G301G,G303G,G311G(HD-EP,HE-EG)	1998- 1999- 1997 1994-97 1997-99 1992-96 1992-96 1988-90 1989-90 1990-92 1996-99 1990-93 1993 1988-92 1999- 1999- 1993-98 1996-98
FDS-4191 103mmOD	021580-2950 021580-4270 021580-4470 021580-4640 27357-43110 27357-46080 27357-46150 27357-46130	TOYOTA ARISTO CROWN CROWN CROWN CROWN HIACE HIACE LITE ACE / TOWN ACE LITE ACE / TOWN ACE LITE ACE / TOWN ACE SOARER SUPRA SUPRA	JZS147 (2JZ-GTE) MS125 (6M-GEU) JZS130G, JZS131, JZS141 (1JZ-GE) JZS133, JZS133Z, JZS135, JZS-143 (2JZ-GE) JZS-145 (2JZ-GE) LH100G, LH120G (2L-TE) , LH102V, LH1110G (2L) LH107G, LH107W, LH113V, LH117G, LH110V (3L) CR22G, CR29G, CR31G, CR38G, CR40G (3C-T) CR50G (3C-T) CR41V, CR51V (2C) MZ712 (6M-GEU) JZA70 (1JZ-GTE), JZA80 (2JZ-GE) JZA80 (2JZ-GTE)	1991-93 1986-87 1990-91 1991-93 1990-93 1990-93 1993-98 1996-98 1996-98 1985-86 1990-95 1993-02
FDS-4192 113mmOD	021580-4100 27357-75060	TOYOTA CROWN HIACE HIACE HIACE LANDCRUISER SOARER SUPRA HONDA NSX	UZS141 (1UZ-FE) LH129S (3S) RZH122V (1RZ) , RZH124V (1RZ), RZH132S (1RZ) RHZ133S (1RZ) HDJ81V (1HD-T), FJ80G (3F-E) MZ20 (7M-GTEU), MZ21 (7M-GTEU) MA70 (7M-GTEU) NA1(C30A), NA2 (C32B)	1991-93 1989-93 1989-93 1989-93 1990-92 1988- 1988-90 1990-97
FDS-4302 113mmOD	021580-4250 021580-4590 31127-PY3-0030	HONDA LEGEND	KA7, KA8 (C32A)	1990-92



FDS-4303



FDS-4304

F.D NO.	O.E. (M) NO.	MODEL	YEAR		
FDS-4303 90mmOD B:35mm	021580-4310	TOYOTA	J100E (HC-EJ)	1999-	
	27357-87207	CAMI DUET	M100A, M110A (EJ-DE)	1998-	
	31621-60D10	DAIHATSU	G100S (CB36)	1987-90	
	31621-73G00	CHARADE	S100C/CT/P/V/W/ (EF-ES, EF-GS)	1994-98	
	MD604779	HIJET / ATRAI	S100W (EF-ZS)	1995-98	
		HIJET / ATRAI	S110P/V/W, S120V (EF-ES, EF-GS)	1994-98	
		HIJET / ATRAI	S120V, S130V (EF-GS)	1994-98	
		HIJET / ATRAI	S82V, S83V (EF-ES, EF-TS)	1991-94	
		HIJET / ATRAI	S120V, S130V (EF-RS)	1996-98	
		HIJET / ATRAI	S200C/P/V, S210P/V, S220G/V (EF-VE, EF-DET)	1998-	
		HIJET / ATRAI	S230G/V (EF-VE, EF-DET)	1998-	
		HIJET / ATRAI	L950S, L960S (EF-VE)	2001-	
		MAX	K100C/P (EF-SE)	1998-	
		MIDJET2	L200S, L210S, L220S (EF-JL)	1991-94	
		MIRA	L250S/V, L260S/V (EF-SE, EF-VE)	2002-	
		MIRA	L500S (EF-JL)	1994-95	
		MIRA	L502S, L512S (JB-EL, JB-JL)	1994-98	
		MIRA	L500S, L510S (EF-RL)	1997-98	
		MIRA	L700S, L710S (EF-DET, EF-VE)	1998-	
		MIRA	L700S, L710S (EF-VE)	2002-	
		MIRAGINO	L700S, L710S (EF-VE)	2002-	
		MOVE	L602S (JB-JL)	1995-98	
		MOVE	L600S, L610S (EF-RL)	1996-98	
		MOVE	L900S, L910S (EF-DET, EF-VE)	1998-	
		MOVE	L902S (JB-DET)	1998-	
		NAKED	L750S, L760S (EF-DET)	1999-	
		OPTI	L300S, L310S (EF-EL)	1992-95	
	OPTI	L802S (JB-DET)	1998-		
	OPTI	L800S, L810S (EF-DET, EF-VE)	1999-		
	STORIA	M112S (JC-DET)	1998-		
	STORIA	M100S, M110S (EJ-DE)	1998-		
	TERIOS	J100G (HC-EJ)	1997-		
	TERIOS KID	J111G, J131G (EF-DEM, EF-DET)	1998-		
MITSUBISHI					
MINICAB	U41T/V, U42T/V (3G83)	1991-			
MINICAB	U11T/V, U12T/V (G23B)	1986-87			
SUZUKI					
ALTO	HA12S (F6A), HA21S, HB21S, HA22S, HA23S/V (K6A)	1997-			
KEI	HN11S (F6A), HN21S, HN22S (K6A)	1998-			
WAGON R	MC11S (F6A), CT51S, MC21S, MC22S (K6A)	1997-			
MAZDA					
AZ WAGON	MD11S (F6A), MD22S (K6A)	2000-			
CAROL	HB12S (F6A), HB22S, HB23S (K6A)	1998-			
LAPUTA	HP21S, HP22S (K6A)	1998-			
FDS-4304 113mmOD	021580-4690	TOYOTA	UZS141 (1UZ-FE)	1991-93	
	27357-50080	CROWN	LH129S (3S)	1989-93	
		HIACE	KHZ110G (1KZ-TE), KHZ116G (1KZ-TE),	1993-99	
		HIACE	KHZ120G (1KZ-TE), KHZ132V (1KZ-TE),	1993-99	
		HIACE	KHZ138S (1KZ-TE), KHZ138S(1KZ-TE)	1993-99	
		HIACE	RZH122V (1RZ) , RZH124V (1RZ), RZH132S (1RZ)	1989-93	
		HIACE	RHZ133S (1RZ)	1989-93	
		LANDCRUISER	HDJ81V (1HD-T), (HDJ81V (1HD-FT)	1992-98	
		LANDCRUISER	FJZ80G (1FZ-FE)	1992-95	
		LANDCRUISER	HZJ75 (1HZ)	1992-99	
		TOWNACE	CR40G (3C-T)	1996-98	
		MAZDA			
		EUNOS 800	TA5A/P/Y/Z (KL-ZE)	1993-96	
		HONDA			
		NSX	NA1(C30A), NA2 (C32B)	1990-97	



FDS-4305



FDS-4306



FDS-4307



FDS-4308



FDS-4309

F.D NO.	O.E. (M) NO.	MODEL		YEAR
FDS-4305 83mmOD	021580-3080	DAIHATSU MIRACORE LEEZA HIJET / ATRAI MIRA MIRA MOVE	L70S/V, L71V (EB) L100S/V (EB, EB26), L111S (EF-HL) S80C/P/V, S81C/P/V (EB, 3B60, EB71) L200S/V/, 210S/V, L220S, L500S/V (EF-CL/HL) L500S/V, L510V (EF-CL/HL) L600S (EF-GL)	1985-89
	27357-87201			1986-89 1986-89 1990-95 1994-98 1995-98
FDS-4306 90mmOD	021580-3270	SUZUKI ALTO ALTO ALTO ALTO ALTO ALTO AZ-WAGON CAPPUCCINO CARRY / EVERY CARRY / EVERY CERBO CERBO CERBO FRONTE JIMNY WAGON R SUBARU REX REX VIVIO MAZDA CAROL MITSUBISHI MINICAB	CA72V, CC72V, DE51V, DF51V (F5A) CL11V, CM11V, CN11S, CP11S (F5B) CL21V, CL22V, CM21V, CM22V, CN21S (F6A) CP21S, CR22S, CS22S, HA11S, HB11S (F6A) HC11V, HD11V (F6A) HB21S (K6A) CY21S (F6A) EA11R (F6A), EA21R (K6A) DA41V/71V, DB41V/71V (F5A/B) DA51V, DB51V (F6A) CG72V, CH72V (F5B), SS40 (F5A) CN21S, CN22S, CP21S, CP22S (F6A) CN31S/32S, CP31S/32S (F6B) CB72S, CD72S (F5A), CN11S (F5B) JA22W (K6A) CT21S, CV21S (F6A)	1986-88
	31621-85250			1988-90
	23835-KA010			1990-94
	MD627023			1990-98
				1994-98
				1995-97
				1994-98
				1991-97
				1985-90
				1990-91
				1988-90
				1990-98
				1990-95
				1986-89
				1995-98
				1993-98
FDS-4307 113mmOD	021580-4600	TOYOTA SOARER CROWN / MAJESTA CROWN / MAJESTA ARIST MAZDA EUNOS800	JZZ30 (1JZ-GTE) JZS147/149 (2JZ-GE) JZS147/149 (2JZ-GE) JZS147 (2JZ-GE)	1991-94
	27357-46090			1992-93
	KJ01 18 W60			1993-95
				1993-95
FDS-4308 83mmOD	021580-3110	TOYOTA HIACE HONDA ACTY	YH80 (1Y-J) HA1/2, HH1/2, (E05A)	1985-87
	27357-72120			1988-90
FDS-4309 83mm OD	021580-3450	KUBOTA COMBINE ENGINE TRACTOR WHELLOADER	(V1200N) (D1105), B1750 (L2850), (A46G2), (M4700) (D1503), V1502)	1986-
	16231-64851			1992- 1990- 1994-



FDS-4310



F.D NO.	O.E. (M) NO.	MODEL		YEAR
FDS-4310 100mmOD	021580-5300	SUZUKI		
	31621-75F00	WAGON R	MA61S, MB61S, MA63S (K10A) MA34S (M13A) MA64S (K10A)	1997-00 2000-03
	8-97171368-0		MC22S (K6A)	2001-03
	27357-11130		MH21S, MH22S, MH23S (K6A)	2003-
	27357-87712-000	CULTUS	GA11S (G13B) GB31S (G16A)	1997-00
	MD627094		GC21S, GC21W (G15A)	1997-98
	35999-17671		GD31S, GD31W (G16A)	1997-98
			GC41W (J18A)	1997-98
		ESCUDO	TA51W, TD51W (J20A)	1996-97
			TA52W, TD52W, TL52W (J20A)	1997-00
		JIMNY	JB33 (J13B)	1998-00
		KEI	HN22S (K6A)	2001-03
		LAPUTA	HP22S (K6A)	2001-03
		MR WAGON	MF21S MF22S (K6A)	2001-
		ALTO	HA23S, HA23V, HA24S, HA24V (K6A)	2001-
		AZ WAGON	MD22S, MJ21S, MJ22S, MJ23S, MJ23SA (K6A)	2001-
		ALTO LAPIN	HE21S (K6A)	2002-03
		TWIN	EC22S (K6A)	2002-03
		CERVO	HG21S (K6A)	2006-
		PALETTE	MK21S	2008-
		DAIHATSU		
		CHARADE	G200S, G203S, G213S (HC-E, HE-EG)	1998-00
		PYZAR	G301G, G303G, G311G (HD-EP, HE-EG, HD-EP)	1998-02
		ATRAI 7	S221G, S231G (3K-VE)	2000-
		SONICA	L405S, L415S (KF-DET, KF-DET)	2006-
		TANT	L375S, L385S (KF-DET, KF-VE)	2007-
		MIRA	L275S, L285S (KF-DET, KF-VE)	2006-
		MOVE	L175S, L185S (KF-DET, KF-VE)	2006-
		MOVE CONTE	L575S, L585S (KF-VE)	2008-
		BOON	M310S (1KR-FE)	2006-
		TOYOTA		
		CORSA, COROLLA II	EL51 (4E-FE)	1997-99
	CYNOS	EL52 (4E-FE)	1997-99	
	STARLET	EP91, EP95 (4E-FE)	1997-99	
	CAMI	J100E (3K-VET) J102E, J102G (K3-VET)	2000-	
	SPARKY	S221E, S231E (3K-VE)	2000-03	
	PASSO	KGC15 (KF-VE)	2008-	
	MAZDA			
	CAROL	HB23S, HB24S(K6A)	2002-	
	SPIANO	HF21S (K6A)	2002-03	
	AZ-WAGON	(K6A)	2001-	
	ISUZU			
	VEHI CROSS	UGS25DW (6VP1)	1997-	
	BIGHORN	UBS26GW (6VE1)	1998-01	
	MINICAB	U61T, U61V, U62T (3G83)	1998-	
	NISSAN			
	MOCO	MG21G (K6A)	2002-	
	CLIPPER	U71T, U71V, U72T (3G83)	2003-	
	PINO	HC24S (K6A)	2008-	
	INDUSRIAL MACHINE	M80	1998-	
		(4BG1)	1989-	
		(6VD1)	1998-	
		(F2803)	2001-	



FDS-4311



F.D NO.	O.E. (M) NO.	MODEL		YEAR
FDS-4311 107mmOD	021580-5560	TOYOTA	ZZT231 (2ZZ-GE) ZZT230 (1ZZ-FE)	1999-06
	021580-6510	CELICA	ZZE137(2ZZ-GE)	2002-04
	27357-22050	VOLTZ	NZE127 (1NZ-FE) ZZE127 (1ZZ-FE)	2001-04
	27357-22200	WILL-VS	ZZE128(2ZZ-GE) ZZE129 (1ZZ-FE)	2001-04
		COROLLA	(2C, 1NZ-FE, 1ZZ-FE) (3ZZ-FE)	2000-
			NZE121, NZE121G, NZE124, NZE124G (1NZ-FE)	2000-
			NZE141,NZE141G, NZE144, NZE144G (1NZ-FE)	2006-
			NZE120 (2NZ-FE)	2000-
		SPRINTER	ZZE122, ZZE122G (1ZZ-FE) ZZE123,ZZE123G (2ZZGE)	2000-04
		HILUX	VZN210W, VZN215W (5VZ-FE)	2002-05
			KDN215W (1KD-FTV)	2002-05
			RZN210W, RZN215W (3RZ-FE)	2002-
			TRN210W TRN215W (2TR-FE)	2002-
		LAND CRUISER	VZJ120W, VZJ121W, VZJ125W (5VZ-FE)	2002-05
			RZJ120W, RZJ125W (3RZ-FE)	2002-04
			TRJ120W, TRJ125W (2TR-FE)	2004-
		DYNA TOYOACE	KDY220, KDY230, KDY240V (2KD-FTV)	2004-07
			KDY241V (1KD-FTV)	2007
			KDY270, KDY280, KDY290V (2KD-FTV)	2004-07
			TRY220, TRY230,(1TR-FE)	2003-
			TRY231, TRY281 (1TR-FPE)	2007-
			KDY221, KDY231, KDY241V, KDY271, KDY281 (1KD-FTV)	2007-
		HIACE/REGIUS	TRH102V, TRH112K, TRH112V, (1TR-FE)	2003-
			TRH122K, TRH124B (1TR-FE)	2003-05
		CROWN	GS171 (1G-FE)	2000-01
			TSS10, TSS10H (1TR-FPE)	2008
		MARK II	GX110, (1G-FE)	
		VITZ	SCP10 (1SZ-FE) SCP13,(2SZ-FE)	1999-05
			NCP10, NCP13 NCP91, NCP95 (1NZ-FE, 2NZ-FE)	2000-
			KSP90 (1KR-FE,2SZ-FE)	2005-
		YARIS	(1NZ-FE,2NZ-FE)	
		WISH	ZNE10G, ZNE14G(1AZ-FE/FSE, 1ZZ-FE)	2003-
			ANE10G, ANE11W(1AZ-FSE)	2003-
		PLATZ	SCP11 (1SZ-FE) NCP12 (1NZ-FE) NCP16 (2NZ-FE)	1999-05
		ISIS	ZNM10G, ZNM10W(1ZZ-FE)	2004-
		IST	NCP60 NCP61 NCP65 (1NZ-FE, 2NZ-FE)	2002-03
			NCP110, NCP115 (1NZ-FE)	2007
		SIENTA	NCP81G NCP85G (1NZ-FE)	2003-
		PUREMIO	NZT240 (1NZ-FE)	2001-07
			NZT260 (1NZ-FE)	2007-
		BELTA	NCP96 (2NZ-FE)	2005-
			KSP92 (1KR-FE, 2SZ-FE)	2005-
		MR-S	ZZW30 (1ZZ-FE)	1999-07
	RAUM	NCZ20, NCZ25(1NZ-FE)	2003-	
	RACTIS	NCP100 (1NZ-FE)	2005-	
	CONFORT	TSS13Y (1TR-FE)	2007-	
		TSS11, TSS11Y (1TR-FPE)	2008-	
	AURIS	NZE151H, NZE154H(1NZ-FE)	2006-	
	B B	NCP30, NCP31, NCP35 (1NZ-FE, 2NZ-FE)	2000-02	
		QNC121 (3SZ-VE)	2005-	
		QNC20, QNC25 (K3-VE)	2005-	
TO BE CONTINUED	PASSO	M502E, M512E (3SZ-VE) QNC10 (K3-VE)	2006-	



FDS-4311



FDS-4312



F.D NO.	O.E. (M) NO.	MODEL		YEAR
FDS-4311 CONTINUED		TOYOTA	ZZE122N, ZZE124N, ZZE124 ZZE124G (1ZZ-FE)	2000-07
		SPASIO	KGJ10 (1KR-FE)	2008-
		IQ	NCP20, NCP21, NCP25 (1NZ-FE, 2NZ-FE)	1999-02
		FUNCARGO	NCP50V, NCP51V, NCP52V, NCP55V (1NZ-FE)	
		PRO BOX	NCP58G, NCP59G (1NZ-FE)	2002-03
		VEROSSA	GX110 GX115 (1G-FE)	2001-04
		OPA	ZCT10, ZCT15 (1ZZ-FE)	2000-05
		PORTE	NNP10, NNP11, NNP15 (1NZ-FE, 2NZ-FE)	2004-07
		FJ CRUISER	(1GR-FE)	
		4 RUNNER	(1GR-FE)	
FORTUNER	(1GR-FE)			
LAND CRUISER PRADO	(1GR-FE, 3RZ-FE, 2TR-FE) (2KD-FTV)			
COASTER	(2TR-FE)			
SUZUKI				
ESCUDO	(H27A)			
DAIHATSU				
COO	M402S (3SZ-VE) M401S, M411S (K3-VE)	2006-		
BE-GO	J200G, J210G (3SZ-VE)	2006-		
BOON	M502, M512 (3SZ-VE)	2008-		
	M301S (K3-VE)	2006-		
RUSH	J200E J210E (3SZ-VE)	2006-		
FDS-4312 103mmOD	021580-4670	TOYOTA	ST182/183/183C (3S-GE)	1989-93
	27357-74260	CELICA	ST185 ST185H (3S-GTE)	1989-91
			ST202/203 (3S-FE)	1993-99
			ST202/202C (3S-GE)	1993-99
			ST205 (3S-GTE)	1994-99
			SW20 (3S-GE)	1991-99
			ST170/170G (4S-FE)	1992
			ST180/181 (4S-FE)	1992-93
			ST182/183 (3S-GE/FE)	1989-93
			ST190 (4S-FE)	1992-94
			ST195 (3S-FE)	1992-96
			ST200 (4S-FE)	1993-97
			ST201 (4S-FE)	1993-94
			ST202/203 (3S-FE)	1993-97
			ST202/205 (3S-GE)	1993-98
			ST206/207 (3S-FE)	1994-98
			ST206 (3S-GE)	1994-98
			ST208 (4S-FE)	1995-98
			ST180/181 (4S-FE)	1992-93
			ST182/182A/183 (3S-GE)	1989-93
		ST200 (4S-FE)	1993-98	
		ST201 (4S-FE)	1993-94	
		ST202/203 (3S-FE)	1993-98	
		ST202/205 (3S-GE)	1993-98	
		EL52C (4E-FE)	1998-99	
		SV30 (4S-FE) SV32/33/35	1992	
		ISUZU		
		GEMINI	1991-93	
		KOMATSU		
		EXCAVATOR PC-200	(SAA6D102)	2003-
	EXCAVATOR PC78US-6	(4D95LE)	2002-	
	WHEEL LOADER WA100-5	(SAA4D102)	2003-	



FDS-4313



F.D NO.	O.E. (M) NO.	MODEL		YEAR
FDS-4313 117mmOD	021580-6370	TOYOTA MARK X	GRX130/135 (4GR-FSE)	09~
	021580-7980		GRX120/125 (4GR-FSE)	04~09
	021580-9620		GRX121 (3GR-FSE) GRX133 (2GR-FSE)	04~09
	021580-9370	IPSUM HIACE/REGIUS	ACM21W/26W (2AZ-FE)	03~09
	27357-20270		TRH200K/200V (1TR-FE)	04~09
	27357-30070		TRH211K/216K (2TR-FE)	07~
	27357-58460		TRH214K/219W (2TR-FE)	04~
			TRH221K/223B/224W (2TR-FE)	05~
			TRH226K/228B/229W	
			KDH200K/200V/205K KDH205V/220K/222B	04~07
			KDH225K/227B (2KD-FTV)	
			KDH201K/201V/206K KDH206V/211K/221K	07~10
			KDH223B (1KD-FTV)	
	DYN/TOYOACE	KDY220/230/240V/270 KDY280(2KD-FTV)	04~07	
		KDY221/231/271/281 (1KD-FTV)	07~	
		KDY241V (1KD-FTV)	07~09	
		BZU300/300A/340/410 (1BZ-FNE/FPE)	03~07	
		BZU600 (1BZ-FPE)	11~	
		XZU412 (15B-LPG)	02~03	
		RZU300/300A/301/340 (3RZ-FE/FPE)	03~07	
		TRC600 (2TR-FE)	11~	
		TRU300/300A/340/500/600 (2TR-FE)	07~	
		TRY220/230/231 (1TR-FE/FPE)	03, 09	
	VITZ	NSP130/135 (1NZ-FE)	10~	
		KSP13/90 (1KR-FE)	05~	
		SCP13 (2SZ-FE)	02~05	
		NSP120/122 (1NZ-FE)	10~	
	RACTIS HIACE	KDH201K/201V/206K/206V/ 211K/221K/223B (1KD-FTV)	07~	
		KDH200K/200V/205V/220K/225K/227B (2KD-FTV)	04~07	
		TRH200K/200V (1TR-FE)	09~10	
	RAV4/VANGUARD	TRH223B/224W/228B/229W (2TR-FE)	09~10	
		TRH221S/226S (2TR-FE)	06~	
		GSA33W (2GR-FE)	07~	
	RAV4 HARRIER	ACA31W/33W/36W/38W (2AZ-FE)	05~	
		ACA20W/21W (1AZ-FSE)	03~05	
	BLADE	GSU30W/31W/35W/36W (2GR-FE)	06~08	
		ACU30W/35W (2AZ-FE)	03~	
		MCU30W/31W/35W/36W (1MZ-FE)	03~07	
	AVENSIS	GRE156H (2GR-FE)	07~	
		AZE154H/156H (2AZ-FE)	06~	
IQ WISH	ZRT272W (3ZR-FAE)	11~12		
	AZT250/250W/255/255W (1AZ-FSE)	03~08		
	AZT251/251W (2AZ-FE)	05~08		
PREMIO/ALLION	NGJ10 (1NR-FE)	09~		
	ZGE20G/25G/25W (2ZR-FAE)	09~12		
	ZGE21G/22W (3ZR-FAE)	09~12		
FJ CRUISER	ANE10G/11W (1AZ-FSE)	03~09		
	ZRT260/265 (2ZR-FAE)	07~		
	ZRT261 (3ZR-FAE)	07~		
TO BE CONTINUED			GSJ15W (1GR-FE)	10~



FDS-4313



F.D NO.	O.E. (M) NO.	MODEL		YEAR
FDS-4313 CONTINUED		TOYOTA		
		LAND CRUISER	GRJ150W/151W (1GR-FE)	09~
			GRJ120W/121W (1GR-FE)	05~09
			TRJ150W (2TR-FE)	09~
			KDJ120W/121W/125W (1KD-FTV)	02~06
			URJ202W (1UR-FE)	10~
			UZJ100W/200W (2UZ-FE)	02~
		ISIS	ANM10G/10W/15G/15W (1AZ-FSE)	04~09
			ZGM10G/10W/11G/11W/15G/15W (2ZR-FAE)	09~12
			ZGM11G/11W (3ZR-FAE)	09~
		ESTIMA	ACR30W/40W (2AZ-FE)	03~06
			GSR50W/55W (2GR-FE)	06~12
			ACR50W/55W (2AZ-FE)	06~12
		NOAH/VOXY	AZR60G/65G (1AZ-FSE)	04~07
			AZR70G/70W/75G/75W (3ZR-FE-FAE)	07~
		KLUGER	ACU20W/25W (2AZ-FSE)	03~07
			MCU20W/25W (1MZ-FE)	03~07
		WINDOM	MCV30 (1MZ-FE)	03~06
		CAMRY	ACV30/35 (2AZ-FE)	03~06
			ACV40/45 (2AZ-FE)	06~11
		MARK X ZIO	ANA10/15 (2AZ-FE)	07~
			GGA10 (2GR-FE)	07~
		HILUX	GRN215W (1GR-FE)	05~09
		IST	ZSP110 (2ZR-FAE)	07~10
		AURIS	ZRE152H/154H (2ZR-FE-FAE)	06~
		COROLLA RUMION	ZRE152N/154N (2ZR-FE-FAE)	07~
		COROLLA	ZRE142/142G/144/144G (2ZR-FE-FAE)	06~12
		CROWN	TSS10/10H (1TR-FPE)	10~
			GRS180/200/201 (4GR-FSE)	03~
			GRS181/182/202/203 (3GR-FSE)	03~
			GRS204 (2GR-FSE)	05~
		CONFORT	TSS11/11Y (1TR-FPE)	10~
		ALPHARD/VELLFIRE	GGH20W/25W (2GR-FE)	08~
			ANH10W/15W (2AZ-FE)	05~
			MNH10W/15W (1MZ-FE)	03~08
		QUICK DELIVERY	XKU280K (N04C-TN)	06
		LEXUS		
		IS	GSE20/25 (4GR-FSE)	05~
			GSE21 (2GR-FSE)	05~
		RX	AGL10W (1AR-FE)	10~
			GGL10W/15W/16W (2GR-FE)	09~
		GS	GRS191/196 (2GR-FSE)	05~11
		HINO		
		DUTRO	BZU300M/300X/340M (1BZ-FNE/FPE)	03~07
			XZU412M (15B-LPG)	02~03
			TRU300M/300X/340M/500M (2TR-FE)	07
		DAIHATSU		
ALTIS	ACV40N/45N (2AZ-FE)	06~10		