



FORGED AUTOMOTIVE RACING PISTONS • SPORT COMPACT SERIES

Renault

Kit Part #	Bore mm / Inch	Over Sizes	Stroke	Rod Lgth.	Comp Ht.	Head cc's	Dome Dish	Gasket Thkness	Deck Clearance	Block Ht.	Comp. Ratio	Pin Part # (included)	Ring # (included)	Gram	Foot Notes
F7P 1.8L 16V Clio Williams • Turbo															
KE173M82	82.00	Std.											8200XX	312	
KE173M825	82.50	0.50	83.50	144.00	35.50	45	-14	1.27			8.0:1	21mm	8250XX	318	1
KE173M83	83.00	1.00											8300XX	325	
Standard compression															
KE172M82	82.00	Std.											8200XX	350	
KE172M825	82.50	0.50	83.50	144.00	35.50	45	0	1.27			10.0:1	21mm	8250XX	356	1
KE172M83	83.00	1.00											8300XX	362	
KE172M835	83.50	1.50											8350XX	369	
High compression															
KE174M82	82.00	Std.											8200XX		
KE174M825	82.50	0.50	83.50	144.00	35.50	45	10	1.27			12.0:1	21mm	8250XX		1
KE174M83	83.00	1.00											8300XX		
High compression for 73 mm stroker crank, 1600cc conversion															
KE232M84	84.00	2.00	73.00	159.00	27.00		8.3	1.27			10.5:1	21mm	8400XX	265	1
Optional K1 Rod for F7R Series: Part # 037DZ16144															
Optional K1 Rod for F7P w/ 73mm stroker crank Series: Part # 043DQ16159															

F7R 2.0L 16V Clio Williams • Turbo

KE178M83	83.00	0.30											8300XX	286	
KE178M835	83.50	0.80	93	144.00	30.7	45	-17				8.5:1	21mm	8350XX	290	1
KE178M84	84.00	1.30											8400XX	294	
High compression (stock is 10.0:1)															
KE179M83	83.00	0.30											8300XX	315	
KE179M835	83.50	0.80	93	144.00	30.7	45	1				11.5:1	21mm	8350XX	323	1
KE179M84	84.00	1.30											8400XX	293	
KE180M83	83.00	0.30											8300XX	346	
KE180M835	83.50	0.80	93	144.00	30.7	45	6.5				12.5:1	21mm	8350XX	320	1, B
KE180M84*	84.00	1.30											8400XX	302	
Optional K1 Rod for F7R Series: Part # 037DZ16144															

Subaru

EJ20 2.0L 16V DOHC Impreza WRX October 1998 and older

K576M925	92.50 / 3.642	.020	2.952	5.137	1.312	49	-17.8	.054	.012+	7.913	7.8	S805	9250TX	350	1, 2
K576M93	93.00 / 3.662	.040	75	130.5	33.32			1.37	0.30+	201	7.9	23mm	9300TX	356	

EJ20 79mm Stroker Pre October 1998 (Sleeved blocks without access holes) (Rear Thrust - DOHC Crank)

K579M925	92.50 / 3.642	.020	3.110	5.181	1.181	49	-17.8	.054	0	7.913	8.0	S805	9250TX	339	1, 6
K579M93	93.00 / 3.662	.040	79	131.6	30			1.37	0	201	8.1	23mm	9300TX	348	

EJ20 2.0L 16V Impreza WRX October 1998 and newer

K588M92AP	92.00 / 3.622	Std.								7.913	8.2	S805	9200TX	375	
K588M925AP	92.50 / 3.642	.020	2.952	5.137	1.286	48	-9	.054	.014-	201	8.25	23mm	9250TX	383	1
K588M93AP	93.00 / 3.662	.040	75	130.5	32.66			1.37	0.35-		8.3		9300TX	385	

EJ22 2.2L 16V Legacy Turbo 1991-94 (1996-98 Non Turbo 5.135 rod * 1999+ 5.165 rod)

K601M975	97.50 / 3.838	.020	2.953	5.137	1.312	46.6	-20	.051	.012+	7.913	8.6	S805	9750VF	358	1, 2
K601M98	98.00 / 3.858	.040	75	130.5	33.25			1.3	0.30+	201	8.7	23mm	9800VF	366	

EJ22 with 79mm • EJ25 DOHC Crank and Rods

K602M975	97.50 / 3.838	.020	3.110	5.181	1.191	46.6	-24	.054	.014+	7.913	8.5	S805	9750VF	358	1, 2
K602M98	98.00 / 3.858	.040	79	131.6	30.25			1.37	0.35+	201	8.6	23mm	9800VF	366	

EJ25 2.5L 16V SOHC Impreza RS, Forrester and Legacy

K600M995	99.50 / 3.917	Std.									8.5		9950VF	366	
K600M9975	99.75 / 3.927	.010	3.110	5.181	1.161	50	-18	.054	.016-	7.913	8.55	S805	9975VF	370	1
K600M100	100 / 3.937	.020	79	131.6	29.5			1.37	0.4-	201	8.6	23mm	10000VF	371	

EJ25 2.5L 16V DOHC Impreza RS, Forrester and Legacy

K599M995	99.50 / 3.917	Std.									8.65		9950VF	361	
K599M9975	99.75 / 3.927	.010	3.110	5.167	1.191	46.6	-23	.054	0	7.913	8.7	S805	9975VF	367	1
K599M100	100 / 3.937	.020	79	131.25	30.25			1.37	0	201	8.75	23mm	10000VF	366	



Subaru

Kit Part #	Bore mm / Inch	Over Sizes	Stroke	Rod Lgth.	Comp Ht.	Head cc's	Dome Dish	Gasket Thickness	Deck Clearance	Block Ht.	Comp. Ratio	Pin Part # (included)	Ring # (included)	Gram	Foot Notes
EJ257 2.5L 16V WRX STI, 2004 and Up • 2006+ WRXEJ255															
K598M995AP	99.50 / 3.917	Std.	3.110	5.137	1.209	51	-19	.021	.012-	7.913	9.0	S805	9950VF	379	1
K598M9975AP	99.75 / 3.927	.010	79	130.5	30.7			0.5	0.30-	201	9.05	23mm	9975VF	382	
K598M100AP	100 / 3.937	.020									9.1		10000VF	385	

Optional K1 Rod for EJ18/20/22/25/257 Series: Part # 039DD21131 (5.137" / 130.5mm)

Optional K1 Rod for EJ25 Non Turbo Series: Part # 039DD21132 (5.181" / 131.6mm)

Part # 038ADD750 75mm Stroke

Part # 038ADD790 79mm Stroke

Part # 038ADD830 83mm Stroke (For Stroker Custom Pistons Only)

All have: 8-Bolt Flanges * EJ20/25 Main & Rod Journals * 21 lbs.

FA20 2.0L BRZ, 2012 (also 4U-GSE, Scion FR-S & Toyota GT-86)

Gas Ported, .225" wall Tool Steel Pins															
K684M86AP	3.386 / 86.00	Std.	3.385	5.091	1.285	39	-16	.025	.0025	8.071	9.5	S734	8600XX		1
			86	129.3	32.64			.64		205		22mm			
K685M86AP	3.386 / 86.00	Std.	3.385	5.091	1.285	39	-9.5	.025	.0025	8.071	10.5	S734	8600XX		1
			86	129.3	32.64			.64		205		22mm			

Suzuki

G13B 1.3L 16V Turbo • Swift GTI

KE247M74	74.00 / 2.913	Std.											2913XC		
KE247M745	74.50 / 2.933	.50	75.5	120.0	28.30		-8				8.5:1	19mm	2933XC		
KE247M75	75.00 / 2.953	1.00											7500XX		

M16A 1.6L 16V • Swift Sport

KE248M78	78.00 / 3.071	Std.											7800XX	246	
KE248M785	78.50 / 3.091	.50	83.0	136.0	30.0		-15	0.70			9.0:1	S623	7850XX	251	
KE248M79	79.00 / 3.110	1.00										20mm	7900XX	256	
KE249M78	78.00 / 3.071	Std.											7800XX	267	
KE249M785	78.50 / 3.091	.50	83.0	136.0	30.0		-1.5	0.70			12.0:1	S623	7850XX	272	
KE249M79	79.00 / 3.110	1.00										20mm	7900XX	277	

Optional K1 Rod for M16A Series: Part # 040DE14136

Foot Notes (far right column)

- 1 - Most Wiseco Pistons have offset pins. (Pins must be offset, same as OEM, for quietest operation).
 - 2 - Due to compression height that may protrude above the deck, it is recommended that a 1.00mm thick head gasket is used.
 - 6 - These pistons have an oil ring groove that is lower than OE. Will not work with sleeves with access hole if the oil ring is not pinned in place.
- B - Build to order.





FORGED AUTOMOTIVE RACING PISTONS • SPORT COMPACT SERIES

Toyota (Con. rod small end 1.000" or less for Asymmetric forgings - K677 & K678)

Kit Part #	Bore mm / Inch	Over Sizes	Stroke	Rod Lgth.	Comp Ht.	Head cc's	Dome Dish	Gasket Thkness	Deck Clearance	Block Ht.	Comp. Ratio	Pin Part # (included)	Ring # (included)	Gram	Foot Notes
20R 2.2L 8V • Celica															
K509M90	90.00 / 3.543	.060	3.504 89	5.827 148	1.533 38.95	80	24.7	.051 1.3	.002- 0.05-	9.114 231.5	9.89	S566 22mm	3543XC	414	3
22R 2.4L 8V • Celica 1981-84															
<i>4032 Alloy</i>															
K509M925	92.50 / 3.642	.020	3.504 89	5.827 148	1.533 38.95	83	24.7	.051 0.051	.002- 0.05-	9.114 231.5	9.89	S566 22mm	3642XC	457	3
K509M94	94.00 / 3.701	.080	3.504 89	5.827 148	1.533 38.95	83	24.7	.051 0.051	.002- 0.05-	9.114 231.5	10.13	S566 22mm	3701XC	484	3
22RE - Short deck 1985 4-Runner															
K528M94	94.00 / 3.701	.080	3.504 89		1.374 34.9	57.5	-2 FT	.047 1.2		9.032 229.40	10.07	S566 22mm	3701XC	413	3
2AZFE 2.4L 16V • Scion TC															
K641M885	88.50 / 3.484	Std.									8.96		8850XX	313	
K641M89	89.00 / 3.504	.020	3.780 96	5.885 149.5	1.309 33.25	40	-29	.023 0.58	.010- 0.25-	9.094 231	9.05	S710 22mm	8900XX	321	
K641M895	89.50 / 3.524	.040	3.780 96	5.885 149.5	1.309 33.25	40	-29	.023 0.58	.010- 0.25-	9.094 231	9.14	S710 22mm	8950XX	329	
K641M90	90.00 / 3.543	.060	3.780 96	5.885 149.5	1.309 33.25	40	-29	.023 0.58	.010- 0.25-	9.094 231	9.22	S710 22mm	9000XX	337	
Optional K1 Rod for Scion TC 2.4 Series: Part # 041DI17150															
2JZGTE 3.0L 24V • Supra 1993-98															
K550M86AP	86.00 / 3.386	Std.									8.3		8600XX	331	
K550M8625AP	86.25 / 3.396	.010	3.386 86	5.590 142	1.338 34	45	-14.8	.056 1.42	.001- 0.02-	8.622 219	8.34	S625 22mm	8625XX	342	1, 3
K550M865AP	86.50 / 3.405	.020	3.386 86	5.590 142	1.338 34	45	-14.8	.056 1.42	.001- 0.02-	8.622 219	8.39	S625 22mm	8650XX	334	1, 3
K550M87AP	87.00 / 3.425	.040	3.386 86	5.590 142	1.338 34	45	-14.8	.056 1.42	.001- 0.02-	8.622 219	8.47	S625 22mm	8700XX	340	1, 3



Asymmetric Skirt • .225" wall Tool Steel Pins

K677M86AP	86.00 / 3.386	Std.									9.51		8600XX		
K677M8625AP	86.25 / 3.396	.010	3.386 86	5.590 142	1.338 33.98	45	-5.3	.056 1.42	.001 0.02	8.622 219	9.56	S734 22mm	8625XX		1
K677M865AP	86.50 / 3.405	.020	3.386 86	5.590 142	1.338 33.98	45	-5.3	.056 1.42	.001 0.02	8.622 219	9.6	S734 22mm	8650XX		1
K677M87AP	87.00 / 3.425	.040	3.386 86	5.590 142	1.338 33.98	45	-5.3	.056 1.42	.001 0.02	8.622 219	9.68	S734 22mm	8700XX		1
K678M86AP	86.00 / 3.386	Std.									10.5		8600XX		
K678M8625AP	86.25 / 3.396	.010	3.386 86	5.590 142	1.338 33.98	45	0.8	.056 1.42	.001 0.02	8.622 219	10.55	S734 22mm	8625XX		1
K678M865AP	86.50 / 3.405	.020	3.386 86	5.590 142	1.338 33.98	45	0.8	.056 1.42	.001 0.02	8.622 219	10.59	S734 22mm	8650XX		1
K678M87AP	87.00 / 3.425	.040	3.386 86	5.590 142	1.338 33.98	45	0.8	.056 1.42	.001 0.02	8.622 219	10.68	S734 22mm	8700XX		1
Optional K1 Rod for Toyota 2JZGTE: Part # 041DJ17142															
2RZ-FE 2.4L 16V • 1995-03															
K642M95	95.00 / 3.740	Std.	3.385 86	5.315 135	1.398 35.50	58	-10	.040 1	.020- 0.5-	8.435 214	8.74		9500XX	408	
K642M955	95.50 / 3.760	.020	3.385 86	5.315 135	1.398 35.50	58	-10	.040 1	.020- 0.5-	8.435 214	8.81	S627 24mm	9550XX	416	1
K642M96	96.00 / 3.780	.040	3.385 86	5.315 135	1.398 35.50	58	-10	.040 1	.020- 0.5-	8.435 214	8.88	S627 24mm	9600XX	424	1
2ZZ Celica 1.8L 16V (also Pontiac Vibe and Lotus Elise, Sleeve bore for best results)															
K565M82	82.00 / 3.228	Std.	3.346 85	5.429 137.9	1.228 31.2	38	-16	.020 0.5	.006- 0.15-	8.336 211.75	8.8	S549 20mm	8200XX	284	1
K569M82	82.00 / 3.228	Std.	3.346 85	5.429 137.9	1.228 31.2	38	0.2	.020 0.5	.006- 0.15-	8.336 211.75	11.87	S549 20mm	8200XX	319	
3RZ-FE 2.7L 16V • 1995-03															
K642M95	95.00 / 3.740	Std.	3.740 95	5.787 147	1.398 35.50	58	-10	.040 1	.098- -2.5	9.153 232.5	8.25		9500XX	408	
K642M955	95.50 / 3.760	.020	3.740 95	5.787 147	1.398 35.50	58	-10	.040 1	.098- -2.5	9.153 232.5	8.31	S627 24mm	9550XX	416	1
K642M96	96.00 / 3.780	.040	3.740 95	5.787 147	1.398 35.50	58	-10	.040 1	.098- -2.5	9.153 232.5	8.37	S627 24mm	9600XX	424	1

Toyota

Kit Part #	Bore mm / Inch	Over Sizes	Stroke	Rod Lgth.	Comp Ht.	Head cc's	Dome Dish	Gasket Thickness	Deck Clearance	Block Ht.	Comp. Ratio	Pin Part # (included)	Ring # (included)	Gram	Foot Notes
3SGTE 2.0L 16V • Celica / MR2 1989-95															
K615M86AP	86.00 / 3.386	Std.									8.88		8600XX	353	1, 3
K615M8625AP	86.25 / 3.396	.010	3.385	5.433	1.378	49	-6	.056	.001-	8.505	8.92	S625	8625XX	356	
K615M865AP	86.50 / 3.405	.020	86	138	35			1.42	0.02-	216	8.96	22mm	8650XX	374	
K615M87AP	87.00 / 3.425	.040									9.04		8700XX		
3TC 1.8L 16V • Corolla (with 63cc head)															
K547M87	87.00 / 3.425	.080	3.070	4.842	1.375	63	-2 FT	.040	.006	7.758	7.44	S625	8700XX	344	3
K547M89	89.00 / 3.504	.160	78	123	34.92			1.00	-0.15	197	7.72	22mm	8900XX	377	
K508M86	86.00 / 3.386	.040	3.070	4.842	1.375	63	20.6	.040	.006	7.758	10.21	S566	8600XX	392	3
K508M87	87.00 / 3.425	.080	78	123	34.92			1.00	-0.15	197	10.4	22mm	8700XX	400	
K508M89	89.00 / 3.504	.160									10.77		8900XX	406	
13.5:1 Compression Ratio															
K686M86AP	86.00 / 3.386	.040									13.5		8600XX		1, 3
K686M8625AP	86.25 / 3.396	.050	3.070	4.850	1.367	63	33.5	.040	.006	7.758	13.55	S550	8625XX		
K686M865AP	86.50 / 3.405	.060	78	123	34.92			1.00	-0.15	197	13.6	22mm	8650XX		
K686M87AP	87.00 / 3.425	.080									13.72		8700XX		
K686M89AP	89.00 / 3.504	.160									14.2		8900XX		
4AG 1.6L 16V • Celica / MR2															
NOTE: Check piston pin size before ordering (1985-87 has 18mm pin, 1988-89 has 20mm pin)															
18mm Pin, 4032 Alloy															
K533M815	81.50 / 3.209	.020	3.031	4.804	1.208	35-39	5	.05	.031-	7.559	10.17 - 11.09	S524	3208XC	290	
K533M82	82.00 / 3.228	.040	77	122	30.68			1.25	0.76-	192	10.25 - 11.8	18mm	3228XC	296	
19mm Pin, 4032 Alloy															
K505M815	81.50 / 3.209	.020	3.031	4.804	1.208	35-39	5	.05	.031-	7.559	10.17 - 11.09	S475	3208XC	289	
			77	122	30.68			1.25	0.76-	192		19mm			
20mm Pin, 4032 Alloy															
K506M815	81.50 / 3.209	.020	3.031	4.804	1.208	35-39	5	.05	.031-	7.559	10.17 - 11.09	S520	3208XC	287	3
K506M82	82.00 / 3.228	.040	77	122	30.68			1.02	0.76-	192	10.25 - 11.8	20mm	3228XC	294	
Toyota 4E-FTE & 5E-FE															
4E-FTE															
K687M745AP	74.50 / 2.933	.020	3.047	4.646	1.177	39	-2.5 FT	.047	.016-	7.362	8.1	S621	2933XC		
K687M75AP	75.00 / 2.953	.040	77.4	118	29.9			1.2	0.41-	187	8.2	18mm	2953XC		
5E-FE															
K687M745AP	74.50 / 2.933	.020	3.425	5.138	1.177	39	-2.5 FT	.040	.0035	8.031	9.2	S621	2933XC		
K687M75AP	75.00 / 2.953	.040	87	130.5	29.9			1.0	.09	204	9.3	18mm	2953XC		
7MGTE 3.0L 24V • Supra 1986-92															
K613M83	83.00 / 3.268	Std.									9.0		8300XX	317	1,2,3
K613M835	83.50 / 3.287	.020	3.583	5.988	1.299	40	-16	.047	.008+	9.070	9.08	S625	8350XX	322	
K613M84	84.00 / 3.307	.040	91	152	33			1.2	0.2+	230.5	9.18	22mm	8400XX	327	
K613M845	84.50 / 3.327	.060									9.28		8450XX	332	
4U-GSE 2.0L Toyota GT-86 & Scion FR-S (also FA20 2.0L BRZ)															
Gas Ported, .225" wall Tool Steel Pins															
K684M86AP	3.386 / 86.00	Std.	3.385	5.091	1.285	39	-16	.025	.0025	8.071	9.5	S734	8600XX		1
			86	129.3	32.64			.64		205		22mm			
K685M86AP	3.386 / 86.00	Std.	3.385	5.091	1.285	39	-9.5	.025	.0025	8.071	10.5	S734	8600XX		1
			86	129.3	32.64			.64		205		22mm			

Foot Notes (far right column)

- 1 - Most Wiseco Pistons have offset pins. (Pins must be offset, same as OEM, for quietest operation).
- 2 - Due to compression height that may protrude above the deck, it is recommended that a 1.00mm thick head gasket is used.
- 3 - Optional pin upgrade available. See page 98 for info.