

Timing Code	Engine Series*	Push Rod Travel (Inches)							
		Fast	Slow	Nominal	Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
A	NH	-0.0395	-0.0435	-0.0415	-0.2032	138808	--	69550	--
B	NH	-0.0275	-0.0315	-0.0295	-0.2032	44035	--	69550	--
C	NH	-0.0315	-0.0355	-0.0335	-0.2032	44035	--	69550	--
D	NH	-0.034	-0.038	-0.036	-0.2032	44035	--	69550	--
E	NH	-0.027	-0.031	-0.029	-0.2032	44035	--	69550	--
F	V6-V8	-0.058	-0.064	-0.061	-0.2032	--	--	200709	Front
G	V6-V8	-0.046	-0.052	-0.049	-0.2032	--	--	200711	Rear
H	V6-V8	-0.044	-0.050	-0.047	-0.2032	--	--	200709	Rear
I	V6-V8	-0.050	-0.056	-0.053	-0.2032	--	--	S-302	--
J	V6-V8	-0.046	-0.052	-0.049	-0.2032	--	--	S-302	--
K	V6-V8	-0.062	-0.068	-0.065	-0.2032	--	--	--	--
L	V6-V8	-0.0575	-0.0645	-0.0610	-0.2032	--	--	200708	Front
M	C-J	-0.0265	-0.0315	-0.0290	-0.1711	--	--	S-302	--
N	C-J	-0.0348	-0.0398	-0.0373	-0.1711	--	--	200704	Front
O	C-J	-0.0206	-0.0256	-0.0231	-0.1711	--	--	200704	Rear
Q	V6-V8	-0.051	-0.057	-0.054	-0.2032	--	--	200709	Front
R	V-12	-0.071	-0.076	-0.0735	-0.2032	3021601	--	208746	Rear
S	V-12	-0.032	-0.036	-0.034	-0.2032	--	--	200722	Rear
T	V-12	-0.042	-0.047	-0.0445	-0.2032	--	3021597	202600	Rear

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
U	V-12	-0.050	-0.055	-0.0525	-0.2032	--	--	200707	Front
V	V-12	-0.0285	-0.0325	-0.0305	-0.2032	--	--	--	--
W	V-8	-0.0425	-0.0475	-0.045	-0.1694	--	--	--	--
X	VT-8	-0.0525	-0.0575	-0.055	-0.1694	--	--	--	--
Y	NH	-0.037	-0.041	-0.039	-0.2032	138808	--	69550	--
Z	NH	-0.024	-0.028	-0.026	-0.2032	44035	--	69550	--
AA	NH	-0.029	-0.033	-0.031	-0.2032	44035	--	69550	--
AB	V6-V8	-0.075	-0.081	-0.078	-0.2032	--	--	200709	Rear
AC	NH	-0.026	-0.030	-0.028	-0.2032	44035	--	69550	--
AD	V-12	-0.028	-0.032	-0.030	-0.2032	--	--	200712	Front
AE	KT-1150(450)	-0.106	-0.110	-0.108	-0.2032	--	--	216782	--
AF	NH	-0.043	-0.047	-0.045	-0.2032	138808	--	200723	--
AG	V6-V8	-0.063	-0.069	-0.066	-0.2032	--	--	200711	--
AH	NH	-0.033	-0.037	-0.035	-0.2032	44035	--	69550	--
AI	NH	-0.032	-0.036	-0.034	-0.2032	44035	--	69550	--
AJ	KTA-2300(1200)	-0.124	-0.128	-0.126	-0.2032	--	--	--	--
AJ	KTA-2300(1050)	-0.124	-0.128	-0.126	-0.2032	--	--	200706	--
AK	NH	-0.039	-0.043	-0.041	-0.2032	13880	--	200707	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
AL	KT-2300(900)	-0.106	-0.110	-0.108	-0.2032	200714	--	3000492	--
AM	--	-0.116	-0.120	-0.118	-0.2032	--	--	216782, S-302	
AM	--	-0.116	-0.120	-0.118	-0.2032	--	--	3021594	--
AN	NH	-0.044	-0.048	-0.046	-0.2032	138808	--	200723	--
AQ	NH	-0.040	-0.044	-0.042	-0.2032	138808	--	200713	--
AS	NH	-0.034	-0.038	-0.036	-0.2032	44035	--	69550	--
AT	NH	-0.028	-0.032	-0.030	-0.2032	44035	--	69550	--
AU	NH	-0.047	-0.051	-0.049	-0.2032	138808	--	208746	--
AV	NH	-0.048	-0.052	-0.050	-0.2032	138808	--	208746	--
AV	NH	-0.048	-0.052	-0.050	-0.2032	44035	3021597	202600	(Optional Parts)
AW	NH (Big Cam)	-0.058	-0.062	-0.060	-0.2032	3016887	3021592	200707	--
AX	NT (Big Cam)	-0.053	-0.057	-0.055	-0.2032	3016887	3021601	69550	--
AY	NH	-0.038	-0.042	-0.040	-0.2032	138808	--	69550	--
AZ	NT (Big Cam)	-0.057	-0.061	-0.059	-0.2032	3016887	3021592	200707	--
BA	NT (Big Cam)	-0.026	-0.030	-0.028	-0.2032	3016887	3021597	202600	Front

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
BB	NT (Big Cam)	-0.098	-0.102	-0.100	-0.2032	3016887	3021601	69550	--
BC	NH	-0.022	-0.026	-0.024	-0.2032	44035	--	69550	--
BD	NT (Big Cam)	-0.093	-0.097	-0.095	-0.2032	3016887	3021601	69550	--
BE	V6-V8	-0.056	-0.062	-0.059	-0.2032	--	--	--	--
BF	V6-V8	-0.076	-0.082	-0.079	-0.2032	--	--	--	--
BG	V6-V8	-0.091	-0.097	-0.094	-0.2032	--	--	200714	Front
BH	NH	-0.050	-0.054	-0.052	-0.2032	138808	--	208746	--
BI	NT (Big Cam)	-0.103	-0.107	-0.105	-0.2032	3016887	3021601	69550	--
BJ	NT (Big Cam)	-0.108	-0.112	-0.110	-0.2032	3016887	3021592	200707	--
BK	V6-V8	-0.066	-0.072	-0.069	-0.2032	--	--	200708	--
BL	KTA-1150	-0.161	-0.165	-0.163	-0.2032	--	--	--	--
BM	NT (Big Cam)	-0.051	-0.055	-0.053	-0.2032	3016887	3021599	3012328	--
BN	V6-V8	-0.081	-0.087	-0.084	-0.2032	--	--	200709	Front
BQ	NT (Big Cam)	-0.113	-0.117	-0.115	-0.2032	3016887	3021596	200723	--
BS	NT (Big Cam)	-0.070	-0.074	-0.072	-0.2032	3016887	3021598	208746	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
BT	NT (Big Cam)	-0.079	-0.083	-0.081	-0.2032	3016887	3021600	3012307	--
BU	NT (Big Cam)	-0.063	-0.067	-0.065	-0.2032	3016887	3021596	200723	--
BV	NT (Big Cam II)	-0.060	-0.064	-0.062	-0.2032	3016887	3021592	200707	--
BW	NT (Big Cam II)	-0.065	-0.069	-0.067	-0.2032	3016887	3021596	200723	--
BX	V6-V8	-0.080	-0.086	-0.083	-0.2032	--	--	216782	--
BY	NTE (Big Cam)	-0.063	-0.067	-0.065	-0.2032	3016887	3021596	200723	--
BZ	V6-V8	-0.086	-0.092	-0.089	-0.2032	--	--	200704	--
CA	NH-300	-0.093	-0.097	-0.095	-0.2032	Variable	3022353	--	--
CB	NTCC-350	-0.103	-0.107	-0.105	-0.2032	Variable	3021595	Advanced Timing -0.065	
CC	NTCC-400	-0.113	-0.117	-0.115	-0.2032	Variable	3021595	200712 Advanced Timing -0.062	
CD	NT (Big Cam)	-0.072	-0.076	-0.074	-0.2032	3016887	3021597	202600	--
CE	N-855 (Big Cam)	-0.025	-0.029	-0.027	-0.2032	3016887	3021601	69550	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
CF	NT	-0.036	-0.040	-0.038	-0.2032	138808	3021592	200707	--
CG	VTB	-0.091	-0.097	-0.094	-0.2032	--	--	3000492	--
CH	NT (Big Cam)	-0.050	-0.054	-0.052	-0.2032	3016887	3021601	--	--
CI	KT-1150	-0.112	-0.116	-0.114	-0.2032	--	--	200711	--
CJ***	NT	-0.065	-0.069	-0.067	-0.2032	138808	--	200707	--
CK	10-Litre	-0.068	-0.072	-0.070	-0.2032	--	3009953	--	--
CL	KTA-1150(700)	-0.142	-0.146	-0.144	-0.2032	--	--	--	--
CM	NTCC-300	-0.098	-0.102	-0.100	-0.2032	Variable	3022357	Advanced Timing -0.060	
CN	NTCC-300	-0.103	-0.107	-0.105	-0.2032	Variable	3021599	Advanced Timing -0.065	
CO***	NT	-0.0624	-0.0628	-0.0626	-0.2032	138808	--	69550	--
CP	NTC-475	-0.118	-0.122	-0.120	-0.2032	Variable	3021592	200707 Advanced Timing -0.060	
CQ	V6-V8	-0.110	-0.116	-0.113	-0.2032	--	--	--	

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
CR	NTCC-350	-0.108	-0.112	-0.110	-0.2032	Variable	3021601	Advanced Timing -0.067	
CS	VTB-OBV	-0.108	-0.114	-0.111	-0.2032	Must use 3026138 camgear	--		
CT	N14	-0.071	-0.075	-0.073	-0.2032	3016887	3021601	Use 3022341 camshaft	
CU	KTA-1150	-0.126	-0.130	-0.128	-0.2032	--	--	3000492	--
CV	KTA-2300	-0.151	-0.155	-0.153	-0.2032	--	--	--	--
CW	VT-A-1710	-0.0575	-0.0625	-0.0600	-0.2032	--	--	3021594	--
CX	L10, 10 Litre	-0.078	-0.082	-0.080	-0.2032	--	3009953	--	--
CY	L10, 10 Litre	-0.073	-0.077	-0.075	-0.2032	--	3009953	--	--
DA**	V6-V8	-0.048	-0.052	-0.050	-0.2032	--	S-313	--	--
DB**	V6-V8	-0.059	-0.063	-0.061	-0.2032	--	S-313	--	--
DC**	V6-V8	-0.054	-0.058	-0.056	-0.2032	--	S-313	--	--
DD**	V6-V8	-0.060	-0.064	-0.062	-0.2032	--	200717	--	Front
DE**	V6-V8	-0.076	-0.080	-0.078	-0.2032	--	200717	--	Front
DF**	V6-V8	-0.063	-0.067	-0.065	-0.2032	--	S-313	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
DG**	V6-V8	-0.046	-0.050	-0.048	-0.2032	--	S-313	--	--
DH**	V6-V8	-0.0695	-0.0725	-0.071	-0.2032	--	--	--	--
DJ	VT-555 (Small Cam)	-0.072	-0.076	-0.074	-0.2032	--	--	--	--
DK**	VT-504 (Big Cam)	-0.100	-0.104	-0.102	-0.2032	--	--	--	--
DL**	VT-170 (Big Cam)	-0.093	-0.097	-0.095	-0.2032	--	--	--	--
DM**	V-504 (Big Cam)	-0.085	-0.089	-0.087	-0.2032	--	--	--	--
DN**	VT-225 (Big Cam)	-0.095	-0.101	-0.098	-0.2032	--	--	--	--
DP**	VT-210 (Big Cam)	-0.097	-0.103	-0.100	-0.2032	--	--	--	--
DR**	VT-555	-0.079	-0.085	-0.082	-0.2032	--	--	--	--
DS**	V-504 (Big Cam)	-0.076	-0.082	-0.079	-0.2032	--	--	--	--
DT**	V-504	-0.066	-0.072	-0.069	-0.2032	--	--	--	--
DV**	VT-555 (Big Cam)	-0.106	-0.110	-0.108	-0.2032	--	--	--	--
DW	VT-555 (Big Cam)	-0.086	-0.090	-0.088	-0.2032	--	--	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
FA	NTA14-350	-0.107	-0.111	-0.109	-0.2032	3029216	3021601	--	--
FB	NTA14-400	-0.127	-0.131	-0.129	--0.2032	3023216	3021601	--	--
FC	L10, 10 Litre	-0.083	-0.087	-0.085	-0.2032	--	3030894	--	--
FD	NTA14-400	-0.144	-0.148	-0.146	-0.2032	3029216	3021596	--	--
FE	NTCC-240	-0.103	-0.107	-0.105	-0.2032	Variable	3021599	Advanced Timing -0.044	
FF	83NT400	--	--	--	--	--	--	Not Released	
FG	NTCC-400	-0.123	-0.127	-0.125	-0.2032	Variable	3021596	Advanced Timing -0.065	
FH	NTCC-350	-0.118	-0.122	-0.120	-0.2032	Variable	3021592	Advanced Timing -0.067	
FI	NTC-400	-0.069	-0.072	-0.070	-0.2032	3016887	3021601	--	--
FJ	L10, 10 Litre	-0.080	-0.084	-0.082	-0.2032	--	3009948	--	Rear
FK	N14	-0.125	-0.129	-0.127	-0.2032	3023216	--	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
FL	NTCC-300	-0.108	-0.112	-0.110	-0.2032	Variable	3021601	Advanced Timing -0.048	
FM	N14	-0.134	-0.138	-0.136	-0.2032	3029216	3021592	--	--
FN	L10, 10 Litre	-0.094	-0.096	-0.095	-0.2032	--	3030893	--	Rear
FO	L10, 10 Litre	-0.096	-0.100	-0.098	-0.2032	--	3009949	--	Rear
FP	Small Vee	-0.050	-0.054	-0.052	-0.2032	--	200716	--	--
FQ	NTCC-475	--	--	--	--	--	--	Not Released	
FR	L10, 10 Litre	-0.101	-0.105	-0.103	-0.2032	--	3009948	--	--
FS	L10, 10 Litre	-0.088	-0.092	-0.090	-0.2032	--	3009953	--	--
FT	NTTA-855	-0.114	-0.118	-0.116	-0.2032	Variable	3021593	--	--
FU	NTC-400	-0.054	-0.058	-0.056	-0.2032	133808	3021600	--	--
FV	NTA14-300	-0.116	-0.120	-0.118	-0.2032	--	3021601	--	--
FW	NTA14-350	-0.134	-0.138	-0.136	-0.2032	--	3021595	--	--
FX	NTA14-450	-0.154	-0.158	-0.156	-0.2032	--	3021595	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
FY	NTA14-450	-0.124	-0.128	-0.126	-0.2032	--	3021592	--	--
FZ	NH-855-C	-0.073	-0.077	-0.075	-0.2032	--	3021597	--	--
GA	NH-855-R	-0.030	-0.034	-0.032	-0.2032	3036939	3021592	--	--
GB	NHHTCC-350/300	-0.123	-0.127	-0.125	-0.2032	Variable	3021596	Advanced Timing -0.065	
GC	NH-855	-0.056	-0.060	-0.058	-0.2032	--	3021600	--	--
GD	L-10	-0.103	-0.107	-0.105	-0.2032	--	3009949	--	--
GE	NT-855	-0.063	-0.067	-0.065	-0.2032	3016887	3021595	--	--
GF	NT-855	-0.071	-0.075	-0.073	-0.2032	3016887	3021594	--	--
GG	NT-855	-0.083	-0.087	-0.085	-0.2032	3016887	3022353	Not Released	
GH	NH-855	-0.088	-0.092	-0.090	-0.2032	3016887	3022352	--	--
GI	L-10	-0.084	-0.088	-0.086	-0.2032	--	3030895	--	--
GJ	NH-855	-0.101	-0.105	-0.103	-0.2032	3016887	3021594	Not Released	
GK	NT-855	-0.078	-0.082	-0.080	-0.2032	3016887	3021594	--	--
GL	NH-855	-0.130	-0.134	-0.132	-0.2032	3036939	3024697	Not Released	
GM	NT-855	-0.099	-0.103	-0.101	-0.2032	3036939	3021601	--	--
GN	L10	-0.076	-0.080	-0.078	-0.2032	--	3030893	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
GO	NT-400	-0.210	-0.214	-0.212	-0.2032	3016887	3021601	Ref: CPL 911 & 967-ECI	
GP	L10	-0.071	-0.075	-0.073	-0.2032	--	3009948	--	Front
GQ	KTTA50	-0.177	-0.181	-0.179	-0.2032	--	S-302	--	--
GR	88NT855	-0.136	-0.140	-0.138	-0.2032	3036939	3021594	--	--
GS	88NT855	-0.131	-0.135	-0.133	-0.2032	3036939	3021592	--	--
GT	L10	-0.074	-0.078	-0.076	-0.2032	--	3009948	--	--
GU	NTA855-G	-0.105	-0.107	-0.106	-0.2032	--	3021594	--	--
GW	NTA855-G/GS/GC	-0.105	-0.109	-0.107	-0.2032	3036939	3021594	--	--
GX	LTA10	-0.140	-0.144	-0.142	-0.2032	--	3030895	ECI	--
GY	KTAA19-C	-0.172	-0.176	-0.174	-0.2032	--	200709	--	--
GZ	L10	-0.086	-0.090	-0.088	-0.2032	--	3009953	--	Front
HA	L10	-0.175	-0.179	-0.177	-0.2032	--	3030893	--	Front
HB	L10	-0.098	-0.102	-0.100	-0.2032	--	3030895	--	Front
HC	K19	-0.173	-0.177	-0.175	-0.2032	--	200709	--	--
HD	V903	-0.107	-0.113	-0.110	-0.2032	--	3063734	--	--
HE	KH38	-0.198	-0.202	-0.200	-0.2032	--	S-302	--	--
HF	Fleet 285	-0.093	-0.097	-0.095	-0.2032	3030893	3022352	--	--
HG	N855	-0.034	-0.038	-0.036	-0.2032	3016887	3021598	--	--
HH	88 BCIV	-0.102	-0.106	-0.104	-0.2032	3030893	3021601	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
HI	NTC-444	-0.093	-0.097	-0.095	-0.2032	3016887	3037633	--	--
HJ	L10	-0.078	-0.082	-0.080	-0.2032	--	3009949	--	Front
HK	L10	-0.080	-0.084	-0.082	-0.2032	--	3030893	--	Front
HL	91NT	-0.277	-0.281	-0.279	-0.2032	3064322	3021601	--	--
HM	L10	-0.197	-0.201	-0.199	-0.2032	--	3009953	--	--
HN	L10	-0.144	-0.148	-0.146	-0.2032	--	3030895	--	Rear
HO	NH-CELECT	-0.162	-0.166	-0.164	-0.2032	3036939	3021601	--	--
HP	88NT-Fleet 350	-0.126	-0.130	-0.128	-0.2032	3036939	3021601	--	--
HQ	KTA38-G3	-0.191	-0.195	-0.193	-0.2032	--	200706(L. B.)	--	--
HR	KTA50	-0.181	-0.185	-0.183	-0.2032	--	S-302	--	--
HS	NT855	-0.133	-0.137	-0.135	-0.2032	3036939	3021594	--	--
HT	NT855	-0.262	-0.268	-0.264	-0.2032	--	3024697	--	--
HU	NT855	-0.178	-0.182	-0.180	-0.2032	--	3021595	--	--
HV	91NT	-0.172	-0.176	-0.174	-0.2032	3066337	3021594	--	--
HW	Fleet 300	-0.096	-0.099	-0.098	-0.2032	3036939	3021599	--	--
HX	NT855	-0.170	-0.174	-0.172	-0.2032	--	3021601	--	--
HY	L10	-0.204	-0.206	-0.205	-0.2032	--	3030894	--	Rear
HZ	L10 CELECT	-0.233	-0.237	-0.235	-0.2032	--	3030893	--	Rear

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
IA	NTA855-A	-0.094	-0.096	-0.095	-0.2032	3016887	3021593	--	--
IB	LTA10-G	-0.094	-0.098	-0.096	-0.2032	--	3009948	--	Rear
IC	KTA-38	-0.184	-0.188	-0.186	-0.2032	--	200708	--	--
ID	GLTA10-240	17°	BTDC	--	--	--	3009953	--	--
IE	NTA-400C	-0.084	-0.086	-0.085	-0.2032	3016887	3022352	--	--
IF	KTA19-C	-0.167	-0.169	-0.168	-0.2032	3060897	--	--	--
IG	V903(600)	-0.118	-0.124	-0.121	-0.2032	--	3063734	--	--
IH	N14	-0.376	-0.378	-0.377	-0.2032	3074174	3024697	--	--
II	N14	-0.147	-0.149	-0.148	-0.2032	3055280	3021601	See ****	
IJ	N14	-0.350	-0.352	-0.351	-0.2032	3075047	3037633	--	--
IK	N14	-0.153	-0.155	-0.154	-0.2032	3066337	3022353	--	--
IL	L10	-0.139	-0.143	-0.141	-0.2032	--	3009948	--	Front
IM	N14	-0.312	-0.314	-0.313	-0.2032	3075053	3024697	--	--
IN	N14	-0.247	-0.253	-0.250	-0.2032	3072419	3021601	--	--
IO	L10	-0.143	-0.147	-0.145	-0.2032	--	3009953	--	--
IP	N14	-0.340	-0.342	-0.341	-0.2032	3075053	3021595	--	--
IQ	KV0484	-0.204	-0.210	-0.207	-0.2032	--	--	--	--
IR	KV0483	-0.189	-0.195	-0.192	-0.2032	--	--	--	--
IS	NTA-855	-0.089	-0.091	-0.090	-0.2032	3016887	3021599	--	--
IT	L10	-0.259	-0.263	-0.261	-0.2032	--	3009953	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
IU	N14	-0.349	-0.355	-0.352	-0.2032	3075053	3021592	--	--
IV	KTA-50 G5	-0.228	-0.232	-0.230	-0.2032	--	--	S-302	--
IX	L10	-0.254	-0.258	-0.256	-0.2032	--	3009953	--	--
IY	K	-0.349	-0.8032	-0.	-0.2032	--	--	--	--
IZ	N14	-0.166	-0.168	-0.167	-0.2032	3083971	3021599	--	--
JA	M11	-0.134	-0.138	-0.136	-0.2032	--	3009948	--	Rear
JB	N14	-0.339	-0.345	-0.342	-0.2032	3083971	3021601	--	--
JC	V-903	-0.121	-0.127	-0.124	-0.2032	--	3063734	--	--
JD	N14	-0.327	-0.333	-0.330	--	3083971	3021601	--	--
JE	--	-0.186	-0.190	-0.188	--	--	--	--	--
JF	--	-0.276	-0.282	-0.279	--	--	--	--	--
JG	--	-0.136	-0.140	-0.138	--	--	3009948	--	Rear
JI	D	-0.160	-0.002	-0.	-0.2032	--	3037633	--	--
JJ	K19	-0.134	-0.138	-0.136	-0.2032	--	3021599	--	--
JK	--	-0.164	+/- .001	--	--	--	--	--	--
JL	--	-0.128	-0.132	0.130	--	--	--	--	--
JM	--	-0.132	-0.136	0.134	--	--	--	--	--
JN	--	--	--	--	--	--	200708	--	--
JO	K16	-0.138	-0.142	0.140	--	--	--	--	--
JP	--	--	--	--	--	--	--	--	--

Timing Code	Engine Series*	Push Rod Travel (Inches)			Piston Travel (Inches)	Cambox	3/4 in. Key Number	1 in. Key Number	Arrow Location
		Fast	Slow	Nominal					
JQ	--	-0.213	-0.219	0.216	--	--	--	--	--
JR	--	-0.055	-0.059	-0.057	--	--	--	--	--
JS	--	-0.214	-0.218	-0.216	--	--	--	S-302	--
JT	KTA-500	-0.232	-0.236	-0.234	--	--	200704	--	--
JU	K50	-0.246	-0.250	-0.248	-0.2032	--	--	S-302	--
JV	N14	-0.359	-0.365	-0.362	-0.2032	3329615	3021601	--	--
JW	96 N14 -S TC	-0.169	-0.171	-0.170	-0.2032	3865239	3021599	--	--
JX	--	-0.392	-0.396	-0.394	-0.2032	--	--	S-302	--
JY	--	-0.366	-0.370	-0.368	-0.2032	--	--	S-302	--
JZ	KTA38G6	-0.220	-0.224	-0.222	-0.2032	--	200711	--	--
KA	K50	-0.233	-0.237	-0.235	--	--	--	S-302	--
46	Signature 600	(All timing values measured at 0.2032 BTDC Piston Travel)							

Note : (*) NOTES CHANGE TO A TIMING CODE .

Note : Timing mark alignment is not required for the Nippondenso EP9 or Robert Bosch P7100 dirve gear.

*Check the engine dataplate and/or CPL listing for specific engine model designation.

**DA through DZ have been assigned to Darlington.

***This timing code can only be achieved if Part No. 3023224 Cam Gear is used with Part No. 143450, 152960, 3023227 or 3023229 Camshafts or Part No. 215966 Cam Gear is used with Part No. 3028462 Camshaft. See CPL-0558.

****Use steel shim, Part No. 3074499, and two 0.032 soft gaskets under the cam boxes.

*****For engines with dual overhead cams (Signature 600), there are no static timing values. A two digit numerical timing code used to describe the reusable timing wedge angle is described as: The degrees of angle of the timing wedges that are inserted to set the relative position of the camshafts and camshaft drive gears to assure the correct timing of injectors and valves. Use a two position numeric code, where the first digit represents the wedge angle for the injector side and the second digit represents the wedge angle for the valve side.

Last Modified: 01-Nov-2004
