

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
MA10		4	68			12010-01B01 (12010-01B02)			3		
MA12		4	71			12010-16B61			3		
J13	R010-H10000	4	73			12010-13201 (12010-H5101)			3		
A10		4	73			12010-18021 (12010-H2301) (12010-H2361)			3		
A12	11012-H1000 11012-B3200	4	73		S	12010-H1001 (12010-H1011) (12010-H1061)			3		
A13		4	73			12010-H6201 (12010-H6211)			3		
D11		3	73			1210-H2361					
E10S		4	73			12010-41M02			3		
GA14		4	73.6			12010-87A61			3		
A12S	11012-H1000	4	73			12010-H8511 (12010-H8521)			3		
A12	11012-H1000	4	73			12010-(H9012) (12010-H9022)			3 3		
A12A	11012-H1000	4	73			12010-H9502 (12010-H9512)			3		
A14	11012-H1000	4	76		S	12010-H7201 (12010-H7211) (12010-H7711)			3		
A14S	11012-H7200	4	76			12010-H7511 (12010-H7521) (12010-H7685) 12010-H8911/21 (12010-H8931) (12010-H9221)			3 3		
A14	11012-H7200	4	76			12010-H7684 12010-H8702			3 3		
A15S	11012-H7200	4	76			12010-G3411 (12010-G3421) (12010-H9261)			3		
A15	11012-H7200	4	76			12010-H9704 12010-H9714 12010-H9802			3 3 3		
E13S		4	76			12010-01M02 (12010-01M12) (12010-01M22)			3 3		
E15S		4	76			12010-11M02 (12010-11M12) (12010-19M02)			3		

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E15		4	76			12010-19M22 (12010-73A22) 12010-11M22 (12010-13M02) (12010-13M22) 12010-15M02			3 3 3		
E15T		4	76			12010-17M12			3		
E15		4	76			12010-31M02			3		
E16		4	76			12010-33M22			3		
A13		4	76			12010-H8661			3		
GA16S		4	76			12010-94M61			3		
GA16DS		4	76			A2010-74Y00			3		
J14	32606-18000	4	76								
J15	11012-B3000	4	77.95	S		12010-01W02/12 (12010-E3002)			3		
J16	11012-13200										
L20		6	77.95			12010-E3001					
L20A	12033-73042 12033-01200 12033-Y7000 12033-Y7010 12033-Y7011					12010-F5112 (12010-Y7002) (12010-Y7012) 12010-Y4002 (12010-Y6402/12) (A2010-E3019)			3 3 3		
L20T		6	77.95			12010-V0301			3		
L20		6	77.95			12010-V0301			3		
L20E		6	77.95			12010-03L02 (12010-14S01)			3		
L20		6	77.95			12010-15S02 (12010-15S12)			3		
VG20		V6	77.95			12010-V5101			3		
VG20ET		V6	77.95			12010-V5311			3		
CA16	12033-55M00	4	77.95			12010-06E01/11 (12010-D1101/11)			3		
RB20E		4	77.95			12010-55S01			3		
CD17	11012-16A02 11012-16A00					12010-16A02 12010-17A02 12010-17A04 12010-71A02			3 3 3		
J18	11033-N7900 12033-24W00	4	80.5			12010-J22G0			3		
L13		4	83			12010-22001			3		
L14						(12010-22101)					

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L14		4	83			12010-H2701 12010-H2711 12010-69811 12010-H2501 (12010-H2511)			3 3 3 3		
L13		4	83			12010-U8772			3		
L13,L14, L16T	11012-21000	4	83			12010-A8601 (12010-A8612)			3		
L16	11012-U2000	4	83			12010-23002 (12010-E3101) 12010-A9601 (12010-A9611) 12010-A3501 (12010-A3512)			3 3 3		
Z16		4	83			12010-W7111			3		
CA18		4	83			12010-01F01/11 (12010-D0301) (12010-D1201)			3		
CA18ET		4	83			12010-17F11			3		
Z16		4	83			12010-W7161			3		
L23		6	83			12010-69811			3		
L24		6	83			12010-E3111			3		
L24E		6	83			12010-A8601 (12010-A8612)			3		
L24S		6	83			12010-27L02			3		
L24		6	83			12010-H2501 (12010-H2511)			3		
L24E		6	83			12010-W2402 (12010-W3102)			3 3		
L26		6	83			12010-23002 (12010-E3101)			3		
SD22	11012-76200 11012-76201 11012-76202	4	83			12010-R8110 12010-36W10 (12010-R8111) 12010-J5310 (12010-Y1411) (12010-Y5210) (12010-Y5211) 12010-Y5212 12010-J5312	96.0	26	3 3 5 5		NDDKT3001 NDDKT0401 NDDKT2201 NDDKT0301 NDDKT2401 NDDKT2301
SD33 SD33T	11012-76200 11012-76201	6	83			12010-C8602 12010-C8701			3		
CA20S		4	84.5			12010-D1801			3		
CD20	11012-57J00	4	84.5			12010-57J00 12010-57J01 12010-8E100					

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CA20	11012-U8501	4	84.5			12010-04F01 (12010-04F11) (12010-10F01) 12010-13E11			3 3		
LD28	11012-V0702	6	84.5			12010-V0702 (12010-V5702) 12010-V0762 (12010-W2502)			3 3		
G16		6	85			12010-R3001 (12010-R3011)			3		
G18		4	85			12010-78508 (12010-78515) 12010-R3301			3 3		
L18	11012-U2000 11012-78500	4	85			12010-A8701 (12010-W2000) 12010-A8711 (12010-W0801) (12010-W0811) 12010-U2021			3 3 3		
L20(B)	11012-U6000	4	85	S		11012-U6001 (12010-U6011) 12010-04W01			3 3		
Z18		4	85			12010-N8301/11 (12010-S5801) (12010-W0421/11) 12010-W1501 (12010-W1511)			3 3		
Z20	11012-U6000	4	85			12010-W1411 (12010-W1421) (12010-W1461) 12010-W4001 12010-82W01			3 3 3		
Z20S	11012-U6000	4	85			12010-N85010 12010-N85011 (12010-N8521) (12010-N8701) 12010-N8711			3 3		
Z20	11012-U6000	4	85			12010-N8411 12010-N8421 12010-V2801			3 3 3		
LD20	11012-V2801 11012-N8411 11012-A8701	4	85			12010-18L02 12010-W1702 12010-W1762			3 3		

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LD20T	12033-W4200	4	85			12010-W3402			3		
LD22(N)	11012-W1702 11012-W1700 11012-W1000	4	85			12010-G5502 12010-G5562			3 3		
RD28	11012-22J64 11012-22J17	6	85			12010-22J64 A2010-V7213			3 3		
RD28T	11012-22J64 11012-22J17	6	85			A2010-VB300					
P680	11012-58000	6	3-3/8 85.69			12010-58000 (12010-58022) 12010-58100 (12010-80000 (12010-C8010)			3 3		
L28E		6	86			12010-Y4111 (12010-Y4121) 12010-Y8602 (12010-Y8612) 12010-P7902 (12010-P7912)			3 3 3		
L28S		6	86			12010-C6412			3		
L28	11012-N4200	6	86			12010-P9012			3		
RB26		V6	86			A2010-05U11			3		
RB24S		6	86			12010-76L01			3		
SR20DE		4	86			A2010-63J00			3		
SR20DET		4	86			A2010-54C00			3		
RB30		6	86			12010-67S11 (12010-67S21)			3		
RB20E		4	86								
YD22		4	86			A2010-AW400 A2010-4U166 A2010-8H800					
Z22S	11012-06W11	4	87			12010-06W11			3		
Z22	11012-U8001	4	87			12010-D8101			3		
VG30		V6	87			12010-V5901 (12010-V7101)			3		
VG30E		V6	87			12010-21P61 A2010-10G61 12010-V7161			3 3 3		
VG30ET		V6	87			12010-02P01 (12010-03P01)			3		
VG30DE		V6	87			A2010-96E00			3		
H20	11012-14600	4	87.2	S		12010-74001 (12010-R9001) 12010-74501			3 3		

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U20		4	87.2			12010-25511			3		
G20		4	89			12010-E6831 12010-E6621			3 3		
FJ20ET		4	89			12010-R2201			3		
Z24	11012-10W01 11012-30W01	4	89			12010-83W01 12010-30W01			3 3		
KA24E		4	89			12010-86G20			3		
KA24		4	89			12010-30R12			3		
SD23	11012-L2002 11012-L2003 11012-L2000 11012-L2006	4	89			12011-09W01 12010-T6202 12010-T6212 (12011-T6272) 12010-09W01 (12010-29W00) (12010-6203/13/73) 12010-T6205 12012-T6203	89.8	26	3	8	NDDKT3101 NDDKT3201 NDDKT3801
SD25	11012-L2002 11012-L2003 11012-L2000 11012-L2006	4	89			12011-L2002 (12010-L2012) (12010-L2072) 12010-T7210 (12010-T7211) 12011-T7200 12011-T7204 12011-T7205	90.0	26	3 3	8	11000-L2000 NDDKT3401 NDDKT4101 NDDKT3002
TD23	11012-02N10 11012-29W00 12033-02N10 12033-02N00 11012-02N01	4	89			12011-02N01 (12010-02N11) 12010-02N06/7 (12010-02N16/7)	84.0 84.0	26 26	3 3	8 8	
YD25		4	89			A2010-VK510 A2010-VK515 A2010-VK516					
BD25	11012-44G10 11012-44G40	4	92.9			12010-87G11			3		
TD25	11012-44G10 11012-44G40	4	92.9			12011-44G10					KK1201144G10
TB42		4	96			12010-03J61	80.0	23	3		
TD27	11012-43G00 11012-43G05 11012-43G10 11012-43G11 11012-44G20	4	96	160		12011-43G01 12010-43G02/12 12011-10T02/12 12010-6T000/10	87.2	28	3 3		NDDKT3427 KK1201110T02

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TD27T	11012-43G00 11012-43G05 11012-43G10 11012-43G11 11012-44G20	4	96	160		12010-05D00 12010-05D10 12010-31N03 12010-9C626 12010-10T05 A2010-9C626	87.0	30	3K		
TD27II	11012-43G00 11012-43G05 11012-43G10 11012-43G11 11012-44G20	4	96	160		A2010-9C626 12010-7F406 A2010-7F406 A2010-7F407 A2010-7F408	87.0	30	3K		
TD42	11012-06J00/10	6	96	160		12010-43G02 (12010-43G12)	87.0	30	3K		
BD30	11012-54T00	4	96	172.4		12010-54T00/10	89.5	30	3	3	
BD30T	11012-54T00	4	96	172.4		12010-69T05/06	89.5	30	3K		
ED30	11012-J2000/01 11012-2S605	4	98	184.5		12010-J2000 (12010-J2001) 12010-J5571	103.0	32	4 4 3	8	11000-J2000
QD32	11012-2S611 11012-2S611	4	99.2	155		12010-2S605	69.5	33	3		
QD32T	11012-2S611 11012-2S611	4	99.2	155		12010-2S615	69.5	33	3K	CH	
ED33	11012-T9000 11012-T9001	4	100	191		12011-T9000/01 12010-J6500/01 12010-T9010/20 12010-02T10	103.0	34	3 3 3 3		NDDKT2601
FD33	11012-02T00/01 11012-02T10	4	100	191		12010-T9313	98.2	34	3	1	
FD33T	11012-02T00/01 11012-02T10 11012-T9000 12033-T9302 12033-T9308	4	100	191		12011-T9313 12011-T9314 12010-T9300	103.0	34	3		NDDKT3701 (NDDKT3901)
ED6	11012-Z5001/02 11012-Z5012	6	100	212		12011-Z5000/02	103.0	34	4		11000-Z5026
FD6	11012-Z5020 11021-Z5001 11012-Z5001 11012-Z5512	6	100	217		12011-Z5572 12011-Z5571 12011-Z5505 12011-Z5573 12011-Z5502 12011-Z5512 12011-Z5516 12010-Z5576	109.5	34	3 3		11000-Z5031 11000-Z5058 11000-Z5057 11000-Z5061 NDDKT2701 NDDKT2801 NDDKT2501 NDDKT4300

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FD6T	11012-Z5001 11012-Z5502 11012-Z5020 11012Z5100 11012-Z5512	6	100	217		12011-Z5509 12011-Z5513 12011-Z5509 12011-Z5572 12010-Z5600	109.5	34	3		11000-Z5029 11000-Z5059 11000-Z5030 11000-Z5060 NDDKT4100
FD35	11012-01T13 12033-01T10 11012-01T14 11012-01T01	4	102.5	191		12010-01T04/14	98.2	34	3	1	
FD35T	12033-01T60 11012-01T01	4	102.5	191		12010-01T03/13	98.2	34	3		
ED35	11012-01T01 12033-56T10	4	102.5	191		12010-56T12	98.0	34	3	8	
FE6	11012-Z5518 11012-Z5604	6	108	217		12011-Z5618/15 12011-Z5801	109.5	34	3		NDDKT4200 11000-Z5525
FE6TA	11012-Z5518 11012-Z5604	6	108	217		12011-Z5507	103.0	34	3K	200ps	11000-Z5529
FE6B	11012-Z5518 11012-Z5604	6	108	217		12011-Z5764 12010-96507 12011-96507 12011-Z5768	103.0	36	3K		11000-Z5625
FE6T	11012-Z5518 11012-Z5604	6	108	217		12011-Z5702 12011-Z5968 12011-Z5502 12011-Z5772	103.0	36	3K		11000-Z5628
FD42	11012-0T000	4	108	197		12010-0T015 12010-0T016					
FD46	11012-0T300	4	108	213.5		12010-0T302 12010-0T312	87.0	36	3		
FD46T	11012-0T300	4	108	213.5		12010-0T311 12010-19D00	87.0	36	3K		
UD3	11012-90006	3	110			12010-90000	155.0	38	6		
UD4	11012-90006	4	110			12010-90000	155.0	38	6		
UD5	11012-90006	5	110			12010-90000	155.0	38	6		
UD6	11012-90006	6	110			12010-90000	155.0	38	6		
UD8	11012-90006	8	110			12010-90000	155.0	38	6		
ND6	11012-95001	6	110			12011-90000	155.0	38	3		11000-95026
ND6T	11012-95001	6	110			12011-95004	113.3	36	3	1	11000-95029
NE6	11012-95002	6	110			12011-95010 12011-95073 12011-95105	110.3	36	3 3	1	11000-95027 11000-95028 KK1201195105
NE6T	11012-95002 11012-95064	6	110			12011-95062 12011-95074	110.2	36	3		KK1201195062 11000-95128
NF6		6	120			12011-95512	116.0	44	3K		

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PD6	11012-96000/01	6	125			12011-96000 12011-96007 12011-96008	132.0	46	3		11000-96028 11000-96027
PD6T	11012-96000/01 11012-96067	6	125			12011-96005 (12011-96009) 12011-96013	132.0	46	3K		11000-96029
PE6	11012-96500/01	6	120			12011-96516	132.0	46	3K		11000-96125
PE6H	11012-96501 11012-96566	6	133			12011-96517 12011-96518	132.0	46	3K		11000-96128 KK1201196518
PE6T	11012-96501 11012-96566 11012-96566 11012-96501T	6	133			12011-96565 12011-96578 12011-96564 12011-96572 12011-96509	132.0	46	3K		11000-96127 11000-96328 11000-96127 KK1201196572
PE6TB	11012-96607	6	133			12011-96600	132.0	46	3K		
PF6T	11012-96607	6	133			12011-96964 12011-96576 12011-91690 12013-96669	136.0	50	3K		
PF6TB	11012-96607	6	133			12011-96504	136.0	50	3K		
RD8	11012-97025 11012-97062 11012-97063 11012-98001	8	135			12011-97079 12011-97079 (12011-97012) 12011-97169 12011-97004/06	137.0	46	3	1	11000-97026 11000-97029 11000-97090
RD8T	11012-97001	8	135			12011-97177	136.0	46	3K		11000-97028
RD10	11012-97001	10	135			12011-97004/06 12011-97012/79			3		
RE8	11012-97118 11012-97161 11012-97202	8	135	F.Cr F.Cr F.Cr		12011-97107	137.0	46		1	11000-97079
RE8A	11012-97165	8	135	F.Cr		12011-97118	137.0	46			11000-97128
RF8	11012-97171(8) 11012-97164	8	138	F.Cr F.Cr		12011-97162 12011-97165 12011-97161 12011-97165	137.0	46	3		11000-97326 11000-97327 11000-97228 11000-97081
RG8	11012-97177	8	142			12011-97765 12011-97766 12011-97772 12011-97776	137.0	50	3		
RH8	11012-97213	8	150				134.0	50	3		