

TECH RAY TECHNOLOG

TECH RAY TECHNOLOGY CO., LTD.

3F-1, No.545, Sec.2, Taiwan Blvd., West Dist., Taichung City, Taiwan. (40360)

TEL: +886-4-23260119 FAX: +886-4-23268220

E-mail: jomes_wu@hotmail.com



Auto Spare Parts

NISSAN

Liner, Piston & Kit

Engine Model	No. Cyl.	Bore mm	Cylinder Liner			Piston			Liner Kit Or Remarks
			No.	L	Code	No.	Ring	Al	

MA10	4	68.0				12010-01B01 (12010-01B02)	3			
MA12	4	71.0				12010-16B61	3			
J13	4	73.0	R010-H10000			12010-13201 (12010-B5101)	3			
A10	4	73.0				12010-18021 (12010-H2301) (12010-H2361)	3			
A12	4	73.0	11012-H1000 11012-B3200	S		12010-H1001 (12010-H1011) (12010-H1061)	3			
A13	4	73.0				12010-H6201 (12010-H6211)	3			
D11	3	73				1210-H2361				
E10S	4	73.0				12010-41M02	3			
GA14	4	73.6				12010-87A61	3			
A12S	4	73.0	11012-H1000			12010-H8511 (12010-H8521)	3			
A12	4	73.0	11012-H1000			12010-H9012 12010-H9022	3 3			
A12A	4	73.0	11012-H1000			12010-H9502 (12010-H9512)	3			
A14	4	76.0	11012-H7200	S		12010-H7201 (12010-H7211) (12010-H7711)	3			
A14S	4	76.0	11012-H7200			12010-H7511 (12010-H7521) (12010-H7685) 12010-H8911/21 (12010-H8931) (12010-H9221)	3 3			
A14	4	76.0	11012-H7200			12010-H7684 12010-H8702	3 3			
A15S	4	76.0	11012-H7200			12010-G3411 (12010-G3421) (12010-H9261)	3			
A15	4	76.0	11012-H7200			12010-H9704 12010-H9714 12010-H9802	3 3 3			
E13S	4	76.0				12010-01M02 (12010-01M12) 12010-01M22	3 3			
E15S	4	76.0				12010-11M02 (12010-11M12) (12010-19M02)	3			
E15	4	76.0				12010-19M22 (12010-73A22) 12010-11M22	3 3			

Code: S=Semi-Finish, F=Finish, All=S&F, B=Blacking (Phosphated), Cr=Chromed, F=Phosphated
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						(12010-13M02) (12010-13M22) 12010-15M02	3			
E15T	4	76.0				12010-17M12	3			
E15	4	76.0				12010-31M02	3			
E16	4	76.0				12010-33M22	3			
A13	4	76.0				12010-H8661	3			
GA16S	4	76.0				12010-94M61	3			
GA16DS	4	76.0				A2010-74Y00	3			
J14	4	76	32606-18000							
J15	4	77.95	11012-B3000	S		12010-01W02/12	3			
J16			11012-13200			(12010-E3002)				
L20	6	77.95				12010-E3001	3			
L20A	6	77.95	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	4	77.95	12033-55M00			12010-06E01/11 (12010-D1101/11)	3			
RB20E	4	77.95				12010-55S01	3			
CD17	4	80.0	11012-16A02 11012-16A00			12010-16A02 12010-17A02 12010-17A04 12010-71A02	3 3 3			
J18	4	80.5	11033-N7900 12033-24W00			12010-J22G0	3			
L13	4	83.0				12010-22001	3			
L14						(12010-22101)				
L14	4	83.0				12010-H2701 12010-H2711 12010-69811 12010-H2501 (12010-H2511)	3 3 3 3			
L13	4	83.0				12010-U8772	3			
L13,L14, L16T	4	83.0	11012-21000	S		12010-A8601 (12010-A8612)	3			
L16	4	83.0	11012-U2000			12010-23002	3			

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			No.	L	Code	No.	Ring	Al	

						(12010-E3101)				
						12010-A9601	3			
						(12010-A9611)				
						12010-A3501	3			
						(12010-A3512)				
Z16	4	83.0				12010-W7111	3			
CA18	4	83.0				12010-01F01/11	3			
						(12010-D0301)				
						(12010-D1201)				
CA18ET	4	83.0				12010-17F11	3			
Z16	4	83.0				12010-W7161	3			
L23	6	83.0				12010-69811	3			
L24	6	83.0				12010-E3111	3			
L24E	6	83.0				12010-A8601	3			
						(12010-A8612)				
L24S	6	83.0				12010-27L02	3			
L24	6	83.0				12010-H2501	3			
						(12010-H2511)				
L24E	6	83.0				12010-W2402	3			
						12010-W3102	3			
L26	6	83.0				12010-23002	3			
						(12010-E3101)				
SD22	4	83.0	11012-76200			12010-R8110	3			NDDKT3001
			11012-76201			12010-36W10	3			NDDKT0401
			11012-76202			(12010-R8111)				NDDKT2201
						12010-J5310	5			
						(12010-Y1411)				
						(12010-Y5210)	5			
						(12010-Y5211)				NDDKT0301
						12010-Y5212				NDDKT2401
						12010-J5312				NDDKT2301
SD33	6	83.0	11012-76200			12010-C8602	3			
SD33T			11012-76201			12010-C8701				
CA20S	4	84.5				12010-D1801	3			
CD20	4	84.5	11012-57J00			12010-57J00				
						A2010-57J01				
						A2010-8E100				
CA20	4	84.5	11012-U8501			12010-04F01	3			
						(12010-04F11)				
						(12010-10F01)				
						12010-13E11	3			
LD28	6	84.5	11012-V0702			12010-V0702	3			
						(12010-V5702)				
						12010-V0762	3			
						(12010-W2502)				
G16	6	85.0				12010-R3001	3			
						(12010-R3011)				
G18	4	85.0				12010-78508	3			

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			No.	L	Code	No.	Ring	AI	

						(12010-78515) 12010-R3301	3			
L18	4	85.0	11012-U2000 11012-78500			12010-A8701 (12010-W2000) 12010-A8711 (12010-W0801) (12010-W0811) 12010-U2021	3 3 3			
L20(B)	4	85.0	11012-U6000	S		12010-U6001 (12010-U6011) 12010-04W01	3 3			
Z18	4	85.0				12010-N8301/11 (12010-S5801) (12010-W0421/11) 12010-W1501 (12010-W1511)	3 3			
Z20	4	85.0	11012-U6000			12010-W1411 (12010-W1421) (12010-W1461) 12010-W4001 12010-82W01	3 3 3			
Z20S	4	85.0	11012-U6000			12010-N85010 12010-N85011 (12010-N8521) (12010-N8701) 12010-N8711	3 3			
Z20	4	85.0	11012-U6000			12010-N8411 12010-N8421 12010-V2801	3 3 3			
LD20	4	85.0	11012-V2801 11012-N8411 11012-A8701			12010-18L02 12010-W1702 12010-W1762	3 3			
LD20T	4	85.0	12033-W4200			12010-W3402	3			
LD20(N)	4	85.0	11012-W1702 11012-W1700 11012-W1000			12010-G5502 12010-G5562	3 3			
RD28	6	85.0	11012-22J64 11012-22J17			12010-22J64 A2010-V7213	3 3			
RD28T	6	85.0	11012-22J64 11012-22J17			A2010-VB300				
P680	6	3-3/8 85.69	11012-58000			12010-58000 (12010-58022) 12010-58100 (12010-80000) (12010-C8010)	3 3			
L28E	6	86.0				12010-Y4111 (12010-Y4121) 12010-Y8602	3 3			

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			No.	L	Code	No.	Ring	Al	

						(12010-Y8612) 12010-P7902 (12010-P7912)	3			
L28S	6	86.0				12010-C6412	3			
L28	6	86.0	11012-N4200			12010-P9012	3			
RB26	V6	86.0				A2010-05U11	3			
RB24S	6	86.0				12010-76L01	3			
SR20DE	4	86.0				A2010-63J00	3			
SR20DET	4	86.0				A2010-54C00	3			
RB30	6	86.0				12010-67S11 (12010-67S21)	3			
RB20E	4	86.0								
YD22	4	86.0				A2010-AW400 A2010-4U166 A2010-8H800				
Z22S	4	87.0	11012-06W11			12010-06W11	3			
Z22	4	87.0	11012-U8001			12010-D8101	3			
VG30	V6	87.0				12010-V5901 (12010-V7101)	3			
VG30E	V6	87.0				12010-21P61 A2010-10G61 12010-V7161	3 3 3			
VG30ET	V6	87.0				12010-02P01 (12010-03P01)	3			
VG30DE	V6	87.0				A2010-96E00	3			
H20	4	87.2	11012-14600	S		12010-74001 (12010-R9001) 12010-74501	3 3 3			
U20	4	87.2				12010-25511	3			
G20	4	89.0				12010-E6831 12010-E6621	3 3			
FJ20ET	4	89.0				12010-R2201	3			
Z24	4	89.0	11012-10W01 11012-30W01			12010-83W01 12010-30W01	3 3			
KA24E	4	89.0				12010-86G20	3			
KA24	4	89.0				A2010-30R12	3			
SD23	4	89.0	11012-L2002 11012-L2003 11012-L2000 11012-L2006			12011-09W01 12010-T6202 12010-T6212 (12010-T6272) 12011-09W01 (12010-29W00) (12010-6203/13/73) 12010-T6205 12012-T6203	3 3 3			NDDKT3101 NDDKT3201 NDDKT3801
SD25	4	89.0	11012-L2002 11012-L2003 11012-L2000			12011-L2002 (12010-L2012) (12010-L2072)	3			11000-L2000

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			No.	L	Code	No.	Ring	Al	
			11012-L2006			12010-T7210 (12010-T7211) 12011-T7200 12011-T7204 12011-T7205	3		NDDKT3401 NDDKT4101 NDDKT3002
TD23	4	89.0	11012-02N10 11012-29W00 12033-02N10 12033-02N00 11012-02N01			12011-02N01 (12010-02N11) 12010-02N06/7 (12010-02N16/7)	3 3		
YD25	4	89.0				A2010-VK510 A2010-VK515 A2010-VK516			
BD25	4	92.9	11012-44G10 11012-44G40			12010-87G11	3		
TD25	4	92.9	11012-44G10 11012-44G40			12011-44G10			KK1201144G10
TB42	4	96.0				12010-03J61	3		
TD27	4	96.0	11012-43G00 11012-43G05 11012-43G10 11012-43G11 11012-43G20	160.0		12011-43G01 12010-43G02/12 12011-10T02/12 12010-6T000/10	3 3		NDDKT3427 KK1201110T02
TD27T	4	96.0	11012-43G00 11012-43G05 11012-43G10 11012-43G11 11012-43G20	160.0		12010-05D00 12010-05D10 12010-31N03 12010-9C626 12010-10T05 A2010-9C626			
TD27II	4	96.0	11012-43G00 11012-43G05 11012-43G10 11012-43G11 11012-43G20	160.0		A2010-9C626 12010-7F406 A2010-7F406 A2010-7F407 A2010-7F408			
TD42	6	96.0	11012-06J00/10	160.0		12010-43G02 (12010-43G12)	3		
BD30	4	96.0	11012-54T00	172.4		12010-54T00/10	3		
BD30T	4	96.0	11012-54T00	172.4		12010-69T05/06	3K		
ED30	4	98.0	11012-J2000/01 11012-2S605	184.5		12010-J2000 (12010-J2001) 12010-J5571	4 4 3		11000-J2000
QD32	4	99.2	11012-25611 11012-2S611	155.0		12010-2S605	3		
QD32T	4	99.2	11012-25611 11012-2S611	155.0		12010-2S615			
ED33	4	100.0	11012-T9000 11012-T9001	191.0		12011-T9000/01 12010-J6500/01 12010-T9010/20	3 3 3		NDDKT2601

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						12010-02T10	3			
FD33	4	100	11012-02T00/01 11012-02T10	191.0		12011-T9313	3			
FD33T	4	100.0	11012-02T00/01 11012-02T10 11012-T9000 12033-T9302 12033-T9308	191.0		12011-T9313 12011-T9314 12010-T9300	3			NDDKT3701 (NDDKT3901)
ED6	6	100.0	11012-Z5001/02 11012-Z5012	212.0		12011-Z5000/02				11000-Z5026
FD6	6	100.0	11012-Z5020 11021-Z5001 11012-Z5001 11012-Z5512	217.0		12011-Z5572 12011-Z5571 12011-Z5505 12011-Z5573 12011-Z5502 12011-Z5512 12011-Z5516 12010-Z5576	3 3			11000-Z5031 11000-Z5058 11000-Z5057 11000-Z5061 NDDKT2701 NDDKT2801 NDDKT2501 NDDKT4300
FD6T	6	100.0	11012-Z5001 11012-Z5502 11012-Z5020 11012Z5100 11012-Z5512	217.0		12011-Z5509 12011-Z5513 12011-Z5509 12011-Z5572 12010-Z5600	3			11000-Z5029 11000-Z5059 11000-Z5030 11000-Z5060 NDDKT4100
FD35	4	102.5	11012-01T13 12033-01T10 11012-01T14 11012-01T01	191.0		12010-01T04/14	3			
FD35T	4	102.5	12033-01T60 11012-01T01	191.0		12010-01T03/13	3			
ED35	4	102.5	11012-01T01 12033-56T10	191.0		12010-56T12	3			
FE6	6	108.0	11012-Z5518 11012-Z5604	217.0		12011-Z5618/15 12011-Z5801				NDDKT4200 11000-Z5525
FE6TA	6	108.0	11012-Z5518 11012-Z5604	217.0		12011-Z5507				11000-Z5529
FE6B	6	108.0	11012-Z5518 11012-Z5604	217.0		12011-Z5764 12010-96507 12011-96507 12011-Z5768				11000-Z5625
FE6T	6	108.0	11012-Z5518 11012-Z5604	217.0		12011-Z5702 12011-Z5968 12011-Z5502 12011-Z5772				11000-Z5628
FD42	4	108.0	11012-0T000	197.0		12010-0T015 12010-0T016				
FD46	4	108.0	11012-0T300	213.5		12010-0T302 12010-0T312				
FD46T	4	108.0	11012-0T300	213.5		12010-0T311				

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						12010-19D00			
UD3	3	110.0	11012-90006			12010-90000	6		
UD4	4	110.0	11012-90006			12010-90000	6		
UD5	5	110.0	11012-90006			12010-90000	6		
UD6	6	110.0	11012-90006			12010-90000	6		
UD8	8	110.0	11012-90006			12010-90000	6		
ND6	6	110.0	11012-95001			12011-95000	3		11000-95026
ND6T	6	110.0	11012-95001			12011-95004	3		11000-95029
NE6	6	110.0	11012-95002			12011-95010	3		11000-95027
						12011-95073	3		11000-95028
						12011-95105			KK1201195105
NE6T	6	110.0	11012-95002 11012-95064			12011-95062	3		KK1201195062
						12011-95074			11000-95128
NF6T	6	120				12011-95512			
PD6	6	125.0	11012-96000/01			12011-96000	3		11000-96028
						12011-96007			11000-96027
						12011-96008			
PD6T	6	125.0	11012-96000/01 11012-96067			12011-96005	3		11000-96029
						(12011-96009)			
						12011-96013			
PE6	6	133.0	11012-96500/01			12011-96516	3		11000-96125
						12011-96570			11000-96129
						12011-96508			
PE6H	6	133.0	11012-96501 11012-96566			12011-96517			11000-96128
						12011-96518			KK1201196518
PE6T	6	133.0	11012-96501 11012-96566 11012-96566 11012-96501T			12011-96565	3		11000-96127
						12011-96578			11000-96328
						12011-96564			11000-96127
						12011-96572			KK1201196572
						12011-96509			
PE6TB	6	133.0	11012-96607			12011-96600			
PF6	6	133.0	11012-96607						
PF6T	6	133.0	11012-96607			12011-96964			
						12011-96576			
						12011-91690			
						12013-96669			
PF6TB	6	133.0	11012-96607			12011-96504			
RD8	8	135.0	11012-97025 11012-97062 11012-97063 11012-98001			12011-97079	3		11000-97026
						12011-97079			11000-97029
						(12011-97012)			
						12011-97169			11000-97090
						12011-97004/06			
RD8T	8	135.0	11012-97001			12011-97177			11000-97028
RD10	10	135.0	11012-97001			12011-97004/06	3		
						(12011-97012/79)			
RE8	8	135.0	11012-97118	F.Cr F.Cr		12011-97107			11000-97079
			11012-97161						

Code: S=Semi-Finish, F=Finish, All=S&F, B=Blacking (Phosphated), Cr=Chromed, F=Phosphated
Al(A=Alfin, N=nonAlfin B=Both Available, CH=Cooling Channel, K=Keystone, H=Half Keystone

TECH RAY TECHNOLOG

TECH RAY TECHNOLOGY CO., LTD.

3F-1, No.545, Sec.2, Taiwan Blvd., West Dist., Taichung City, Taiwan. (40360)

TEL: +886-4-23260119 FAX: +886-4-23268220

E-mail: jomes_wu@hotmail.com



Auto Spare Parts

NISSAN

Liner, Piston & Kit

Engine Model	No. Cyl.	Bore mm	Cylinder Liner			Piston			Liner Kit Or Remarks
			No.	L	Code	No.	Ring	Al	

			11012-97202	F.Cr					
RE8A	8	135.0	11012-97165	F.Cr		12011-97118			11000-97128
RF8	8	138.0	11012-97171(8)	F.Cr		12011-97162			11000-97326
						12011-97165			11000-97327
						12011-97161			11000-97228
						12011-97165			11000-97081
RG8	8	142.0	11012-97164	F.Cr		12011-97765			
						12011-97766			
						12011-97772			
						12011-97776			
RH8	8	150.0	11012-97213						

Code: S=Semi-Finish, F=Finish, All=S&F, B=Blacking (Phosphated), Cr=Chromed, F=Phosphated
 Al(A=Alfin, N=nonAlfin B=Both Available, CH=Cooling Channel, K=Keystone, H=Half Keystone