

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
mitsubishi										
1	4G13	4	1st	71.00	1.20	2.55	BF	SR	GN	MD335422
			2nd		1.50	2.90	T1	CR	Fe	
			Oil		2.80	2.50	NIFF-S	SR	GN	
2	4G13S1	4	1st	71.00	1.00	2.60	BF-IB	SR	Cr/Fe	
			2nd		1.20	2.80	B1-TUC	CR	Cr/Fe	
			Oil		2.00	2.40	NIFF-H	SR	GN	
3	4G17	4	1st	72.20	1.20	2.70	BF	SR	GN	MD165325
			2nd		1.50	3.10	T1	CR	Fe	
			Oil		3.00	2.80	NIFF-S	SR	Cr/Fe	
4	4A95TDUE	4	1st	73.00	1.20	2.50	BF-IB	SR	PVD	
			2nd		1.20	2.70	TUN	HB	Fe	
			Oil		2.00	2.25	NIFF-H	SR	PVD	
5	4A94	4	1st	74.00	1.00	2.70	BF-IB	SR	PVD	
			2nd		1.20	2.90	TUN	HB	Fe	
			Oil		2.00	1.90 (2.58)	E-BC16	HB	CCIP	
6	3A92	4	1st	75.00	1.00	2.30	BF	SR	GN	1110B699
			2nd		1.20	2.70	TUC	CR	Fe	
			Oil		2.00	1.95	NIFF-H	SR	Cr/Fe	
7	4A91T	4	1st	75.00	1.00	2.70	BF-IB	SR	PVD	
			2nd		1.20	2.90	TUN	HB	Fe	
			Oil		2.00	2.05	NIFF-H	SR	Cr/Fe	

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
mitsubishi										
8	4A9T	4	1st	75.00	1.20	2.90	BF-IB	SR	PVD	
			2nd		1.20	3.50	TUC	CR	Fe	
			Oil		2.00	2.05	NIFF-H	SR	Cr/Fe	
9	4G15T	4	1st	75.50	1.20	2.90	BF-IB	SR	PVD	
			2nd		1.20	3.50	TUC	CR	Fe	
			Oil		2.00	2.20	NIFF-H	SR	PVD	
10	4G15M	4	1st	76.00	1.00	2.70	BF	SR	PVD	
			2nd		1.20	2.70	TUC	CR	Cr/Fe	
			Oil		2.00	2.05	NIFF-H	SR	PVD	
11	4G15M-B	4	1st	76.00	1.00	2.70	BF	SR	GN	
			2nd		1.20	2.70	TUC	CR	Fe	
			Oil		2.00	2.05	NIFF-H	SR	Cr/Fe	
12	4G18P	4	1st	76.00	1.20	2.70	BF	SR	GN	MD361983 MD361982
			2nd		1.20	3.20	TUC	CR	Fe	
			Oil		2.50	2.60	NIFF-H	SR	Cr	
13	4G18P	4	1st	76.00	1.20	2.75	BF	SR	GN	MD361983 MD361982
			2nd		1.20	3.20	TUC	CR	Fe	
			Oil		2.50	2.60	NIFF-H	SR	GN	
14	516K	4	1st	76.40	1.00	2.40	BF-IB	SR	PVD	
			2nd		1.20	2.90	TUN	HB	Fe	
			Oil		2.00	2.20	NIFF-H	SR	PVD	

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
mitsubishi										
15	4G92 4G93	4	1st	81.00	1.20	3.10	BF-IB	SR	GN	MD173206
			2nd		1.20	3.60	TI	CR	Fe	
			Oil		2.80	2.60	NIFF-S	SR	Cr/Fe	
16	4G94-S4	4	1st	81.50	1.20	2.70	BF-IB	SR	GN	1110B098
			2nd		1.20	3.40	TUC	CR	Fe	1110B099
			Oil		2.50	2.60	NIFF-H	SR	Cr/Fe	1110B100 1110B697
17	4G94S4	4	1st	81.50	1.20	2.70	BF-IB	SR	GN	
			2nd		1.20	3.40	TUC	CR	Fe	
			Oil		2.80	2.60	NIFF-H	SR	Cr/Fe	
18	4G63	4	1st	85.00	1.20	3.10	BF-IB	SR	GN	MD195810 MD313405
			2nd		1.50	3.80	TUC	CR	Fe	
			Oil		2.80	2.50	NIFF-S	SR	GN	
19	4G63	4	1st	85.00	1.20	3.10	BF-IB	SR	GN	MD195810 MD313405
			2nd		1.50	3.80	TUC	CR	Fe	
			Oil		2.80	2.50	NIFF-S	SR	Cr/Fe	
20	4G63	4	1st	85.00	1.20	3.10	BF-IB	SR	GN	MD195810 MD313405
			2nd		1.50	3.80	TUC	CR	Fe	
			Oil		2.80	2.50	NIFF-H	SR	GN	
21	4G63	4	1st	85.00	1.20	3.10	BF-IB	SR	GN	
			2nd		1.20	3.50	TUC	CR	Fe	
			Oil		2.00	2.20	NIFF-H	SR	Cr/Fe	
22	4G63T	4	1st	85.00	1.20	3.10	BF-IB	SR	GN	
			2nd		1.20	3.50	TUC	CR	Fe	
			Oil		2.00	2.20	NIFF-H	SR	Cr/Fe	

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
mitsubishi										
23	4K21T	4	1st	85.00	1.20	3.10	BF-IB	SR	GN+PVD	
			2nd		1.20	3.50	TUC	CR	Fe	
			Oil		2.00	2.20	NIFF-H	SR	Cr/Fe	
24	4G19	4	1st	86.00	1.20	3.10	BF-IB	SR	GN	
			2nd		1.50	3.60	TUN	CR	Fe	
			Oil		3.00	1.95 (3.5)	BC16-S	SR	GN	
25	4G64	4	1st	86.50	1.20	3.10	BF-IB	SR	GN	MD195828 MD194597
			2nd		1.50	3.80	TUC	CR	Fe	
			Oil		2.80	2.50	NIFF-S	SR	GN	
26	4G64	4	1st	86.50	1.20	3.10	BF-IB	SR	GN	MD195828 MD194597
			2nd		1.50	3.80	TUC	CR	Fe	
			Oil		2.80	2.50	NIFF-S	SR	Cr/Fe	
27	4G64	4	1st	86.50	1.20	3.10	BF-IB	SR	GN	MD195828 MD194597
			2nd		1.50	3.80	TUC	CR	Fe	
			Oil		2.80	2.50	NIFF-H	SR	GN	
28	4G69S	4	1st	87.00	1.20	3.10	BF-IB	SR	PVD	1110A966 1110A967
			2nd		1.20	3.30	TUC	CR	Fe	
			Oil		2.00	2.20	NIFF-H	SR	PVD	
29	4G69S	4	1st	87.00	1.20	3.10	BF-IB	SR	GN	
			2nd		1.20	3.30	TUC	CR	Fe	
			Oil		2.00	2.20	NIFF-H	SR	GN	
30	4DQ5	4	1st	84.00	2.50	3.60	BF	HB	Cr/Fe	
			2nd		2.00	3.60	T1	CR	Fe	
			Oil		4.00	3.30 (4.20)	E-BC16	HB	Cr/Fe	

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
MITSUBISHI										
31	4D55	4	1st	91.10	2.50	3.70	BF	HB	Cr/Fe	MD050395
			2nd		2.00	3.90	T1	CR	Cr/Fe	
			Oil		4.00	2.90 (4.10)	E-BC16	CR	In. and Out. Cr	
32	4D56T	4	1st	91.10	2.45 (2.333)	3.65	BF-K2	SR	Cr/Ox	MD050395
			2nd		1.95 (1.833)	3.75	T1-K2	HB	Cr/Fe	
			Oil		4.00	2.55 (4.50)	BC16-S	SR	Cr/Fe	
33	D4BA	4	1st	91.10	2.00	3.30	BF	SR	GN	
			2nd		2.00	3.80	T1	CR	Cr/Fe	
			Oil		3.00	2.35 (3.40)	BC16-S	SR	GN	
34	D4CB	4	1st	91.10	2.45 (2.289)	3.65	BF-K2	SR	Cr/Fe	
			2nd		2.00	3.70	T1-IC	CR	Cr/Fe	
			Oil		3.00	2.00 (3.20)	BC16-S	SR	GN	
35	4DR5	4	1st	92.00	2.50 (2.39)	3.70	BF-K2	HB	Cr/Fe	31617-02012
			2nd		2.00	3.90	T1	CR	Fe	31617-02013
			3rd		2.00	3.90	T1	CR	Fe	31617-05102
			Oil		4.50	3.20 (4.30)	E-BC16	CR	In. and Out. Cr	31617-05103
36	4M40-TC	4	1st	95.00	2.30 (2.097)	3.30	BF-K1	SR	GN	ME201522
			2nd		2.00	4.00	T1-IC	HB	Cr/Fe	ME202380
			Oil		4.00	2.40 (4.00)	BC16-S	SR	GN	MD997894
37	4D30E	4	1st	96.00	2.50 (2.38)	3.70	BF-K2	HB	CCIP	
			2nd		2.50	4.00	T1-RB	CR	GN	
			Oil		4.00	2.50 (4.10)	E-BC16	CR	Cr/Fe	
38	6DS7	6	1st	98.00	3.00 (2.853)	4.00	BF-K2	HB	Cr/Fe	ME023333
			2nd		2.00	4.20	T1-IC	CR	Cr/Fe	ME023333-02
			Oil		5.00	3.60 (4.80)	E-BC16	CR	In. and Out Cr	ME021861 ME024409

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
mitsubishi										
39	6DS7	6	1st	98.00	3.00 (2.853)	4.00	BF-K2	HB	Cr/Ox	ME023333
			2nd		2.00	4.20	T1-IC	CR	Cr/Fe	ME023333-02
			Oil		5.00	3.10 (4.80)	BC16-S	SR	Cr/Fe	ME021861 ME024409
40	4D30		1st	100.00	3.00 (2.90)	4.00	BF-K2	CR	Cr/Fe	ME012010 ME012070
			2nd		2.00	4.20	TI-IC	CR	Cr/Fe	
			Oil		5.00	3.50 (4.90)	E-BC16	CR	In.and Out Cr	
41	4D30	4	1st	100.00	3.00 (2.90)	4.00	BF-K2	HB	Cr/Fe	ME012010 ME012070
			2nd		2.00	4.20	T1-IC	CR	Cr/Fe	
			Oil		5.00	3.50 (4.80)	E-BC16	CR	In.and Out Cr	
42	6D31T	6	1st	100.00	3.00 (2.90)	4.00	BF-K2	HB	Cr/Fe	ME999783
			2nd		2.00	4.20	TI-IC	CR	Cr/Fe	
			Oil		4.00	3.50 (4.55)	E-BC16	CR	In.and Out Cr	
43	S6K	6	1st	102.00	3.00 (2.886)	4.00	BF-K2	HB	Cr/Fe	
			2nd		2.00 (1.85)	4.00	T1-K2	HB	Cr/Fe	
			Oil		4.00	2.85 (4.10)	E-BC16	CR	Cr/Fe	
44	S6KT	6	1st	102.00	3.00 (2.886)	4.00	BF-K2	HB	Cr/Fe	34317-19010
			2nd		2.00 (1.85)	4.00	T1-K2	HB	Cr/Fe	
			Oil		4.00	2.85 (4.10)	E-BC16	CR	In.and Out Cr	
45	4D32	4	1st	104.00	3.00 (2.853)	4.10	BF-K2	HB	Cr/Ox	ME997318
			2nd		2.00	4.20	T1-IC	CR	Cr/Fe	
			Oil		4.00	2.55 (4.70)	BC16-S	SR	Cr/Fe	
46	4D34T	4	1st	104.00	2.85 (2.605)	4.10	BF-K1	HB	Cr/Fe	ME997240
			2nd		2.00	4.20	T1-IC	CR	Cr/Fe	
			Oil		4.00	2.50 (4.20)	BC16-S	SR	Cr/Fe	

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
mitsubishi										
47	4D33	4	1st	108.00	3.00	4.00	BF	SR	Cr/Ox	ME996378
			2nd		2.00	4.20	T1-IC	HB	Cr/Fe	
			Oil		4.00	2.40 (4.05)	BC16-S	SR	GN	
48	6D14	6	1st	110.00	3.00 (2.885)	4.30	BF-K2	HB	Cr/Fe	ME032071
			2nd		2.50	4.60	TI-IC	CR	Cr/Fe	ME032260
			Oil		5.00	3.70 (4.90)	E-BC16	CR	In.and Out Cr	ME032404 ME032458
49	6D14	6	1st	110.00	3.00 (2.885)	4.30	T1-K2	HB	Cr/Fe	
			2nd		2.50	4.40	T1-IC	CR	Cr/Fe	
			Oil		5.00	3.85 (4.90)	E-BC16	CR	In.and Out Cr	
50	6D14T	6	1st	110.00	3.00 (2.885)	4.30	BF-K2	HB	Cr/Fe	
			2nd		2.50	4.60	TI-IC	CR	Cr/Fe	
			Oil		5.00	3.10 (4.90)	BC16-S	SR	In.and Out Cr	
51	6D15	6	1st	113.00	3.00 (2.885)	4.30	BF-K2	HB	Cr/Fe	
			2nd		2.50	4.60	TI-IC	CR	Cr/Fe	
			Oil		5.00	3.70 (4.90)	E-BC16	CR	In.and Out Cr	
52	6D15	6	1st	113.00	3.00 (2.885)	4.30	BF-K2	HB	Cr/Fe	ME032403 ME072306
			2nd		2.50	4.60	T1-IC	CR	Cr/Fe	
			Oil		5.00	3.80 (4.95)	E-BC16	HB	In.and Out Cr	
53	6D16	6	1st	118.00	3.00	4.60	BF	HB	Cr/Fe	ME999955
			2nd		2.50	4.60	TI-IC	CR	Cr/Fe	ME999540
			Oil		4.00	3.00 (4.30)	E-BC16	CR	In.and Out Cr	ME996229 ME996231
54	6D16	6	1st	118.00	3.00	4.60	BF	HB	Cr/Ox	ME999955
			2nd		2.50	4.60	T1-IC	CR	Cr/Fe	ME999540
			Oil		4.00	3.10 (4.35)	E-BC16	CR	In.and Out Cr	ME996229 ME996231

Series No.	Engine Code	Cyl. No.	Position	Size (mm)			Shape	Material	Surface treatment	Reference
				d1(D)	h1(B)	a1(T)				
mitsubishi										
55	6D16	6	1st	118.00	3.00	4.20	BF	SR	Cr/Ox	ME999955
			2nd		2.50	4.60	T1-IC	HB	Cr/Fe	ME999540
			Oil		4.00	2.40 (4.15)	BC16-S	SR	GN	ME996229
56	6D16T-SN	6	1st	118.00	2.80 (2.605)	4.60	BF-K1	HB	Cr/Fe	
			2nd		2.50	4.60	TI-IC	CR	Cr/Fe	
			Oil		4.00	2.90 (4.20)	E-BC16	HB	In.and Out Cr	
57	6D22	6	1st	130.00	3.30 (3.105)	5.40	BF-K1	HB	Cr/Fe	ME052758
			2nd		3.00	5.30	T1-IC	CR	Cr/Fe	
			Oil		6.00	4.10 (5.50)	E-BC16	CR	In.and Out Cr	
58	6D22	6	1st	130.00	3.30 (3.105)	5.40	BF-K1	HB	Cr/Fe	ME995477 ME995466(cyl)
			2nd		3.00	5.30	T1-IC	HB	Cr/Fe	
			Oil		6.00	4.10 (5.50)	E-BC16	CR	In.and Out Cr	
59	6D22 6D22T2	6	1st	130.00	3.30 (3.105)	5.40	BF-K1	HB	Cr/Fe	ME052889 ME995467 ME350961 ME993736 ME996142 ME996540 ME996544 (cyl)
			2nd		3.00	5.30	T1-IC	HB	In.and Out Cr	
			Oil		4.00	2.80 (4.70)	E-BC16	CR	In.and Out Cr	
60	6D22T	6	1st	130.00	3.30 (3.105)	5.40	BF-K1	HB	Cr/Fe	ME052889 ME995467 ME350961 ME993736 ME996142 ME996540 ME996544 (cyl)
			2nd		3.00	5.30	T1-IC	HB	Cr/Fe	
			Oil		4.00	2.80 (4.70)	E-BC16	CR	In.and Out Cr	
61	8DC91 8DC9T	8	1st	135.00	3.30 (3.09)	5.40	BF-K1	HB	Cr/Fe	ME062018 ME062230
			2nd		3.00	5.50	T1-IC	CR	Cr/Fe	
			3rd		3.00	5.50	B1-TUC	CR	Cr/Fe	
			Oil		6.00	3.80 (5.60)	E-BC16	CR	Cr/Fe	