

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
G130		4	75						3		
3AF1		3	76			5-12111-169-0 (5-12111-245-0)					
4EC1		4	76			8-94129-828-0 (8-94129-844-0)			3		
4EC1-T		4	76			8-94149-276-4			3		
4FE1		4	76.3			8-94169-747-1 8-94169-752-1			3 3		
4XC1		4	77			8-94425-275-0 8-94141-426-0 8-94411-975-0 8-94162-766-0			2 2 3 3		
G150		4	79			9-12111-811-0			3		
4EE1		4	79			8-97129-437-0~2 8-97129-437-1 8-97129-437-2					
4EE1T		4	79			8-97043-772-0/3-0 8-9381-709-0/1					
G161AB		4	82			9-12111-462-0 (9-12111-667-0)			3		
G161	9-11216-602-0	4	82			9-12111-670-0 (9-12111-784-0)			3		
G161Z	9-11216-602-0	4	82			8-94200-645-0 (8-94211-129-0) 8-94218-808-0 (8-94220-636-0) 8-94244-402-0			3 3  3		
4ZA1		4	82			8-94232-085-0 5-84452-742-1			3 3		
C221	9-11261-253-1	4	83	174	CR	5-12111-065-0 9-12111-646-0			5		5-8751-0060-1
G180S		4	84			9-12411-622-0			3		
G180	9-11261-210-0	4	84			5-12111-066-3			3		
G180Z	9-11261-210-0	4	84			8-94201-040-0 (8-94201-607-0)			3		
G180	9-11261-210-0	4	84			8-94215-088-0 8-94235-290-0 (8-94238-475-0) 8-94251-268-1			3 3  3		
4FB1	8-94111-803-3	4	84			8-94228-886-2 8-94201-492-0 8-94235-962-0			3		
4FC1		4	84			8-94228-887-0/1 8-94111-655-1 8-94139-972-0			3 3 3		

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
4ZB1		4	84			8-94235-290-2 (8-94235-924-0)			3		
4ZB1J		4	84			8-94251-268-1 (8-94251-925-0)			3		
G201		4	86			9-12111-544-0 (9-12111-689-0) 5-12111-011-0			3 3		
C240	9-11261-230-1 9-11261-230-0	4	86	178	CR	5-12111-064-0 9-12111-813-0	95.6	27	4		IMPT510641Z
C240	9-11261-230-1 9-11261-230-0	4	86	178	CR	9-12111-834-0	95.6	27	5		
C190	9-11261-224-1	4	86	163	CR	5-12111-119-0 (5-12111-203-0) 5-12111-225-0	95.6	27	4 3		5-8781-0148-1 5-8781-0183-2
C240(3G) C190(3G)	9-11216-230-0	4	86	178 163	CR CR	5-12111-226-0 8-94326-225-0 5-12111-064-0 5-12111-202-0 5-12111-202-1	96.5	27	3 3 3 3 3		5-8781-0235-0 5-8781-0536-2 5-8781-0085-2 5-8781-0149-1 5-8781-0236-1
G200Z		4	87			8-94213-831-0 8-94237-469-1	80	22	3 3		
G200		4	87			8-94258-494-1	80	22	3		
G200W		4	87			8-94237-082-0 (8-94237-082-1) 8-94107-912-1	80	22	3 3		
4ZC1		4	88			8-94250-916-1	80	22	3		
4FD1		4	88			8-94105-454-0	80.7	27	3		
C223	5-11261-015-0/2 8-94169-883-1	4	88	163	CR	8-971766588-0	90	27	3	8	IMPA512120
C223	5-11261-015-0/2 8-94169-883-1	4	88	163	CR	8-97176592-0	82.5	27	3		IMPA807290
C223T	5-11261-015-0/2 8-94169-883-1	4	88	163	CR	8-97176590-0	82.6	29	3		IMPA888262
4JC1	8-94169-883-0 5-11261-015-0/2	4	88		CR	8-94335-619-0 8-94169-885-0	87.8	21	3		5-8781-0641-0
4ZD1	8-94156-657-0	4	89.3			8-94156-657-0 8-94136-777-3	81	23	3 3		
4FG1		4	89.3			8-94454-813-0	80.7	27	3	8	
D400	9-11261-205-0	6	92			9-12111-598-0			5		
4ZE1		4	92.6			8-94163-189-2	79	23	3		
4JA1	8-94110-144-0 8-94462-130-0	4	93	156	CR	8-94152-712-1 8-94369-281-0	87.8	31	3 3		5-8781-0277-3 5-8781-0717-0 (5-8781-0737-0)

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
4JA1(N)	8-94110--144-0 8-94462-130-0	4	93	156	CR	8-94436-892-0 8-97089-892-0 8-97109-181-0 8-97176-601-0	87.8	31	3		IMPA898920
4JB1	8-94247-861-2 8-94247-861-0	4	93	181	CR	8-94152-711-1 8-94433-177-1 8-94445-718-0	91.8	31	3 3	3	5-8781-0278-0 5-8781-0627-0 5-8781-0628-0
4JB1	8-94247-861-2 8-94247-861-0	4	93	181	CR	8-94311-606-0	91.8	31	3		
4JB1-T	8-94247-861-0/2	4	93	181	CR	8-94340-620-0 8-94369-218-0 8-97176-602-0	91.8	31	3		5-8781-0636-0
4JB1-T	8-94247-861-0/2	4	93	181	CR	8-94460-887-1 8-97108-621-0	91.8	31	3		
4JG1	8-94456-791-0	4	95.5	178.6	CR	8-97074-507-0	89.2	34	3	8	5-8781-1104-0
4JG2	8-97043-287-0	4	95.5	178.6	CR	8-97073-647-1 8-97086-449-0	89.2	34	3		
4JG2T	8-97043-287-0	4	95.5	178.6	CR	8-97176-620-0 8-97176-624-0/1 8-97176-625-0/1	89.2	34	3	8 CH	
4JH1T	8-97176-702-0	4	95.4	180	CR	8-97305-586-1 8-97305-585-3	88.8	31	3		IMKT540911
4JJ1		4	95.4			8-97367-397-1	78.5	34	3K		
4BA1	9-11261-802-0~2 9-11261-802-1 9-11261-802-2	4	98	180.5	CR	5-12111-055-1 5-12111-201-0	112.3 91.3	33 33	3 3		5-8781-0087-2/3 5-8781-0158-1
G500	9-11261-257-0	6	98	206.5	CR	5-12111-055-1 5-12111-201-0			3 3		1-8781-0087-2
DA120	9-87692-095-0 9-11261-287-0/1	6	100	220		9-12111-196-0 9-12111-320-0 9-12111-126-0 9-12111-901-0	125	34	5 5 4		9-8852-0064-4
DA220	9-87692-095-0	4	100	220		1-12111-126-0 9-12111-901-0	125	34	4		9-8852-0063-4
DA640(A)	9-11261-288	6	102			1-12111-122-1	125	36	4		1-8781-0015-5
DA640(C)	9-11261-288-0	6	102	228 228		1-12111-321-0 1-12111-050-0 12111-122-0(1) 1-12111-122-1 (1-12111-740-0)	125	36	5 4 4		1-8781-0015-5 1-8781-0016-5
DA640T	9-11261-288-0	6	102			1-12111-125-1	125	36	4K		1-8781-0116-1
4BB1	9-11261-118-0	4	102	204	CR	5-12111-013-0	102	35	3		1-8781-0088-1
4BC1	5-11261-014-2	4	102		CR	5-12111-172-1 (5-12111-188-1)	112	33	3		5-8781-0172-1 (5-8781-0210-1)

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
4BC2	5-11261-014-2	4	102		CR	5-12111-230-4 8-94169-765-0 8-97012-662-0 8-97083-121-1	98.2	35	3 3	7	5-8781-0211-4 5-8781-0292-2 5-8781-0780-1 5-8781-1524-0
4BD1	1-11261-118-0	4	102	204	CR	5-12111-176-0 5-12111-224-1 5-12111-303-1 1-1211-321-0 1-1211-587-1 1-1211-609-0 5-12111-068-0/2 5-12111-211-1 1-12111-240-1 5-12111-242-1  (5-12111-265-0) 8-94154-798-1 8-94175-027-2 8-94422-975-1 8-94321-734-0 8-94452-912-0	104.2	35	3 3 3 3		1-8781-0232-2 1-8781-0299-3 1-8781-0366-3 1-8781-0368-1 1-8781-0903-0 1-8781-0918-0 5-8781-0093-7 5-8781-0169-2 5-8781-0423-2 5-8781-0221-1 (5-8781-0490-2) (5-8781-0529-1) 5-8781-0249-2 5-8781-0311-3 5-8781-0316-3 5-8781-0466-1 5-8781-0473-1 5-8781-0479-1
4BD1-T	1-11261-118-0	4	102	204	CR	5-12111-240-1 8-94175-027-2 5-12111-303-0/1	98.1	35	3 3	7	1-8781-0226-5 1-8781-0316-3
4BD1-T	1-11261-118-0	4	102	204	CR	5-12111-325-1 5-12111-428-0 5-12111-176-0 8-94174-649-1 8-94157-349-0 8-94154-789-1 8-94175-027-2 8-94321-734-0 (8-94321-734-0)	98.1 98.1	35 35		7 7	1-8781-0340-1 1-8781-0393-3 5-8781-0485-1 5-8781-0280-4 5-8781-0310-1 5-8781-0311-0 5-8781-0316-3 5-8781-0548-2 (5-8781-0555-1)
4BD2T	1-11261-118-0	4	102	204	CR	8-97025-457-2 8-97176-640-0 8-97176-642-0	98.2	35	3	CH	5-8781-0923-1
4BD2T	1-11261-118-0	4	102	204	CR	8-97176-642-0	98.2	35	3	CH	
6BB1	1-11261-118-0	6	102	204	CR	5-12111-013-0			3		1-8781-0088-6
6BB1	1-11261-118-0	6	102	204	CR	1-12111-633-0 1-12111-634-0	102	35	3		1-8781-0709-0 1-8781-0833-2
6BD1	1-11261-118-0	6	102	204	CR	5-12111-068-0 (5-12111-068-2)	104	35	3		

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
6BD1-T	1-11261-118-0	6	102	204	CR	1-12111-325-1 1-12111-303-1 1-12111-428-1 5-12111-777-0	98 104	35 35	3 3 3 3		1-8781-0340-1
4BG1	1-11261-119-0	4	105	203	CR	8-94340-331-1	94.5	35	3	7	5-8781-0769
4BE1	1-11261-016-0 1-11261-016-2	4	105	187	CR	5-12111-022-0 8-94478-116-0 8-94438-989-1	95.7	35	3	7	5-8781-0832-0 5-8781-0496-1
4BE1	5-11261-016-0 5-11261-016-2	4	105	187	CR	8-94478-116-0	95.7	35	3	7	5-8781-0496-1
4BF1	1-11261-119-0	4	105	203	CR	8-94063-867-0	110	35			5-8781-0858-1
6BG1	1-11261-119-0 1-11261-147-2	6	105	203	CR	1-12111-323-2 (1-12111-377-4) 1-12111-435-0 1-12111-528-0 1-12111-617-0	94.6 94.6	35 35	3 3		1-8781-0392-2 1-8781-0605-1 1-8781-0895-0
6BG1-T	1-11261-119-0	6	105	203	CR	1-12111-471-0 1-12111-366-0 1-12111-435-0 1-12111-593-0	94.6 94.6 94.6	35 35 35	3 3 3		1-8781-0442-1 1-8781-0411-2 1-8781-0594-0 1-8781-0854-0
6BG1-T	1-11261-119-0	6	105	203	CR	1-12111-626-0	94.6	35	3	CH	1-8781-0904-0
6BG1-T	1-11261-119-0	6	105	203	CR	8-97358-574-0		35	4	CH	
6BF1	1-11261-119-0	6	105	203	CR	1-12111-345-0	110	35	3		
4HE1T	8-97176-723-0 8-97176-724-0 8-97176-725-0 8-97176-726-0 8-97176-727-0 8-97176-728-0	4	112	210	B	8-97176-652-0 8-17183-664-0 8-17183-665-0 8-97233-129-0 8-97233-130-0 8-94391-696-0	110	40	3K		
6HE1	8-94396-332-0	6	110	210	B	8-94396-837-0	100	36	3		1-8781-0853-0
6HE1T	8-94396-332-0	6	110	210	B	1-87310-059-0/060 8-94391-594-0 8-94391-596-0 8-94391-605-0 8-94391-696-0	120	40	4K	CH	
4HF1	8-94389-276-3 8-97144-174-0 8-97176-727-0	4	112	180		8-97095-585-0 8-97176-655-0	94.5	36	3	3	
4HF1	8-94389-276-3 8-97144-174-0 8-97176-727-0	4	112	180		8-97063-865-0 8-97095-654-0	94.5	36	3		
4HF1	8-94389-276-3 8-97144-174-0 8-97176-727-0	4	112	180		5-87913-391-0	94.5	36	3K		
4HG1	8-97351-558-0	4	115	180	B	8-97183-666-0		36	3K		

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
4HG1T	8-97351-558-0	4	115	180	B	8-97219-032-0	119	36	3K	CH	
4HK1	8-94393-273-1	4	115	210	B	8-98041-141-0			3K	CH	
6HK1	8-94393-273-1	6	115	210	B	8-94391-895-1	120	40	4K	CH	1-187812084-0
6SA1	1-11261-065-2 1-11261-106-2 1-11261-094-1	6	115	216	Cu	1-12111-217-0 1-12111-350-1 1-12111-452-1 1-12111-452-1 1-12111-603-0	104	38	3		1-8781-0295-2 1-8781-0352-2 1-8781-0406-2 1-8781-0815-1 1-8781-0855-0
6SA1T	1-11261-094-0  1-11261-094-1	6	115	216	Cu	1-12111-459-1 1-12111-460-1 1-12111-459-0	104	38	3	CH	1-8781-0501-1 1-8781-0505-1 1-8781-0469-2
6SA1MTC	1-11261-094-1	6	115		Cu	1-12111-468-1	104	38	3		1-8781-0702-1
6HH1	8-94393-273-1	6	115	210	B	8-94394-950-0	106	36	3	CH	
6HH1T	8-94393-273-1	6	115	210	B	8-94391-598-0	106	36	3	CH	
10PA1	1-11261-063-0    1-11261-155	10	115			1-12111-157-0 1-12111-216-0 1-12111-154-1 1-12111-154-1 1-12111-154-1 1-12111-216-0	113	38	3		1-8781-0191-3 1-8781-0193-4 1-8781-0203-4 1-8781-0533-0 1-8781-0307-3 1-8781-0686-0 1-8781-0843-0
10PA1	1-11261-063-0 (-033,-064) 1-11261-155-0	8	115			1-12111-157-0 1-12111-216-0 1-12111-154-1 1-12111-154-1 1-12111-154-1 1-12111-216-0	113.2	38	3		1-8781-0191-3 1-8781-0193-4 1-8781-0203-4 1-8781-0533-0 1-8781-0307-3 1-8781-0686-0 1-8781-0843-0
8PB1T	1-11261-063-0 (-033,-064)					1-12111-176-0 1-12111-271-0	104	38	3	6	1-8781-0843-0 1-8781-0262-1
10PB1	1-11261-063-0 (-033,-064) 1-11261-155-0					1-12111-217-0 1-12111-156-1 1-12111-259-0 1-12111-271-0	104	38	3	6	1-8781-0190-4 1-8781-0204-4 1-8781-0285-0 1-8781-0757-0
10PB1	1-11261-155-0	10	115			1-12111-271-0	104	38	3	6	1-8781-0684-0
10PB1T	1-11261-155-0	10	115			1-12111-276-0	104	38	3	6	1-8781-0685-0
4HG1	8-94319-032-0	4	115		B	8-97183-666-0					
10PD1	1-11261-161-1	10	119			1-12111-549-3 1-12111-444-1	106.5	43	3		1-8781-0781-2 1-8781-0835-0
8PC1	1-11261-076-0 1-11261-144-2	8	119			1-12111-282-1 1-12111-282-3	104	38	3		1-8781-0324-4 1-8781-0534-1
10PC1	1-11261-076-0 1-11261-111-0 1-11261-115-0 1-11261-147-2 1-11261-143-1	10	119			1-12111-296-1 1-12111-419-2	104	38	3		1-8781-0323-2 1-8781-0424-3 1-8781-0476-1 1-8781-0676-1

ENGINE MODEL	CYLINDER LINER NO.	CLY. NO.	BORE	FULL LOUNG	REMARK	PISTON NO.	FULL LOUGN	PIN HOLE	RING TYPE	REMARK	LINER KIT NO.
10PC1T	1-11261-076-0 1-11261-147-2	10	119	219		1-12111-407-2 1-12111-419-2 1-12111-495-0	104	38	3	3	1-8781-0477-2 1-8781-0549-3 1-8781-1175-0
12PC	1-11261-161-1	12	119	219		9-12111-600-1	104	38	3	3	1-8781-0844-0
DH100	9-11261-241-0	6	120			9-12111-171-0 9-12111-849-1 9-12111-742-3 1-12111-144-0	150.8	45	5 4 4	8	1-8781-0029-2 1-8781-0028-3 1-8781-0212-1
6SD1	1-11261-106-2	6	120	239.2	B	1-12111-591-0 1-12111-620-1	117	43	3	7	IMPA118401
6SD1T	1-11261-106-2	6	120	239.2	B	1-12111-569-0 1-12111-567-1 1-12111-547-0	117	43	3	6	1-8781-0667-0 1-8781-0712-1 1-8781-0959-1
D920	9-11261-227-0 1-11261-017-0	6	125			1-12111-103-1					1-8781-0085-5 1-8781-0188-4
6QA1	1-11261-091-0 1-11261-074-0 1-11261-094-1 1-11261-160-0	6	125	282	Cr	1-12111-338-0 1-12111-869-0 1-12111-206-1	135.9	46	3	6	1-8781-0320-0 1-8781-0378-0 1-8781-0655-1 1-8781-0841-0
10PE1	1-11261-175-0 1-11261-175-0 1-11261-286-0	10	127	233		1-12111-676-0 1-12111-926-0	106.5	43	4K	3	IMPA116760
6WA1	1-11261-362-1	6	132.9	137		1-12111-665-1			4K		
6WA1T	1-11261-363-1	6	132.9	137			143	56	4K		
E120	9-11261-290-0	6	135	264	Cu	1-12111-524-2/0 1-12111-526-0 1-12111-080-1	150.2	50	3	8	1-8781-0514-0 1-8781-0516-0
E120T	9-11261-290-0	6	135	264	Cu	1-12111-525-0 1-12111-209-2 1-12111-226-2	150.2	50	3	6	1-8781-1525-0
6RA1	1-11261-133-0	6	135	264	B	1-12111-461-0	150	50	3		1-8781-0738-0
6RA1T	1-11261-133-0	6	135	264	B	1-12111-463-0 1-12111-481-0 1-12111-482-0			3		1-8781-0738-0
6RB1	5-11261-133-0 1-11261-133-0	6 6	135 135	264 264	B B	1-12111-437-0			3 3		1-8781-0251-0 1-8781-0133-0
	(1-11261-098) 1-11261-116-0 1-11261-160-0					1-12111-437-1 1-12111-245-0 1-12111-505-0 1-12111-437-0					1-8781-0425-0 1-8781-0468-1 1-8781-0660-1

