P mode (For sewing machine): [↓]+[↑] key

name	Function	No.
H.	Maximum speed	0000
L.	Low speed	0001
T.	Thread trimming speed	0002
N.	Start tacking speed	0003
V.	End tacking speed	0004
M.	Medium speed	0005
S.	Slow start speed	0006
SLN.	No. of slow start stitches	0007
SLM.	Slow start operation mode	0008
SLP.	Slow start when power is turned ON	0009
SH.	One shot	0010
SHM.	One shot operation mode	0011
PSU.	No. of stitches after PSU input	0012
PSD.	No. of stitches after PSD input	0013
PS1.	Sensor input signal PS1 operation mode	0014
1.	No. of stitches after PS1 input	0015
PS2.	Sensor input signal PS2 operation mode	0016
2.	No. of stitches after PS2 input	0017
PSN.	Restart after PSD,SEN input PSN	0018
SEN.	Input sensor function valid / invalid	0019
SE.	Setting stitch amount to stop by "SEN"	0020
FUM.	Presser foot lift momentary	0021
FU.	FUM operation mode	0022
FCT.	Time setting for FUM operation mode	0023
FD.	Time to motor drive after presser foot lifter bring down	0024
FO.	Full wave time of presser foot lifter output	0025
S3D.	Delay time of presser foot signal S3 input	0026
FUD.	Presser foot lifting output chopping duty	0027
PFU.	Presser foot lifting output when power is turned ON	0028
FL.	Cancel the presser foot lifting with full heeling	0029
S3L.	Cancel presser foot lifting with light heeling	0030
S2L.	Cancel of thread trimming operation	0031
S6L.	Thread trimming protection signal (S6) logical changeover	0032
AT.	Automatic operation	0033
TL.	Thread trimmer cancel	0034
TLS.	Auto-stop of preset stitch sewing before trim	0035
RU.	Reverse run needle lifting after thread trimming	0036
R8.	RU reverse run angle	0037
TB.	Thread trimming with reverse feed	0038
TBJ.	Not used.	0039
S2R.	Full heeling, S2 signal operation mode	0040
IL.	Cancel of interlock after full pedal heeling	0041
TR.	Thread trimming mode	0042
POS.	Thread trimming validity at neutral pedal	0043
P1P.	Operation when power is turned ON during 1 position setting.	0044
P2P.	Operation when power is turned ON during 2 position setting.	0045
C8.	Needle stop position before fabric	0046
K8.	Reverse run angle from DOWN position to UP position	0047
E8.	On angle of virtual "TM"	0048
S8.	On start angle of virtual "TM"	0049
SNM.	Setting sensor "SEN" input function	0050
KD.	Virtual down setting	0051
KDU.	Virtual width of up and down signal	0052
PSJ.	Not used.	0053
D8.	Needle DOWN position stop angle	0054
U8.	Needle UP position stop angle	0055

A mode (For servo motor): [↓]+[A] key

name	Function	No.
GA.	Gain high/low selection	0100
PDC.	Pedal curve	0101
AC.	Acceleration time simple setting	0102
ACT.	Acceleration time	0103
DC.	Deceleration time simple setting	0104
DCT.	Deceleration time	0105
SC.	S-character cushion	0106
SCT.	S-character cushion time setting	0107
S2M.	Full heeling S2 signal operation mode when power is turned on or after thread trimming	0108
PL.	Sewing machine shaft/motor shaft speed setting selection	0109
MR.	Setting motor pulley diameter	0110
SR.	Setting sewing machine pulley diameter	0111
NOS.	Random stop is available without thread trimming.	0112
STM.	First priority stop => speed control	0114
BKT.	Brake time	0115
B8.	Weak brake angle	0116
BNR.	Reduction of weak brake sound	0117
BKS.	Weak brake force	0118
BKM.	Weak brake mode	0119
BK.	Weak brake	0120

B mode (For counter/speed display): [↓]+[B] key

name	Function	No.
S.	Display sewing speed	0200
N.	Down counter setting count amount	0201
D.	Down counter display count amount	0202
P.	Up counter setting count amount	0203
U.	Up counter display count amount	0204
CUP.	Up counter the selection of setting mode	0205
USC.	Up counter the selection of counter operation	0206
UCM.	Up counter changing sewing pattern	0207
UPC.	Up counter valid / invalid	0208
NXU.	Up counter operation after counting over	0209
CDN.	Down counter the selection of setting mode	0210
DSC.	Down counter the selection of counter operation	0211
DCM.	Down counter changing sewing pattern	0212
DNC.	Down counter valid / invalid	0213
NXD.	Down counter operation after counting over	0214
PCM.	Counter condition turning on power switch	0215
PRN.	Setting Thread trimming times "N"	0216
CNU.	Setting Number of stitches "N"	0217
CCI.	Count modification (to use IO1, IO2)	0218
PMD.	Display condition turning on power switch	0219
CCM.	Reset for Up / Down counter during operation	0220

Program mode [I] (Save mode of the setting data): [↓]+[↑]+[B]+[C] key

name	Function	No.
SAVE1	Save mode of the setting data 1	-
SAVE2	Save mode of the setting data 2	-
CCR	Copy of the current data	-
CU1	Copy of user's 1 data	-
CU2	Copy of user's 2 data	-

Program mode [R] (Reset): [↓]+[B]+[C] key

name	Function	No.
RESET.	Reset	-

Program mode [1] (Mitsubishi sewing machine): [↓]+[A]+[B] key

name	Function	No.
280M	LS2-1280-M1T(W)	-
:	:	-
LOAD1	Load of the saved setting data1	-

Program mode [2] (Chain stitch sewing machine): [↓]+[C]+[D] key

name	Function	No.
YU2	YAMATO VC2600,VC2700 class	-
:	:	-
JMH	JUKI	-

Program mode [3] (other lock stitch sewing machine): [↓]+[A]+[D] key

name	Function	No.
D697	DÜRKOPP ADLER 697-15000 class	-
:	:	-
750	SINGER	-

C mode (For setting input/output signal to function): [↓]+[C] key

name	Function	No.
IA.	IA input function selection	0300
IAL.	IA input logic changeover	0301
IAA.	IA input alternating operation	0302
IB.	IB input function selection	0303
IBL.	IB input logic changeover	0304
IBA.	IB input alternating operation	0305
IC.	IC input function selection	0306
ICL.	IC input logic changeover	0307
ICA.	IC input alternating operation	0308
ID.	ID input function selection	0309
IDL.	ID input logic changeover	0310
IDA.	ID input alternating operation	0311
IE.	IE input function selection	0312
IEL.	IE input logic changeover	0313
IEA.	IE input alternating operation	0314
IF.	IF input function selection	0315
IFL.	IF input logic changeover	0316
IFM.	Setting the function for IF	0317
RFS.	Set condition of RS F/F for IF	0318
RFR.	Reset condition of RS F/F for IF	0319
RFN.	RS F/F reset stitch amount for IF	0320
IG.	IG input function selection	0321
IGL.	IG input logic changeover	0322
IGA.	IG input alternating operation	0323
IH.	IH input function selection	0324
IHL.	IH input logic changeover	0325
IHA.	IH input alternating operation	0326
II.	II input function selection	0327
IIL.	II input logic changeover	0328
IIA.	II input alternating operation	0329
IJ.	Not used.	0330
IJL.	Not used.	0331
IJA.	Not used.	0332
IK.	Not used.	0333
IKL.	Not used.	0334
IKA.	Not used.	0335
IL.	Not used.	0336
ILL.	Not used.	0337
ILA.	Not used.	0338
IM.	IM input function selection	0339
IML.	IM input logic changeover	0340
IMA.	IM input alternating operation	0341
IN.	IN input function selection	0342
INL.	IN input logic changeover	0343
INA.	IN input alternating operation	0344
IO.	IO input function selection	0345
IOL.	IO input logic changeover	0346
IOA.	IO input alternating operation	0347
IP.	IP input function selection	0348
IPL.	IP input logic changeover	0349
IPA.	IP input alternating operation	0350
IQ.	IQ input function selection	0351
IQL.	IQ input logic changeover	0352
IQA.	IQ input alternating operation	0353
IR.	IR input function selection	0354
IRL.	IR input logic changeover	0355
IRA.	IR input alternating operation	0356
I1.	I1 input function selection	0357
I1L.	I1 input logic changeover	0358
I1M.	Setting the function for I1	0359
I1O	Special setting for input signal "I1"	0360
I1F	Special setting for input signal "I1" is ON	0361
I1C	RS F/F clear setting	0362
1CT	RS F/F delay time setting	0363
F1P	Input signal I1 virtual F/F circuit operation 1	0364
F1C	Input signal I1 virtual F/F circuit operation 2	0365
F1S	Input signal I1 virtual F/F circuit operation 3	0366
R1S	Set condition of RS F/F for I1	0367
R1R	Reset condition of RS F/F for I1	0368
R1N	RS F/F reset stitch amount for I1	0369
I2.	I2 input function selection	0370
I2L.	I2 input logic changeover	0371
I2M.	Setting the function for I2	0372
I2C	RS F/F clear setting	0373
2CT	RS F/F delay time setting	0374
R2S	Set condition of RS F/F for I2	0375
R2R	Reset condition of RS F/F for I2	0376
R2N	RS F/F reset stitch amount for I2	0377

C mode (For setting input/output signal to function): [↓]+[C] key

name	Function	No.
I4.	I4 input function selection	0378
I4L.	I4 input logic changeover	0379
I4A.	I4 input alternating operation	0380
I5.	I5 input function selection	0381
I5L.	I5 input logic changeover	0382
I5A.	I5 input alternating operation	0383
I6.	I6 input function selection	0384
I6L.	I6 input logic changeover	0385
I6A.	I6 input alternating operation	0386
I7.	I7 input function selection	0387
I7L.	I7 input logic changeover	0388
I7A.	I7 input alternating operation	0389
OA.	OA output function selection	0390
OAL.	OA output logic changeover	0391
OAC.	OA output chopping operation	0392
OAT.	OA output forced OFF	0393
DA.	OA output delay time	0394
OB.	OB output function selection	0395
OBL.	OB output logic changeover	0396
OBC.	OB output chopping operation	0397
OBT.	OB output forced OFF	0398
DB.	OB output delay time	0399
OC.	OC output function selection	0400
OCL.	OC output logic changeover	0401
OCC.	OC output chopping operation	0402
OCT.	OC output forced OFF	0403
DC.	OC output delay time	0404
OD.	OD output function selection	0405
ODL.	OD output logic changeover	0406
ODC.	OD output chopping operation	0407
ODT.	OD output forced OFF	0408
DD.	OD output delay time	0409
OF.	OF output function selection	0410
OFL.	OF output logic changeover	0411
FUD.	Presser foot lifter output chopping duty	0412
FO.	Presser foot lifter FU full wave output time	0413
FU.	Presser foot lifter FU momentary mode	0414
DF.	OF output delay time	0415
O1.	O1 output function selection	0416
O1L.	O1 output logic changeover	0417
O1C.	O1 output chopping function	0418
O1T.	O1 output forced OFF	0419
D1.	O1 output delay time	0420
O2.	O2 output function selection	0421
O2L.	O2 output logic changeover	0422
O2C.	O2 output chopping function	0423
O2T.	O2 output forced OFF	0424
D2.	O2 output delay time	0425
O3.	O3 output function selection	0426
O3L.	O3 output logic changeover	0427
O3C.	O3 output chopping function	0428
O3T.	O3 output forced OFF	0429
D3.	O3 output delay time	0430
O4.	O4 output function selection	0431
O4L.	O4 output logic changeover	0432
O4T.	O4 output forced OFF	0433
D4.	O4 output delay time	0434
O5.	O5 output function selection	0435
O5L.	O5 output logic changeover	0436
O5T.	O5 output forced OFF	0437
D5.	O5 output delay time	0438
O6.	O6 output function selection	0439
O6L.	O6 output logic changeover	0440
O6C.	O6 output chopping function	0441
O6T.	O6 output forced OFF	0442
D6.	O6 output delay time	0443
O7.	O7 output function selection	0444
O7L.	O7 output logic changeover	0445
O7C.	O7 output chopping function	0446
O7T.	O7 output forced OFF	0447
D7.	O7 output delay time	0448
OM.	OM output function selection	0449
OML.	OM output logic changeover	0450
OMT.	OM output forced OFF	0451
DM.	OM output delay time	0452
ON.	ON output function selection	0453
ONL.	ON output logic changeover	0454
ONT.	ON output forced OFF	0455

name	Function	No.
DN.	ON output delay time	0456
OO.	OO output function selection	0457
OOL.	OO output logic changeover	0458
OOT.	OO output forced OFF	0459
DO.	OO output delay time	0460
OP.	OP output function selection	0461
OPL.	OP output logic changeover	0462
OPT.	OP output forced OFF	0463
DP.	OP output delay time	0464
OQ.	OQ output function selection	0465
OQL.	OQ output logic changeover	0466
OQT.	OQ output forced OFF	0467
DQ.	OQ output delay time	0468
O.R.	OR output function selection	0469
O.RL.	OR output logic changeover	0470
O.RT.	OR output forced OFF	0471
DR.	OR output delay time	0472
PO.	Full wave output time for each output	0473
POD.	Output chopping duty except of FU output	0474
OTT.	Forced OFF timer setting function for each output	0475
FCT.	Time setting for FUM operation mode	0476
A1.	Logic [AND] module input function selection	0477
A1L.	Logic [AND] module setting of Hi/Low logic	0478
A1A.	Logic [AND] module Alternate	0479
N1.	Logic [AND] module output function selection	0480
N1L.	Logic [AND] module setting of Hi/Low logic	0481
N2.	Logic [AND] module output function selection	0482
N2L.	Logic [AND] module setting of Hi/Low logic	0483
A2.	Logic [AND] module input function selection	0484
A2L.	Logic [AND] module setting of Hi/Low logic	0485
A2A.	Logic [AND] module Alternate	0486
N3.	Logic [AND] module output function selection	0487
N3L.	Logic [AND] module setting of Hi/Low logic	0488
N4.	Logic [AND] module output function selection	0489
N4L.	Logic [AND] module setting of Hi/Low logic	0490
A3.	Logic [AND] module input function selection	0491
A3L.	Logic [AND] module setting of Hi/Low logic	0492
A3A.	Logic [AND] module Alternate	0493
N5.	Logic [AND] module output function selection	0494
N5L.	Logic [AND] module setting of Hi/Low logic	0495
N6.	Logic [AND] module output function selection	0496
N6L.	Logic [AND] module setting of Hi/Low logic	0497
OR.	Logic [OR] module input function selection	0498
ORL.	Logic [OR] module setting of Hi/Low logic	0499
ORA.	Logic [OR] module Alternate	0500
R1.	Logic [OR] module output function selection	0501
R1L.	Logic [OR] module setting of Hi/Low logic	0502
R2.	Logic [OR] module output function selection	0503
R2L.	Logic [OR] module setting of Hi/Low logic	0504
CSP.	Variable speed command for digital input	0505
CSG.	Variable speed command for digital input (Gray code)	0506
LB.	Thread release + backstitch output	0507
T1C.	Virtual output OT1 forced OFF function	0508
T1T.	Forced OFF timer setting function for virtual output OT1	0509
T2C.	Virtual output OT2 forced OFF function	0510
T2T.	Forced OFF timer setting function for virtual output OT2	0511
T3C.	Virtual output OT3 forced OFF function	0512
T3T.	Forced OFF timer setting function for virtual output OT3	0513
D11.	ON delay time setting function for virtual output OT1	0514
D12.	OFF delay time setting function for virtual output OT1	0515
D21.	ON delay time setting function for virtual output OT2	0516
D22.	OFF delay time setting function for virtual output OT2	0517
D31.	ON delay time setting function for virtual output OT3	0518

name	Function	No.
D32.	OFF delay time setting function for virtual output OT3	0519
CPK.	Feed pulse output (CP) cancel function	0520
CP.	Setting CP pulse amount	0521
CPC.	Prohibited angle of output CP pulse	0522
PSW.	Panel switch operation prohibit	0523
CKB.	O4, O5 output cancel during backtack term	0524
CPB.	CP output cancel during backtack term	0525
C.	Speed setting for the [SPC] output	0526
D.	Speed setting for the [SPD] output	0527
E.	Speed setting for the [SPE] output	0528
CNF.	F key function on control panel	0529
PDS.	Variable speed pedal changeover setting	0530
V2C.	Speed instruction VC2 cancellation	0531

name	Function	No.
D1.	Operation mode during tacking	0600
D2.	Operation mode during start tack completion	0601
CT.	Stop time at each corner during start and backtacking	0602
BM.	Tack alignment	0603
BT1.	No. of stitch compensation for start tacking alignment	0604
BT2.	No. of stitch compensation for start tacking alignment	0605
BT3.	No. of stitch compensation for end tacking alignment	0606
BT4.	No. of stitch compensation for end tacking alignment	0607
BTP.	No. of tacking stitches (+) 15 stitches function	0608
BTO.	No. of tacking stitches addition stitches function	0609
BTT.	Full heeling function immediately after start tacking stop	0610
CSJ.	Not used.	0611
SPN.	The speed operation mode when both the medium speed signal and S5V signal is ON	0612
BTM.	Set table types of tacking	0613
S7M.	Input signal S7 operation mode during preset stitching	0614
S7U.	Manual backstitch ON timing 1	0615
S7D.	Manual backstitch ON timing 2	0616
7BD.	The OFF timing setting of output B when the backstitching signal (S7) is OFF setting.	0617
BTN.	The maximum tacking stitches (maximum stitches is 99 stitches)	0618
BCC.	No. of end tacking stitches during direct heeling	0619
TLS.	Operation mode during thread trimmer cancel signal [TL] setting	0620
BTS.	Input signal BTL quick pressing operation	0621
BS.	Input signal SB and EB quick pressing operation	0622
BTD.	Operation when input signal BTL is ON	0623
BD.	Operation when input signal SB and EB tacking OFF are set	0624
PNE.	End tacking cancel mode with input signal PSU	0625
BZ.	The buzzer of control panel validity	0626

E mode (For H/W checking mode): [↓]+[↑]+[A] key

name	Function	No.
1.	Error code (The last error code)	0700
2.	Error code (The second to last code)	0701
3.	Error code (The third to last code)	0702
4.	Error code (The fourth to last code)	0703
P.	Total integration time of power on	0704
M.	Total integration time of motor run	0705
IA.	Input display	0706
IB.	Input display	0707
IC.	Input display	0708
ID.	Input display	0709
IE.	Input display	0710
IF.	Input display	0711
IG.	Input display	0712
IH.	Input display	0713
II.	Input display	0714
IJ.	Input display	0715
IK.	Input display	0716
IL.	Input display	0717
IP.	Input display	0718
IQ.	Input display	0719
IR.	Input display	0720
I1.	Input display	0721
I2.	Input display	0722
I4.	Input display	0723
I5.	Input display	0724
ECA.	Encoder signal display (A phase)	0725
ECB.	Encoder signal display (B phase)	0726
UP.	Detector signal display (UP signal)	0731
DN.	Detector signal display (DN signal)	0732
DR.	Display the angle from down position	0733
VC.	Display the voltage of VC	0734
V2.	Display the voltage of VC2	0736
OAD.	Output signal display	0737
OBD.	Output signal display	0738
OCD.	Output signal display	0739
ODD.	Output signal display	0740
OFD.	Output signal display	0741
O1D.	Output signal display	0742
O2D.	Output signal display	0743
O3D.	Output signal display	0744
O4D.	Output signal display	0745
O5D.	Output signal display	0746
O6D.	Output signal display	0747
O7D.	Output signal display	0748
OPD.	Output signal display	0749
OQD.	Output signal display	0750
ORD.	Output signal display	0751
OAO.	Solenoid output	0752
OBO.	Solenoid output	0753
OCO.	Solenoid output	0754
ODO.	Solenoid output	0755
OFO.	Solenoid output	0756
O1O.	Solenoid output	0757
O2O.	Solenoid output	0758
O3O.	Solenoid output	0759
O4O.	Solenoid output	0760
O5O.	Solenoid output	0761
O6O.	Solenoid output	0762
O7O.	Solenoid output	0763
OPO.	LED output for G500 type control panel	0764
OQO.	LED output for G500 type control panel	0765
ORO.	LED output for G500 type control panel	0766
WT.	Rated output display	0767
VL.	Voltage display	0768
TP.	Model display	0769
DV.	Data version No.	0770
RV.	Software version No.	0771
T.	Display previous simple setting selected.	0772

F mode (Cutter setting mode): [↓]+[↑]+[B] key

name	Function	No.
COA.	Set No. of stitches A for cutter output (Setting the delay time during chain-off output ON)	0800
COB.	Set No. of stitches B for cutter output (Setting the delay time during chain-off output OFF)	0801
COC.	Set No. of stitches C for cutter output	0802
X .	No. of stitches for BT output ON after sensor OFF setting	0803
Y .	No. of stitches for sewing machine stop after BT output ON setting	0804
Z .	No. of stitches for BT output OFF after start of stitching setting	0805
SD.	Delay time to when SL output turns from OFF to ON	0806
ED.	Delay time to when SL output turns from ON to OFF	0807
SLH.	No. of set stitches during SL output ON selection mode	0808
SLK.	SL output start position setting	0809
SLT.	SL output start position during SLS function ON setting	0810
SLL.	Speed limit M except tacking and SL on	0811
SLS.	SL output operation during motor stop	0812
O1B.	OT1 output blower output setting	0813
O2M.	OT2 output chain-off output setting	0814
O3M.	OT3 output cutter output setting	0815
I2M.	Mesh judgment control with I*2 input	0816
CTY.	Setting I*3 signal for manual cutter output	0817
CTM.	Status of cutter output photo switch (I*2) signal according to OT3 output	0818
CTR.	Turn OT3 output ON/OFF per set No. of stitches when I*3 signal is ON	0819
CSC.	Automatic cutter output prohibit during sensor ON	0820
CEC.	Automatic cutter output prohibit during sensor OFF	0821
CTS.	Cutter output prohibit when sensor is ON while stopped	0822
CAT.	Automatic thread trim setting after cutter sensor is turned off	0823
CTL.	Set I*1 input, OP1 output to cutter BT specifications input/output	0824
NMD.	Preset stitching operation after operation signal OFF	0825
RLM.	ROL output mode	0826
RLN.	No. of stitches setting for auxiliary feeding rear roller	0827
CTG.	Not used.	0828
CGD.	Not used.	0829
EDT.	Not used.	0830
EDS.	Not used.	0831
CAS.	Not used.	0832
ESC.	Not used.	0833

	name	Function	No.
	TR.	Thread trimming mode	0900
	TRM.	Motor operation mode during thread trimming	0901
	LTM.	Thread trimming output (T) output mode	0902
	LLM.	Thread release output (L) output mode	0903
	TS.	Thread trimming output start angle	0904
	TE.	Thread trimming output angle	0905
	LS.	Thread release output start angle	0906
	LE.	Thread release output angle	0907
	T1.	Thread trimming output start time	0908
	T2.	Thread trimming output time	0909
	L1.	Thread release output start time	0910
	L2.	Thread release output time	0911
	R1.	Thread release output start time (Output TF start time)	0912
	R2.	Thread release output time (TF output time)	0913
	R3.	Condensed stiching start time (Stop time before thread trimming)	0914
	W1.	Wiper output start time	0915
	W2.	Wiper output time	0916
	WMD.	Wiper output operation mode	0917
	F1.	Presser foot lifting output start time	0918
	FD.	Time to motor drive after presser foot lifter bring down	0919
	IL.	Interlock time during thread trimming	0920
	IT.	Interlock time during no thread trimming	0921
	TDS.	Motor rotation after motor stop before thread trimming	0922
G mode (Thread trimming timing setting mode): [↓]+[↑]+[C] key	TD.	Motor stop time during lockstitch and R output time during chain stitch	0923
	RUS.	Delay setting before reverse run during RU setting	0924
	RT.	Delay time before reverse run during RU setting	0925
	RUM.	Reverse run needle lifting [RU] after output T, L and W	0926
	WS1.	Wiper output OFF trimming with (S1) signal	0927
	S2T.	Operation mode with thread trimming signal to shift the needle stop position and return to the original needle stop position before the thread trimming signal	0928
	S2P.	Operation mode with thread trimming signal when shifting the needle stop position before the thread trimming signal	0929
	MAN.	Solenoid output OT1 manual/automatic change	0930
	HOF.	Setting of no. of stitches during MAN [OFF] setting	0931
	WB .	Weak brake ON simultaneously with wiper output (W)	0932
	TDT.	Motor rotation operation when LTM function is set to T1, T2 or T3	0933
	C1 .	Not used	0934
	C2 .	Not used	0935
	C3 .	Not used	0936
	T3.	Not used	0937
	T4.	Not used	0938
	T5.	Not used	0939
	PET.	Not used	0940
	P9U.	Not used	0941
	HHC.	Not used	0942
	PAA.	Not used	0943
	STL.	Not used	0944
	L8.	Not used	0945
	PEK.	Not used	0946
	PPA.	Setting A which can be used by step sequence	0947
	PPB.	Setting B which can be used by step sequence	0948
	PPC.	Setting C which can be used by step sequence	0949
	PPD.	Setting D which can be used by step sequence	0950
	PPE.	Setting E which can be used by step sequence	0951
	PPF.	Setting F which can be used by step sequence	0952
	PPG.	Setting G which can be used by step sequence	0953
	PPH.	Setting H which can be used by step sequence	0954

	name	Function	No.
	LHH.	Upper limit of maximum speed [H]	1000
	LHL.	Lower limit of maximum speed [H]	1001
	LLH.	Upper limit of low speed [L]	1002
	LLL.	Lower limit of low speed [L]	1003
H mode (Setting speed limit setting mode): [↓]+[↑]+[D] key	LTH.	Upper limit of thread trimming speed [T]	1004
	LTL.	Lower limit of thread trimming speed [T]	1005
	LNH.	Upper limit of start/end tacking (condensed stitching) speed	1006
	LNL.	Lower limit of start/end tacking (condensed stitching) speed	1007
	LMH.	Upper limit of medium speed [M]	1008
	LML.	Lower limit of medium speed [M]	1009
	LSH.	Upper limit of slow start speed [S]	1010
	LSL.	Lower limit of slow start speed [S]	1011

	name	Function	No.
	MAC.	Simple setting mode for [1],[2],[3] prohibit	1100
	TRC.	[P],[G] mode thread trimmer mode TR prohibit	1101
	CWC.	Rotation direction changeover prohibit	1102
	12C.	1-2 position changeover prohibit	1103
	SLC.	Slow start changeover prohibit	1104
	SPC.	Speed setting key changeover prohibit	1105
	JKC.	Not used	1106
	SBC.	Start tacking validity changeover prohibit	1107
	SNC.	No. of start tacking stitches changeover prohibit	1108
	EBC.	End tacking validity changeover prohibit	1109
	ENC.	No. of end tacking stitches changeover prohibit	1110
	SKC.	Start tacking type changeover prohibit	1111
J mode (Panel switch cancel mode): [↓]+[↑]+[A]+[B] key	EKC.	End tacking type changeover prohibit	1112
	TSC.	Pattern stitching validity changeover prohibit	1113
	TNC.	Pattern stitching No. of stitches and times changeover prohibit	1114
	MDC.	Pattern mode pattern changeover prohibit	1115
	BAC.	Prohibit the all of key switches on control switch panel	1116
	BPC.	Prohibit the teaching mode key switches on control switch panel	1117
	BSC.	Prohibit the following key switches on control switch panel	1118
	PSW.	Operation prohibition of set value change key	1119
	BKC.	Prohibit the key switches on the control switch panel before thread trimming	1120
	NSV.	The use number is preserved by the number call.	1121
	CMP.	It blinks compared with a set value.	1122
	CMS.	At the comparison when it compares and it blinks destination.	1123
	PKC.	Prohibit "parameter setup (ABCD) key" during the normal mode.	1124
	NTM.	Not used	1125
	UDC.	Not used	1126

	name	Function	No.
	P21.	Operation during 2 - 1 position changeover	1200
	IO1.	Sewing machine speed during solenoid input signal [IO1] setting	1201
	COR.	Speed specification when COR input is ON	1202
	RND.	Speed specification when RND input is ON	1203
	NTL.	Setting the thread trimming key of control switch panel (mark of scissors) valid or invalid, when the preset stitching is active.	1204
	CNM.	Decelerate per step when Continuous is set with control panel XC-G500-Y	1205
	KD2.	DN signal is valid during the virtual DOWN control	1206
	IOD.	Validity of operation delay when IO1 signal is input	1207
	S7B.	Delay to motor drive after B output ON	1208
	UFD.	Delay when S2 signal is U or UF	1209
	E8R.	Not used	1210
	MRA.	Not used	1211
	PAP.	UP position needle lifting at the power is turned ON	1212
	ST1.	One stitch operation mode during UCR setting	1213
	IT1.	Setting one stitch operation, when "S01" signal is set	1214
	S6M.	Operation mode during thread trimming protection signal (S6) input/release	1215
	S6A.	Thread trimming protection signal (S6) operation mode	1216
	KTM.	End tacking mode when TR function is set to chain stitch	1217
	KDM.	Lock stitch tacking menu display	1218
	UFP.	U, UF signal needle lift prohibit at position other than set position	1219
	UPB.	Weak brake validity when UP signal is ON	1220
	ESB.	Weak brake forced OFF when stopped with ES signal	1221
	UPS.	UP position detection stop	1222
	UP2.	Stop status after low speed detection	1223
	K.	Low speed detection speed	1224
	NAN.	Deceleration mode	1225
	ESF.	Presser foot lifter operation during emergency stop	1226
	PRC.	OP output and OP1 output prohibit at restart	1227
	TS6.	S2 signal validity when S6 signal is ON.	1228
	PNC.	Speed loop stopping control when the machine is overrun with the preset stitching	1229
	MFN.	Input port IL, I1 and I2 software noise filter validity	1230
	PFN.	All input port software noise filter validity	1231
	SEF.	No. of stitches fornoise removal during sensor input setting	1232
	PSM.	Deceleration state during PSU, PSD signal ON	1233
	2ST.	Low stitching speed validity when the preset stitching is two stitches	1234
	PSS.	No. of set stitch stitching speed when PSU, PSD, SEN signal is ON	1235
	PSK.	Speed at PSU, PSD, SEN signal is ON	1236
	PUF.	No. of stitches for removing noise when PSU signal is ON	1237
	PDF.	No. of stitches for removing noise when PSD signal is ON	1238
	CDR.	Zigzag during continuous tacking	1239
	ZNC .	No. of stitches of zigzag stitch (sway width) setting	1240
	BRC.	BCR operation after thread trimming	1241
	USN.	Actual No. of USR operations	1242
	2RW.	W output mode during S2R=OFF setting	1243
	BTC.	O1 output prohibit during tacking and thread trimming	1244
	PR .	OP output prohibit/permit changeover with input I1 during operation	1245
	P1R.	OP1 output prohibit/permit changeover with input I1 during operation	1246
	TBC.	B output OFF prohibit mode during thread trimming	1247
	KTL.	KS3 output and TF output prohibit during TL input ON	1248

K mode (Various setting mode): [↓]+[↑]+[A]+[C] key

	name	Function	No.
	FLC.	Presser foot operation of F, S2, S3 signal is OFF when FUM function is ON, FU function is M or C.	1249
	SPT.	T output, L output protection function	1250
	FW .	Wiper output W ON simultaneously with presser foot lifting output FU	1251
	PS1.	Input signal check function when power is turned on	1252
	B2O.	Setting program stitch of the control switch panel	1253
	TOB.	Setting "OT1" output while "B" output is ON	1254
	2SL.	Special specification setting of limit contorol	1255
	NCK.	Setting output at FWD input ON	1256
	UDN.	Needle lift function is invalidated, excluding the needle down position.	1257
	FSL.	The set value of full speed	1258
	UPR.	Not used	1259
	HWG.	Operation gain for the big inertia sewing machine	1260
	PPS.	Stop by pedal neutrality under operation PSU, PSD, PS1, PS2	1261
	PCB.	Not used	1262
	TQT.	Not used	1263
	E8T.	Not used	1264
	WBO.	Not used	1265
	R3D.	Not used	1266
	MEA.	Not used	1267
	OCS.	Not used	1268
	STP.	Step ON/OFF	1269
	STS.	Number of step execution lines.	1270
	HDS.	Not used	1271
	1ST.	Not used	1272
	TMI.	The unit of the display time is selected.	1273

K mode (Various setting mode): [↓]+[↑]+[A]+[C] key

name	Function	No.
IA.	Function selection of making IA two input signal functions	1300
IAL.	Logical conversion function to make IA two input signal functions	1301
IAA.	Not used	1302
IB.	Function selection of making IB two input signal functions	1303
IBL.	Logical conversion function to make IB two input signal functions	1304
IBA.	Not used	1305
IC.	Function selection of making IC two input signal functions	1306
ICL.	Logical conversion function to make IC two input signal functions	1307
ICA.	Not used	1308
ID.	Function selection of making ID two input signal functions	1309
IDL.	Logical conversion function to make ID two input signal functions	1310
IDA.	Not used	1311
IE.	Function selection of making IE two input signal functions	1312
IEL.	Logical conversion function to make IE two input signal functions	1313
IEA.	Not used	1314
IF.	Function selection of making IF two input signal functions	1315
IFL.	Logical conversion function to make IF two input signal functions	1316
IFM.	Operation selection of making IF two input signal functions	1317
RFS.	Not used	1318
RFR.	Not used	1319
RFN.	Not used	1320
IG.	Function selection of making IG two input signal functions	1321
IGL.	Logical conversion function to make IG two input signal functions	1322
IGA.	Not used	1323
IH.	Function selection of making IH two input signal functions	1324
IHL.	Logical conversion function to make IH two input signal functions	1325
IHA.	Not used	1326
II.	Function selection of making II two input signal functions	1327
IIL.	Logical conversion function to make II two input signal functions	1328
IIA.	Not used	1329
IJ.	Not used	1330
IJL.	Not used	1331
IJA.	Not used	1332
IK.	Not used	1333
IKL.	Not used	1334
IKA.	Not used	1335
IL.	Not used	1336
ILL.	Not used	1337
ILA.	Not used	1338
I1.	Function selection of making I1 two input signal functions	1339
I1L.	Logical conversion function to make I1 two input signal functions	1340
I1M.	Operation selection of making I1 two input signal functions	1341
I1O.	Not used	1342
I1F.	Not used	1343
I1C.	Not used	1344
1CT.	Not used	1345
F1P.	Not used	1346
F1C.	Not used	1347
F1S.	Not used	1348
R1S.	Not used	1349
R1R.	Not used	1350
R1N.	Not used	1351
I2.	Function selection of making I2 two input signal functions	1352
I2L.	Logical conversion function to make I2 two input signal functions	1353

name	Function	No.
I2M.	Operation selection of making I2 two input signal functions	1354
I2C.	Not used	1355
2CT.	Not used	1356
R2S.	Not used	1357
R2R.	Not used	1358
R2N.	Not used	1359
I4.	Function selection of making I4 two input signal functions	1360
I4L.	Logical conversion function to make I4 two input signal functions	1361
I4A.	Not used	1362
I5.	Function selection of making I5 two input signal functions	1363
I5L.	Logical conversion function to make I5 two input signal functions	1364
I5A.	Not used	1365

Q mode (Speed command, Speed limit, Thread break detector setting mode): [↓]+[A]+[C] key

name	Function	No.
VCS.	Virtual S1 operation with VC levels	1400
VCL.	Setting of VC1 and VC2 where virtual S1 turns ON	1401
VCD.	Input voltage hysteresis during virtual S1 signal ON/OFF by VC and VC2 level	1402
V1R.	VC curve reversal mode	1403
V15.	VC input 5V/12V changeover mode	1404
VC2.	VC2 operation mode	1405
V2R.	VC2 curve reversal mode	1406
V25.	VC2 input 5V/12V changeover mode	1407
VL1.	Speed limiter curve inflection point 1 percentage	1408
VP1.	Speed limiter curve inflection point 1 point	1409
VP2.	Speed limiter curve inflection point 2 point	1410
FLM.	Operation speed limit specification mode 1	1411
2LM.	Operation speed limit specification mode 2	1412
LMD.	Speed command value correctly by middle speed digital during speed limit process	1413
HMD.	Speed limit with digital speed setting on control switch panel	1414
E8C.	Ignore detector error	1415
TH .	Thread break sensor valid	1416
TST.	Operation after thread break sensor detection	1417
B.	Speed to ignore thread break sensor	1418
THS .	No. of stitches to ignore thread break sensor after starting stitching	1419
THF .	Number of stitches for judgment of thread break.	1420
RFU.	Operation mode with F input during sewing machine operation	1421
S7C.	Output of backtacking output (B) during OT1 output ON inhibited	1422
LIM.	Medium speed (M) limit mode during OT1 output ON	1423
O1P.	Simultaneously ON of OP1 output during OT1 output ON	1424
LVB.	Disregard of S3 signal of Lever Unit	1425
PD1.	1 step heeling setting for the internal lever unit	1426
VCSET	Adjustment mode for the internal lever unit	1427
MTJ.	Not used.	1428
MOA.	Not used.	1429
MOB.	Not used.	1430
MOC.	Not used.	1431
VCA.	VC assistance ON/OFF	1432
VCP.	Strength of VC assistance	1433

S mode (Simple sequence mode): [↓]+[B]+[D] key

name	Function	No.
KSM.	KS1, KS2 output run mode	1500
SQS.	Simple sequence start conditions	1501
SQE.	Simple sequence forced end conditions	1502
NS1.	Simple sequence output KS1 output beginning is time or the number of stitch is selected	1503
NE1.	Simple sequence output KS1 output is time or the number of stitch is selected	1504
S1S.	Output beginning standard of simple sequence output KS1	1505
S1E.	Output end standard of simple sequence output KS1	1506
NS2.	Simple sequence output KS2 output beginning is time or the number of stitch is selected	1507
NE2.	Simple sequence output KS2 output is time or the number of stitch is selected	1508
S2S.	Output beginning standard of simple sequence output KS2	1509
S2E.	Output end standard of simple sequence output KS2	1510
NS3.	Simple sequence output KS3 output beginning is time or the number of stitch is selected	1511
NE3.	Simple sequence output KS3 output is time or the number of stitch is selected	1512
S3S.	Output beginning standard of simple sequence output KS3	1513
S3E.	Output end standard of simple sequence output KS3	1514
NS4.	Simple sequence output KS4 output beginning is time or the number of stitch is selected	1515
NE4.	Simple sequence output KS4 output is time or the number of stitch is selected	1516
S4S.	Output beginning standard of simple sequence output KS4	1517
S4E.	Output end standard of simple sequence output KS4	1518
K11.	KS1 output start [Time]/[No. of Stitches] setting	1519
K12.	KS1 output [Time]/[No. of Stitches] setting	1520
K21.	KS2 output start [Time]/[No. of Stitches] setting	1521
K22.	KS2 output [Time]/[No. of Stitches] setting	1522
K31.	KS3 output start [Time]/[No. of Stitches] setting	1523
K32.	KS3 output [Time]/[No. of Stitches] setting	1524
K41.	KS4 output start [Time]/[No. of Stitches] setting	1525
K42.	KS4 output [Time]/[No. of Stitches] setting	1526
K1M.	KS1 output run mode	1527
K1D.	Run prohibit during KS1 output ON	1528
K1C.	K11, K12 time clear during KS1 output ON	1529
K2C.	K21, K22 time clear during KS2 output ON	1530
K3C.	K31, K32 time clear during KS3 output ON	1531
KSL.	Increase the number of K11 through K42 by ten	1532
KL1.	Sequence output time setting/No. of stitch setting each by ten times setting	1533
KL2.	Sequence output time setting/No. of stitch setting each by ten times setting	1534
KL3.	Sequence output time setting/No. of stitch setting each by ten times setting	1535
KL4.	Sequence output time setting/No. of stitch setting each by ten times setting	1536