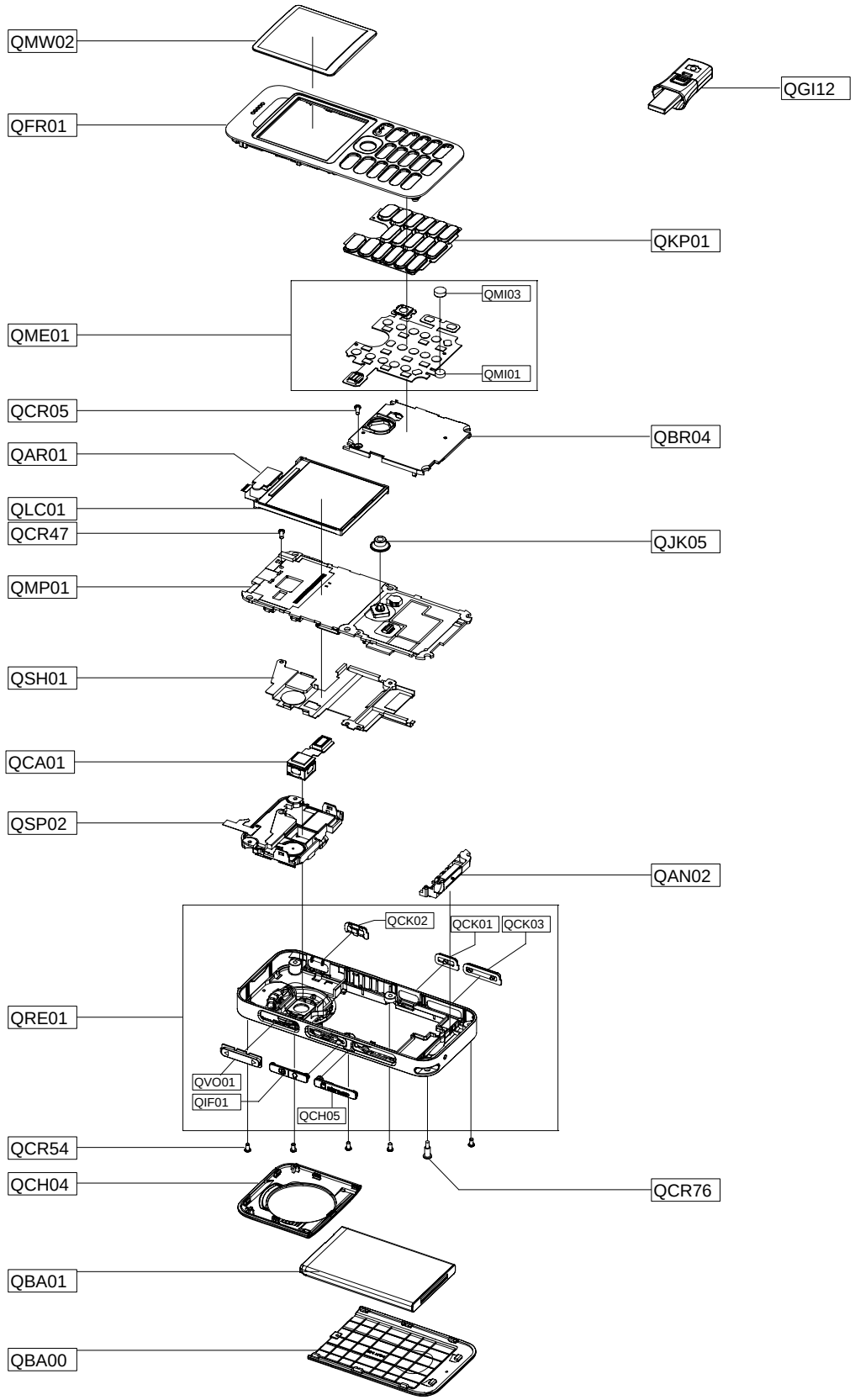
5. Exploded View/Disassembly&Assembly Instructions

5-1. Cellular phone Exploded View



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5-2. Cellular phone Parts list

Design LOC	Description	SEC CODE
QAN02	INTENNA-SGHE590	GH42-01061A
QAR01	AUDIO-RECEIVER	3009-001249
QBA00	PMO-COVER BATTERY	GH72-36223A
QBA01	INNER BATTERY PACK-800MAH,BLK,	GH43-02644A
QBR04	ASSY BRACKET-KEY	GH98-04880A
QCA01	CAMERA MODULE	GH59-03882A
QCH04	PMO-COVER CAMERA	GH72-38178A
QCH05	PMO-COVER T FLASH	GH72-36197A
QCK01	ASSY KEY-CAMERA	GH98-04001A
QCK02	ASSY KEY-MODE	GH98-04002A
QCK03	ASSY KEY-ZOOM	GH98-04003A
QCR05	SCREW-MACHINE	6001-001478
QCR47	SCREW-MACHINE	6001-001695
QCR54	SCREW-MACHINE	6001-001645
QCR76	SCREW-SPECIAL	6009-001525
QFR01	ASSY CASE-FRONT	GH98-03185A
QGI12	ASSY ACCE-BAGFOD	GH98-05701A
QIF01	PMO-COVER IF	GH72-36196A
QJK01	PMO KEY-JOG	GH72-43189A
QKP01	ASSY KEYPAD-(SER/BLK)	GH98-05189A
QLC01	LCD-LCD MODULE	GH07-01063A
QME01	KEY FPCB-MAIN KEY PBA	GH59-03881A
QMI01	AS-SGHE590 MICROPHONE	GH81-06679A
QMI03	AS-SCHF679 MIC RUBBER	GH81-06599A
QMP01	PBA MAIN-SGHE590	GH92-03377A
QMW02	PMO-MAIN WINDOW MOLD	GH72-36226A
QRE01	ASSY CASE-REAR	GH98-03184A
QSH01	ASSY COVER-SHIELD CAN	GH98-03998A
QSP02	MODULE SPEAKER	GH59-03923A
QVO01	ASSY KEY-VOLUME	GH98-03999A

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Description	SEC CODE
CBF INTERFACE-DATA LINK CABLE	GH39-00444A
ADAPTOR-SGHE690,BLK,EU,A_TYPE	GH44-01361A
SPONGE-MOTOR	GH74-33388A
SPONGE	GH74-33389A
LABEL(R)-WATER SOAK	GH68-09361A
TAPE GASK	GH74-33672A
TAPE GASK	GH74-33673A
TAPE-CAMERA KEY	GH74-33957A
TAPE GASK	GH74-33958A
MPR-VINYL BOHOMAIN WINDOW 2	GH74-30616A
SPONGE	GH74-33128A
SPONGE	GH74-34145A
LABEL(P)-UNIT SEAL	GH68-00518B
LABEL(R)-MAIN(EU)	GH68-14087A
BOX-UNIT(EU)	GH69-05133A
S/W CD-SGHE590 PC LINK CD	GH46-00411A
MANUAL USERS-EU ENGLISH	GH68-14202A
MANUAL USERS-EU RUSSIAN	GH68-14203A
EARPHONE-SGHU600,HEADSET,BLK,A	GH59-04446A
VINYL-BOHO MAIN WINDOW	GH74-33923A

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5-3. Disassembly and Assembly Instructions

5-3-1. Disassembly

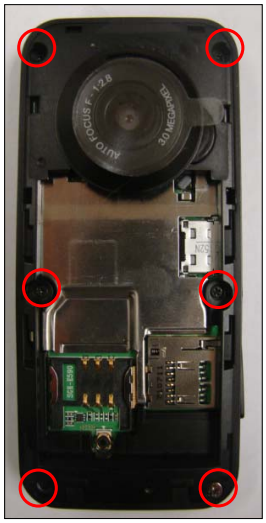
1

1) Disassemble the CAMERA COVER from the REAR using a disassembly stick.

1) Be careful not to make scratch.
2) Please remove the Camera cover locker first.

2

1) Unscrew the REAR at the 6 points.



1) Be careful not to make scratch and molding damage!

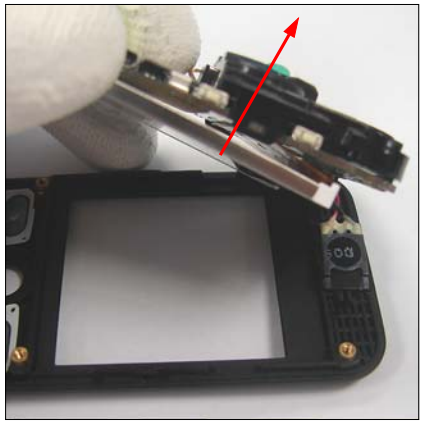
3

1) Disassemble the REAR.

1) Be careful not to make scratch and molding damage!
2) Please remove the REAR locker first.

4

1) Detach the RECEIVER from the FRONT.
2) Disassemble the PBA ASS'Y from the FRONT.



1) Be careful not to damage Receiver.
2) Be careful not to make scratch and molding damage!

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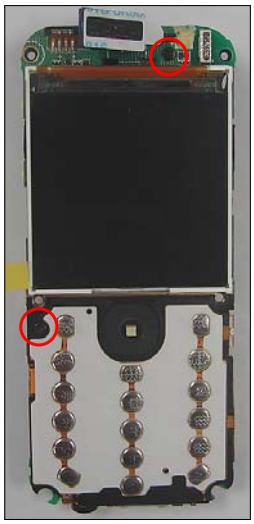
5

1) Detach the JOG KEY from the PBA ASS'Y.

1) Be careful not to damage LCD.
2) Be careful not to make scratch and molding damage!

6

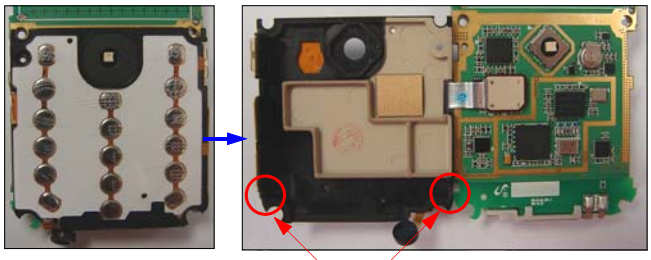
1) Unscrew the PBA ASS'Y at the 2 points.



1) Be careful not to damage LCD.
2) Be careful not to make scratch and molding damage!

7

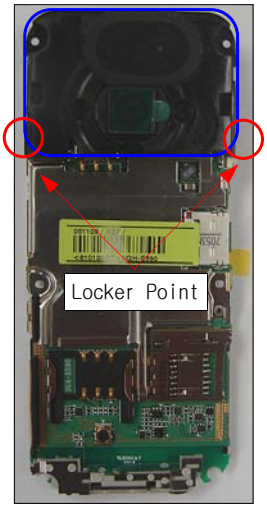
1) Disassemble the KEY BRACKET from the PBA ASS'Y.



1) Please remove the key bracket locker first.
2) Be careful not to damage locker.

8

1) Disassemble the SPEAKER MODULE from the PBA ASS'Y.



1) Please remove speaker module locker first.
2) Be careful not to make scratch and molding damage!

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9

1) Detach the SHIELD CAN from the PBA ASS'Y.

1) Be careful not to damage PBA ASS'Y.
2) Be careful not to make scratch and molding damage!

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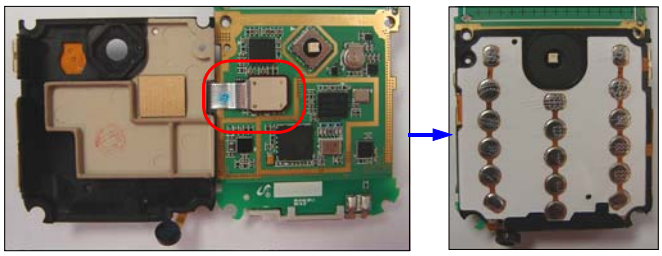
5-3-2. Assembly

1

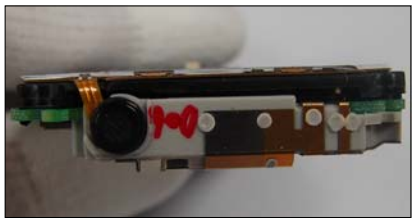
1) Joint CON to CON KEY FPCB with the PBA ASS'Y.



1) Be careful not to make scratch and molding damage!

2

1) Insert the MIC into the INTENNA.



1) Be careful not to make scratch and molding damage!
2) Be careful not to damage the MIC F-PCB.

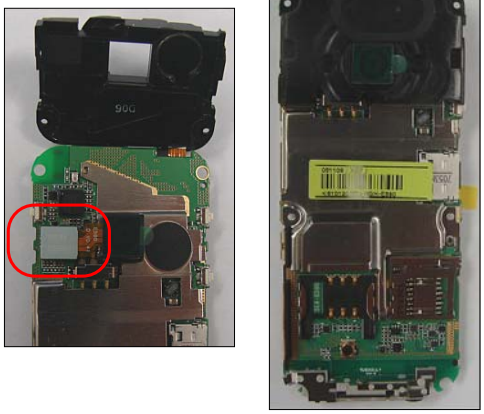
3

1) Assemble SHIELD CAN with PBA ASS'Y.
1) Screw the PBA ASS'Y at 2 point.

1) Check the SCREW SIZE. (M1.4,L2 and M1.4,L3)
2) Be careful not to make scratch and molding damage!
3) USE TORQUE : 0.9 ~ 1.1 Kgf.cm

4

1) Joint CON to CON CAMERA FPCB with the PBA ASS'Y.
2) Assemble SPEAKER MODULE with PBA ASS'Y.



1) Please remove speaker module locker first.
2) Be careful not to make scratch and molding damage!

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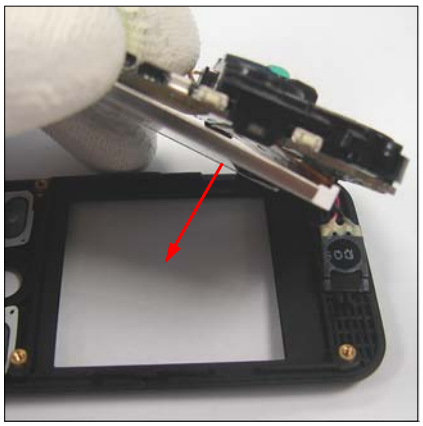
5

1) Attach the JOG KEY on the KEY BRACKET.

1) Be careful not to make scratch and molding damage!

6

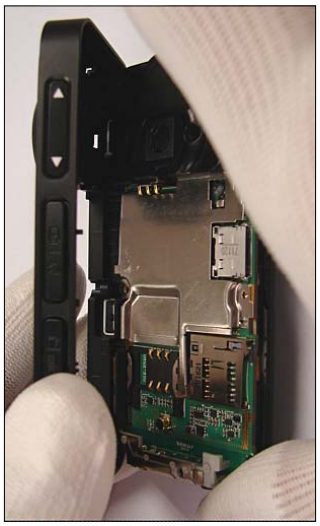
1) Insert the KEYPAD into FRONT.
2) Attach the RECEIVER on the FRONT.
3) Assemble PBA ASS'Y with FRONT.



1) Be careful not to make scratch and molding damage!

7

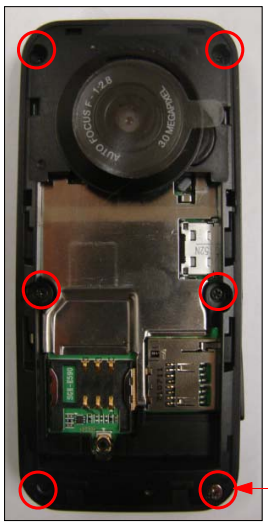
1) Assemble FRONT with REAR.



1) Be careful not to make scratch and molding damage.
2) Be careful not to damage LCD F-PCB.

8

1) Screw the REAR at the 6 points.



1) Check the SCREW SIZE.(HANGER SCREW and M1.4,L5)
2) Be careful not to make scratch and molding damage.
3) USE TORQUE : 0.9 ~ 1.1 Kgf.cm

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9

1) Assemble CAMERA COVER with SET.

1) Be careful not to make scratch and molding damage!

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