

P7100 PORTABLE

PARTS AND ACCESSORIES QUICK REFERENCE GUIDE



System

Scan

Select

P7100 PORTABLE

ANTENNAS



HTNC1D

KRE1011219/3

Antenna, 162-174 MHz, Helical



HTNC1C

KRE1011219/2

Antenna, 150-162 MHz, Helical



HTNC1B

KRE1011219/1

Antenna, 136-151 MHz, Helical



HTNC5B

KRE1011219/9

Antenna, 378-403 MHz, Helical



HTNC1U

KRE1011219/10

Antenna, 403-430 MHz, Helical



HTNC1F

KRE1011219/12

Antenna, 450-494 MHz, Helical

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ANTENNAS



HTNC1G

KRE1011219/13

Antenna, 470-512 MHz, Helical



HTNC1L

KRE1011223/10

Antenna, 378-430 MHz, Whip



HTNC1N

KRE1011223/12

Antenna, 450-512 MHz, Whip



HTNC5X

KRE1011506/2

Antenna, 764-870 MHz, Whip



HTNC5K

KRE1011506/1

Antenna, 764-870 MHz
Flexible, End Fed Gain



HTNC5W

KRE1011219/21

Antenna, 150-174 MHz, Spring, Whip



HTNC1K

KRE1011223/01

Antenna, 806-870 MHz, Whip

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BATTERIES

(IMMERSION)



HTPA7W

BKB191210/34

Battery, Extra High Capacity
NiMH, Immersion



HTPA7V

BKB191210/33

Battery, High Capacity
NiCad, Immersion



Rear View of Batteries



HTPA7X/HTFH

BKB191210/35

Battery, High Capacity,
NiCad, FM/CSA/IS
Immersion



HTPA7Y/HTFE

BKB191210 /36

Battery, Extra High Capacity
NiMH, FM/CSA/IS
Immersion

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BATTERIES

(DRIVEN RAIN)



HTPA9P

BKB191210/44

Battery, Extra High Capacity
NiMH, DR



HTPA9N

BKB191210/43

Battery, High Capacity
NiCad, DR



Rear View of Batteries

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BATTERY CHARGERS



HTCH9E
BML16178/6
Charger, Desk,Rapid
120/230V



HTCH9A
BML16179/6
Charger, Multi,Rapid
120/230V



BML16151/006
Sleeve for Rapid Charger
Desktop and Multi-Charger



BML16178/30
Power Cord, 120V
for Desktop Charger

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BATTERY CHARGER/ANALYZER/CONDITIONERS



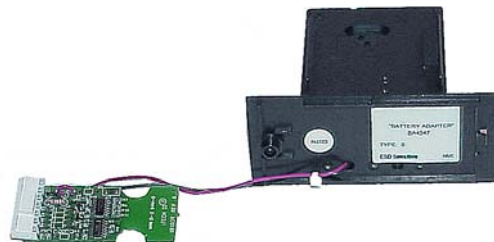
BC3506QP-5
IQ 5-System
Battery Conditioner/Analyzer



CADEX -7400
CADEX Battery
Conditioner/Analyzer (4 bay)



BA1200
Adapter, Charger, IQ 5 System
NiCd Batteries



BA4547
Adapter, Charger, IQ 5 System
NiMH Batteries

(Adapters For IQ 5 System)



Cadex-C7 Adapter
(Adapter for C7400 Battery Analyzer)

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VEHICULAR CHARGERS

H2VPDE

**Enhanced Vehicular Charger
Dual Position
(consists of all Items on Page)**



BML16167/172

**Enhanced Vehicular Charger
Dual Contact**



MC101616V1

Handheld Microphone



LS102824V1

**Mobile Speaker
4 Ohms**



344A4678P1

Microphone Hanger Kit

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VEHICULAR CHARGERS



**H2VPRE
BML16167/162**
Charger, Vehicular
Dual Position



M39/7028052500
Sleeve Assembly for
Vehicular Charger



RPM1132864/2
Remote Control Cable
for Vehicular Charger



344A4616P1
Mounting Bracket



RPM1132864/1
Power Cable

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ENHANCED VEHICULAR CHARGER OPTIONS

H2MA5U

Kit, Control Unit

Hand Held Controller

(consists of all items on page)



CA101239V1

Handheld Control Unit



CA101619V1

HHC Interface Cable
w/o Siren Interface



RPM1132864/2

Control Unit Cable
(to vehicular charger)

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ENHANCED VEHICULAR CHARGER OPTIONS

H2MA3P

**Kit, Control Unit, System
Remote Control**

(consists of all items on page)



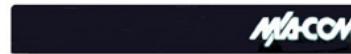
KRY1011632/14

**Control Unit, System
Enhanced Remote**



344A4584G2

**Mounting Bracket Kit
Remote Mount, CU**



NP101411V2

**Nameplate, M/A-COM
for Control Unit**



19B801358P2

Cable Assembly, 9 FT



19B802554P26

Accessory Plug Cover, DB25



19C852358P101

Keycap Kit, System, Standard



RPM1132864/2

**Control Unit Cable
(to vehicular charger
DB-2)**

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ENHANCED VEHICULAR CHARGER OPTIONS

H2MA3H

**Kit, Control Unit
Scan, Remote Control**

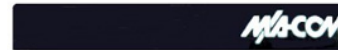
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KRY1011632/12
Control Unit, Scan
Enhanced Remote



344A4584G2
Mounting Bracket Kit
Remote Mount, CU



NP101411V2
Nameplate, M/A-COM
for Control Unit



19B801358P2
Cable Assembly, 9 FT



19B802554P26
Accessory Plug Cover, DB25



RPM1132864/2
Control Unit Cable
(to vehicular charger)

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ENHANCED VEHICULAR CHARGER OPTIONS



H2MK3F

19C852358P102

Kit, Keycap

System Control Unit



H2MK3E

19C852359P101

Kit, Keycap

Scan Control Unit

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SPEAKER MICROPHONES



HTAE7H

KRY1011617/383

Microphone, Lapel, Ruggedized
Coiled Cable <IS>



HTAE7J

KRY1011617/384

Microphone, Lapel, Ruggedized
Antenna Provision <IS>



HTAE7E

KRY1011617/287

Microphone, Lapel, Antenna
Provision, Immersion Rated
Coiled Cable <I/S>



HTAE7D

KRY1011617/284

Microphone Lapel, Antenna Provision
Immersion Rated, Straight Cable <IS>



HTAE7C

KRY1011617/283

Microphone, Lapel, Immersion Rated
Coiled Cord <IS>



HTAE7A

KRY1011617/183

Microphone, Lapel, Standard
Version Coiled Cable<IS>

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SPEAKER MICROPHONES



HTAE5J
KRY1011617/84
Microphone, Lapel
Antenna Provisioning <IS>



HTAE7G
KRY1011617/186
Microphone, Lapel, Ant Prov
Vehicular Charger Compatible <IS>



HTAE7F
KRY1011617/185
Microphone, Lapel
Vehicular Charger Comp<IS>



HTAE7B
KRY1011617/184
Microphone, Lapel
Antenna Provision
Standard Version<IS>



OT-V2-10121
Microphone, Lapel, Industrial



OT-V2-10122
Microphone, Lapel
Industrial Plus

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SPEAKER MICROPHONES



HTAE3Z

LS103239V1

Earphone, Lapel Microphone <IS>



OT-V3-10198

Replacement Coiled Cord
for Speaker Microphones



OT-V3-10199

Replacement Straight Cord
for Speaker Microphones



SPK0203

Speaker Microphone
1/4 Turn Screw for Cable

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SUBMINIATURE REMOTE CONTROL OPTIONS



OT-V1-10521
Earphone Kit, Beige



OT-V1-10520
Earphone Kit, Black



OT-V1-10522
2 Wire Palm
Microphone, Beige



OT-V1-10523
2 Wire Palm
Microphone, Black



OT-V1-10524
3 Wire Mini-Lapel
Microphone, Beige



OT-V1-10525
3 Wire Mini-Lapel
Microphone, Black

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SUBMINIATURE REMOTE CONTROL OPTIONS



OT-V4-10315

Headset, Lightweight
with single speaker



OT-V4-10314

Headset, Ultra Light
with in-line PTT, Black



OT-V4-10317

Headset, Behind The Head



OT-V4-10316

Headset, Over The Head

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CARRYING ACCESSORIES



HTHC7N

KRY1011639/2 Leather Case
KRY1011609/1 Belt Loop
**Case, Leather with <IS>
Belt Loop & Swivel**



HTHC7R

KRY1011648/1 Nylon Case
KRY1011609/1 Belt Loop
**Case, Nylon with <IS>
Belt Loop & Swivel, Black**



HTHC7S

KRY1011649/1 Nylon Case
KRY1011609/1 Belt Loop
**Case, Nylon with <IS>
Belt Loop & Swivel, Orange**



HTHC7T

KRY1011609/1 Belt Loop
KRY1011608/2 Swivel Clip
**Belt Loop, Leather with
Swivel <IS>**



HTHC7U

KRY1011656/1
T-Strap, Nylon, Radio <IS>



HTHC7P

KRY1011647/1
Belt Clip, Metal <IS>

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ACCESSORIES



HTCJ5Z

RPM1132472/33

Cable, Mobile Data Interface

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MISCELLANEOUS PARTS



G3UK07417
Front Cover Assembly
Scan Version



G3UK07420
Front Cover Assembly
System Version



G3UK07794
Front Cover Assembly
Select Version



G3UK07636
Rear Casting Assembly,
800 MHz, VHF, UHF-H



G3UK07421
Rear Casting Assembly
UHF-L 4W, UHF-L 100 mw



G3UK07653
Rear Cover Kit, Plastic

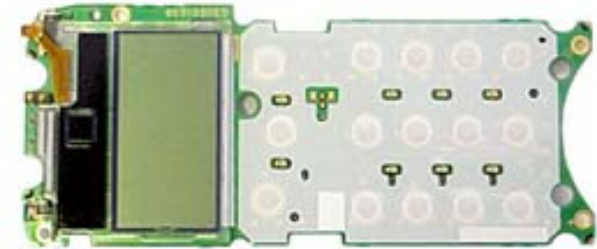
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MISCELLANEOUS PARTS



Main Board Assemblies

- CB101683V21 Main Board 136-174MHz, P1700/P5100
- CB101683V31 Main Board 800 MHz, Phase1, P7100/P5100
- CB101683V41 Main Board UHF-H, P7100/P5100
- CB101683V51 Main Board UHF-L, 100mw, P7100/P5100
- CB101683V61 Main Board UHF-L, 4W, P7100/P5100
- CB101683V71 Main Board 800 MHz, Phase2, P7100/P5100



G3UK07419

Interface Board



G4UK07371

RF Shield Assembly



G4UK07446

Label, Oval, Dome, P7100



G3UK07647

Switch Module Assembly

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MISCELLANEOUS PARTS



G4UK07595

Antenna Insert Assembly
with O-Ring



G4UK06573

Antenna Launch Switch



G3UK07646

Hardware Kit



G3UK07356

LCD Lens



G2UK07290

Keypad, Scan



G2UK07289

Keypad, System

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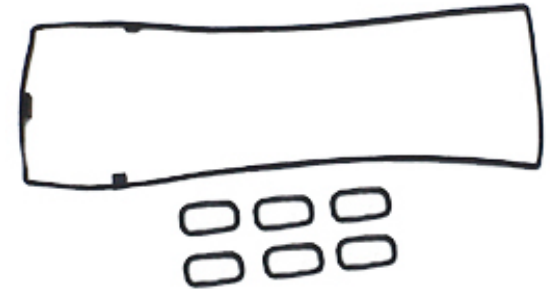
MISCELLANEOUS PARTS



G4UK07721
Button Kit



G4UK07720
PTT Button Kit



G3UK07652
Gasket Kit



G3UK07645
Complete Knob Kit



G4UK07644
Outer Knob Kit



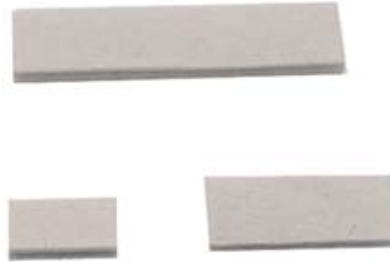
G4UK07600
Contacts, Battery Pogo Pin

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MISCELLANEOUS PARTS



SXA1047464/1
RF Antenna Bypass
Connector



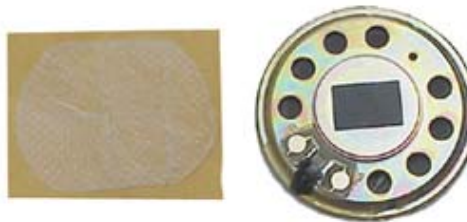
G4UK07648
Microphone Elastomeric
Connector Kit



G4UK07724
Microphone Kit



G3UK07654
Flex Circuit Assembly



G3UK07723
Speaker Kit



G4UK07722
UDC Kit

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MISCELLANEOUS PARTS



CMD-4215-874
Speaker Contact



G3UK06525-1
PA Thermal Shim
800 MHz and UHF-L
(sold in 10 pack)



G3UK06526-4
PA Thermal Shim
VHF and UHF-H
(sold in 10 Pack)

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MISCELLANEOUS PARTS

<u>Part #</u>	<u>Description</u>	<u>Symbol #</u>	<u>Freq Band</u>
DG0020	Fuse, 3A Chip,	F401	800 MHz
DG0040	Fuse, 4A Chip,	F401	VHf,UHf
FG0450	Rx BandPass Filter,	FL101	800 MHz
FG0460	Rx BandPass Filter,	FL102	800 MHz
FG1010	Rx BandPass Filter,	FL101	VHF
FG1150	Rx Bandpass Filter,	FL101	UHF-H
FG1180	Rx Bandpass Filter,	FL101	UHF-L
FG1020	Xtal Filter,115.650 MHz	FL103	All Freq Splits
FG0920	Ceramic Filter,450 KHz	FL104	All Freq Splits
FG0920	Ceramic Filter,450 KHz	FL105	800 MHz
FG0980	Ceramic Filter,450 KHz	FL105	VHF,UHF-H,UHF-L
FG0940	Ceramic Filter,450 KHz	FL106	All Freq Splits
FG0930	Ceramic Filter,450 KHz	FL107	All Freq Splits
UG9660	Power Amp Module	U201	800 MHz)
UG12230	Power Amp Module	U201	VHF
UG12420	Power Amp Module	U201	UHF-H
UG11860	Power Amp Module	U201	UHF-L, 4W (R1A version only)
UG13650	Power Amp Module	U201	UHF-L, 4W (R1B version only)
UR4770	Power Amp Module	U202	UHF-L,100mW
FG0441	TCXO,	Z305	UHF-H,UHF-L, 800 MHz,
FG1030	TCXO	Z305	VHF

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SERVICE ACCESSORIES



TQ3370 **120V**
TQ3370-220 **230V**
PC Programming Interface
Module



TQS3385
PC Programming Software



TQS3416
Key manager Software



TQ3392
RPM1132472/23
PC Programming Cable
(Used with TQ3370)



TQ3419
RPM1132472/35
PC Programming Cable
(Radio to PC RS232)

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SERVICE ACCESSORIES



TQ3418

RPM1132472/34

Keyloader Cable
(Used with IDA Keyloader)



TQ3415

RPM1132472/36

Keyloader Cable
(used with Key Manager TQS3416)



BKB191210/7

Battery Eliminator



TQ0609A

Audio Test Box



RPM1132472/24

Test Cable for TQ0609A
Audio Test Box

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SERVICE ACCESSORIES



12RTD (5MOB000415B)

Torque Driver

Range: 2 to 12 kgf-cm

Same as:

(1.73 to 10.42 in-lb)

(0.196 to 1.17 N-M)



B-W1.27

Hex Bit, 1.27mm

(For removing the knob set screw)



G3UK08079

Ring Nut Replacement Tool

(Used to change the ring nut without opening the radio case)



G4UK07314

Ring Nut with Thread Lock

(Used with power switch and volume controls)



T4WK03399

Special tool for volume
and channel switch
(Used for torquing ring nuts)



49-TX-06

Torx Bit, T6, Extended Length
(For removing rear cover screws)



337097G1B

Antenna Insert Tool

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SERVICE ACCESSORIES



G4UK07188-0

Antenna Bypass Connector
Tool for SXA1047464/1
Current Connector



T4WK03490

Special Tool for Channel
Knob Metal Base



RF Antenna Adapter

Furnishes a BNC-female connection to
the antenna jack on top of the radio for
power or sensitivity measurements, or
for connection to an external antenna.

19B801496G2

RF Antenna Adapter



RPM1132472/25

Universal UDC Cable



CA101396V1

Service Ribbon Cable
Board Extender



T4WK03594

Special tool for Removing
the Rear Plastic cover

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MAINTENANCE MANUALS

Operator's Manual	System/Scan Radio(VHF,UHF(4W),800 MHz)	MM101332V1
Operator's Manual	System/Scan (UHF-L (100mw)	MM101332V2
Operator's Manual	Handheld Controller	MM101813V1
Operator's Manual	Vehicular Charger	AE/LZT 123 3256/1
Operator's Manual	Enhanced Vehicular Charger	AE/LZT 123 3257/1
Operator's Manual	Universal Rapid Charger (BML16178 Series)	EN/LZT 123 5824/1
Operator's Manual	Universal Multi-Unit Rapid Charger (BML16179)	EN/LZT 123 5826/1
Operator's Manual	Compact Rapid Charger (BML16174/12)	EN/LZT 123 3435/1
Operator's Manual	Handheld Controller	MM101813V1
Installation Manual	Handheld Controller	MM101984V1

MM100HT (Order from Publications: Phone 434-455-9489)

VHF Maintenance Manuals Package (consists of the manuals listed below)

Maintenance Manual	<u>VHF, System & Scan, Radio</u>	MM101333V1
Maintenance Manual	Handheld Controller	MM101985V1
Maintenance Manual	Vehicular Charger	AE/LZB 119 3137/1
Maintenance Manual	Enhanced Vehicular Charger	AE/LZB 119 3138/1
Maintenance Manual	Universal Rapid Desk Charger (BML16178)	MM102809V1
Maintenance Manual	Universal Rapid Multi-Charger (BML16179)	MM102833V1
Maintenance Manual	Speaker Microphone (KRY1011617)	AE/LZB 119 1884
	Earphone (RLD 54107)	

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MAINTENANCE MANUALS

MM420HT (Order from Publications: Phone 434-455-9489)

UHF-H & UHF-L (4W) Maintenance Manuals Package

(consists of the manuals listed below)

Maintenance Manual	<u>UHF-H & UHF-L(4W),System & Scan Radio</u>	MM101334V1
Maintenance Manual	Handheld Controller	MM101985V1
Maintenance Manual	Vehicular Charger	AE/LZB 119 3137/1
Maintenance Manual	Enhanced Vehicular Charger	AE/LZB 119 3138/1
Maintenance Manual	Universal Rapid Desk Charger (BML16178)	MM102809V1
Maintenance Manual	Universal Rapid Multi-Charger (BML16179)	MM102833V1
Maintenance Manual	Speaker Microphone (KRY1011617)	AE/LZB 119 1884
	Earphone (RLD 54107)	

MM410HT (Order from Publications: Phone 434-455-9489)

UHF-L(100mw) Maintenance Manuals Package

(consists of the manuals listed below)

Maintenance Manual	<u>UHF-L(100mw) System & Scan Radio</u>	MM101334V2
Maintenance Manual	Handheld Controller	MM101985V1
Maintenance Manual	Vehicular Charger	AE/LZB 119 3137/1
Maintenance Manual	Enhanced Vehicular Charger	AE/LZB 119 3138/1
Maintenance Manual	Universal Rapid Desk Charger (BML16178)	MM102809V1
Maintenance manual	Universal Rapid Multi-Charger (BML16179)	MM102833V1
Maintenance Manual	Speaker Microphone (KRY1011617)	AE/LZB 119 1884
	Earphone (RLD 54107)	

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MAINTENANCE MANUALS

MM800HT (Order from Publications: 434-455-9489)

800 MHz Maintenance Manual Package

(consists of the manuals listed below)

Maintenance Manual	<u>System & Scan,800 MHz, Radio</u>	MM101335V1
Maintenance Manual	Handheld Controller	MM101985V1
Maintenance Manual	Vehicular Charger	AE/LZB 119 3137/1
Maintenance Manual	Enhanced Vehicular Charger	AE/LZB 119 3138/1
Maintenance Manual	Universal Rapid Desk Charger (BML16178)	MM102809V1
Maintenance Manual	Universal Rapid Multi-Charger (BML16179)	MM102833V1
Maintenance Manual	Speaker Microphone (KRY1011617)	AE/LZB 119 1884
	Earphone (RLD 54107)	