

EICTA-IRIS Repair Coding System

Rev. 6.6 (2007 / 01)

Example of use

FLAG	SYMPTOM CODE	PART NUMBER	REFERENCE NUMBER	SECTION or NTF CODE	PCB	DEFECT CODE	REPAIR CODE	QTY

FLAG : INDICATES THE ONE MAJOR SYMPTOM / PART COMBINATION BY "1".

(*1)

CAUTION

THE "X" EXTENDED SYMPTOM CODES (*-**X) SHOULD ONLY BE USED TO INDICATE THAT A SUITABLE SYMPTOM DESCRIPTION IS NOT AVAILABLE IN THE CONCERNED SYMPTOM GROUP.

NOTE

IN CASE OF A NON-TECHNICAL FAULT, THE NON-TECHNICAL FAULT CODE MUST BE ENTERED IN THE LOCATION FORESEEN FOR THE SECTION / NTF CODE.

- 1** CONSTANTLY
- 2** INTERMITTENTLY
- 3** AFTER A WHILE
- 4** IN A HOT ENVIRONMENT
- 5** IN A COLD ENVIRONMENT
- 6** WHEN SWITCHING
- 7** UNDER VIBRATION
- 8** IN A DAMP / WET / RAINY / SNOWY ENVIRONMENT
- 9** IN A DRY ENVIRONMENT
- A** DUE TO PHYSICAL DAMAGE
- B** AFTER LIGHTNING STRIKE
- C** ONLY CERTAIN STATION(S) / SOFTWARE / MODE / CHANNELS / FREQUENCY BAND / NETWORK(S)
- D** ONLY ON CERTAIN STANDARDS OR SYSTEMS
- E** ONLY ON ONE CHANNEL
- F** ONLY WITH CERTAIN INPUT(S)

- G** ONLY ON CERTAIN OUTPUT(S)
- H** IN STANDBY / IDLE / OFF MODE
- J** AT EDIT POINT
- K** WHEN INTERCONNECTED, USED WITH SPECIFIC EXTERNAL EQUIPMENT, ADAPTER KIT
- L** LIQUID CONTAMINATION
- M** FOR A SHORT WHILE AFTER SWITCH-ON
- N** AFTER MAKING A COPY
- O** UNDER STRESSED CONDITIONS / HIGH LOAD
- P** AT SWITCH-OFF
- Q** ONLY WHILE SENDING / WRITING
- R** ONLY WHILE RECEIVING / READING
- S** ONLY WITH CERTAIN MEDIA
- T** ONLY WHEN ACCESSING A SPECIFIC AREA OF THE MEDIUM
- U** ONLY AT CERTAIN GEOGRAPHICAL LOCATION(S)
- X** EXTENDED IRIS CODE LINE (ADVANCED)

110 POWER PROBLEM OR NOT OPERATING

- 111 NO POWER
 - 112 NO POWER WHEN USING AC ADAPTER
 - 113 NO POWER WHEN USING DRY BATTERIES
 - 114 NO POWER WHEN USING RECHARGEABLE BATTERIES
 - 115 NO POWER FROM SOLAR CELL
 - 116 NO POWER WHEN USING A CAR BATTERY
 - 117 SHORT OPERATION TIME / SHORT BATTERY LIFE
 - 118 POWER-OFF FUNCTION NOT WORKING
 - 119 NO SWITCH-ON FROM STANDBY
 - 11A POWERS UP BUT NO OPERATION
 - 11B CYCLIC POWER ON / OFF
 - 11C BLOWING EXTERNAL (MAINS) FUSE
 - 11D SET SWITCHES OFF BY ITSELF
 - 11E BACKUP BATTERY PROBLEM
 - 11F NOT OPERATING
 - 11G NO AUTOMATIC SWITCH ON / OFF
 - 11H PROTECTION SWITCH / FUSE IN SET TRIGGERS
 - 11J RECHARGEABLE BATTERY NOT RECOGNIZED
 - 11K SET START-UP TOO SLOW
 - 11X OTHER POWER PROBLEM
-

120 CHARGING PROBLEM

121 NO BATTERY CHARGING

122 INCOMPLETE BATTERY CHARGE

123 CHARGING TIME TOO LONG

12X OTHER CHARGING PROBLEM

130 DISPLAY FUNCTION PROBLEM

- 131 NO OR FAULTY DISPLAY
 - 132 FAULTY LAMP / LED OPERATION
 - 133 FAULTY LEVEL METER OPERATION
 - 134 NO OR FAULTY ON-SCREEN DISPLAY OPERATION
 - 135 ELECTRONIC TUNING DISPLAY FAULT
 - 136 MECHANICAL TUNING DISPLAY FAULT
 - 137 FAULTY TIME CODE DISPLAY
 - 138 FAULTY ALARM / ERROR DISPLAY
 - 139 DISPLAY DIM / TOO DARK / PARTIAL / FLICKERING / BAD COLOUR ETC.
 - 13A UNUSUAL OR INCORRECT MESSAGE IN DISPLAY
 - 13B NO, PARTIAL, OR UNEVEN BACKLIGHT
 - 13C BEEPS / NO DISPLAY
 - 13D WARNING LIGHT DOES NOT WORK
 - 13E WARNING LIGHT LIGHTS UP
 - 13F MISSING SEGMENT(S)
 - 13X OTHER DISPLAY FUNCTION PROBLEM
-

140 ABNORMAL NOISE

- 141 CRT DISCHARGING NOISE
 - 142 EHT DISCHARGING NOISE
 - 143 NOISY CABINET / CRACKING TRAYS
 - 144 NOISY TRANSFORMER / HUMMING
 - 145 NOISY COMPONENT(S)
 - 146 RATTLE
 - 147 CLICKING
 - 148 CLOCK NOISE
 - 149 CRACKING
 - 14A WHISTLING
 - 14X OTHER ABNORMAL NOISE
-

150 REMOTE CONTROL PROBLEM

151 NO REMOTE CONTROL OPERATION

152 INCORRECT REMOTE CONTROL OPERATION

153 REMOTE CONTROL PROGRAMMING / LEARNING MODE PROBLEM

154 POOR REMOTE CONTROL SENSITIVITY

15X OTHER REMOTE CONTROL PROBLEM

160 PHYSICAL DAMAGE

- 161 DAMAGED / DEFORMED CABINET / PANEL / GLASS
 - 162 DAMAGED HANDLE / CLIP
 - 163 DAMAGED CONTROL KNOB(S) / BUTTON(S) / KEYPAD
 - 164 DAMAGED DOOR / COVER
 - 165 DAMAGED SEAL
 - 166 DAMAGED PLUG / SOCKET / TERMINAL / CONNECTOR / CARD HOLDER
 - 167 DAMAGED LENS
 - 168 DAMAGED CARTRIDGE OR STYLUS
 - 169 DAMAGED ANTENNA
 - 16A DAMAGED CRT / VIEWFINDER / LCD DISPLAY
 - 16B MISSING COMPONENT(S) OR ORNAMENTAL PARTS
 - 16C PRINTED MARKINGS ERASED / PEELED OFF
 - 16D SET BURNING / EMITS SMOKE
 - 16E EXTERNAL SURFACE DAMAGE
(BUBBLING / PEELING / RUSTING / SCRATCHED / SHARP EDGES)
 - 16F SMELL
 - 16G WEAK / DAMAGED STAND
 - 16H DAMAGED SPEAKER
 - 16J SET GETS VERY HOT / PARTS MELTING
 - 16K FOREIGN SUBSTANCE ON / IN UNIT
 - 16L BURNING MARKS
 - 16M INTERNAL SURFACE DAMAGE
(BUBBLING / PEELING / RUSTING / SCRATCHED)
 - 16N DAMAGED POWER CABLE
 - 16P DAMAGED ACCESSORY
 - 16R DISCOLOURATION
 - 16X OTHER PHYSICAL DAMAGE
-

170 GENERAL FUNCTION PROBLEM

- 171 FAULTY CLOCK FUNCTION
 - 172 FAULTY SLEEP FUNCTION
 - 173 FAULTY TIMER PROGRAMMING
 - 174 FAULTY TIMER OPERATION
 - 175 PROGRAMMING / USER ADJUSTMENT PROBLEM
 - 176 FAULTY RECORD MUTE OPERATION
 - 177 FAULTY PROGRAMMED PLAYBACK OPERATION
 - 178 FAULTY MEMORY FUNCTION
 - 179 FAULTY INPUT SWITCHING
 - 17A FAULTY OUTPUT SWITCHING
 - 17B ELECTRIC SHOCK / STATIC DISCHARGE
 - 17C FAULTY SEARCH FUNCTION (INDEX / VIEW / TITLE / CHAPTER / TRACK ...)
 - 17D WRONG LANGUAGE / CHARACTER SET
 - 17E ERROR CODE APPEARS IN DISPLAY
 - 17F SWITCH NOT OPERATING
 - 17G PEDAL NOT OPERATING
 - 17H FAULTY STANDBY MODE
 - 17J FAULTY HIBERNATION MODE
 - 17K NO AUDIBLE WARNING SIGNAL
 - 17L FAULTY OPERATION OF PARENTAL LOCK / KEYLOCK FUNCTION
 - 17M FAULTY MODE SWITCHING
 - 17N MENU FUNCTION PROBLEM
 - 17P FAULTY USER CONTROL FUNCTION
 - 17Q FAULTY FLASHLIGHT / LAMP OPERATION
 - 17R REGION-CODE / SECURITY-RELATED PROBLEM (DVD AMONGST OTHERS)
 - 17X OTHER GENERAL FUNCTION PROBLEM
-

180 SPECIAL REQUIREMENTS

- 181 TEST AND CHECK
 - 182 GENERAL OVERHAUL
 - 183 SYSTEM / FREQUENCY CONVERSION
 - 184 INITIAL SETUP / INSTALLATION REQUESTED
 - 185 MODIFICATION / CIRCUIT / INSTALLATION CHANGE
 - 186 WRONG PRODUCT IN CARTON
 - 187 ACCESSORY MISSING
 - 188 UNABLE TO CONNECT PARTS / TO ASSEMBLE
 - 189 WRONG COLOUR
 - 18B BATTERY MOUNTING PROBLEM
 - 18C SOFTWARE / FIRMWARE UPGRADE REQUESTED
 - 18D SET CAUSES MALFUNCTIONS IN OTHER SETS
 - 18E CALIBRATION / ALIGNMENT REQUESTED
 - 18X OTHER SPECIAL REQUIREMENTS
 - 18Z SYMPTOM NOT AVAILABLE
-

210 NO RECEPTION OR CONNECTION

211 NO AM RECEPTION

212 NO FM RECEPTION

213 NO SW RECEPTION

214 NO VHF RECEPTION

215 NO UHF RECEPTION

216 NO BS RECEPTION

217 NO CS RECEPTION

218 NO HDTV RECEPTION

219 NO GPS / QPS RECEPTION

21A NO RECEPTION OF DIGITAL BROADCASTING

21B NO IR RECEPTION

21C NO DIAL TONE

21D NO MODEM / TELEPHONE / FAX CONNECTION

21E MODEM / TELEPHONE NOT ANSWERING / NO CARRIER

21F NO NETWORK CONNECTION / NETWORK INITIALIZATION FAILS

21X OTHER 'NO RECEPTION' PROBLEM

220 POOR RECEPTION OR CONNECTION

221 POOR AM RECEPTION

222 POOR FM RECEPTION

223 POOR SW RECEPTION

224 POOR VHF RECEPTION

225 POOR UHF RECEPTION

226 POOR BS RECEPTION

227 POOR CS RECEPTION

228 POOR HDTV RECEPTION

229 POOR GPS / QPS RECEPTION

22A POOR RECEPTION OF DIGITAL BROADCASTING

22B POOR IR RECEPTION

22X OTHER 'POOR RECEPTION' PROBLEM

230 TRANSMISSION / CONNECTION PROBLEM

- 231 NO TRANSMISSION / CONNECTION
 - 232 POOR TRANSMISSION / CONNECTION
 - 233 TRANSMISSION LEVEL TOO HIGH
 - 234 NO TRANSMISSION BETWEEN BASE UNIT AND HANDSET
 - 235 POOR TRANSMISSION BETWEEN BASE UNIT AND HANDSET
 - 236 NO IR TRANSMISSION
 - 237 ONE-SIDED CONNECTION
 - 238 MODEM / TELEPHONE HANGS UP IMMEDIATELY ONCE CONNECTED
 - 239 MODEM / TELEPHONE DROPS LINE DURING CONNECTION
 - 23A NO OR FAULTY TRANSMISSION CONFIRMATION / LOGGING
 - 23X OTHER TRANSMISSION / CONNECTION PROBLEM
-

240 NOISY RECEPTION / TRANSMISSION

241 LINE NOISE

242 OSCILLATION

243 INTERSTATION INTERFERENCE

24X OTHER NOISY RECEPTION / TRANSMISSION PROBLEM

250 UNSTABLE RECEPTION / TRANSMISSION

251 TUNING DRIFT

252 FADING

253 INTERMITTENT LINE / LINE BREAKING OFF

254 NO OR UNSTABLE CONNECTION COMBINED
WITH "WEAK SIGNAL STRENGTH" INDICATION

25X OTHER UNSTABLE RECEPTION / TRANSMISSION PROBLEM

260 TUNING / NAVIGATION PROBLEM

261 MANUAL TUNING PROBLEM

262 AUTOMATIC TUNING PROBLEM

263 INCORRECT TUNING

264 TUNING MEMORY / PHONEBOOK / ADDRESS BOOK PROBLEM

265 VEHICLE POSITION DIFFERENT FROM MAP DATA

266 WRONG MAP DATA

267 MAP NOT DISPLAYED

268 VEHICLE POSITION DOES NOT MOVE OR MOVES WHEN IT SHOULD NOT

269 CANNOT SEARCH BY ENTERED CRITERIA

26A PROBLEM TO CALCULATE DESIRED ROUTE

26B AUTO REROUTE DOES NOT WORK

26C NO OR TOO SLOW TRAFFIC INFO DISPLAY

26X OTHER TUNING / NAVIGATION PROBLEM

270 SPECIAL COMMUNICATION PROBLEM

- 271 FAULTY DIALLING
 - 272 FAULTY CHANNEL SELECTION
 - 273 FAULTY AUTO-ANSWER OPERATION
 - 274 FAULTY MESSAGE READ-OUT FUNCTION
 - 275 FAULTY AUTODIAL / REDIAL MEMORY
 - 276 FAULTY SPEECH PROCESSING / NO VOICE RECOGNITION
 - 277 NO RINGING TONE / VIBRATION
 - 278 LOUD / WEAK RINGING TONE
 - 279 MODEM / TELEPHONE STUCK OFF HOOK
 - 27A FAX DOES NOT WORK PROPERLY
 - 27B MODEM CAUSES PROBLEM WITH PHONE
 - 27C NO MODEM / TELEPHONE DIAL TONE
 - 27D CALL TRANSFER PROBLEM
 - 27E REPORT / JOURNAL FUNCTION PROBLEM
 - 27X OTHER SPECIAL COMMUNICATION PROBLEM
-

280 SPECIAL RECEPTION PROBLEM

- 281 FAULTY STEREO RECEPTION
 - 282 FAULTY MAIN CHANNEL (A) FUNCTION
 - 283 FAULTY SUB-CHANNEL (B) FUNCTION
 - 284 FAULTY SSB RECEPTION
 - 285 FAULTY RDS / VPS / PDC / XDS OPERATION
 - 286 FAULTY TELETEXT / CLOSE CAPTION / EPG RECEPTION
 - 287 FAULTY SATELLITE / RTTY RECEPTION
 - 288 FAULTY FAX OPERATION
 - 289 MODEM NOT RECOGNIZED BY SYSTEM
 - 28A FAULTY CALL CHARGE / CALL TIME FUNCTION
 - 28B FAULTY HANDS-FREE OPERATION
 - 28C SET LOCKED
 - 28D FAULTY ANTENNA CONTROL
 - 28X OTHER SPECIAL RECEPTION PROBLEM
-

310 NO PICTURE

- 311 NO PICTURE IN E TO E MODE
 - 312 NO PICTURE IN PLAYBACK MODE
 - 313 NO PICTURE IN VIEWFINDER
 - 314 NO PICTURE / ONLY RASTER
 - 315 NO RASTER / BLACK PICTURE
 - 316 ONLY HORIZONTAL LINE
 - 317 ONLY VERTICAL LINE
 - 318 NO PICTURE IN LCD
 - 319 NO 2ND (OR HIGHER) MONITOR DISPLAY
 - 31X OTHER 'NO PICTURE' PROBLEM
-

320 PICTURE LEVEL PROBLEM

- 321 PICTURE TOO DARK
 - 322 PICTURE TOO BRIGHT
 - 323 CONTRAST TOO LOW
 - 324 CONTRAST TOO HIGH
 - 325 SATURATED WHITE OR BLACK LEVEL
 - 326 SHADING ON PICTURE
 - 327 ONLY PARTIAL PICTURE
 - 328 SOLARIZATION EFFECT ON PICTURE
 - 32X OTHER PICTURE LEVEL PROBLEM
-

330 PICTURE QUALITY PROBLEM

- 331 POOR PICTURE RESOLUTION
 - 332 POOR FOCUS
 - 333 RINGING ON PICTURE
 - 334 EXCESSIVE SMEAR / LAG
 - 335 POOR LINEARITY OR GEOMETRY
 - 336 PICTURE SIZE INCORRECT
 - 337 INCORRECT CENTRING OF PICTURE
 - 338 PICTURE SLANTED
 - 339 V-SIZE INCORRECT
 - 33A H-SIZE INCORRECT
 - 33X OTHER PICTURE QUALITY PROBLEM
-

340 PICTURE NOISE

- 341 SNOWY PICTURE
 - 342 DOT NOISE OR DROPOUT ON PICTURE
 - 343 NOISE BARS ON PICTURE
 - 344 BLANKING LINES ON PICTURE
 - 345 BEATING ON PICTURE
 - 346 GHOSTING ON PICTURE
 - 347 VCR HEAD SWITCHING NOISE ON PICTURE
 - 348 OVERMODULATION NOISE
 - 349 MOIRÉ
 - 34A MOSAIC NOISE
 - 34B SCRAMBLED PICTURE
 - 34X OTHER PICTURE NOISE PROBLEM
-

350 UNSTABLE PICTURE

351 SYNC PROBLEM

352 PICTURE PUMPING

353 PICTURE JITTER

354 PICTURE SHAKING (HORIZONTAL OR VERTICAL)

355 FLICKERING PICTURE

356 FLASHING PICTURE

357 CYCLIC PICTURE MUTING

358 HEAD IMPACT ERROR CAUSING UNSTABLE PICTURE

359 VCR SKEW / H-SHIFT ERROR

35A FROZEN PICTURE

35B JUMPING / REPEATING PICTURE

35X OTHER 'UNSTABLE PICTURE' PROBLEM

360 POOR PICTURE RECORDING

- 361 NO PICTURE RECORDING
 - 362 NO ERASURE PROTECTION FOR VIDEO
 - 363 PREVIOUS VIDEO RECORDING NOT BEING ERASED
 - 364 UNWANTED ERASURE OF PICTURE
 - 365 NO CAMERA RECORDING
 - 366 ONLY ONE FIELD PER FRAME BEING RECORDED
 - 367 RECORDS ONLY A FEW PICTURES
 - 36X OTHER PICTURE RECORDING PROBLEM
-

370 SPECIAL PICTURE FUNCTION PROBLEM

- 371 EDITING PROBLEM
 - 372 FAULTY FADING / WIPER OPERATION
 - 373 FAULTY NEGATIVE / POSITIVE SWITCHING FUNCTION
 - 374 FAULTY SUPERIMPOSE / TELOP OPERATION
 - 375 FAULTY PICTURE IN PICTURE / DIGITAL PICTURE OPERATION
 - 376 FAULTY PICTURE TRANSMISSION
 - 377 FAULTY DIGITAL SHUTTER FUNCTION
 - 378 FAULTY GENLOCK FUNCTION
 - 379 FAULTY FLASH / STROBE FUNCTION
 - 37A FAULTY DIGITAL PICTURE / ZOOMING FUNCTION
 - 37B FAULTY AUTO-EDIT FUNCTION
 - 37C FAULTY PICTURE STABILIZER FUNCTION
 - 37D FAULTY PICTURE CAPTURE FUNCTION
 - 37E FAULTY SUBTITLING FUNCTION
 - 37F FAULTY VARIABLE SPEED PLAYBACK
 - 37G FAULTY VIEW / MULTI-ANGLE SWITCHING
 - 37H FAULTY ASPECT RATIO SWITCHING
 - 37J THUMBNAIL OR INDEX PICTURE PROBLEM
 - 37K NO BLANKING SCREEN
 - 37L FAULTY 'LOW LIGHT' FUNCTION
 - 37X OTHER SPECIAL PICTURE FUNCTION PROBLEM
-

380 PICTURE DISPLAY / PICKUP PROBLEM

- 381 BURN MARK ON DISPLAY / PICKUP
 - 382 SCRATCH ON DISPLAY / PICKUP
 - 383 DUST / DIRT ON DISPLAY / PICKUP
 - 384 PHOSPHOR / PIXEL MISSING ON DISPLAY / PICKUP
 - 385 BRIGHT, DARK, OR FLASHING PIXELS
 - 386 LINES ACROSS / DOWN IMAGE
 - 387 OUT OF SPECS PIXEL DEFAULTS
 - 388 BACKGROUND BURNT IN
 - 389 ONE OR MORE BRIGHT OR DARK LINES
 - 38A ABNORMAL LIGHT EMISSION OF THE DISPLAY
 - 38X OTHER PICTURE DISPLAY / PICKUP PROBLEM
-

410 NO COLOUR

411 NO COLOUR IN E TO E MODE

412 NO COLOUR IN PLAYBACK MODE

413 NO COLOUR IN VIEWFINDER

414 NO COLOUR IN PART OF PICTURE

41X OTHER 'NO COLOUR' PROBLEM

420 COLOUR LEVEL PROBLEM

421 WEAK COLOUR

422 EXCESSIVE COLOUR

42X OTHER COLOUR LEVEL PROBLEM

430 POOR COLOUR QUALITY

- 431 SOME OR ALL COLOURS MISSING
 - 432 POOR WHITE BALANCE
 - 433 HUE PROBLEM
 - 434 PURITY ERROR
 - 435 LANDING ERROR / WHITE UNIFORMITY
 - 436 CONVERGENCE ERROR
 - 437 REGISTRATION ERROR
 - 438 PITCH MOIRÉ / RAINBOW PATTERN
 - 439 COLOUR SHIFT
 - 43X OTHER COLOUR QUALITY PROBLEM
-

440 NOISY COLOUR

441 COLOUR NOISE ON A BLACK & WHITE PICTURE

442 COLOUR STREAKING

443 COLOUR BARS ON PICTURE

44X OTHER COLOUR NOISE PROBLEM

450 UNSTABLE COLOUR

451 COLOUR FLASHING

452 HUE CONSTANTLY CHANGING

453 FLICKERING COLOUR

454 COLOUR NOT LOCKED

45X OTHER UNSTABLE COLOUR PROBLEM

460 POOR COLOUR RECORDING

461 NO COLOUR RECORDING

462 NOISY COLOUR RECORDING

46X OTHER COLOUR RECORDING PROBLEM

470 SPECIAL COLOUR FUNCTION PROBLEM

471 FAULTY AUTOMATIC WHITE BALANCE

472 FAULTY COLOUR EFFECTS FUNCTION

47X OTHER SPECIAL COLOUR FUNCTION PROBLEM

510 NO AUDIO

- 511 NO SOUND IN E TO E MODE
 - 512 NO PLAYBACK OF OUTGOING MESSAGE(S) (OGM)
 - 513 NO PLAYBACK OF INCOMING MESSAGE(S) (ICM)
 - 514 NO AUDIO PLAYBACK
 - 515 NO SOUND FROM HANDSET
 - 516 NO SOUND FROM SPEAKER
 - 517 NO SOUND FROM EARPHONE / HEADPHONE
 - 518 NO MICROPHONE SOUND
 - 519 NO SOUND FROM DIGITAL OUTPUT
 - 51X OTHER 'NO AUDIO' PROBLEM
-

520 AUDIO LEVEL PROBLEM

521 LOW AUDIO LEVEL

522 EXCESSIVE AUDIO LEVEL

523 BALANCE PROBLEM

524 FADER PROBLEM

525 AUDIO LEVEL REMAINING / NO MUTING

52X OTHER AUDIO LEVEL PROBLEM

530 AUDIO QUALITY

531 POOR FREQUENCY RESPONSE

532 DISTORTED AUDIO

533 NO OR POOR TREBLE

534 NO OR POOR BASS

535 EARPHONE / HEADPHONE AUDIO POOR

536 AUDIO DELAY / LIP-SYNC PROBLEM

53X OTHER AUDIO QUALITY PROBLEM

540 NOISY AUDIO

541 HUM

542 HISS

543 CROSSTALK

544 STATIC / POP OR CLICK NOISE

545 BUZZ, NOISE FROM PICTURE DISPLAY OR DEFLECTION

546 SCRATCHING NOISE

547 IGNITION NOISE

548 WHISTLING / MULTIPATH NOISE

549 DATA / DIGITAL NOISE

54X OTHER AUDIO NOISE PROBLEM

550 UNSTABLE AUDIO

551 JUMPING OR REPEATING AUDIO

552 AUDIO PUMPING OR BREATHING

553 AUDIO DROPOUTS

554 CYCLIC AUDIO MUTING

555 WOW AND FLUTTER

556 HOWLING / ACOUSTIC FEEDBACK

557 ECHO IN SOUND

55X OTHER UNSTABLE AUDIO PROBLEM

560 POOR AUDIO RECORDING

561 AUDIO NOT BEING RECORDED

562 NO ERASURE PROTECTION FOR AUDIO

563 PREVIOUS AUDIO RECORDING NOT BEING ERASED

564 UNWANTED ERASURE OF AUDIO

565 MESSAGE NOT BEING RECORDED

566 DISTORTED AUDIO RECORDING

56X OTHER AUDIO RECORDING PROBLEM

570 POOR SPECIAL AUDIO FUNCTION

- 571 FAULTY FADE OPERATION
 - 572 FAULTY ECHO OPERATION
 - 573 FAULTY MIXING OPERATION
 - 574 FAULTY REPEAT MODE OPERATION
 - 575 FAULTY AUDIO PROCESSING
 - 576 FAULTY SYNC RECORDING OPERATION
 - 577 FAULTY DBB / DOL OPERATION
 - 578 FAULTY NOISE REDUCTION OPERATION
 - 579 FAULTY AUDIO DUB FUNCTION
 - 57A FAULTY TITLE PROGRAMMING
 - 57B FAULTY MICROPHONE CONTROL
 - 57C FAULTY PITCH CONTROL
 - 57X OTHER SPECIAL AUDIO FUNCTION PROBLEM
-

580 STEREO / MULTI-MODE OPERATION

581 NO STEREO OPERATION

582 POOR CHANNEL SEPARATION

583 DIFFERENCE IN PHASE BETWEEN CHANNELS

584 PROBLEM WITH SURROUND SOUND MODE

585 PROBLEM WITH PCM AUDIO MODE

586 PROBLEM WITH COMPRESSED DIGITAL AUDIO DATA

58X OTHER STEREO / MULTI-MODE PROBLEM

610 NO MECHANICAL OPERATION

611 NO ROTATION OF MOTOR / DISC / SWIVEL

612 NO FORWARD OPERATION

613 NO REVERSE OPERATION

614 NO FAST FORWARD OR REWIND FUNCTION

615 NO LOADING

616 NO UNLOADING OR EJECTING

617 NO AUTO SHUT-OFF OPERATION

618 TONEARM DOES NOT MOVE

619 DISC NOT BEING EJECTED

61A MAGAZINE OR MODULE LOADING / UNLOADING

61B CONTROL / SWITCH NOT WORKING

61C OPEN / CLOSE PROBLEM OF MONITOR PANEL OR OPERATION PANEL

61X OTHER 'NO MECHANICAL OPERATION' PROBLEM

620 IRREGULAR MECHANICAL OPERATION

621 IRREGULAR ROTATION

622 IRREGULAR FORWARD MODE

623 IRREGULAR REVERSE OPERATION

624 IRREGULAR FAST FORWARD OR REWIND FUNCTION

625 IRREGULAR LOADING OF MEDIA

626 IRREGULAR UNLOADING OR EJECTING

627 IRREGULAR AUTO SHUT-OFF OPERATION

628 IRREGULAR TONEARM MOVEMENT

629 IRREGULAR EJECTION OF DISC

62A IRREGULAR DIRECTION CHANGE

62B FAULTY DISC CHANGE OPERATION

62X OTHER 'IRREGULAR MECHANICAL OPERATION' PROBLEM

630 SPEED PROBLEM

631 SPEED TOO FAST

632 SPEED TOO SLOW

633 SPEED UNADJUSTABLE

63X OTHER SPEED PROBLEM

640 MECHANICAL NOISE

- 641 ROTATION NOISE / DRUM NOISE
 - 642 MOTOR NOISE
 - 643 WIND / AIR NOISE
 - 644 SQUEALING
 - 645 FAN NOISE
 - 646 DISC SCRAPING
 - 647 NOISY TAPE LOADING
 - 648 GEAR NOISE
 - 649 CONTROL OR SWITCH NOISY
 - 64A GRINDING
 - 64B RUMBLING
 - 64C VIBRATION NOISE
 - 64D NOISE FROM LENS MECHANISM
 - 64X OTHER MECHANICAL NOISE PROBLEM
-

650 MECHANICAL INSTABILITY

651 UNEVEN FEET

652 FAULTY HINGE

653 VIBRATING / JUMPING

654 PARTS LOOSE

655 DAMAGED WHEEL(S)

656 POOR HANDSET / CRADLE POSITION

65X OTHER MECHANICAL INSTABILITY PROBLEM

660 DAMAGE TO MEDIA

- 661 TAPE GETS SCRATCHED
 - 662 DISC GETS SCRATCHED
 - 663 TAPE GETS CHEWED / WRINKLED
 - 664 TAPE JAMMED OR BROKEN
 - 665 TAPE GETS CURLED
 - 666 SLACK TAPE
 - 667 TAPE STICKING
 - 66X OTHER SOFTWARE DAMAGE PROBLEM
-

670 MECHANICAL OPERATION PROBLEM

671 FAULTY START / STOP / BRAKING OPERATION

672 FAULTY PAUSE OPERATION

673 FAULTY AUTOMATIC PROGRAM SEARCH

674 FAULTY CUE / REVIEW MODE

675 FAULTY SLOW MOTION OPERATION

676 FAULTY HIGH-SPEED SCANNING MODE

677 FAULTY SPEED COPY FUNCTION

678 FAULTY REPEAT OPERATION

679 FAULTY RECORD REVIEW MODE

67A FAULTY AMS OPERATION

67B AUTO-REVERSE MALFUNCTION

67C FAULTY END DETECTION

67D FAULTY DISC SIDE (A-B SELECT) SWITCHING

67X OTHER MECHANICAL OPERATION PROBLEM

680 LENS PROBLEM

681 FOCUS PROBLEM

682 ZOOM PROBLEM

683 IRIS PROBLEM

684 MACRO PROBLEM

685 FOREIGN SUBSTANCE / DUST INSIDE LENS

68X OTHER LENS PROBLEM

710 NO DATA PROCESSING OPERATION

711 NO INITIAL SCREEN

712 SYSTEM DOES NOT RESET

713 SYSTEM DOES NOT BOOT UP

714 NO OPERATION FROM PLUG-IN MODULE / PERIPHERAL

715 NO KEYBOARD OPERATION

716 NO OPERATION FROM OTHER INPUT / OUTPUT DEVICE

717 NO DATA STORAGE OPERATION

718 NO DATA COMMUNICATION

719 ERROR MESSAGE DISPLAY

71A HDD BOOT FAILURE

71B FDD BOOT FAILURE

71C CD/DVD DISC BOOT FAILURE

71X OTHER 'NO DATA PROCESSING' PROBLEM

720 FAULTY DATA PROCESSING OPERATION

- 721 INCORRECT DATA
 - 722 OPERATING SYSTEM RESET WHILE BEING USED
 - 723 OPERATING SYSTEM LOCKS OUT / CRASHES / HANGS
 - 724 FAULTY OPERATION OF PLUG-IN MODULE, MEMORY CARD, ETC.
 - 725 FAULTY KEYBOARD OPERATION
 - 726 FAULTY OPERATION OF OTHER INPUT / OUTPUT DEVICE
 - 727 FAULTY DATA STORAGE OPERATION
 - 728 FAULTY DATA COMMUNICATION
 - 729 MEMORY ERROR
 - 72A REQUIRES 'SETUP' AT BOOTING
 - 72B OPERATING SYSTEM BOOT-UP ONLY IN SAFE MODE
 - 72C OPERATING SYSTEM START-UP SLOW
 - 72D OPERATING SYSTEM CANNOT BE INSTALLED
 - 72X OTHER 'FAULTY DATA PROCESSING' PROBLEM
-

730 DATA DISPLAY PROBLEM

- 731 INCORRECT CHARACTER DISPLAY
 - 732 MISSING DISPLAY CHARACTERS
 - 733 FAULTY GRAPHIC DISPLAY
 - 734 FAULTY SWITCHING BETWEEN GRAPHIC / CHARACTER MODE
 - 735 FAULTY PROMPT / CURSOR OPERATION
 - 736 DATA DISPLAY COLOUR INCORRECT
 - 737 NO PAGING OR SCROLL MODE
 - 738 DOES NOT DISPLAY MEDIA TITLES
 - 739 INCORRECT VALUES SHOWN ON DISPLAY
 - 73X OTHER DATA DISPLAY PROBLEM
-

740 KEYBOARD / POINTING DEVICE / TOUCHSCREEN

741 MOUSE / TRACKBALL / TRACKPAD / TOUCHSCREEN NOT WORKING

742 KEYBOARD / TOUCHSCREEN LOCKS UP

743 POINTING DEVICE LOCKS UP

744 STICKY / HARD TO PRESS KEY(S) / TOUCHSCREEN

745 INOPERATIVE KEY(S)

746 POINTING DEVICE / TOUCHSCREEN NOT TRACKING PROPERLY

747 POINTING DEVICE / TOUCHSCREEN JITTERY

748 LEFT OR RIGHT CLICK BUTTON INOPERATIONAL

749 TRACKPAD / TOUCHSCREEN SURFACE DAMAGED

74A KEYBOARD KEY(S) DAMAGED

74B NO KEYPAD TONE

74X OTHER KEYBOARD / POINTING DEVICE / TOUCHSCREEN PROBLEM

750 PERIPHERAL PROBLEM (NON-STORAGE)

- 751 PERIPHERAL DOES NOT INITIALIZE
 - 752 COMMUNICATION FAILURE WITH PERIPHERAL
 - 753 INTERNAL PERIPHERALS FAILURE
 - 754 EXTERNAL PERIPHERALS FAILURE
 - 755 NETWORK CARD ERROR
 - 756 PERIPHERAL FAILS SELF TEST
 - 75X OTHER PERIPHERAL PROBLEM
-

760 DATA STORAGE PROBLEM

761 FORMATTING PROBLEM

762 DATA ON STORAGE MEDIUM BEING LOST

763 FRAME MEMORY PROBLEM

764 READ / WRITE ERRORS

765 HARD OR OPTICAL DISC DRIVE PROBLEM

766 FLOPPY DRIVE PROBLEM

767 CD / DVD-ROM DRIVE PROBLEM

768 TAPE PROBLEM

769 MEDIUM NOT RECOGNIZED / CANNOT ACCESS

76A DISCS EXCHANGE PROBLEM

76B READ / WRITE OPERATION VERY SLOW

76C MEMORY CARD / SIM CARD STORAGE PROBLEM

76X OTHER DATA READ / WRITE PROBLEM

770 SPECIAL DATA PROCESSING FUNCTION PROBLEM

771 FAULTY SELF-DIAGNOSTIC MODE

772 FAULTY WORD PROCESSING FUNCTION

773 FAULTY GRAPHIC EDIT FUNCTION

774 PROGRAM / APPLICATION CANNOT BE INSTALLED

775 PRELOADED PROGRAM CANNOT BE STARTED UP

776 NOT PRELOADED PROGRAM CANNOT BE STARTED UP

777 VIRUS ALARM

778 MESSAGING FUNCTION PROBLEM

779 APPLICATION START-UP CANNOT FINALIZE

77A APPLICATION START-UP SLOW

77B SOFTWARE RECOVERY PROBLEM

77X OTHER 'SPECIAL DATA FUNCTION' PROBLEM

780 INTERFACE PROBLEM

781 USB INTERFACE PROBLEM

782 PARALLEL INTERFACE PROBLEM

783 SCSI INTERFACE PROBLEM

784 SERIAL INTERFACE PROBLEM

785 INCOMPATIBLE WITH OTHER SYSTEMS

786 AUDIO / VIDEO INTERFACE PROBLEM

787 i.LINK / FIREWIRE / IEEE1394 INTERFACE PROBLEM

788 WIRELESS LAN / BLUETOOTH / INFRARED / HOTSYNC INTERFACE PROBLEM

789 DOCKING STATION / PORT REPLICATOR / EXTERNAL DEVICE PROBLEM

78X OTHER INTERFACE PROBLEM

810 NO PRINT / COPY / SCAN OPERATION

811 NOT PRINTING

812 NO COMMUNICATION WITH PRINTER

813 PAPER NOT LOADING

814 NO PAPER FEED (INTERNAL FUNCTION)

815 NO IMAGE FIXATION

816 NO DOCUMENT FEEDING

817 SCANNER NOT WORKING

818 NO OPERATION OF PAPER FEED MODULE (EXTERNAL)

819 NO SORTER/FINISHER FUNCTION

81X OTHER 'NO PRINT / COPY / SCAN' PROBLEM

820 ERRONEOUS PRINT / COPY / SCAN OPERATION

821 PRINT IMAGE REVERSED (NEGATIVE / POSITIVE)

822 IRREGULAR PAPER FEED

823 ERRONEOUS PRINT MODE SWITCHING

824 COPY TOO DARK

825 COPY TOO BRIGHT

826 BLACK COPY

827 WHITE COPY

828 POOR COLOUR LEVELS

829 IRREGULAR DOCUMENT FEED

82A FAULTY CORRECTION FUNCTION

82B POOR SCANNING QUALITY

82X OTHER PRINT / COPY / SCAN OPERATION PROBLEM

830 POOR PRINT QUALITY

- 831 INCORRECT PRINTING POSITION
 - 832 LOW PRINT CONTRAST
 - 833 EXCESSIVE PRINT CONTRAST
 - 834 BLURRED PRINT IMAGE
 - 835 PRINT IMAGE NOT SHARP
 - 836 DOTS MISSING IN PRINT IMAGE
 - 837 COLOUR STREAKING
 - 838 NO COLOUR IN PART OF IMAGE
 - 839 PRINT IMAGE / COPY INCOMPLETE
 - 83A FAULTY CALIBRATION
 - 83B INK DRIPPING / SPLASHING
 - 83X OTHER PRINT QUALITY PROBLEM
-

840 NOISY PRINTING

841 PRINTING NOISE LINES

842 DIRTY PRINTING

843 UNPLEASANT SMELL (OZONE)

844 BLACK LINES / STRIPES IN FEED DIRECTION

845 WHITE LINES / STRIPES IN FEED DIRECTION

846 BLACK LINES / STRIPES ACROSS FEED DIRECTION

847 WHITE LINES / STRIPES ACROSS FEED DIRECTION

84X OTHER 'NOISY PRINTING' PROBLEM

850 UNSTABLE PRINTER OPERATION

851 UNSTABLE PAPER LOADING

852 UNSTABLE MULTI-PAPER LOADING

853 INCORRECT LINE-UP OF CHARACTERS

854 WRONG DETECTION OF ORIGINAL DOCUMENT FORMAT

85X OTHER 'UNSTABLE PRINTER OPERATION' PROBLEM

860 RIBBON / PAPER PROBLEMS

- 861 RIBBON BROKEN
 - 862 RIBBON STUCK / STICKING
 - 863 RIBBON DERAILED
 - 864 PAPER STUCK / STICKING TO MECHANISM
 - 865 PAPER JAM
 - 866 DOCUMENT JAM
 - 867 ERRONEOUS 'NO INK / TONER' MESSAGE
 - 868 FAULTY PAPER CUTTING FUNCTION
 - 869 TOO SHORT INK / TONER LIFETIME
 - 86A PAPER SKEW / WRINKLE / FOLDING
 - 86B DOCUMENT SKEW / WRINKLE / FOLDING
 - 86X OTHER RIBBON / PAPER PROBLEM
-

880 FAULTY FONT / CHARACTER FUNCTIONS

881 INCORRECT CHARACTERS OR IMAGE

882 INCORRECT CHARACTER SIZE

883 FONT LOADING PROBLEM

88X OTHER FAULTY FONT / CHARACTER FUNCTION PROBLEM

COMMON

ANT ANTENNA SECTION
APR SIGNAL PROCESSING (ANALOG)
BCH BATTERY CHARGING SECTION
CLK CLOCK / TIMER SECTION
CTR CONTROL PANEL
DEN DECODER / ENCODER SECTION
DPR SIGNAL PROCESSING (DIGITAL)
EEP EEPROM SECTION
ERA ERASE CIRCUIT
FLX FLEXIBLE PRINTED CIRCUIT BOARD
HFS HIGH FREQUENCY SECTION (RF)
IDS INFORMATION DISPLAY SECTION
IFC IF CIRCUIT
INP SIGNAL INPUT SECTION
IRD INFRARED (IRDA) SECTION
OUT SIGNAL OUTPUT SECTION

PRG PROGRAMMING SECTION
PRT PROTECTION CIRCUIT
PSP POWER SUPPLY PRIMARY
PSS POWER SUPPLY SECONDARY
PSU POWER SUPPLY
PWA POWER AMP SECTION
REM REMOTE CONTROL SECTION
RFU BOOSTER / RF UNIT
SET TOTAL PRODUCT
SFT MEDIUM / SOFTWARE (TAPE / DISC / ETC.)
SNS SENSOR UNIT
SVO SERVO SECTION
SYS SYSTEM CONTROL / LOGIC SECTION
TUN TUNING SECTION
TXT TEXT PROCESSING
WIR LEAD WIRE

SOUND-RELATED

APA	AUDIO PROCESSING (ANALOG)
APD	AUDIO PROCESSING (DIGITAL)
HPN	HEADPHONE UNIT
MIC	MICROPHONE SECTION
SPK	SPEAKER

PICTURE-RELATED

CAM	CAMERA CIRCUIT
CPA	COLOUR PROCESSING (ANALOG)
CPD	COLOUR PROCESSING (DIGITAL)
CRT	PICTURE DISPLAY
DDC	DISPLAY DRIVE CIRCUIT
DFH	DEFLECTION HORIZONTAL
DFL	DEFLECTION CIRCUIT
DFV	DEFLECTION VERTICAL
FPK	FOCUS PACK
HDR	HORIZONTAL DRIVE
IMG	IMAGE DISPLAY UNIT
LCD	LCD SECTION
LMP	LAMP / FLASH SECTION
STA	STATIC BLOCK
VPA	VIDEO PROCESSING (ANALOG)
VPD	VIDEO PROCESSING (DIGITAL)
VWF	VIEWFINDER

PRINTING / SCANNING MECHANISM

ADU	DOCUMENT HOLDER SECTION
ASF	DOCUMENT FEEDER SECTION (EXTERNAL)
CON	CONSUMABLE / SUPPLY SECTION
DVS	DEVELOPMENT SECTION
FUS	FIXATION/FUSING
MCF	MANUAL FEEDER
PRO	PRINT PROCESSING
SOF	SORTER / FINISHER

DATA OPERATION- AND PC-RELATED

DKS	DOCKING STATION OR PORT REPLICATOR
FMW	FIRMWARE
IDE	IDE INTERFACE SECTION
ILN	i.LINK (IEEE1394 / FIREWIRE) SECTION
ISA	ISA SECTION
JST	JOYSTICK / NAVIGATION INTERFACE
KBD	KEYBOARD (SEPARATE)
MCD	MEMORY CARD SECTION
MDM	MODEM SECTION
MEM	MEMORY CIRCUIT
NIF	NETWORK INTERFACE (WIRED)
PAR	PARALLEL PORT
PCC	PC CARD
PCI	PCI SECTION
SCS	SCSI PORT
SDR	SOFTWARE DEVICE DRIVER / PATCH
SER	SERIAL PORT
SWA	SOFTWARE APPLICATION
SWO	SOFTWARE OPERATING SYSTEM
USB	USB PORT
WLS	WIRELESS / BLUETOOTH CONTROLLER UNIT

MECHANICAL

ARM	ARM MECHANISM	MIR	MIRROR SECTION
BZL	BEZEL	OPU	OPTICAL PICK-UP UNIT
CBT	CABINET	PCS	PAPER CASSETTE
CDS	CD DRIVE MECHANISM	PFM	PAPER FEED MECHANISM
CHA	CHASSIS	PIN	PINCH ROLLER / LEVER
CHG	CHANGER SECTION	PRI	PRINT BLOCK / DRUM
DDM	DISC DRIVE MECHANISM	PUD	PICK-UP DEVICE
DVD	DVD DRIVE MECHANISM	RFM	RIBBON FEED MECHANISM
EXC	EXTERNAL CONNECTOR	RHD	ROTARY HEAD(S)
FAN	FAN / COOLING	SCN	SCANNING SECTION
FDD	FLOPPY DISC DRIVE	SHD	STATIONARY HEAD(S)
FXT	FIXATION SECTION	SLD	SLED MECHANISM
HCM	HEAD CARRIAGE MECHANISM	SRS	SUPPLY REEL SECTION
HDD	HARD DISC DRIVE	TCH	TOUCHPAD / TOUCHSCREEN UNIT
HOL	CASSETTE HOLDER	TDM	TAPE DRIVE MECHANISM
INC	INTERNAL CONNECTOR	THR	THREADING MECHANISM
INK	INK UNIT	TNR	TENSION REGULATOR
LDG	LOADING MECHANISM	TPT	TAPE PATH
LNM	LENS MECHANISM	TRS	TAKE-UP REEL SECTION
MDS	MD DRIVE MECHANISM	XXX	CABINET / COSMETIC PARTS

A WORN OUT
(OR GENERAL MECHANICAL DEFECT)

A1 MISOPERATING

B DIRTY / CLOGGED

C MECHANICALLY MISALIGNED

D CUT / BROKEN

D2 PICTURE TUBE BROKEN NECK

E DEFORMED

F SNAPPED

G SCRATCHED / DENTED /
SHARP EDGES

G1 PICTURE TUBE, SCRATCHES OR
EXTERNAL DAMAGE

H CRACKED / PEELED /
CORRODED / MELTED

I LOOSE / OFF / STRIPPED

I2 LOOSE PARTS IN TUBE
(VISIBLE OR NOT)

J SHAKY / UNSTABLE

K LEAKING (MECHANICAL)

K3 PICTURE TUBE LEAK (NO VACUUM)

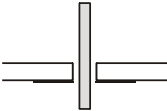
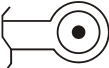
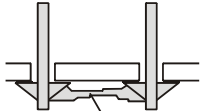
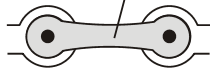
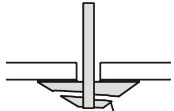
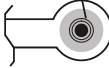
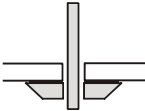
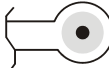
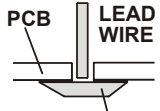
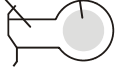
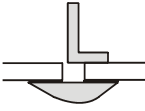
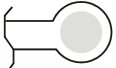
L DRY (NO LUBRICANT)

M FOREIGN OBJECT

N	DEFECTIVE ELECTRICAL COMPONENT / MODULE
O	BURNT / ARCING / MISSING PIXELS
O1	PICTURE TUBE GEOMETRY OUT OF SPEC
O2	PICTURE TUBE CONVERGENCE OUT OF SPEC
O3	PICTURE TUBE FOCUS DEFECTIVE
O4	PICTURE TUBE PURITY PROBLEM
O5	PICTURE TUBE EHT (HIGH VOLTAGE) SHORT CIRCUIT
O6	PICTURE TUBE EHT (HIGH VOLTAGE) FLASHOVER
O7	OUT-OF-SPEC PIXEL DEFECTS IN DISPLAY
O8	DEFLECTION COIL DEFECTIVE
O9	NOISE FROM PICTURE TUBE OR DEFLECTION COIL
P	ELECTRICALLY MISALIGNED / WRONG SETTING
Q	SHORT CIRCUIT
Q1	PICTURE TUBE SHORT CIRCUIT
R	OPEN CIRCUIT
R1	PICTURE TUBE OPEN CIRCUIT
S	LEAKING (ELECTRICAL)
S1	PICTURE TUBE LEAKING (ELECTRICAL)
T	BAD CONTACT / CONNECTION
T1	BAD EARTH CONNECTION
U	OPEN PATTERN
V	CRACKED PRINTED CIRCUIT BOARD
W	COLD OR NO SOLDERING (NO LONGER USED)
W1	MISSING SOLDER
W2	BRIDGED SOLDERING
W3	CRACKS IN SOLDER

W4	SOLDER DID NOT STICK TO COMPONENT
W5	COMPONENT DID NOT CONTACT SOLDER
W6	LEAD WIRE / FLAT CABLE IS BENT / WRONG COMPONENT POSITION
Y	WRONG COMPONENT / MODULE
Z	MISSING COMPONENT / MODULE
1	SOFTWARE PROBLEM
11	LOSING DATA FROM MEMORY
12	FAULTY PROGRAM SETTING / INSTALLATION
13	SOFTWARE DEFECTIVE OR INCOMPLETE
14	SOFTWARE SETUP PROBLEM
15	NO IDENTIFICATION / AUTHENTICATION OF PRODUCT OR USER
16	MAP DATA ERROR
2	EXHAUSTED / LOW EMISSION
3	NO PROBLEM FOUND (SET WITHIN SPEC)
4	NO PROBLEM FOUND – CUSTOMER MISUNDERSTANDING
5	NO PROBLEM FOUND – LOCAL CONDITIONS
51	FAULTY MAINS VOLTAGE
6	UNABLE TO DIAGNOSE FAULT
7	INCORRECTLY WIRED / ASSEMBLED
72	PREVIOUS, INCOMPLETE OR INCORRECT, ATTEMPT TO REPAIR
73	DAMAGE / DEFECT DURING REPAIR PROCESS
81	INCORRECT EQUIPMENT CONNECTION
9	CUSTOMER MISUSE
93	UNAUTHORIZED MODIFICATION

EXAMPLES OF BAD SOLDERING DEFECT CODES (ALSO FOR SMD PARTS)

W1	W2	W3	W4	W5	W6
 	 	 	 	 	 
NO CONTACT BECAUSE OF MISSING SOLDER	ADJACENT LEAD WIRES ARE CONNECTED BY SOLDER BRIDGE	THERE ARE CRACKS IN THE SOLDER SECTION	LEAD WIRE MOVES FREELY UP AND DOWN	LEAD WIRE DID NOT REACH THE FOIL SIDE OF THE PCB	LEAD WIRE / FLAT CABLE IS BENT / WRONG COMPONENT POSITION

A	REPLACEMENT
A2	MODULE REPLACEMENT
AF	FREE OF COST PART
AN	NEW DEFECTIVE PART
AX	REPLACEMENT BY A 'SCRAP' COMPONENT
B	MECHANICAL ALIGNMENT
C	ELECTRICAL ALIGNMENT
C1	SOFTWARE ADJUSTMENT BY INTERNAL SERVICE MENU
C2	SOFTWARE ADJUSTMENT BY EXTERNAL SERVICE TOOL
D	RESOLDERING
D1	REFITTING / PUTTING BACK IN POSITION (CONNECTOR / TUBE ...)
E	CLEANING
F	LUBRICATION
G	REPAIRED ELECTRICAL PARTS
H	REPAIRED MECHANICAL PARTS
I	MODIFICATION REQUESTED BY MANUFACTURER
J	REMOVED
K	ADDED
L	FUNCTIONAL CHECK
M	SPECIFICATION MEASUREMENT
N	MAINTENANCE
O	REFURBISHING / RECONDITIONING
P	PREVENTIVE PARTS REPLACEMENT

Q	PREVENTIVE ACTION WITHOUT PARTS REPLACEMENT
U	EXPLANATION FOR CUSTOMER
V	COST ESTIMATION REFUSED
W	COST ESTIMATION WITH PARTS
X	COST ESTIMATION WITHOUT PARTS
Y	RETURN WITHOUT REPAIR
Y1	SCRAPPED
Y2	SCRAPPED WITH REFUND
Y3	PRODUCT TRANSPORT / FORWARDING
Y4	PRODUCT INSTALLATION
Z	SET EXCHANGE
Z1	PRODUCT EXCHANGE (REPAIR TOO EXPENSIVE)
Z2	PRODUCT EXCHANGE (TOO MANY VISITS / REPAIRS)
Z3	PRODUCT EXCHANGE (PARTS NOT AVAILABLE)
Z4	PRODUCT EXCHANGE (IMPOSSIBLE TO REPAIR)
Z5	PRODUCT EXCHANGE (ON REQUEST OF RETAILER)
Z6	PRODUCT EXCHANGE (ON REQUEST OF MANUFACTURER)
Z7	PRODUCT ACCESSORY EXCHANGE
1	SOFTWARE CORRECTION / RESET
11	FORMATTED
2	SOFTWARE UPGRADE
3	PRODUCT UPGRADE (ON REQUEST)

-
- 111 DIFFICULTY WITH INITIAL TUNING
 - 112 DIFFICULTY TUNING TV TO VCR
 - 113 DIFFICULTY MAPPING, NAMING OR STORING CHANNELS
 - 11X OTHER DIFFICULTY WITH PRODUCT SETUP
-

-
- 121 NO BATTERY FITTED
 - 122 INCORRECT BATTERY USED
 - 123 BATTERY INSTALLED INCORRECTLY
 - 124 INCORRECT POWER SUPPLY USED
 - 125 POWER SUPPLY CONNECTED IMPROPERLY
 - 126 INCORRECT ACCESSORY USED
 - 12X OTHER DIFFICULTY WITH PERIPHERALS / MEDIA SETUP
-

-
- 131 CUSTOMER DID NOT READ "QUICK START" GUIDE
 - 132 CUSTOMER DID NOT READ INSTRUCTION MANUAL
 - 133 WRONG EXPLANATION IN INSTRUCTION MANUAL
 - 134 CONFUSING TECHNICAL SPECIFICATION
 - 13X OTHER SETUP PROBLEM RELATED TO
CUSTOMER PERCEPTION / DOCUMENTATION
-

-
- 141 NOT PROPERLY CONNECTED TO AERIAL
 - 142 VCR NOT PROPERLY CONNECTED TO TV
 - 143 SURROUND SOUND SYSTEM NOT PROPERLY CONNECTED
 - 144 INCORRECT ANTENNA USED
 - 145 INCORRECT CONNECTION LEAD USED
 - 14X OTHER SETUP PROBLEM RELATED TO CONNECTIVITY
-

151 CUSTOMER NOT REGISTERED WITH PROVIDER

15X OTHER SETUP PROBLEM RELATED TO PROVIDER

-
- 211 OPERATING UNDER EXTREME TEMPERATURE / HUMIDITY CONDITIONS
 - 212 OPERATING UNDER EXTREME LIGHTING CONDITIONS
 - 213 OPERATING UNDER ADVERSE BACKGROUND NOISE
 - 214 MAINS VOLTAGE OUT OF SPEC
 - 21X OTHER LOCAL CONDITIONS AFFECTING THE PRODUCT
-

221 BATTERY DISCHARGED

222 INTERFERENCE FROM PERIPHERAL EQUIPMENT
CONNECTED / NOT CONNECTED

223 REMOTE USED OUT OF WORKABLE AREA

22X OTHER LOCAL CONDITIONS AFFECTING PERIPHERALS / MEDIA

231 AFTER CHECKING SYMPTOM NOT FOUND

-
- 241 POOR SIGNAL STRENGTH IN AREA
 - 242 EQUIPMENT OUTSIDE SERVICE AREA
 - 243 SIGNAL INTERFERENCE CONNECTED / NOT CONNECTED
 - 244 INCORRECT LOCATION OF SURROUND SPEAKERS
 - 245 BAD ANTENNA INSTALLATION
 - 24X OTHER LOCAL CONDITIONS AFFECTING RECEPTION / OPERATION
-

-
- 251 NO PDC / VPS / SHOWVIEW SERVICE AVAILABLE
 - 252 NO NICAM / STEREO SERVICE AVAILABLE
 - 253 NO WIDESCREEN SERVICE AVAILABLE
 - 254 NO RDS SERVICE AVAILABLE
 - 255 NO DAB / DVB SERVICE AVAILABLE
 - 25X OTHER MISSING SERVICE
-

-
- 311 CONFUSING LAYOUT OF USER CONTROLS ON SET
 - 312 USER CONTROLS ON SET TOO SMALL TO OPERATE
 - 313 POOR MARKINGS ON USER CONTROLS / CONNECTIONS
 - 314 POOR/ CONFUSING INFO ON DISPLAY
 - 31X OTHER PROBLEM DUE TO OPERATIONAL COMPLEXITY OF SET
-

321 CONFUSING LAYOUT OF USER CONTROLS ON REMOTE

322 USER CONTROLS ON REMOTE TOO SMALL TO OPERATE

32X OTHER PROBLEM DUE TO OPERATIONAL COMPLEXITY OF PERIPHERAL

331 DIFFICULTY OPERATING THE SET

332 DIFFICULTY OPERATING THE REMOTE COMMANDER

333 DIFFICULTY OPERATING TIMER RECORDING

334 DIFFICULTY OPERATING TELETEXT

335 DIFFICULTY SETTING THE CLOCK

-
- 341 SCART LEAD NOT CONNECTED – NO AV CHANNEL
 - 342 SUPPLIED LEAD CONNECTED INCORRECTLY
 - 343 INCORRECT USE OF DIGITAL CONNECTION
 - 344 INCORRECT IEEE1394 CONNECTION
 - 34X OTHER PROBLEM DUE TO COMPLEXITY OF CONNECTIONS
-

411 SOFTWARE INCOMPATIBILITY WITH CUSTOMER PRODUCT

421 POOR QUALITY STORAGE MEDIUM USED

422 DAMAGED STORAGE MEDIUM USED

423 INCORRECT FORMAT MEDIUM USED

431 PRODUCT DOES NOT MEET CUSTOMER EXPECTATION

432 PICTURE QUALITY DOES NOT MEET CUSTOMER EXPECTATION

433 AUDIO QUALITY DOES NOT MEET CUSTOMER EXPECTATION

434 COSMETIC QUALITY DOES NOT MEET THE CUSTOMER EXPECTATION

441 SOFTWARE INCOMPATIBILITY WITH OTHER PRODUCT

442 SIGNAL INCOMPATIBILITY WITH OTHER PRODUCT

451 INCORRECT SOFTWARE VERSION

ANALOG

O	OPERATING MODE
AO1	PLAY
AO2	PAUSE
AO3	RECORD
AO4	FAST FORWARD
AO5	FAST REWIND
AO6	REVERSE
AO7	CUE
AO8	TRACK SKIP
AO9	REVIEW
AOA	COPY
AOB	HIGH SPEED COPY
AOC	TIMER PLAY
AOD	TIMER RECORD
AOE	RANDOM
AOF	SLOW MOTION
AOG	STILL PICTURE
AOH	PIP - PICTURE IN PICTURE
AOI	AUTOMATIC PICTURE MODE
AOJ	ASPECT MODE
AOK	SURROUND MODE
AOL	LOUDNESS ON
AOM	XBS SOUND
AON	ZOOM
AOO	WIDE
AOP	TELE
AOQ	MENU MODE
AOR	MEMORY
AOS	RESUME
AOT	HIBERNATION
AOU	
AOV	
AOW	
AOX	OTHER

ANALOG

A	APPLICATION MODE
AA1	TEXT MODE
AA2	LOCK MODE
AA3	CHILD LOCK
AA4	ON-SCREEN DISPLAY
AA5	TIME-SLIP
AA6	Q-LINK / SMARTLINK / NEXT VIEW LINK
AA7	EXTERNAL LINK
AA8	SHOWVIEW / VIDEO PLUS
AA9	VPS
AAA	EPG
AAB	RDS
AAC	CD TEXT
AAD	ID 3 TAG
AAE	LINK MODE
AAF	
AAG	
AAH	
AAI	
AAJ	
AAK	
AAL	
AAM	
AAN	
AAO	
AAP	
AAQ	
AAR	
AAS	
AAT	
AAU	
AAV	
AAW	
AAX	OTHER

ANALOG

F	FREQUENCY BAND
---	----------------

AF1	FM
-----	----

AF2	AM
-----	----

AF3	LW
-----	----

AF4	SW
-----	----

AF5	VHF
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AF6	UHF
-----	-----

AF7	
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AF8	
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AF9	
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AFA	
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AFB	
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AFC	
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AFD	
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AFE	
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AFF	
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AFG	
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AFH	
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AFI	
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AFJ	
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AFK	
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AFL	
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AFM	
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AFN	
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AFO	
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AFP	
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AFQ	
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AFR	
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AFS	
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AFT	
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AFU	
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AFV	
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AFW	
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AFX	OTHER
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ANALOG

I I/O CONNECTIONS

AI1 CINCH AUDIO
AI2 CINCH VIDEO
AI3 SCART
AI4 RGB
AI5 COMPOSITE (CVBS / FBAS)
AI6 COMPONENT
AI7 S-VIDEO / HOSIDEN
AI8 YUV
AI9 AC POWER
AIA DC POWER
AIB 1.5 MM
AIC 2.5 MM
AID 3.5 MM
AIE 6.3 MM
AIF BNC
AIG HEADPHONE
AIH MICROPHONE
AII SPEAKER
AIJ CENTRE
AIK FRONT
AIL REAR
AIM SUBWOOFER
AIN RF
AIO XLR
AIP REMOTE
AIQ EDIT
AIR SYSTEM CONNECTION
AIS
AIT
AIU
AIV
AIW
AIX OTHER

ANALOG

M	MOUNTING DEVICE
AM1	NO SPECIAL MOUNTING
AM2	STAND
AM3	WALL MOUNTED
AM4	CEILING MOUNTED
AM5	CAR MOUNTED
AM6	PULT INSTALLATION
AM7	BELOW THE TABLE
AM8	CARRYING CASE
AM9	CARRYING POCKET
AMA	NECK BAND
AMB	TRIPOD
AMC	BELT
AMD	STRAP
AME	HANDLE
AMF	RAIN COVER
AMG	DIVING COVER
AMH	HANDSFREE KIT
AMI	
AMJ	
AMK	
AML	
AMM	
AMN	
AMO	
AMP	
AMQ	
AMR	
AMS	
AMT	
AMU	
AMV	
AMW	
AMX	OTHER

ANALOG

X	ACCESSORY
AX1	POWER ADAPTER
AX2	CHARGER
AX3	REMOTE CONTROL
AX4	HEADPHONE
AX5	EARPHONE
AX6	SPEAKER
AX7	ANTENNA
AX8	MICROPHONE
AX9	TUNER
AXA	SAT RECEIVER
AXB	GPS RECEIVER
AXC	POWER AMPLIFIER
AXD	DISPLAY / MONITOR
AXE	CARD / SIGNAL ADAPTER
AXF	FLASHLIGHT
AXG	CAMERA
AXH	LENS UNIT
AXI	FILTER
AXJ	CAR KIT
AXK	POWER CABLE
AXL	SIGNAL CABLE
AXM	STYLUS / PICKUP
AXN	
AXO	
AXP	
AXQ	
AXR	
AXS	
AXT	
AXU	
AXV	
AXW	
AXX	OTHER

DIGITAL

O OPERATING ENVIRONMENT / FUNCTION

DO1 BIOS
DO2 DOS
DO3 WINDOWS
DO4 LINUX
DO5 UNIX
DO6 MAC
DO7 OS2
DO8
DO9
DOA
DOB
DOC
DOD MMS
DOE E-MAIL
DOF SMS
DOG SMTP
DOH POP3
DOI APPLE OS
DOJ NOVELL
DOK
DOL
DOM
DON
DOO
DOP
DOQ
DOR
DOS
DOT
DOU
DOV
DOW
DOX OTHER

DIGITAL

P	PROGRAM TYPE
DP1	WORD PROCESSING
DP2	SPREADSHEET
DP3	PRESENTATION
DP4	DATABASE
DP5	PICTURE EDITING
DP6	VIDEO EDITING
DP7	AUDIO EDITING
DP8	E-MAIL PROGRAM
DP9	INTERNET PROGRAM
DPA	GAME PROGRAM
DPB	CD / DVD BURN PROGRAM
DPC	FILE MANAGER PROGRAM
DPD	FORMATTING PROGRAM
DPE	VIRUS SCANNER
DPF	FIREWALL
DPG	NETWORK PROGRAM
DPH	HOST PROGRAM
DPI	SYSTEM OPERATION PROGRAM
DPJ	COMMUNICATION PROGRAM
DPK	DEVICE DRIVER SOFTWARE
DPL	VIRUS PROGRAM / INFECTED
DPM	NON STANDARD PROGRAM
DPN	
DPO	
DPP	
DPQ	
DPR	
DPS	
DPT	
DPU	
DPV	
DPW	
DPX	OTHER

DIGITAL

N NETWORKING ENVIRONMENT

DN1	TERRESTRIAL ANTENNA
DN2	CABLE NETWORK
DN3	DVB-T
DN4	DVB-S
DN5	DVB-S2
DN6	DVB-C
DN7	DVB-H
DN8	DVF
DN9	SATELLITE AUDIO
DNA	SATELLITE VIDEO
DNB	SATELLITE
DNC	DIAL-UP MODEM
DND	ISDN CONNECTION
DNE	DSL CONNECTION
DNF	GPRS
DNG	UMTS
DNH	DECT
DNI	GSM
DNJ	DAB
DNK	GPS
DNL	LAN
DNM	ETHERNET
DNN	BLUETOOTH
DNO	INFRARED / IRDA
DNP	WIRELESS / WLAN
DNQ	WAN - WIDE AREA NETWORK
DNR	BROADBAND
DNS	
DNT	
DNU	
DNV	
DNW	
DNX	OTHER

DIGITAL

I I/O CONNECTIONS

DI1 SERIAL RS232 / COM
DI2 PARALLEL / CENTRONICS
DI3 USB
DI4 PS2
DI5 VGA
DI6 DVI
DI7 COAX
DI8 OPTICAL
DI9 HDMI
DIA HI8
DIB IEEE 1394 / FIRE WIRE
DIC NETWORK / DATA
DID IRDA
DIE PC CARD SLOT
DIF PCMCIA
DIG PORT REPLICATOR
DIH IDE
DII SCSI
DIJ S0 BUS
DIK D-SUB 15 PIN
DIL D-SUB 9 PIN
DIM
DIN
DIO
DIP
DIQ
DIR
DIS
DIT
DIU
DIV
DIW
DIX OTHER

DIGITAL

H SYSTEM ENVIRONMENT HARDWARE

DH1	MAIN BOARD
DH2	PROCESSOR
DH3	DISK DRIVE
DH4	HARD DRIVE
DH5	INTERNAL MEMORY
DH6	GRAPHIC CARD
DH7	CONTROLLER
DH8	GAME CONTROLLER
DH9	NETWORK ADAPTER
DHA	MODEM
DHB	PCMCIA ADAPTER
DHC	USB DEVICE
DHD	STANDARD MOUSE
DHE	OPTICAL / LASER MOUSE
DHF	TOUCH PAD
DHG	TRACK BALL
DHH	TOUCH SCREEN
DHI	DISPLAY / MONITOR
DHJ	PRINTER
DHK	SCANNER
DHL	KEYBOARD
DHM	
DHN	
DHO	
DHP	
DHQ	
DHR	
DHS	
DHT	
DHU	
DHV	
DHW	
DHX	OTHER

DIGITAL

S SYSTEM ENVIRONMENT SOFTWARE

DS1 BIOS VERSION
DS2 PARTITION NUMBER
DS3 PORT NAME AND NUMBER
DS4 IRQ NUMBER
DS5 SYSTEM DRIVER TYPE + VERSION
DS6 RUNNING SERVICE NAME
DS7 TASK / PROCESS NAME
DS8 CERTIFICATE NAME / TYPE
DS9 PROTOCOL TYPE
DSA DISPLAY MODE / RESOLUTION
DSB CODE TABLE
DSC LANGUAGE SETTING
DSD COUNTRY SETTING
DSE
DSF
DSG
DSH
DSI
DSJ
DSK
DSL
DSM
DSN
DSO
DSP
DSQ
DSR
DSS
DST
DSU
DSV
DSW
DSX OTHER

MEDIA

MA	ANALOG
MA1	RECORD DISC
MA2	AUDIO TAPE
MA3	AUDIO MICRO TAPE
MA4	VIDEO TAPE VHS
MA5	VIDEO TAPE VHSC
MA6	VIDEO TAPE SVHS
MA7	VIDEO TAPE SVHSC
MA8	VIDEO TAPE 8 MM
MA9	VIDEO TAPE HI8
MAA	THERMAL PAPER
MAB	PLAIN PAPER
MAC	PAPER PHOTO QUALITY
MAD	GLOSSY PHOTO PAPER
MAE	TRANSPARENCIES (OVERHEAD)
MAF	COLOURED PAPER
MAG	ENVELOPE
MAH	LABEL
MAI	CARTON
MAJ	SLIDE
MAK	PHOTO FILM
MAL	
MAM	
MAN	
MAO	
MAP	
MAQ	
MAR	
MAS	
MAT	
MAU	
MAV	
MAW	
MAX	OTHER

MEDIA

MD	DIGITAL
MD1	HI8 VIDEO
MD2	DVC VIDEO
MD3	TAPE
MD4	CD-ROM
MD5	DVD-ROM
MD6	CD-RW
MD7	DVD+RW
MD8	DVD-RW
MD9	DVD-RAM
MDA	DVD+R
MDB	DVD-R
MDC	HD-DVD
MDD	BD - BLUE RAY DISC
MDE	MULTIMEDIA CARD
MDF	MEMORY STICK
MDG	SD MEMORY CARD
MDH	SD MEMORY CARD MINI
MDI	CF MEMORY CARD
MDJ	CF HDD
MDK	FLASH MEMORY
MDL	INTERNAL MEMORY
MDN	FLOPPY DISK
MDO	HARD DISK
MDP	STREAMER TAPE
MDQ	CD MULTISESSION
MDR	VLP
MDT	VIDEO CD
MDU	
MDV	
MDW	
MDY	
MDZ	
MDX	OTHER

FORMAT

FA AUDIO

FA1 STEREO

FA2 MONO

FA3 DOLBY

FA4 DOLBY PRO LOGIC

FA5 DOLBY DIGITAL

FA6 DTS

FA7 SDDS CINEMA SOUND

FA8 THX

FA9 PCM

FAA DAB

FAB

FAC

FAD

FAE

FAF

FAG

FAH

FAI

FAJ

FAK

FAL

FAM

FAN

FAO

FAP

FAQ

FAR

FAS

FAT

FAU

FAV

FAW

FAX OTHER

FORMAT

FV	VIDEO
FV1	PAL
FV2	NTSC
FV3	SECAM
FV4	HDTV
FV5	16:9 FORMAT
FV6	14:9 FORMAT
FV7	4:3 FORMAT
FV8	50 HZ
FV9	60 HZ
FVA	100 HZ
FVB	SP - NORMAL
FVC	LP - LONG PLAY
FVD	EP - EXTRA LONG PLAY
FVE	XP - EXTRA HIGH QUALITY
FVF	CINEMASCOPE
FVG	LETTERBOX
FVH	ZOOM MODE
FVI	
FVJ	
FVK	
FVL	
FVM	
FVN	
FVO	
FVP	
FVQ	
FVR	
FVS	
FVT	
FVU	
FVV	
FVW	
FVX	OTHER

FORMAT

FD	DATA
----	------

FD1	ZIP
-----	-----

FD2	XLS
-----	-----

FD3	DOC
-----	-----

FD4	PPT
-----	-----

FD5	JPG
-----	-----

FD6	EXIF
-----	------

FD7	RAR
-----	-----

FD8	
-----	--

FD9	
-----	--

FDA	
-----	--

FDB	
-----	--

FDC	
-----	--

FDD	
-----	--

FDE	
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FDF	
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FDG	
-----	--

FDH	
-----	--

FDI	
-----	--

FDJ	
-----	--

FDK	
-----	--

FDL	
-----	--

FDM	
-----	--

FDN	
-----	--

FDO	
-----	--

FDP	
-----	--

FDQ	
-----	--

FDR	
-----	--

FDS	
-----	--

FDT	
-----	--

FDU	
-----	--

FDV	
-----	--

FDW	
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FDX	OTHER
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FORMAT

FC	AV CODEC
FC1	MP3
FC2	ATRAC
FC3	MPEG2
FC4	MPEG4
FC5	DIVX
FC6	DVD AUDIO
FC7	DVD VIDEO
FC8	VCD - VIDEO CD
FC9	SVCD
FCA	SACD - SUPER AUDIO CD
FCB	MVCD
FCC	HDCD
FCD	AAC
FCE	HDDV
FCF	HIGHMAT
FCG	WMA
FCH	BMP
FCI	JPG
FCJ	EXIF
FCK	TIFF
FCL	REGION CODE
FCM	WMV
FCN	
FCO	
FCP	
FCQ	
FCR	
FCS	
FCT	
FCU	
FCV	
FCW	
FCX	OTHER

LOCATION

L	LOCATION
L10	TOP LEFT
L11	TOP LEFT 11
L12	TOP LEFT 12
L13	TOP LEFT 13
L14	TOP LEFT 14
L15	TOP LEFT 15
L16	TOP LEFT 16
L17	TOP LEFT 17
L18	TOP LEFT 18
L19	TOP LEFT 19
L20	TOP MIDDLE
L21	TOP MIDDLE 21
L22	TOP MIDDLE 22
L23	TOP MIDDLE 23
L24	TOP MIDDLE 24
L25	TOP MIDDLE 25
L26	TOP MIDDLE 26
L27	TOP MIDDLE 27
L28	TOP MIDDLE 28
L29	TOP MIDDLE 29
L30	TOP RIGHT
L31	TOP RIGHT 31
L32	TOP RIGHT 32
L33	TOP RIGHT 33
L34	TOP RIGHT 34
L35	TOP RIGHT 35
L36	TOP RIGHT 36
L37	TOP RIGHT 37
L38	TOP RIGHT 38
L39	TOP RIGHT 39
LXX	OTHER

LOCATION

L	LOCATION
L40	CENTER LEFT
L41	CENTER LEFT 41
L42	CENTER LEFT 42
L43	CENTER LEFT 43
L44	CENTER LEFT 44
L45	CENTER LEFT 45
L46	CENTER LEFT 46
L47	CENTER LEFT 47
L48	CENTER LEFT 48
L49	CENTER LEFT 49
L50	CENTER MIDDLE
L51	CENTER MIDDLE 51
L52	CENTER MIDDLE 52
L53	CENTER MIDDLE 53
L54	CENTER MIDDLE 54
L55	CENTER MIDDLE 55
L56	CENTER MIDDLE 56
L57	CENTER MIDDLE 57
L58	CENTER MIDDLE 58
L59	CENTER MIDDLE 59
L60	CENTER RIGHT
L61	CENTER RIGHT 61
L62	CENTER RIGHT 62
L63	CENTER RIGHT 63
L64	CENTER RIGHT 64
L65	CENTER RIGHT 65
L66	CENTER RIGHT 66
L67	CENTER RIGHT 67
L68	CENTER RIGHT 68
L69	CENTER RIGHT 69
LXX	OTHER

LOCATION

L	LOCATION
L70	BOTTOM LEFT
L71	BOTTOM LEFT 71
L72	BOTTOM LEFT 72
L73	BOTTOM LEFT 73
L74	BOTTOM LEFT 74
L75	BOTTOM LEFT 75
L76	BOTTOM LEFT 76
L77	BOTTOM LEFT 77
L78	BOTTOM LEFT 78
L79	BOTTOM LEFT 79
L80	BOTTOM MIDDLE
L81	BOTTOM MIDDLE 81
L82	BOTTOM MIDDLE 82
L83	BOTTOM MIDDLE 83
L84	BOTTOM MIDDLE 84
L85	BOTTOM MIDDLE 85
L86	BOTTOM MIDDLE 86
L87	BOTTOM MIDDLE 87
L88	BOTTOM MIDDLE 88
L89	BOTTOM MIDDLE 89
L90	BOTTOM RIGHT
L91	BOTTOM RIGHT 91
L92	BOTTOM RIGHT 92
L93	BOTTOM RIGHT 93
L94	BOTTOM RIGHT 94
L95	BOTTOM RIGHT 95
L96	BOTTOM RIGHT 96
L97	BOTTOM RIGHT 97
L98	BOTTOM RIGHT 98
L99	BOTTOM RIGHT 99
LXX	OTHER

LOCATION

L	LOCATION
LH1	HORIZONTAL LINE AT 11
LH2	HORIZONTAL LINE AT 14
LH3	HORIZONTAL LINE AT 17
LH4	HORIZONTAL LINE AT 41
LH5	HORIZONTAL LINE AT 44
LH6	HORIZONTAL LINE AT 47
LH7	HORIZONTAL LINE AT 71
LH8	HORIZONTAL LINE AT 74
LH9	HORIZONTAL LINE AT 77
LV1	VERTICAL LINE AT 11
LV2	VERTICAL LINE AT 12
LV3	VERTICAL LINE AT 13
LV4	VERTICAL LINE AT 21
LV5	VERTICAL LINE AT 22
LV6	VERTICAL LINE AT 23
LV7	VERTICAL LINE AT 31
LV8	VERTICAL LINE AT 32
LV9	VERTICAL LINE AT 33
LDL	DIAGONAL LINE FROM LEFT TOP
LDR	DIAGONAL LINE FROM RIGHT TOP
LXX	OTHER

VARIOUS

T	TIME / COLOUR
---	---------------

VT1	MORNING
-----	---------

VT2	NOON
-----	------

VT3	AFTERNOON
-----	-----------

VT4	EVENING
-----	---------

VT5	NIGHT
-----	-------

VT6	SPRING
-----	--------

VT7	SUMMER
-----	--------

VT8	AUTUMN
-----	--------

VT9	WINTER
-----	--------

VTA	WHITE
-----	-------

VTB	BLACK
-----	-------

VTC	RED
-----	-----

VTD	GREEN
-----	-------

VTE	BLUE
-----	------

VTF	YELLOW
-----	--------

VTG	MAGENTA
-----	---------

VTH	PURPLE
-----	--------

VTI	PINK
-----	------

VTJ	CYAN
-----	------

VTK	LIGHT
-----	-------

VTL	DARK
-----	------

VTM	
-----	--

VTN	
-----	--

VTO	
-----	--

VTP	
-----	--

VTQ	
-----	--

VTR	
-----	--

VTS	
-----	--

VTT	
-----	--

VTU	
-----	--

VTV	
-----	--

VTW	
-----	--

VTX	OTHER
-----	-------

VARIOUS

C BATTERY / CONSUMPTION MATERIAL

VC1 NICD BATTERY
VC2 NIMH BATTERY
VC3 LITHIUM-ION BATTERY
VC4 LITHIUM BATTERY
VC5 ALKALINE BATTERY
VC6 ZINC-AIR BATTERY
VC7 MERCURY BATTERY
VC8 PB BATTERY
VC9 PRODUCT SPECIFIC BATTERY
VCA INK COLOUR
VCB INK BLACK
VCC TONER
VCD THERMAL TRANSFER FOIL
VCE THERMAL TRANSFER PAPER
VCF FILTER
VCG BAG
VCH BRUSH
VCI PAD
VCJ BLADE
VCK LAMP
VCL FOIL
VCM
VCN
VCO
VCP
VCQ
VCR
VCS
VCT
VCU
VCV
VCW
VCX OTHER

VARIOUS

P PHYSICAL ENVIRONMENT

VP1	EXTREME HEAT
VP2	EXTREME COLD
VP3	EXTREME HUMIDITY
VP4	EXTREME DRY
VP5	HIGH PRESSURE
VP6	LOW PRESSURE
VP7	HIGH SPEED
VP8	LOW SPEED
VP9	AT HIGH POWER / VOLTAGE
VPB	AT LOW POWER / VOLTAGE
VPC	HIGH NOISE LEVEL
VPE	LOW NOISE LEVEL
VPF	SILENCE
VPG	MUSIC
VPH	SPEECH
VPI	SMALL ROOM
VPJ	LARGE ROOM
VPK	DIRTY ENVIRONMENT
VPL	CLEAN ENVIRONMENT
VPM	SMOKED ENVIRONMENT
VPN	ORIGINAL PACKING
VPO	FOREIGN PACKING
VPP	FULL
VPQ	EMPTY
VPR	FILLING 10% - 30%
VPS	FILLING 40% - 60%
VPT	FILLING 70% - 90%
VPU	USED IN STONE HOUSE / WALL
VPV	USED IN WOODEN HOUSE / WALL
VPW	
VPY	
VPZ	
VPX	OTHER

VARIOUS

S	SITUATION
VS1	INSIDE
VS2	OUTSIDE
VS3	AT THE BEACH
VS4	IN THE MOUNTAINS
VS5	UNDER WATER
VS6	IN AN AIRPLANE
VS7	ON A BOAT
VS8	IN A TRAIN
VS9	IN A CAR
VSA	ON A (MOTOR)BIKE
VSB	USED IN FOREIGN COUNTRY
VSC	AT THE BEGINNING
VSD	AT THE END
VSE	WHILE DRIVING
VSF	WHILE WALKING
VSG	WHEN NOT MOVING
VSH	WHEN OPEN
VSI	WHEN CLOSED
VSJ	EXCESSIVE USING
VSK	LOW / RARE USING
VSL	PROFESSIONAL USING
VSM	UNUSED
VSN	UNPACKED
VSO	PROBLEM WITH SELF-RECORDED
VSP	PROBLEM WITH PRE-RECORDED
VSQ	PROBLEM WITH AUTO START
VSR	PROBLEM WITH MANUAL START
VSS	AFTER SETUP / INSTALLATION
VST	AT REMOTE OPERATION
VSU	AFTER CLEANING
VSV	DOWNLOAD
VSW	UPLOAD
VSX	OTHER

VARIOUS

F	FREE TEXT INPUT
VF1	ERROR CODE
VF2	OPERATION TIME
VF3	INSTALLATION DATE
VF4	SOFTWARE VERSION
VF5	PRODUCTION DATE / CODE
VF6	CHANNEL
VF7	FREQUENCY
VF8	SPECIFIC MEDIUM TYPE
VF9	RELATED KEY
VFA	COMPONENTS ID NUMBER
VFB	MODIFICATION TYPE
VFC	RELATED MENU ITEM
VFD	RELATED OPERATION / MODE
VFE	CAR VEHICLE ID
VFF	MILEAGE / KILOMETRE COUNT
VFG	OPERATING DISTANCE
VFH	VALUE / LEVEL OF SETTING
VFI	VOLTAGE
VFJ	CONSUMPTION
VFK	MEASUREMENTS / DIMENSIONS
VFL	VOLUME / CAPACITY
VFM	PAGE NUMBER
VFN	
VFO	
VFP	
VFQ	
VFR	
VFS	
VFT	
VFU	
VFV	
VFW	
VFX	OTHER

NOTICE: USE OF EXTENDED IRIS CODES IS OPTIONAL AND DEPENDS ON COMPANY REQUIREMENTS.

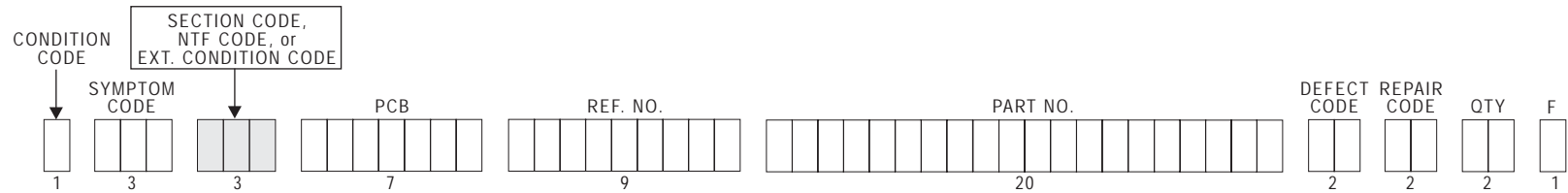
BASIC PRINCIPLE OF EXTENDED IRIS CODES

1. BASIC USE

BASICALLY THE "SECTION CODE" FIELD CAN BE USED FREELY TO ENTER EITHER:

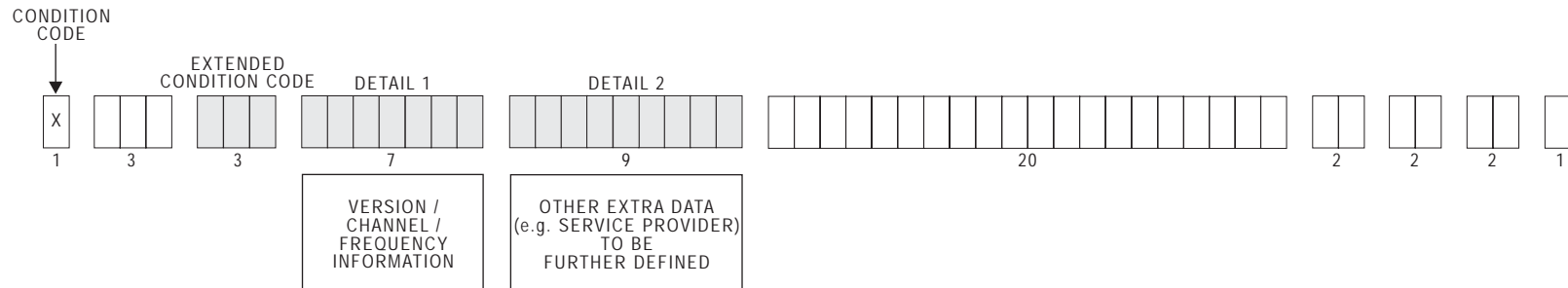
- "STANDARD" (TECHNICAL) IRIS SECTION CODES
- "NON-TECHNICAL FAILURE" (NTF) CODES
- SIMPLE THREE-BYTE EXTENDED CONDITION CODES

(DUE TO THEIR DIFFERENT BASIC STRUCTURE, COMMON CODES THAT MIGHT CREATE CONFUSION WILL NOT EXIST)



2. ADVANCED USE

A "STANDARD" IRIS LINE IN WHICH THE CONDITION CODE CONTAINS THE LETTER "X" IS CONVERTED INTO AN "EXTENDED" IRIS LINE.



BASIC SCREEN LOCATION MATRIX

BASIC MATRIX

10	20	30
40	50	60
70	80	90

DETAILED MATRIX

11	12	13	21	22	23	31	32	33
14	15	16	24	25	26	34	35	36
17	18	19	27	28	29	37	38	39
41	42	43	51	52	53	61	62	63
44	45	46	54	55	56	64	65	66
47	48	49	57	58	59	67	68	69
71	72	73	81	82	83	91	92	93
74	75	76	84	85	86	94	95	96
77	78	79	87	88	89	97	98	99

L10	TOP LEFT
L11	TOP LEFT 11
L12	TOP LEFT 12
L13	TOP LEFT 13
L14	TOP LEFT 14
L15	TOP LEFT 15
L16	TOP LEFT 16
L17	TOP LEFT 17
L18	TOP LEFT 18
L19	TOP LEFT 19

L30	TOP RIGHT
L31	TOP RIGHT 31
L32	TOP RIGHT 32
L33	TOP RIGHT 33
L34	TOP RIGHT 34
L35	TOP RIGHT 35
L36	TOP RIGHT 36
L37	TOP RIGHT 37
L38	TOP RIGHT 38
L39	TOP RIGHT 39

L50	CENTRE MIDDLE
L51	CENTRE MIDDLE 51
L52	CENTRE MIDDLE 52
L53	CENTRE MIDDLE 53
L54	CENTRE MIDDLE 54
L55	CENTRE MIDDLE 55
L56	CENTRE MIDDLE 56
L57	CENTRE MIDDLE 57
L58	CENTRE MIDDLE 58
L59	CENTRE MIDDLE 59

L70	BOTTOM LEFT
L71	BOTTOM LEFT 71
L72	BOTTOM LEFT 72
L73	BOTTOM LEFT 73
L74	BOTTOM LEFT 74
L75	BOTTOM LEFT 75
L76	BOTTOM LEFT 76
L77	BOTTOM LEFT 77
L78	BOTTOM LEFT 78
L79	BOTTOM LEFT 79

L90	BOTTOM RIGHT
L91	BOTTOM RIGHT 91
L92	BOTTOM RIGHT 92
L93	BOTTOM RIGHT 93
L94	BOTTOM RIGHT 94
L95	BOTTOM RIGHT 95
L96	BOTTOM RIGHT 96
L97	BOTTOM RIGHT 97
L98	BOTTOM RIGHT 98
L99	BOTTOM RIGHT 99

LH1	HORIZONTAL LINE AT 11
LH2	HORIZONTAL LINE AT 14
LH3	HORIZONTAL LINE AT 17
LH4	HORIZONTAL LINE AT 41
LH5	HORIZONTAL LINE AT 44
LH6	HORIZONTAL LINE AT 47
LH7	HORIZONTAL LINE AT 71
LH8	HORIZONTAL LINE AT 74
LH9	HORIZONTAL LINE AT 77

L20	TOP MIDDLE
L21	TOP MIDDLE 21
L22	TOP MIDDLE 22
L23	TOP MIDDLE 23
L24	TOP MIDDLE 24
L25	TOP MIDDLE 25
L26	TOP MIDDLE 26
L27	TOP MIDDLE 27
L28	TOP MIDDLE 28
L29	TOP MIDDLE 29

L40	CENTRE LEFT
L41	CENTRE LEFT 41
L42	CENTRE LEFT 42
L43	CENTRE LEFT 43
L44	CENTRE LEFT 44
L45	CENTRE LEFT 45
L46	CENTRE LEFT 46
L47	CENTRE LEFT 47
L48	CENTRE LEFT 48
L49	CENTRE LEFT 49

L60	CENTRE RIGHT
L61	CENTRE RIGHT 61
L62	CENTRE RIGHT 62
L63	CENTRE RIGHT 63
L64	CENTRE RIGHT 64
L65	CENTRE RIGHT 65
L66	CENTRE RIGHT 66
L67	CENTRE RIGHT 67
L68	CENTRE RIGHT 68
L69	CENTRE RIGHT 69

L80	BOTTOM MIDDLE
L81	BOTTOM MIDDLE 81
L82	BOTTOM MIDDLE 82
L83	BOTTOM MIDDLE 83
L84	BOTTOM MIDDLE 84
L85	BOTTOM MIDDLE 85
L86	BOTTOM MIDDLE 86
L87	BOTTOM MIDDLE 87
L88	BOTTOM MIDDLE 88
L89	BOTTOM MIDDLE 89

LV1	VERTICAL LINE AT 11
LV2	VERTICAL LINE AT 12
LV3	VERTICAL LINE AT 13
LV4	VERTICAL LINE AT 21
LV5	VERTICAL LINE AT 22
LV6	VERTICAL LINE AT 23
LV7	VERTICAL LINE AT 31
LV8	VERTICAL LINE AT 32
LV9	VERTICAL LINE AT 33

LDL	DIAGONAL LINE FROM LEFT TOP
LDR	DIAGONAL LINE FROM RIGHT TOP