

NavStar GPS Constellation’s 2019 GPS End of Week (EOW) Roll-Over Tests Results for Motorola’s Oncore Series of GPS Receivers

The NavStar GPS satellite system is about to undergo its second End of Week (EOW) rollover since its inception. Why does this happen? The GPS Week Number parameter is a ten-bit value embedded in the GPS Navigation Message ranging 0-1023, repeating every 1024 weeks. Week 0 started at 00:00:00 UTC on Sunday, the 6th of January 1980, so the week number “rolled over” from 1023 to 0 at 00:00:00 UTC (mid-night) on Sunday, August 22, 1999. This week number roll- over will occur again on the 6th of April 2019 and again on November 20, 2038. Detailed information is here: https://ics-cert.us-cert.gov/sites/default/files/documents/Memorandum_on_GPS_2019.pdf

The End of Week (EOW Roll-Over Testing Project was designed to test Motorola Oncore OEM GPS receiver boards shipped from Motorola and distributed by Synergy from 1992 to 2006.

Motorola either did not test, or did not disseminate test results for, any of the PVT-6, Basic, VP, UT\UT+, GT\GT+ or M12\M12+ receivers for the April 2019 GPS End of Week roll-over. It was therefore essential to test as many Motorola Oncore receivers, representing each type of GPS receiver released during this period, as possible.

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MOTOROLA VP GPS RECEIVERS

The following tests show the results of the April 6, 2019 GPS End of Week (EOW) Roll-Over simulation tests of GPS receivers based on the Motorola VP Oncore GPS receiver boards.

VP B1221Z1112S /N R08ZT4 6 channel - The hand-written label on the hardware says “6CH VP OPT 1BC S/N SSG0065092 NAI”

COPYRIGHT 1991-1995 MOTOROLA INC. SFTW P/N # 98-P39972M
SOFTWARE VER # 8
SOFTWARE REV # 1
SOFTWARE DATE 08 MAR 1995
MODEL # B1221Z1112
HDWR P/N # _
SERIAL # SSG0065092
MANUFACTUR DATE 436AMA160
OPTIONS LIST IBC

4/6/19 23:59:50.000243275
4/6/19 23:59:51.000256716
4/6/19 23:59:52.000270156
4/6/19 23:59:53.000283597
4/6/19 23:59:54.000297035
4/6/19 23:59:55.000310472
4/6/19 23:59:56.000323913
4/6/19 23:59:57.000337348
4/6/19 23:59:58.000350789
4/6/19 23:59:59.000364229
4/7/19 00:00:00.000377667
4/7/19 00:00:01.000391108
4/7/19 00:00:02.000404540
4/7/19 00:00:03.000417985
4/7/19 00:00:04.000431422
4/7/19 00:00:05.000444861
4/7/19 00:00:06.000458304
4/7/19 00:00:07.000471742
4/7/19 00:00:08.000485181
4/7/19 00:00:09.000498619
4/7/19 00:00:10.000512059

This GPS receiver will operate correctly through the April 6, 2019 GPS week rollover

VP B8121Z1156

The label on the hardware says “B812Z1156, SSG0281223, OPT: IBC, 8E01” - This receiver took a long time to download a valid almanac. When it finally did, the date and time was OK. After that, the test was re-run, and all was good.

COPYRIGHT 1991-1997 MOTOROLA INC. SFTW P/N # 98-P36830P
SOFTWARE VER # 10
SOFTWARE REV # 0
SOFTWARE DATE 24 Sep 1997
MODEL # B8121Z1156
HDWR P/N # _
SERIAL # SSG0281223
MANUFACTUR DATE 8E01
OPTIONS LIST IBC

4/6/19 23:59:50.000153900
4/6/19 23:59:51.000167463
4/6/19 23:59:52.000181028
4/6/19 23:59:53.000194593
4/6/19 23:59:54.000208158
4/6/19 23:59:55.000221724
4/6/19 23:59:56.000235290
4/6/19 23:59:55.000221724
4/6/19 23:59:57.000248855
4/6/19 23:59:58.000262420
4/6/19 23:59:59.000275981
4/7/19 00:00:00.000289541
4/7/19 00:00:01.000303103
4/7/19 00:00:02.000316661
4/7/19 00:00:03.000330225
4/7/19 00:00:04.000343786
4/7/19 00:00:05.000357348
4/7/19 00:00:06.000370913
4/7/19 00:00:07.000384477
4/7/19 00:00:08.000398043
4/7/19 00:00:09.000411612
4/7/19 00:00:10.000425178

This GPS receiver will operate correctly through the April 6, 2019 GPS week rollover event.

VP B8221Z1116 S/N E00YYE

The label on the hardware says "MN: B8221Z1116, SN: E00YYE, 10/01/99"

COPYRIGHT 1991-1997 MOTOROLA INC.

SFTW P/N # 98-P36830P

SOFTWARE VER # 10

SOFTWARE REV # 0

SOFTWARE DATE 24 Sep 1997

MODEL #B8221Z1116

HDWR P/N # _

SERIAL # E00YYE

MANUFACTUR DATE 9K01

OPTIONS LIST IBC

4/6/19 23:59:50.000866970

4/6/19 23:59:51.000880830

4/6/19 23:59:52.000894688

4/6/19 23:59:53.000908545

4/6/19 23:59:54.000922403

4/6/19 23:59:55.000936259

4/6/19 23:59:56.000950118

4/6/19 23:59:57.000963976

4/6/19 23:59:58.000977834

4/6/19 23:59:59.000991695

4/7/19 00:00:00.000005556

4/7/19 00:00:01.000019402

4/7/19 00:00:02.000033260

4/7/19 00:00:03.000047122

4/7/19 00:00:04.000060982

4/7/19 00:00:05.000074842

4/7/19 00:00:06.000088705

4/7/19 00:00:07.000102568

4/7/19 00:00:08.000116433

4/7/19 00:00:09.000130295

4/7/19 00:00:10.000144157

This GPS receiver will operate correctly through the April 6, 2019 GPS week rollover event.

VP B8221Z1116 S/N E001ET

The label on the hardware says "MN: B8221Z1116, SN: E001ET, 11/06/98"

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SFTW P/N # 98-P36830P

SOFTWARE VER # 10

SOFTWARE REV # 0

SOFTWARE DATE 24 Sep 1997

MODEL #B8221Z1116

HDWR P/N # _

SERIAL # E001ET

MANUFACTUR DATE 8L06

OPTIONS LIST IBC

4/6/19 23:59:50.000622132

4/6/19 23:59:51.000635671

4/6/19 23:59:52.000649211

4/6/19 23:59:53.000662749

4/6/19 23:59:54.000676288

4/6/19 23:59:55.000689827

4/6/19 23:59:56.000703366

4/6/19 23:59:57.000716907

4/6/19 23:59:58.000730449

4/6/19 23:59:59.000743990

4/7/19 00:00:00.000757530

4/7/19 00:00:01.000771072

4/7/19 00:00:02.000784616

4/7/19 00:00:03.000798160

4/7/19 00:00:04.000811703

4/7/19 00:00:05.000825246

4/7/19 00:00:06.000838793

4/7/19 00:00:07.000852337

4/7/19 00:00:08.000865882

4/7/19 00:00:09.000879425

4/7/19 00:00:10.000892966

This GPS receiver will operate correctly through the April 6, 2019 GPS week rollover event.

VP B8221Z1116 S/N E004UA

The label on the hardware says “MN: B8221Z1116, SN: E004UA, 12/08/98”

COPYRIGHT 1991-1997 MOTOROLA INC.

SFTW P/N # 98-P36830P

SOFTWARE VER # 10

SOFTWARE REV # 0

SOFTWARE DATE 24 Sep 1997

MODEL #B8221Z1116

HDWR P/N # _

SERIAL # E004UA

MANUFACTUR DATE 8M08

OPTIONS LIST IBC

4/6/19 23:59:50.000780988

4/6/19 23:59:51.000796272

4/6/19 23:59:52.000811556

4/6/19 23:59:53.000826840

4/6/19 23:59:54.000842124

4/6/19 23:59:55.000857411

4/6/19 23:59:56.000872696

4/6/19 23:59:57.000887982

4/6/19 23:59:58.000903267

4/6/19 23:59:59.000918553

4/7/19 00:00:00.000933840

4/7/19 00:00:01.000949127

4/7/19 00:00:02.000964413

4/7/19 00:00:03.000979701

4/7/19 00:00:04.000994990

4/7/19 00:00:05.00010280

4/7/19 00:00:06.000025554

4/7/19 00:00:07.000040845

4/7/19 00:00:08.000056134

4/7/19 00:00:09.000071422

4/7/19 00:00:10.000086710

This GPS receiver will operate correctly through the April 6, 2019 GPS week rollover event.

MOTOROLA GT and GT+ GPS RECEIVERS

The following tests show the results of the April 2019 week rollover simulation tests of GPS receivers based on the Motorola GT GPS modules.

GT R1121N1114 S/N R00150

The label on the hardware says "MN: R1121N1111, SN: R00150, 08/09/96". There is a label attached from Motorola that says "Model R1121N1114, Part No. FIRMWARE VER 1.6, Date 3/97". This unit was upgraded after original manufacture.

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SFTW P/N # 98-P36847P

SOFTWARE VER # 1

SOFTWARE REV # 6 S

SOFTWARE DATE FEB 22 1997

MODEL # R1121N1114

HWDR P/N # 1

SERIAL # R00150

MANUFACTUR DATE 6H09

8/21/99	23:59:50.000505912
8/21/99	23:59:51.000555275
8/21/99	23:59:52.000604639
8/21/99	23:59:53.000654003
8/21/99	23:59:54.000703366
8/21/99	23:59:55.000752729
8/21/99	23:59:56.000802093
8/21/99	23:59:57.000851457
8/21/99	23:59:58.000900822
8/21/99	23:59:59.000950185
8/22/99	00:00:00.000999547
8/22/99	00:00:01.000048911
8/22/99	00:00:02.000098227
8/22/99	00:00:03.000147590
8/22/99	00:00:04.000196953
8/22/99	00:00:05.000246317
8/22/99	00:00:06.000295680
8/22/99	00:00:07.000345044
8/22/99	00:00:08.000394408
8/22/99	00:00:09.000443772
8/22/99	00:00:10.000493135

This GPS receiver has already rolled over. The GPS week rollover event will not cause any further changes.

GT+ R3211G1111 S/N R01V49

The label on the hardware says "MN: R3211G1111, SN: R01V49, 01/08/98". Hand written note says, "GT+ V2.01".

COPYRIGHT 1991-1997 MOTOROLA INC. SFTW P/N # 98-P36847P
SOFTWARE VER # 2
SOFTWARE REV # 01 S
SOFTWARE DATE DEC 08 1997
MODEL # R3211G1111
HWDR P/N # 3
SERIAL # R01V49
MANUFACTUR DATE 8A08

8/21/99	23:59:50.000736628
8/21/99	23:59:51.000789123
8/21/99	23:59:52.000841620
8/21/99	23:59:53.000894116
8/21/99	23:59:54.000946612
8/21/99	23:59:55.000999109
8/21/99	23:59:56.000051554
8/21/99	23:59:57.000104051
8/21/99	23:59:58.000156548
8/21/99	23:59:59.000209047
8/22/99	00:00:00.000261545
8/22/99	00:00:01.000314044
8/22/99	00:00:02.000366543
8/22/99	00:00:03.000419042
8/22/99	00:00:04.000471542
8/22/99	00:00:05.000524042
8/22/99	00:00:06.000576542
8/22/99	00:00:07.000629043
8/22/99	00:00:08.000681545
8/22/99	00:00:09.000734046
8/22/99	00:00:10.000786548

This GPS receiver has already rolled over. The GPS week rollover event will not cause any further changes.

GT+ R1221N1112 S/N R0066E

The label on the hardware says “MN: R1221N1112, SN: R0066E, 11/01/96”. Hand written note says, “GT V1.3”.

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SFTW P/N # 98-P36847P

SOFTWARE VER # 1

SOFTWARE REV # 3

SOFTWARE DATE SEP 12 1996

MODEL # R1221N1112

HWDR P/N # 1

SERIAL # R0066E

MANUFACTUR DATE 6L01

8/21/99	23:59:50.000720017
8/21/99	23:59:51.000772882
8/21/99	23:59:52.000825748
8/21/99	23:59:53.000878614
8/21/99	23:59:54.000931481
8/21/99	23:59:55.000984348
8/21/99	23:59:56.000037216
8/21/99	23:59:57.000090031
8/21/99	23:59:58.000142900
8/21/99	23:59:59.000195769
8/22/99	00:00:00.000248637
8/22/99	00:00:01.000301507
8/22/99	00:00:02.000354377
8/22/99	00:00:03.000407248
8/22/99	00:00:04.000460118
8/22/99	00:00:05.000512989
8/22/99	00:00:06.000565860
8/22/99	00:00:07.000618731
8/22/99	00:00:08.000671603
8/22/99	00:00:09.000724475
8/22/99	00:00:10.000777347

This GPS receiver has already rolled over. The GPS week rollover event will not cause any further changes.

MOTOROLA UT and UT+ GPS RECEIVERS**UT+ R1221A1111 S/N R007ME**

The label on the hardware says “MN: R1221A1111, SN: R007ME, 12/03/96”.

COPYRIGHT 1991-1996 MOTOROLA INC.

SFTW P/N # 98-P36848P

SOFTWARE VER # 1

SOFTWARE REV # 3

SOFTWARE DATE SEP 12 1996

MODEL # R1221A1111

HWDR P/N # 1

SERIAL # R007ME

MANUFACTUR DATE 6M03

8/21/99	23:59:50.000268926
8/21/99	23:59:51.000323005
8/21/99	23:59:52.000377085
8/21/99	23:59:53.000431165
8/21/99	23:59:54.000485245
8/21/99	23:59:55.000539325
8/21/99	23:59:56.000593405
8/21/99	23:59:57.000647486
8/21/99	23:59:58.000701568
8/21/99	23:59:59.000755649
8/22/99	00:00:00.000809730
8/22/99	00:00:01.000863812
8/22/99	00:00:02.000917894
8/22/99	00:00:03.000971977
8/22/99	00:00:04.000026059
8/22/99	00:00:05.000080088
8/22/99	00:00:06.000134171
8/22/99	00:00:07.000188254
8/22/99	00:00:08.000242337
8/22/99	00:00:09.000296421
8/22/99	00:00:10.000350504

This GPS receiver has already rolled over. The GPS week rollover event will not cause any further changes.

UT+ R5222U1114 V3.2 S/N R08ZT4 (UPGRADED BY SYNERGY)

The label on the hardware says "MN: R5222U1114, SN: R08ZT4, 07/06/00".

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SFTW P/N # 98-P36848P

SOFTWARE VER # 3

SOFTWARE REV # 2

SOFTWARE DATE Aug 23 2000

MODEL # R5222U1R14

HWDR P/N # 5

SERIAL # R08ZT4

MANUFACTUR DATE 0G06

4/6/19 23:59:50.000675860
4/6/19 23:59:51.000735066
4/6/19 23:59:52.000794271
4/6/19 23:59:53.000853478
4/6/19 23:59:54.000912684
4/6/19 23:59:55.000971890
4/6/19 23:59:56.000031037
4/6/19 23:59:57.000090244
4/6/19 23:59:58.000149451
4/6/19 23:59:59.000208657
4/7/19 00:00:00.000267864
4/7/19 00:00:01.000327071
4/7/19 00:00:02.000386278
4/7/19 00:00:03.000445485
4/7/19 00:00:04.000504692
4/7/19 00:00:05.000563900
4/7/19 00:00:06.000623107
4/7/19 00:00:07.000682315
4/7/19 00:00:08.000741523
4/7/19 00:00:09.000800731
4/7/19 00:00:10.000859939

This GPS receiver will operate correctly through the GPS week rollover event.

UT+ R5222U1113 V3.0 S/N R06MKO4

The label on the hardware says "MN: R5222U1113, SN: R06MKO4, 10/22/99" Hand written note ". This receiver took a long time to get a valid almanac. When it finally did, the date and time was OK. After that, the test was re-run.

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SFTW P/N # 98-P36848P

SOFTWARE VER # 3

SOFTWARE REV # 0

SOFTWARE DATE DEC 18 1998

MODEL #R5222U1113

HWDR P/N # 5

SERIAL # R06MKO

MANUFACTUR DATE 9K22

4/6/19 23:59:50.000879540

4/6/19 23:59:51.000936653

4/6/19 23:59:52.000993765

4/6/19 23:59:53.000050821

4/6/19 23:59:54.000107934

4/6/19 23:59:55.000165047

4/6/19 23:59:56.000222160

4/6/19 23:59:57.000279273

4/6/19 23:59:58.000336387

4/6/19 23:59:59.000393500

4/7/19 00:00:00.000450614

4/7/19 00:00:01.000507728

4/7/19 00:00:02.000564842

4/7/19 00:00:03.000621956

4/7/19 00:00:04.000679071

4/7/19 00:00:05.000736185

4/7/19 00:00:06.000793299

4/7/19 00:00:07.000850413

4/7/19 00:00:08.000907528

4/7/19 00:00:09.000964643

4/7/19 00:00:10.000021700

This GPS receiver will operate correctly through the GPS week rollover event.

UT+ R5122U1112 S/N R085NF

Hardware label says "MN: R5122U1112, SN: R085NF, 04/19/00". Hand written note "2.2 UT+".

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SFTW P/N # 98-P36848P

SOFTWARE VER # 2

SOFTWARE REV # 2

SOFTWARE DATE APR 24 1998

MODEL #R5122U1112

HWDR P/N # 5

SERIAL # R085NF

MANUFACTUR DATE 0D19

8/21/99 23:59:50.000689950

8/21/99 23:59:51.000741130

8/21/99 23:59:52.000792311

8/21/99 23:59:53.000843492

8/21/99 23:59:54.000894673

8/21/99 23:59:55.000945854

8/21/99 23:59:56.000997035

8/21/99 23:59:57.000048166

8/21/99 23:59:58.000099348

8/21/99 23:59:59.000150529

8/22/99 00:00:00.000201712

8/22/99 00:00:01.000252894

8/22/99 00:00:02.000304077

8/22/99 00:00:03.000355260

8/22/99 00:00:04.000406442

8/22/99 00:00:05.000457626

8/22/99 00:00:06.000508809

8/22/99 00:00:07.000559992

8/22/99 00:00:08.000611176

8/22/99 00:00:09.000662359

8/22/99 00:00:10.000713543

This GPS receiver has already rolled over. The GPS week rollover event will not cause any further changes.

UT R1121A1111 S/N R0036S

The hardware label “MN: R1121A1111, SN: R0036S, 09/18/96”. Other labels “DEMO UT V1.3” and “Synergy Systems DEMO INVENTORY S/N 028”.

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SFTW P/N # 98-P36848P

SOFTWARE VER # 1

SOFTWARE REV # 3

SOFTWARE DATE SEP 12 1996

MODEL #R1121A1111

HWDR P/N # 1

SERIAL # R0036S

MANUFACTUR DATE 6J18

8/21/99 23:59:50.000984765
 8/21/99 23:59:51.000036697
 8/21/99 23:59:52.000088576
 8/21/99 23:59:53.000140507
 8/21/99 23:59:54.000192438
 8/21/99 23:59:55.000244370
 8/21/99 23:59:56.000296301
 8/21/99 23:59:57.000348232
 8/21/99 23:59:58.000400164
 8/21/99 23:59:59.000452095
 8/22/99 00:00:00.000504027
 8/22/99 00:00:01.000555958
 8/22/99 00:00:02.000607889
 8/22/99 00:00:03.000659821
 8/22/99 00:00:04.000711752
 8/22/99 00:00:05.000763683
 8/22/99 00:00:06.000815614
 8/22/99 00:00:07.000867546
 8/22/99 00:00:08.000919478
 8/22/99 00:00:09.000971409
 8/22/99 00:00:10.000023341

This GPS receiver has already rolled over. The GPS week rollover event will not cause any further changes.

MOTOROLA M12 Series GPS RECEIVERS

The following tests show the results of the April 6, 2019 week rollover simulation tests of GPS receivers based on the Motorola M12+ OEM GPS boards.

M12+ P273T12T17 S/N POB47I

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SFTW P/N # 61-G10268A

SOFTWARE VER # 2

SOFTWARE REV # 2

SOFTWARE DATE APR 28 2004

MODEL # P273T12T17

HWDR P/N # 2

SERIAL # POB47I

MANUFACTUR DATE 4K05

4/6/19 23:59:50.000558249

4/6/19 23:59:51.000607763

4/6/19 23:59:52.000657276

4/6/19 23:59:53.000706790

4/6/19 23:59:54.000756303

4/6/19 23:59:55.000805816

4/6/19 23:59:56.000855329

4/6/19 23:59:57.000904842

4/6/19 23:59:58.000954355

4/6/19 23:59:59.000003819

4/7/19 00:00:00.000053334

4/7/19 00:00:01.000102851

4/7/19 00:00:02.000152368

4/7/19 00:00:03.000201885

4/7/19 00:00:04.000251400

4/7/19 00:00:05.000300915

4/7/19 00:00:06.000350429

4/7/19 00:00:07.000399941

4/7/19 00:00:08.000449454

4/7/19 00:00:09.000498966

4/7/19 00:00:10.000548478

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T12N16 S/N P09STP

COPYRIGHT 1991-2004 MOTOROLA INC.

SFTW P/N # 61-G10002A

SOFTWARE VER # 1

SOFTWARE REV # 9

SOFTWARE DATE MAY 4 2004

MODEL # P283T12N16

HWDR P/N # 2

SERIAL # P09STP

4/6/19 23:59:50.000243291

4/6/19 23:59:51.000300112

4/6/19 23:59:52.000356934

4/6/19 23:59:53.000413755

4/6/19 23:59:54.000470578

4/6/19 23:59:55.000527399

4/6/19 23:59:56.000584220

4/6/19 23:59:57.000641041

4/6/19 23:59:58.000697862

4/6/19 23:59:59.000754684

4/7/19 00:00:00.000811505

4/7/19 00:00:01.000868328

4/7/19 00:00:02.000925151

4/7/19 00:00:03.000981975

4/7/19 00:00:04.000038742

4/7/19 00:00:05.000095567

4/7/19 00:00:06.000152393

4/7/19 00:00:07.000209220

4/7/19 00:00:08.000266049

4/7/19 00:00:09.000322878

4/7/19 00:00:10.000379708

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12NR5 S/N P032Y3

The label on the hardware says “MN: P273T12N15, SN: P032Y3, 07/14/2002”.

SFTW P/N # 61-G10268A
SOFTWARE VER # 1
SOFTWARE REV # 0
SOFTWARE DATE JUN 28 2002
MODEL #P273T12NR5
HWDR P/N # 2
SERIAL # P032Y3
MANUFACTUR DATE 2G14

4/6/19 23:59:50.000255889
4/6/19 23:59:51.000315339
4/6/19 23:59:52.000374789
4/6/19 23:59:53.000434239
4/6/19 23:59:54.000493689
4/6/19 23:59:55.000553138
4/6/19 23:59:56.000612587
4/6/19 23:59:57.000672035
4/6/19 23:59:58.000731483
4/6/19 23:59:59.000790931
4/7/19 00:00:00.000850380
4/7/19 00:00:01.000909829
4/7/19 00:00:02.000969280
4/7/19 00:00:03.000028671
4/7/19 00:00:04.000088122
4/7/19 00:00:05.000147574
4/7/19 00:00:06.000207026
4/7/19 00:00:07.000266479
4/7/19 00:00:08.000325935
4/7/19 00:00:09.000385392
4/7/19 00:00:10.000444848

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12NR5 S/N P032FG

The label on the hardware says “MN: P273T12N15, SN: P032FG, 07/14/2002”.

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SFTW P/N # 61-G10268A

SOFTWARE VER # 1

SOFTWARE REV # 0

SOFTWARE DATE JUN 28 2002

MODEL #P273T12NR5

HWDR P/N # 2

SERIAL # P032FG

MANUFACTUR DATE 2G14

4/6/19 23:59:50.000477131

4/6/19 23:59:51.000552104

4/6/19 23:59:52.000627077

4/6/19 23:59:53.000702050

4/6/19 23:59:54.000777023

4/6/19 23:59:55.000851996

4/6/19 23:59:56.000926969

4/6/19 23:59:57.000001868

4/6/19 23:59:58.000076841

4/6/19 23:59:59.000151813

4/7/19 00:00:00.000226787

4/7/19 00:00:01.000301760

4/7/19 00:00:02.000376733

4/7/19 00:00:03.000451706

4/7/19 00:00:04.000526679

4/7/19 00:00:05.000601652

4/7/19 00:00:06.000676625

4/7/19 00:00:07.000751598

4/7/19 00:00:08.000826571

4/7/19 00:00:09.000901544

4/7/19 00:00:10.000976517

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T12T17 S/N PODM1Y

The label on the hardware says, "Synergy Systems M12+ w/Battery on Adapter Bd., P/N 10001487, V2.2, S/N PODM1Y".

COPYRIGHT 1991-2004 MOTOROLA INC.

SFTW P/N # 61-G10268A

SOFTWARE VER # 2

SOFTWARE REV # 2

SOFTWARE DATE APR 28 2004

MODEL #P283T12T17

HWDR P/N # 2

SERIAL # PODM1Y

MANUFACTUR DATE 5H03

4/6/1923:59:50.000123140
4/6/19 23:59:51.000179997
4/6/19 23:59:52.000236854
4/6/19 23:59:53.000293712
4/6/19 23:59:54.000350568
4/6/19 23:59:55.000407425
4/6/19 23:59:56.000464283
4/6/19 23:59:57.000521140
4/6/19 23:59:58.000577998
4/6/19 23:59:59.000634856
4/7/19 00:00:00.000691714
4/7/19 00:00:01.000748572
4/7/19 00:00:02.000805430
4/7/19 00:00:03.000862290
4/7/19 00:00:04.000919149
4/7/19 00:00:05.000976009
4/7/19 00:00:06.000032812
4/7/19 00:00:07.000089672
4/7/19 00:00:08.000146533
4/7/19 00:00:09.000203395
4/7/19 00:00:10.000260256

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P373T12TR9 S/N P032FG

The label on the hardware says “MN: [cannot read on label], SN: POBKTV, 11/09/2004”.

COPYRIGHT 1991-2005 MOTOROLA INC.

SFTW P/N # 61-G10628A

SOFTWARE VER # 1

SOFTWARE REV # 0X6

SOFTWARE DATE FEB 16 2005

MODEL # P373T12TR9

HWDR P/N # 3

SERIAL # POBKTV

MANUFACTUR DATE 4L09

4/6/19 23:59:50.000304027
4/6/19 23:59:51.000365904
4/6/19 23:59:52.000427779
4/6/19 23:59:53.000489655
4/6/19 23:59:54.000551533
4/6/19 23:59:55.000613408
4/6/19 23:59:56.000675287
4/6/19 23:59:57.000737163
4/6/19 23:59:58.000799039
4/6/19 23:59:59.000860913
4/7/19 00:00:00.000922789
4/7/19 00:00:01.000984665
4/7/19 00:00:02.000046480
4/7/19 00:00:03.000108355
4/7/19 00:00:04.000170231
4/7/19 00:00:05.000232106
4/7/19 00:00:06.000293984
4/7/19 00:00:07.000355860
4/7/19 00:00:08.000417735
4/7/19 00:00:09.000479612
4/7/19 00:00:10.000541487
4/7/19 00:00:10.000541487

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T12NR5 S/N P09STP

The label on the hardware says “MN: P283T12N15, SN: P030UT, 07/13/2002”.

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SFTW P/N # 61-G10268A
SOFTWARE VER # 2
SOFTWARE REV # 0
SOFTWARE DATE AUG 14 2002
MODEL # P283T12NR5
HWDR P/N # 2
SERIAL # P030UT
MANUFACTUR DATE 2G13

4/6/19 23:59:50.000909957
4/6/19 23:59:51.000965449
4/6/19 23:59:52.000020885
4/6/19 23:59:53.000076377
4/6/19 23:59:54.000131868
4/6/19 23:59:55.000187361
4/6/19 23:59:56.000242854
4/6/19 23:59:57.000298347
4/6/19 23:59:58.000353841
4/6/19 23:59:59.000409337
4/7/19 00:00:00.000464832
4/7/19 00:00:01.000520327
4/7/19 00:00:02.000575822
4/7/19 00:00:03.000631317
4/7/19 00:00:04.000686813
4/7/19 00:00:05.000742310
4/7/19 00:00:06.000797807
4/7/19 00:00:07.000853304
4/7/19 00:00:08.000908802
4/7/19 00:00:09.000964299
4/7/19 00:00:10.000019742

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12NR4 S/N P01P9H

The label on the hardware says “MN: P273T12N14, SN: P01P9H, 04/15/2002”.

COPYRIGHT 1991-2002 MOTOROLA INC.

SFTW P/N # 61-G10268A

SOFTWARE VER # 1

SOFTWARE REV # 0

SOFTWARE DATE JUN 28 2002

MODEL #P273T12NR4

HWDR P/N # 2

SERIAL # P01P9H

MANUFACTUR DATE 2D15

4/6/19 23:59:50.000582346

4/6/19 23:59:51.000639977

4/6/19 23:59:52.000697610

4/6/19 23:59:53.000755243

4/6/19 23:59:54.000812876

4/6/19 23:59:55.000870509

4/6/19 23:59:56.000928142

4/6/19 23:59:57.000985778

4/6/19 23:59:58.000043357

4/6/19 23:59:59.000100994

4/7/19 00:00:00.000158631

4/7/19 00:00:01.000216268

4/7/19 00:00:02.000273906

4/7/19 00:00:03.000331544

4/7/19 00:00:04.000389179

4/7/19 00:00:05.000446813

4/7/19 00:00:06.000504447

4/7/19 00:00:07.000562079

4/7/19 00:00:08.000619712

4/7/19 00:00:09.000677346

4/7/19 00:00:10.000734978

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12NR4 S/N P01MOR

The label on the hardware says “MN: P273T12N14, SN: P01MOR, 03/27/2002”.

COPYRIGHT 1991-2002 MOTOROLA INC.

SFTW P/N # 61-G10268A

SOFTWARE VER # 1

SOFTWARE REV # 0

SOFTWARE DATE JUN 28 2002

MODEL #P273T12NR4

HWDR P/N # 2

SERIAL # P01MOR

MANUFACTUR DATE 2C27

- 4/6/19 23:59:50.000964630
- 4/6/19 23:59:51.000024059
- 4/6/19 23:59:52.000083549
- 4/6/19 23:59:53.000143040
- 4/6/19 23:59:54.000202528
- 4/6/19 23:59:55.000262015
- 4/6/19 23:59:56.000321501
- 4/6/19 23:59:57.000380984
- 4/6/19 23:59:58.000440466
- 4/6/19 23:59:59.000499947
- 4/7/19 00:00:00.000559427
- 4/7/19 00:00:01.000618906
- 4/7/19 00:00:02.000678386
- 4/7/19 00:00:03.000737871
- 4/7/19 00:00:04.000797352
- 4/7/19 00:00:05.000856833
- 4/7/19 00:00:06.000916311
- 4/7/19 00:00:07.000975790
- 4/7/19 00:00:08.000035208
- 4/7/19 00:00:09.000094685
- 4/7/19 00:00:10.000154163

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12NR5 S/N P031SX

The label on the hardware says "MN: P273T12N15, SN: P031SX, 07/14/2002".

COPYRIGHT 1991-2002 MOTOROLA INC.

SFTW P/N # 61-G10268A

SOFTWARE VER # 2

SOFTWARE REV # 0

SOFTWARE DATE AUG 14 2002

MODEL # P273T12NR5

HWDR P/N # 2

SERIAL # P031SX

MANUFACTUR DATE 2G14

4/6/19 23:59:50.000315619
4/6/19 23:59:51.000370284
4/6/19 23:59:52.000424948
4/6/19 23:59:53.000479613
4/6/19 23:59:54.000534278
4/6/19 23:59:55.000588942
4/6/19 23:59:56.000643606
4/6/19 23:59:57.000698270
4/6/19 23:59:58.000752934
4/6/19 23:59:59.000807596
4/7/19 00:00:00.000862258
4/7/19 00:00:01.000916921
4/7/19 00:00:02.000971583
4/7/19 00:00:03.000026190
4/7/19 00:00:04.000080851
4/7/19 00:00:05.000135512
4/7/19 00:00:06.000190175
4/7/19 00:00:07.000244837
4/7/19 00:00:08.000299499
4/7/19 00:00:09.000354162
4/7/19 00:00:10.000408826

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T12NR5 S/N P030YF

The label on the hardware says “MN: P283T12N15, SN: P030YF, 07/13/2002”.

COPYRIGHT 1991-2002 MOTOROLA INC.

SFTW P/N # 61-G10268A

SOFTWARE VER # 2

SOFTWARE REV # 0

SOFTWARE DATE AUG 14 2002

MODEL # P283T12NR5

HWDR P/N # 2

SERIAL # P030YF

MANUFACTUR DATE 2G13

4/6/19 23:59:50.000655788

4/6/19 23:59:51.000711462

4/6/19 23:59:52.000767732

4/6/19 23:59:53.000823406

4/6/19 23:59:54.000879678

4/6/19 23:59:55.000935353

4/6/19 23:59:56.000991624

4/6/19 23:59:57.000047243

4/6/19 23:59:58.000103514

4/6/19 23:59:59.000159187

4/7/19 00:00:00.000215457

4/7/19 00:00:01.000271130

4/7/19 00:00:02.000327399

4/7/19 00:00:03.000383072

4/7/19 00:00:04.000439340

4/7/19 00:00:05.000495012

4/7/19 00:00:06.000551281

4/7/19 00:00:07.000606952

4/7/19 00:00:08.000663219

4/7/19 00:00:09.000718890

4/7/19 00:00:10.000775157

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T12NR5 S/N P030Z2

The label on the hardware says “MN: P283T12N15, SN: P030Z2, 07/13/2002”.

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SFTW P/N # 61-G10268A

SOFTWARE VER # 2

SOFTWARE REV # 0

SOFTWARE DATE AUG 14 2002

MODEL # P283T12NR5

HWDR P/N # 2

SERIAL # P030Z2

MANUFACTUR DATE 2G13

4/6/19 23:59:50.000439281
4/6/19 23:59:51.000497871
4/6/19 23:59:52.000556461
4/6/19 23:59:53.000615051
4/6/19 23:59:54.000673641
4/6/19 23:59:55.000732231
4/6/19 23:59:56.000790821
4/6/19 23:59:57.000849411
4/6/19 23:59:58.000908002
4/6/19 23:59:59.000966592
4/7/19 00:00:00.000025123
4/7/19 00:00:01.000083713
4/7/19 00:00:02.000142303
4/7/19 00:00:03.000200894
4/7/19 00:00:04.000259484
4/7/19 00:00:05.000318074
4/7/19 00:00:06.000376664
4/7/19 00:00:07.000435254
4/7/19 00:00:08.000493844
4/7/19 00:00:09.000552434
4/7/19 00:00:10.000611024

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T12NR5 S/N P030XZ

The label on the hardware says “MN: P283T12N15, SN: P030XZ, 07/13/2002”.

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SFTW P/N # 61-G10268A
SOFTWARE VER # 2
SOFTWARE REV # 0
SOFTWARE DATE AUG 14 2002
MODEL # P283T12NR5
HWDR P/N # 2
SERIAL # P030XZ
MANUFACTUR DATE 2G13

4/6/19 23:59:50.000930082
4/6/19 23:59:51.000985403
4/6/19 23:59:52.000040669
4/6/19 23:59:53.000095990
4/6/19 23:59:54.000151310
4/6/19 23:59:55.000206629
4/6/19 23:59:56.000261949
4/6/19 23:59:57.000317269
4/6/19 23:59:58.000372591
4/6/19 23:59:59.000427917
4/7/19 00:00:00.000483245
4/7/19 00:00:01.000538571
4/7/19 00:00:02.000593894
4/7/19 00:00:03.000649216
4/7/19 00:00:04.000704537
4/7/19 00:00:05.000759858
4/7/19 00:00:06.000815179
4/7/19 00:00:07.000870498
4/7/19 00:00:08.000925817
4/7/19 00:00:09.000981136
4/7/19 00:00:10.000036398

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12NR4 S/N P01PLB

The label on the hardware says “MN: P2[??]T12N14, SN: P01PLB, 04/15/2002” marked with “X
TIMER” in black pen.

COPYRIGHT 1991-2002 MOTOROLA INC.

SFTW P/N # 61-G10421A

SOFTWARE VER # 1

SOFTWARE REV # 0X4

SOFTWARE DATE APR 08 2003

MODEL #P273T12NR4

HWDR P/N # 2

SERIAL # P01PLB

MANUFACTUR DATE 2D15

4/6/19 23:59:50.000183323
4/6/19 23:59:51.000240947
4/6/19 23:59:52.000298572
4/6/19 23:59:53.000356198
4/6/19 23:59:54.000413825
4/6/19 23:59:55.000471453
4/6/19 23:59:56.000529082
4/6/19 23:59:57.000586711
4/6/19 23:59:58.000644341
4/6/19 23:59:59.000701971
4/7/19 00:00:00.000759602
4/7/19 00:00:01.000817234
4/7/19 00:00:02.000874867
4/7/19 00:00:03.000932500
4/7/19 00:00:04.000990133
4/7/19 00:00:05.000047710
4/7/19 00:00:06.000105344
4/7/19 00:00:07.000162979
4/7/19 00:00:08.000220613
4/7/19 00:00:09.000278247
4/7/19 00:00:10.000335881

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12NR4 S/N P0208X

The label on the hardware says "MN: [crossed out], SN: P0208X, 05/16/2002" marked with "TIMER 1.X.7" in black pen.

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SFTW P/N # 61-G10268A

SOFTWARE VER # 1

SOFTWARE REV # 0

SOFTWARE DATE JUN 28 2002

MODEL #P273T12NR4

HWDR P/N # 2

SERIAL # P0208X

MANUFACTUR DATE 2E16

4/6/19 23:59:50.000670760

4/6/19 23:59:51.000725929

4/6/19 23:59:52.000781099

4/6/19 23:59:53.000836271

4/6/19 23:59:54.000891446

4/6/19 23:59:55.000946624

4/6/19 23:59:56.000001749

4/6/19 23:59:57.000056930

4/6/19 23:59:58.000112112

4/6/19 23:59:59.000167295

4/7/19 00:00:00.000222478

4/7/19 00:00:01.000277660

4/7/19 00:00:02.000332842

4/7/19 00:00:03.000388022

4/7/19 00:00:04.000443200

4/7/19 00:00:05.000498376

4/7/19 00:00:06.000553551

4/7/19 00:00:07.000608726

4/7/19 00:00:08.000663902

4/7/19 00:00:09.000719080

4/7/19 00:00:10.000774258

This GPS receiver will operate correctly through the GPS week rollover event.

M12 P143T12NR1 S/N P003WO

The hardware label says “MN: P143T12N11, SN: P003WO, 03/27/00” marked with “V1.3” in pen.

COPYRIGHT 1991-2000 MOTOROLA INC. SFTW P/N # 61-G10002A
SOFTWARE VER # 1
SOFTWARE REV # 3
SOFTWARE DATE Mar 13 2000
MODEL # P143T12NR1
HWDR P/N # 1
SERIAL # P003WO
MANUFACTUR DATE 0C27

4/6/19 23:59:50.000297552
4/6/19 23:59:51.000358973
4/6/19 23:59:52.000420389
4/6/19 23:59:53.000481806
4/6/19 23:59:54.000543229
4/6/19 23:59:55.000604650
4/6/19 23:59:56.000666064
4/6/19 23:59:57.000727489
4/6/19 23:59:58.000788912
4/6/19 23:59:59.000850330
4/7/19 00:00:00.000911750
4/7/19 00:00:01.000973178
4/7/19 00:00:02.000034543
4/7/19 00:00:03.000095963
4/7/19 00:00:04.000157396
4/7/19 00:00:05.000218825
4/7/19 00:00:06.000280250
4/7/19 00:00:07.000341682
4/7/19 00:00:08.000403114
4/7/19 00:00:09.000464546
4/7/19 00:00:10.000525981

This GPS receiver will operate correctly through the GPS week rollover event.

M12 P143T12NR1 S/N P003WN

The hardware label says “MN: P143T12N11, SN: P003WN, 03/27/00” marked “M12 v1.4”

COPYRIGHT 1991-2000 MOTOROLA INC.

SFTW P/N # 61-G10002A
SOFTWARE VER # 1
SOFTWARE REV # 4
SOFTWARE DATE OCT 30 2000
MODEL # P143T12NR1
HWDR P/N # 1
SERIAL # P003WN
MANUFACTUR DATE 0C27

4/6/19 23:59:50.000392042
4/6/19 23:59:51.000455700
4/6/19 23:59:52.000519359
4/6/19 23:59:53.000583023
4/6/19 23:59:54.000646679
4/6/19 23:59:55.000710336
4/6/19 23:59:56.000773994
4/6/19 23:59:57.000837652
4/6/19 23:59:58.000901308
4/6/19 23:59:59.000964966
4/7/19 00:00:00.000028557
4/7/19 00:00:01.000092211
4/7/19 00:00:02.000155869
4/7/19 00:00:03.000219527
4/7/19 00:00:04.000283177
4/7/19 00:00:05.000346832
4/7/19 00:00:06.000410488
4/7/19 00:00:07.000474143
4/7/19 00:00:08.000537796
4/7/19 00:00:09.000601453
4/7/19 00:00:10.000665102

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T11N15 S/N P08WLH

The label on the hardware says “MN: [crossed off], SN: P08WLH, 05/07/04” marked with “M12+N v1.8m P273T11N15” on a white label.

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SFTW P/N # 61-G10002A

SOFTWARE VER # 1

SOFTWARE REV # 8

SOFTWARE DATE MAY 15 2002

MODEL #P283T11N15

HWDR P/N # 2

SERIAL # P08WLH

MANUFACTUR DATE 4E07

4/6/19 23:59:50.000188443

4/6/19 23:59:51.000242890

4/6/19 23:59:52.000297339

4/6/19 23:59:53.000351790

4/6/19 23:59:54.000406243

4/6/19 23:59:55.000460697

4/6/19 23:59:56.000515153

4/6/19 23:59:57.000569611

4/6/19 23:59:58.000624067

4/6/19 23:59:59.000678524

4/7/19 00:00:00.000732978

4/7/19 00:00:01.000787432

4/7/19 00:00:05.000005178

4/7/19 00:00:06.000059625

4/7/19 00:00:07.000114071

4/7/19 00:00:08.000168516

4/7/19 00:00:09.000222960

4/7/19 00:00:10.000277400

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12T18 S/N POCBGT

The label on the hardware says "MN: P273T12T18, SN: POCBGT, 04/11/2005".

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SFTW P/N # 61-G10268A
SOFTWARE VER # 2
SOFTWARE REV # 0.1
SOFTWARE DATE JUN 09 2004
MODEL # P273T12T18
HWDR P/N # 2
SERIAL # POCBGT
MANUFACTUR DATE 5D11

4/6/19 23:59:50.000830880
4/6/19 23:59:51.000884059
4/6/19 23:59:52.000937239
4/6/19 23:59:53.000990420
4/6/19 23:59:54.000043550
4/6/19 23:59:55.000096734
4/6/19 23:59:56.000149920
4/6/19 23:59:57.000203107
4/6/19 23:59:58.000256294
4/6/19 23:59:59.000309479
4/7/19 00:00:00.000362665
4/7/19 00:00:01.000415850
4/7/19 00:00:02.000469035
4/7/19 00:00:03.000522221
4/7/19 00:00:04.000575407
4/7/19 00:00:05.000628594
4/7/19 00:00:06.000681781
4/7/19 00:00:07.000734969
4/7/19 00:00:08.000788159
4/7/19 00:00:09.000841349
4/7/19 00:00:10.000894541

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12T18 S/N POCBGT

The label on the hardware says “MN: P273T12T18, SN: POCBGT, 04/11/2005”.

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SFTW P/N # 61-G10268A
SOFTWARE VER # 2
SOFTWARE REV # 0.1
SOFTWARE DATE JUN 09 2004
MODEL # P273T12T18
HWDR P/N # 2
SERIAL # POCBGT
MANUFACTUR DATE 5D11

4/6/19 23:59:50.000830880
4/6/19 23:59:51.000884059
4/6/19 23:59:52.000937239
4/6/19 23:59:53.000990420
4/6/19 23:59:54.000043550
4/6/19 23:59:55.000096734
4/6/19 23:59:56.000149920
4/6/19 23:59:57.000203107
4/6/19 23:59:58.000256294
4/6/19 23:59:59.000309479
4/7/19 00:00:00.000362665
4/7/19 00:00:01.000415850
4/7/19 00:00:02.000469035
4/7/19 00:00:03.000522221
4/7/19 00:00:04.000575407
4/7/19 00:00:05.000628594
4/7/19 00:00:06.000681781
4/7/19 00:00:07.000734969
4/7/19 00:00:08.000788159
4/7/19 00:00:09.000841349
4/7/19 00:00:10.000894541

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12T11 S/N P087QP

The label on the hardware says “MN: P273T12T11, SN: P087QP, 03/09/2004”. This receiver required two passes, as it failed to get the new almanac the first time through.

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SFTW P/N # 61-G10268A
SOFTWARE VER # 2
SOFTWARE REV # 0
SOFTWARE DATE AUG 14 2002
MODEL # P273T12T11
HWDR P/N # 2
SERIAL # P087QP
MANUFACTUR DATE 4C09

4/6/19 23:59:50.000848481
4/6/19 23:59:51.000902994
4/6/19 23:59:52.000957507
4/6/19 23:59:53.000011966
4/6/19 23:59:54.000066479
4/6/19 23:59:55.000120992
4/6/19 23:59:56.000175505
4/6/19 23:59:57.000230018
4/6/19 23:59:58.000284531
4/6/19 23:59:59.000339044
4/7/19 00:00:00.000393557
4/7/19 00:00:01.000448070
4/7/19 00:00:02.000502583
4/7/19 00:00:03.000557096
4/7/19 00:00:04.000611609
4/7/19 00:00:05.000666123
4/7/19 00:00:06.000720636
4/7/19 00:00:07.000775149
4/7/19 00:00:08.000829662
4/7/19 00:00:09.000884175
4/7/19 00:00:10.000938688

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T11T12 S/N P07S8V

The label on the hardware says “MN: P283T11T12, SN: P07S8V, 02/03/04”.

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SFTW P/N # 61-G10268A
SOFTWARE VER # 2
SOFTWARE REV # 1
SOFTWARE DATE APR 16 2003
MODEL # P283T11T12
HWDR P/N # 2
SERIAL # P07S8V
MANUFACTUR DATE 4B03

4/6/19 23:59:50.000935804
4/6/19 23:59:51.000994099
4/6/19 23:59:52.000052335
4/6/19 23:59:53.000110629
4/6/19 23:59:54.000168924
4/6/19 23:59:55.000227218
4/6/19 23:59:56.000285510
4/6/19 23:59:57.000343801
4/6/19 23:59:58.000402089
4/6/19 23:59:59.000460377
4/7/19 00:00:00.000518668
4/7/19 00:00:01.000576961
4/7/19 00:00:02.000635255
4/7/19 00:00:03.000693549
4/7/19 00:00:04.000751843
4/7/19 00:00:05.000810137
4/7/19 00:00:06.000868431
4/7/19 00:00:07.000926727
4/7/19 00:00:08.000985023
4/7/19 00:00:09.000043262
4/7/19 00:00:10.000101560

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12T17 S/N P0G2VI

The label on the hardware says “MN: P273T12T17, SN: P0G2VI, 01/13/2006”.

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SFTW P/N # 61-G10268A
SOFTWARE VER # 2
SOFTWARE REV # 2
SOFTWARE DATE APR 28 2004
MODEL # P273T12T17
HWDR P/N # 2
SERIAL # P0G2VI
MANUFACTUR DATE 6A13

4/6/19 23:59:50.000481041
4/6/19 23:59:51.000531983
4/6/19 23:59:52.000582923
4/6/19 23:59:53.000633864
4/6/19 23:59:54.000684807
4/6/19 23:59:55.000735749
4/6/19 23:59:56.000786690
4/6/19 23:59:57.000837630
4/6/19 23:59:58.000888569
4/6/19 23:59:59.000939506
4/7/19 00:00:00.000990443
4/7/19 00:00:01.000041326
4/7/19 00:00:02.000092259
4/7/19 00:00:03.000143192
4/7/19 00:00:04.000194126
4/7/19 00:00:05.000245060
4/7/19 00:00:06.000295996
4/7/19 00:00:07.000346932
4/7/19 00:00:08.000397871
4/7/19 00:00:09.000448811
4/7/19 00:00:10.000499751

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ **P273T12N16** S/N POE8RU

The label on the hardware says “MN: [CROSSED OFF], SN: POE8RU, 10/07/2005”. A white label on the rear has “M12+N v1.9 P273T12N16”

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SFTW P/N # 61-G10002A
 SOFTWARE VER # 1
 SOFTWARE REV # 9
 SOFTWARE DATE MAY 4 2004
 MODEL # P283T12TR7
 HWDR P/N # 2
 SERIAL # POE8RU
 MANUFACTUR DATE 5K07

4/6/19 23:59:50.000894710
 4/6/19 23:59:51.000946557
 4/6/19 23:59:52.000998404
 4/6/19 23:59:53.000050199
 4/6/19 23:59:54.000102045
 4/6/19 23:59:55.000153890
 4/6/19 23:59:56.000205736
 4/6/19 23:59:57.000257581
 4/6/19 23:59:58.000309427
 4/6/19 23:59:59.000361272
 4/7/19 00:00:00.000413117
 4/7/19 00:00:01.000464962
 4/7/19 00:00:02.000516808
 4/7/19 00:00:03.000568653
 4/7/19 00:00:04.000620498
 4/7/19 00:00:05.000672342
 4/7/19 00:00:06.000724187
 4/7/19 00:00:07.000776032
 4/7/19 00:00:08.000827877
 4/7/19 00:00:09.000879722
 4/7/19 00:00:10.000931568

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P273T12T12 S/N P0731S

The label on the hardware says “MN: P273T12T12, SN: P0731S, 11/24/2003”.

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SFTW P/N # 61-G10268A

SOFTWARE VER # 2

SOFTWARE REV # 1

SOFTWARE DATE APR 16 2003

MODEL #P273T12T12

HWDR P/N # 2

SERIAL # P0731S

MANUFACTUR DATE 3L24

4/6/19 23:59:50.000333287

4/6/19 23:59:51.000388378

4/6/19 23:59:52.000443469

4/6/19 23:59:53.000498559

4/6/19 23:59:54.000553650

4/6/19 23:59:55.000608740

4/6/19 23:59:56.000663830

4/6/19 23:59:57.000718921

4/6/19 23:59:58.000774013

4/6/19 23:59:59.000829105

4/7/19 00:00:00.000884198

4/7/19 00:00:01.000939291

4/7/19 00:00:02.000994386

4/7/19 00:00:03.000049427

4/7/19 00:00:04.000104525

4/7/19 00:00:05.000159623

4/7/19 00:00:06.000214720

4/7/19 00:00:07.000269816

4/7/19 00:00:08.000324913

4/7/19 00:00:09.000380008

4/7/19 00:00:10.000435104

This GPS receiver will operate correctly through the GPS week rollover event.

M12+ P283T11N15 S/N P088EF

The label on the hardware says “MN: P283T11N15, SN: P088EF, 03/14/2004”.

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SFTW P/N # 61-G10002A

SOFTWARE VER # 1

SOFTWARE REV # 8

SOFTWARE DATE MAY 15 2002

MODEL #P283T11N15

HWDR P/N # 2

SERIAL # P088EF

MANUFACTUR DATE 4C14

4/6/19 23:59:50.000769940
4/6/19 23:59:51.000828885
4/6/19 23:59:52.000887830
4/6/19 23:59:53.000946774
4/6/19 23:59:54.000005658
4/6/19 23:59:55.000064602
4/6/19 23:59:56.000123545
4/6/19 23:59:57.000182488
4/6/19 23:59:58.000241431
4/6/19 23:59:59.000300374
4/7/19 00:00:00.000359317
4/7/19 00:00:01.000418259
4/7/19 00:00:02.000477201
4/7/19 00:00:03.000536142
4/7/19 00:00:04.000595082
4/7/19 00:00:05.000654023
4/7/19 00:00:06.000712963
4/7/19 00:00:07.000771903
4/7/19 00:00:08.000830844
4/7/19 00:00:09.000889785
4/7/19 00:00:10.000948728

This GPS receiver will operate correctly through the GPS week rollover event.

Motorola Receiver Date Codes

If a standard date does not appear on the GPS receiver's label in these formats: 4/10/2003 or 4-10-2003, Motorola used a proprietary code to identify the date of manufacture. Here are examples for Motorola's Manufacturing Dates for early VP and other Oncore Series GPS receivers.

The first digit represents the last digit in a 4 digit year. A "5" would be 1995, A "6" would be 1996, etc.

The second digit represents the month starting with "A" for January; "B" for February, etc.

The last two digits represent the day of manufacture; "01" the first day; "02" the second day, etc.

Here are the deciphered results for date codes 7A01 and 6B02:

Year	Month	Day	=	Date
7	A	01	=	January 1, 1997
6	B	02	=	February 2, 1996

The GT+, UT+ and M12+ samples we have here show Manufacturing Dates like 07/12/00, 04-19-02 and 12-12-02 which appear to be valid, recognizable dates.

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