

# DESKPRO 386

## SERVICE SUPPORT DISCONTINUED

| System Boards             | Assembly | Spare Part                         |
|---------------------------|----------|------------------------------------|
| 386 System Board *        | 000401   | Not Available                      |
| 386 System Board **       | 000558   | Not Available                      |
| * 287 Coprocessor Option. |          | ** 287 and 387 Coprocessor Option. |

### System Board SW1 Switch Settings (Assembly 000558)

| 1  | 2    | 3    | 4   | 5   | 6   | 7   | 8  | Function                                                               |
|----|------|------|-----|-----|-----|-----|----|------------------------------------------------------------------------|
| ON |      |      |     |     |     |     |    | Reserved                                                               |
|    | OFF* |      |     |     |     |     |    | No coprocessor installed                                               |
|    | ON   |      |     |     |     |     |    | Coprocessor installed                                                  |
|    |      | OFF* |     |     |     |     |    | 80287-8 coprocessor speed 8 MHz                                        |
|    |      | ON   |     |     |     |     |    | 80287-3 or -6 coprocessor speed 4 MHz                                  |
|    |      |      | ON* |     |     |     |    | CPU boot speed 16 MHz except when accessing diskette drive, then 8 MHz |
|    |      |      | OFF |     |     |     |    | CPU boot speed 16 MHz (always)                                         |
|    |      |      |     | OFF |     |     |    | Reserved                                                               |
|    |      |      |     |     | ON* |     |    | Compaq VDU and EGA compatible EGA, RGBI, or VGC                        |
|    |      |      |     |     | OFF |     |    | 3rd-party monochrome (MDA only)                                        |
|    |      |      |     |     |     | ON* |    | 80287-3, -6, or -8 coprocessor or no coprocessor installed             |
|    |      |      |     |     |     | OFF |    | 387-16 coprocessor                                                     |
|    |      |      |     |     |     |     | ON | Reserved                                                               |

\* Default.

### System Board SW1 Switch Settings (Assembly 000401)

| 1  | 2    | 3    | 4   | 5   | 6   | Function                                                               |
|----|------|------|-----|-----|-----|------------------------------------------------------------------------|
| ON |      |      |     |     |     | Reserved                                                               |
|    | OFF* |      |     |     |     | 80287 coprocessor not installed                                        |
|    | ON   |      |     |     |     | 80287 coprocessor installed                                            |
|    |      | OFF* |     |     |     | Coprocessor speed 8 MHz                                                |
|    |      | ON   |     |     |     | Coprocessor speed 4 MHz                                                |
|    |      |      | ON* |     |     | CPU boot speed 16 MHz except when accessing diskette drive, then 8 MHz |
|    |      |      | OFF |     |     | CPU boot speed 16 MHz (always)                                         |
|    |      |      |     | OFF |     | Reserved                                                               |
|    |      |      |     |     | ON* | Compaq VDU, Compaq EGA, compatible EGA, RGBI, or VGC                   |
|    |      |      |     |     | OFF | Third party monochrome (MDA only)                                      |

\* Default.

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| Memory Boards                    | Assembly | Spare Part    |
|----------------------------------|----------|---------------|
| 32-Bit System Memory Board       | 000413   | Not Available |
| 1 - 2 MB 32-Bit Memory Board     | 000450   | Not Available |
| 0.5 - 2.0 MB 16-Bit Memory Board | 000458   | Not Available |
| 4 - 8 MB 32-Bit Memory Board     | 000459   | Not Available |

### 32-Bit System Memory Board (000413)

| Jumper               | Function                 |
|----------------------|--------------------------|
| E2 to E3, E5 to E6 * | 640 KB base memory       |
| E7 to E8 *           | Disables extended memory |
| E1 to E2, E4 to E5   | 256 KB base memory       |
| E2 to E3, E4 to E5   | 512 KB base memory       |
| E8 to E9             | Enables extended memory  |

**CAUTION:** DO NOT connect E3 to E4 or E6 to E7. System board damage may occur.

\* Default.

### 0.5- to 2-MB 16-Bit Memory Board (000458)

| Jumper           | Base Address |
|------------------|--------------|
| 1 to 2, 4 to 5 * | 4 MB         |
| 1 to 2, 5 to 6   | 6 MB         |
| 2 to 3, 4 to 5   | 10 MB        |
| 2 to 3, 5 to 6   | 12 MB        |

\* Default.

### 1- to 2-MB (000450) and 4- to 8-MB (000459) 32-Bit Memory Expansion Boards

| J101 Setting | 1- to 2-MB Board               | 4- to 8-MB Board               |
|--------------|--------------------------------|--------------------------------|
| 2 to 3 *     | Disables second 1 MB of memory | Disables second 4 MB of memory |
| 1 to 2       | Enables second 1 MB of memory  | Disables second 4 MB of memory |

\* Default.

| Memory Chips            | Spare Part    |
|-------------------------|---------------|
| 256 X 1 (100 ns) SCRAM  | Not Available |
| 1 MB X 1 (100 ns) SCRAM | Not Available |

| Controller Boards                | Assembly   | Spare Part    |
|----------------------------------|------------|---------------|
| Hard Drive Controller Board *    | WD1002WAH  | 102778-001    |
| ESDI Hard Drive (3:1) Board *    | WD1005WAH  | Not Available |
| ESDI 130/300 Controller Board *  | WD1007AWAH | Not Available |
| Tape Adapter Board *             | 000774     | 113259-001    |
| Multipurpose Hard Drive Board *  | 000815     | Not Available |
| ESDI External 300/600 Board *    | 001091     | 115839-001    |
| 15 MHz ESDI Controller Board *   | 001283     | 121667-001    |
|                                  | 001628     |               |
| ESDI/Diskette Controller Board * | 001472     | 115374-001    |

\* See Volume 2 Appendix, Multiproduct Boards, for settings.

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## SERVICE SUPPORT DISCONTINUED

| Video Boards                                   | Assembly                             | Spare Part    |
|------------------------------------------------|--------------------------------------|---------------|
| Enhanced Color Graphics Board * ***            | 000410                               | Not Available |
| Enhanced Color Graphics Board * ***            | 000471                               | 109196-001    |
| Video Display Controller Board (VDU) ***       | 000031<br>000160<br>000345<br>000525 | 101340-001    |
| Video Graphics Controller Board (VGC) * ** *** | 000806<br>001241<br>109360           | 109253-001    |
| Advanced Graphics 1024 Board ***               | 109958                               | 114201-001    |
| Advanced Graphics Memory Board                 | 109959                               | 114202-001    |
| QVision 1024/I Controller Board ***            | 002163                               | 126655-001    |

\* ECG and VGC require system ROM E or later.

\*\* Required for the Advanced Graphics Color Monitor to display both normal VGA and high-resolution video (single-monitor configuration).

\*\*\* See Volume 2 Appendix, Multiproduct Boards, for settings.

| Miscellaneous                     | Assembly | Spare Part    |
|-----------------------------------|----------|---------------|
| Serial/Parallel Interface Board * | 000570   | 106886-001    |
| Serial/Parallel Interface Board * | 000990   | 106886-001    |
| 2400-Baud Internal Modem          | 001070   | Not Available |
| 9600/2400 Fax Modem **            |          | 197458-001    |

\* See Volume 2 Appendix, Multiproduct Boards, for settings.

\*\* See Volume 2 Appendix, Modem Configuration Information.

### Hard Drives

| Size                                    | Type                               | Inter-leave | Inte-grated | Min ROM | Spare Part                 | Controller Assembly                  |
|-----------------------------------------|------------------------------------|-------------|-------------|---------|----------------------------|--------------------------------------|
| 40 MB                                   | 17                                 | 3:1         | Y           | F       | Not Available              | 000815                               |
| 40 MB                                   | 22 <sup>1</sup>                    | 1:1         | Y           | K.2     | Not Available              | 000815                               |
| 70 MB                                   | 12                                 | 2:1         | N           | F       | Not Available              | WD1002WAH                            |
| 84 MB                                   | 27                                 | 1:1         | Y           | F       | Not Available              | 000815                               |
| 100 MB                                  | 45                                 | 1:1         | Y           | G       | 142365-001 <sup>6</sup>    | 000815                               |
| 120 MB <sup>5</sup>                     | 45                                 | 1:1         | Y           | G       | 111910-001 <sup>7</sup>    | 000815                               |
| 130 MB <sup>2</sup>                     | 25 <sup>3</sup><br>35 <sup>3</sup> | 3:1         | N           | F       | Not Available <sup>6</sup> | WD1005WAH                            |
|                                         |                                    | 1:1         |             | F       | 111912-001 <sup>7, 8</sup> | WD1007AWAH                           |
|                                         |                                    |             |             |         | 111913-001 <sup>7, 9</sup> |                                      |
| 340 MB <sup>4</sup>                     | 28                                 | 1:1         | Y           | K.2     | 194525-001 <sup>6</sup>    | WD1005WAH<br>WD1007AWAH              |
| Hard Drive Expansion Unit (300 MB only) |                                    |             |             |         |                            | 001091<br>001283<br>001472<br>001628 |

<sup>1</sup> Type 17 if ROM earlier than K.2 is used.

<sup>2</sup> Comes formatted as type 35 for the WD1007AWAH controller. If used with the WD1005WAH controller (type 25), you must perform an unconditional format followed by a surface analysis using Advanced Diagnostics 5.04 or greater.

<sup>3</sup> MS-DOS 3.1 or earlier supports type 25 only. MS-DOS 3.2 or later supports either type. Use type 25 if the application software supports only 17 sectors per track.

4 Formats to 319 MB

6 Except Europe

8 Black bezel

5 Formats to 100 MB

7 Europe only

9 Gray bezel

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## SERVICE SUPPORT DISCONTINUED

| Tape Drives | Spare Part                                          | Tape Cartridge                     | Spare Part               |
|-------------|-----------------------------------------------------|------------------------------------|--------------------------|
| 40 MB       | 108081-001 (black bezel)<br>120330-001 (gray bezel) | 40 MB (DC2000)                     | 108142-001               |
| 135 MB      | 113218-001 (black bezel)<br>113227-001 (gray bezel) | 135 MB (DC600 XTD)                 | 113234-001               |
| 150/250 MB  | 115368-001 (black bezel)<br>115367-001 (gray bezel) | 150 MB (DC6150)<br>250 MB (DC6250) | 113234-001<br>115298-001 |

| Diskette Drives | Spare Part                                          |
|-----------------|-----------------------------------------------------|
| 360 KB          | 102928-001 (black bezel)<br>120329-001 (gray bezel) |
| 1.2 MB          | 102775-001 (black bezel)<br>120331-001 (gray bezel) |
| 1.44 MB *       | 113263-001 (black bezel)<br>113264-001 (gray bezel) |

\* Requires system ROM H.8 or later for use with MS-DOS and system ROM J.4 or later for use with MS OS/2 Version 1.1. Requires MS-DOS Version 3.31 Revision A if installed as drive B, MS-DOS Version 3.31 Revision B if installed as drive A.

| Cables                                  | Used With                                        | Spare Part | Desc.  |
|-----------------------------------------|--------------------------------------------------|------------|--------|
| Diskette/Tape Signal Cable <sup>1</sup> | All Diskette Drives<br>40-MB Tape Drives         | 101380-002 |        |
| Mass Storage Power Cable <sup>1</sup>   | All Diskette Drives, Tape<br>Drives, Hard Drives | 101137-001 |        |
| Tape Signal Cable                       | 135-MB Tape Drives<br>150-/250-MB Tape Drives    | 113198-001 |        |
| Hard Drive Signal Cable                 | Single 40-MB Hard Drive                          | 108086-001 |        |
| Hard Drive Signal Cable                 | Dual 40-MB Hard Drive                            | 108087-001 |        |
| Hard Drive Signal Cable                 | 130-MB Hard Drive                                | 100625-005 | 34 Pin |
| Hard Drive Signal Cable                 | 130-MB Hard Drive                                | 100625-006 | 20 Pin |
| External I/O Cable <sup>2</sup>         | Expansion Unit                                   | 115810-001 |        |
| VGA Pass-Through Cable                  | Advanced Graphics                                | 114229-001 |        |
| Telephone Cable <sup>3</sup>            | Modem                                            | 112666-001 |        |

<sup>1</sup> Part of kit 108146-001. <sup>2</sup> Part of kit 108249-001. <sup>3</sup> U.S. and Canada only.

| Processor/Coprocessor            | Location<br>System Board 000558 | Location<br>System Board 000401 |
|----------------------------------|---------------------------------|---------------------------------|
| Processor (386-16)               | U76                             | U56                             |
| Coprocessor (387-16)             | U60                             | N/A                             |
| Coprocessor (80287-3, -6, or -8) | U42                             | U39                             |

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## SERVICE SUPPORT DISCONTINUED

### System ROM Locations

| System Board | Location |          |
|--------------|----------|----------|
| 000401       | U13 ODD  | U11 EVEN |
| 000558       | U15 ODD  | U13 EVEN |

### System ROM Revisions (Spare Part 108283-001)

| Revision | Number on ODD ROM | Number on EVEN ROM |
|----------|-------------------|--------------------|
| E        | 108284-001        | 108285-001         |
| F        | 108327-001        | 108328-001         |
| G        | 108327-002        | 108328-002         |
| H.8      | 113269-008        | 113270-008         |
| J.4      | 109591-001        | 109592-001         |
| K.2      | 109591-003        | 109592-003         |
| M.1      | 109591-004        | 109592-004         |
| N.1      | 109591-005        | 109592-005         |

### Power Supply/Battery Spare Part

|              |                                                |
|--------------|------------------------------------------------|
| Power Supply | 108065-001 (110 Volt)<br>120161-001 (220 Volt) |
| Battery      | 160272-001                                     |

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## SERVICE SUPPORT DISCONTINUED

### MEMORY UPGRADE CHART

