

# Operating Instructions of XML/SVG Service Manual

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**Introduction**

This manual describes how to read data in the XML/SVG Service Manual <sup>(\*)</sup>.

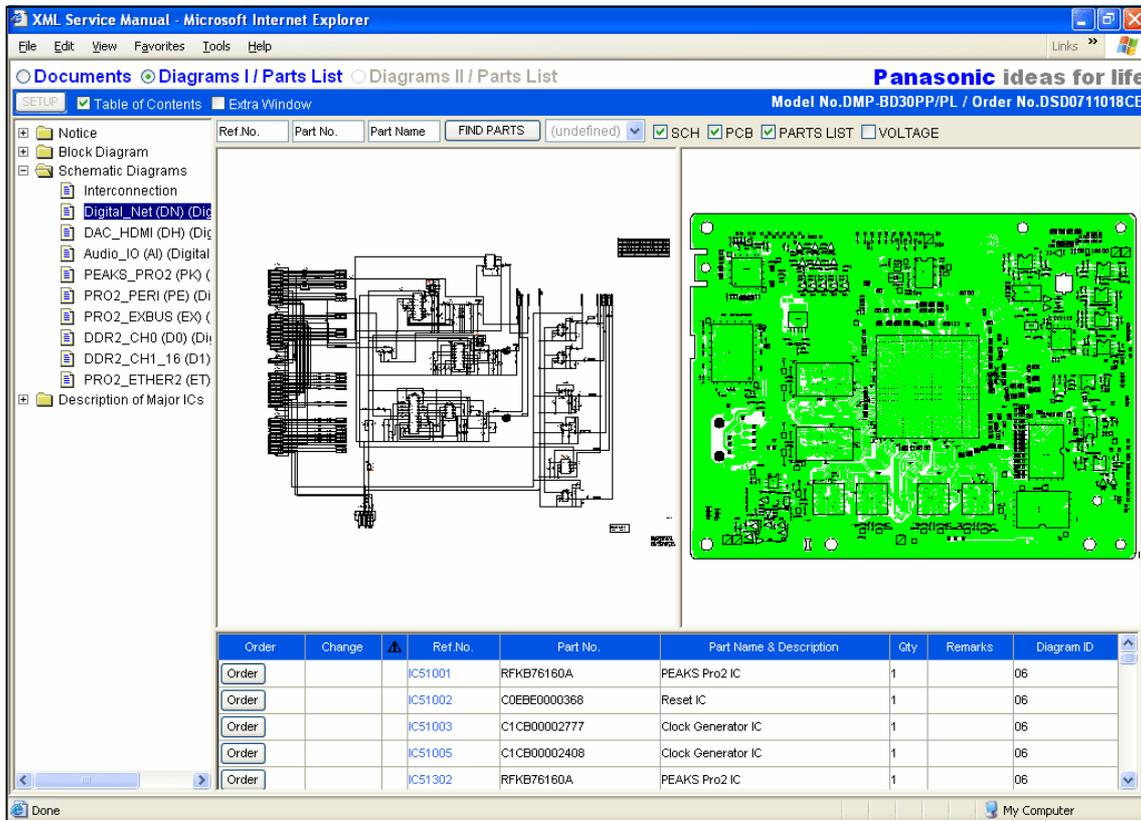
(\*) XML/SVG Service Manual is a service manual that consists of content that has been converted into XML data, as well as the Text and Parts List and also diagrams that have been converted into SVG data. (PDF is partially used.)

Various functions to improve serviceability are added to this XML/SVG Service Manual, such as links of schematic diagrams, the printed circuit board, the Parts List, etc.

Moreover, in order to display this XML/SVG Service Manual, it is necessary to install Internet Explorer (hereinafter referred to as "IE") 6.0 or later and browser software for SVG data (SVG Viewer).

Please read the Default Settings section carefully before setting up your computer.

After setup, a split screen for schematic diagrams, the printed circuit board, and Parts List is displayed as follows.



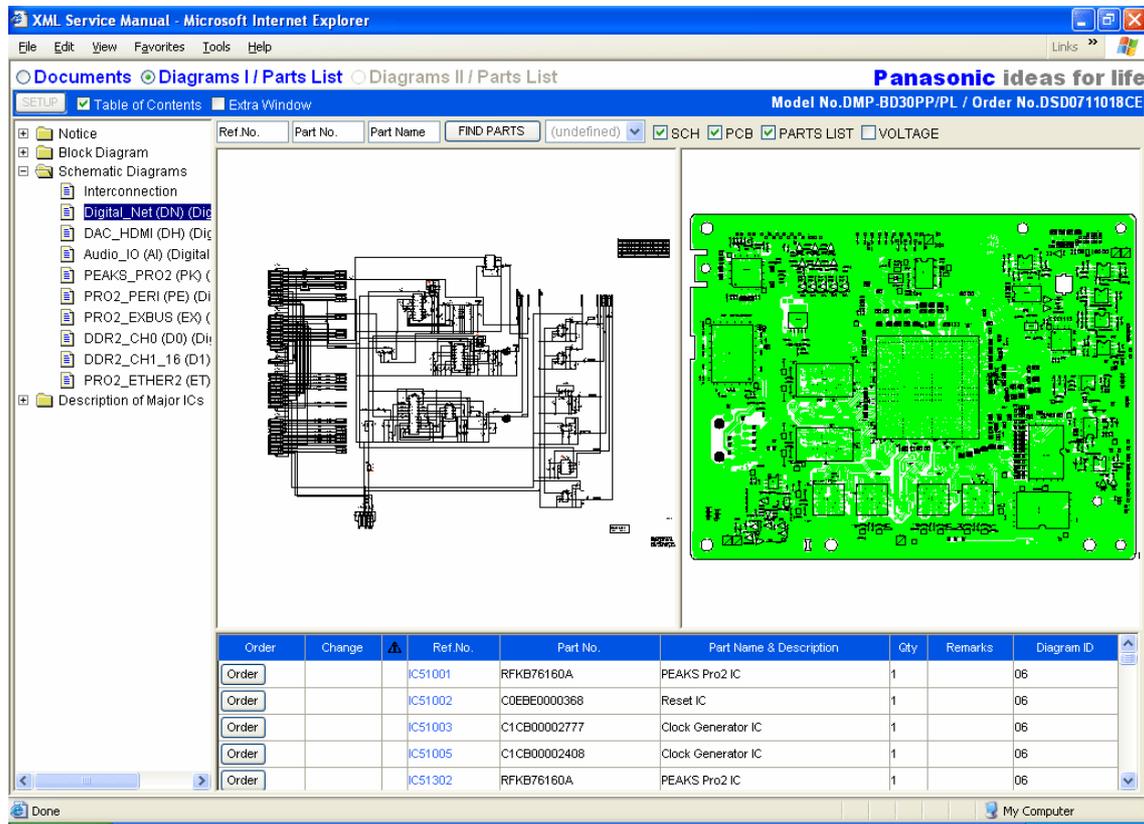
**1. Hardware Requirements**

- CPU: 800 MHz Pentium® III or faster
- RAM: at least 256 MB
- Display: at least 800 × 600 (SVGA), more than 65,000 colors
- OS: Windows® 2000 or XP
- Necessary Software: Microsoft® Internet Explorer 6.0 or later, Adobe® SVG Viewer 3.0 or later, Acrobat® Reader 5.0 or later (\*1)
- Network: Area with an Internet connection (\*2)

(\*1)As of November 2007, Adobe® Reader 8.1.1 is available for download from Adobe’s Web site.

(\*2)Updated information for each section in the XML/SVG Service Manual will be updated on the Web site in the future. Once the system is completed, the updated information on the Web site will be automatically accessed not only when you view the online manual but also when you view CD-ROM data and downloaded data. After the system is complete, it is necessary to connect to the Internet when you read the XML/SVG Service Manual.

- + Pentium is a trademark of Intel Corporation.
- + Windows is a registered trademark of Microsoft Corporation in the U.S. and/or other countries.
- + Adobe and Acrobat are trademarks of Adobe Systems Incorporated.



## 2. Default Settings

### 2.1. Security Settings for IE

The XML/SVG Service Manual uses ActiveX Control.

When viewing the XML/SVG Service Manual downloaded from the Web site (or on a CD-ROM), be sure to follow the procedure below in order not to display a pop-up blocker when viewing with IE.

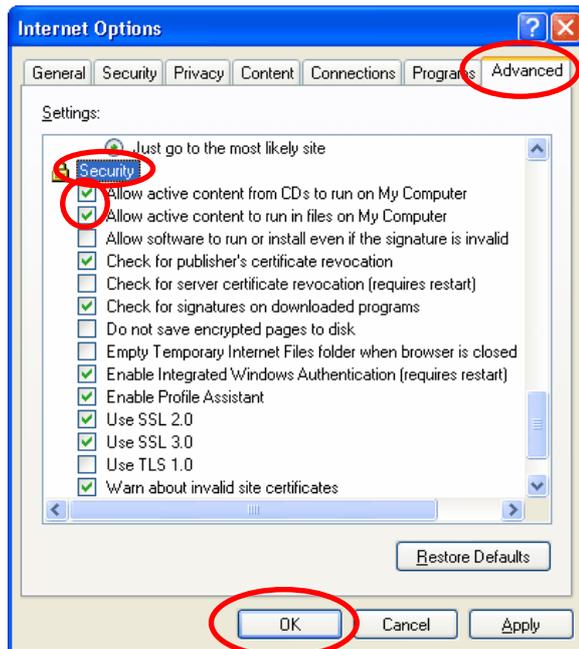
#### 2.1.1. For Windows XP (IE Ver.6.0 SP2)

Users without IE6.0(SP2) must access IE Tools-Windows Update-to upload latest IE6.0(SP2) version.

1. On the menu bar, click “Tool” to open the “Internet Options” screen.



2. In the “Security” section of the “Advanced” tag on the “Internet Options” screen, *check* the two items, *Allow active content from CDs to run on My Computer* and *Allow active content to run in files on My Computer*.

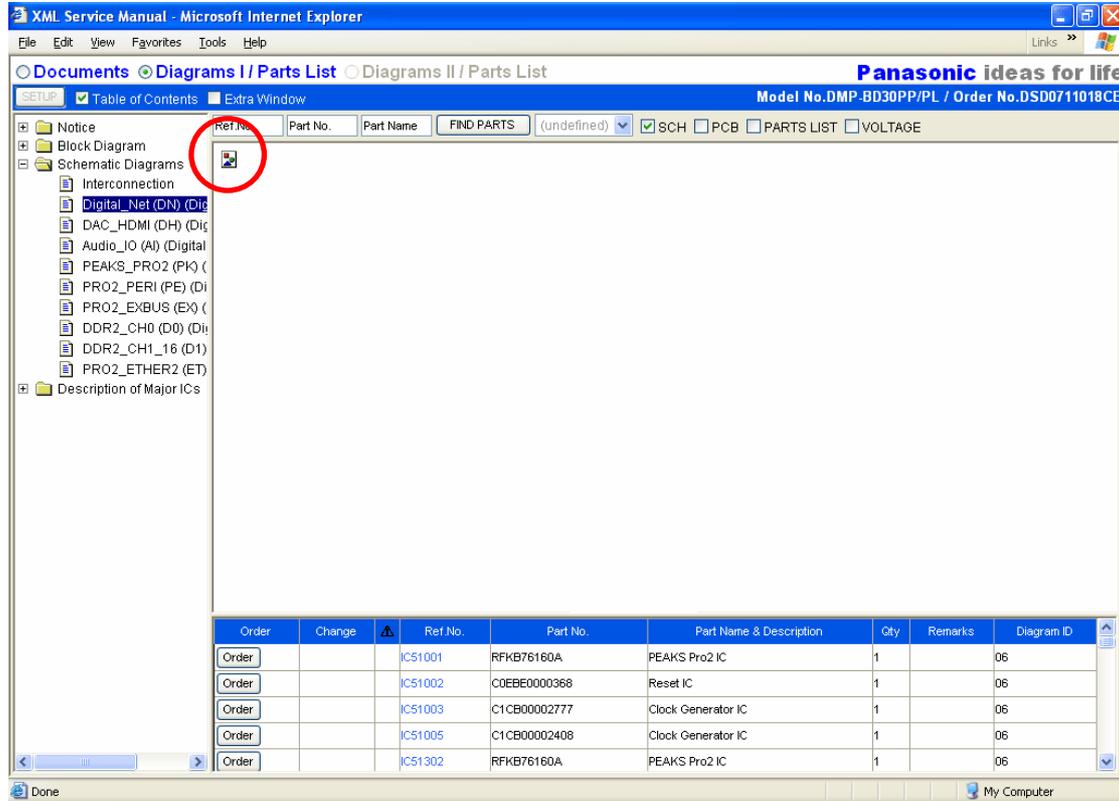


Other items are not related to movement of the XML/SVG Service Manual.

3. Click “OK” to close.

## 2.2. Installing Adobe® SVG Viewer (Ver.3.0 or later)

Adobe SVG Viewer (Ver.3.0 or later) is required to display diagram data of the XML/SVG Service Manual. If Adobe SVG Viewer is not installed, SVG diagrams cannot be displayed as below.



### 2.2.1. Downloading Adobe SVG Viewer (Ver.3.0 or later)

Download Adobe SVG Viewer “Win98–XP Ver.3.0 or later” from the Web site of Adobe Systems Incorporated. (URL is shown below.)

1. Access the download site for Adobe SVG Viewer.

Click the URL below or the icon. (URL information is embedded.)

<http://www.adobe.com/svg/viewer/install/main.html>



\* The latest version as of November 2007, is 3.03.

2. Find the following description on the download site and click “Win 98–XP” to download.

#### Viewers

Language	Operating system	Version	Date
English	Win 98–XP	3.03	04/2005
	Mac 8.6–9.1	3.0	11/2001

Specify the directory in which to save the installer when prompted to do so.

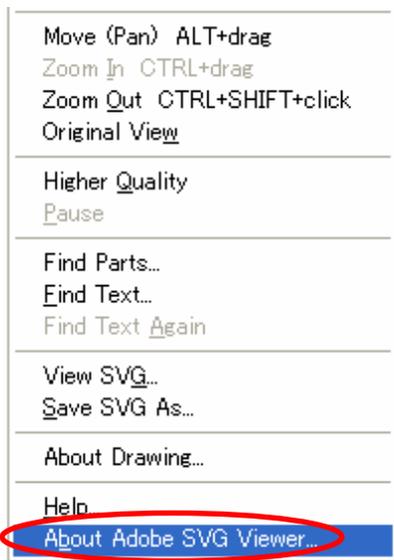
**2.2.2. Installing Adobe SVG Viewer (Ver.3.0 or later)**

1. Close all IE windows.
2. Double-click the downloaded “SVGView.exe” installer.

Installation will automatically begin and will take 20–30 seconds to complete.

■ **If the version is not later than 3.0**

An error message will be displayed if the version is not later than 3.0 (e.g., Version 2.0) even if Adobe SVG Viewer is installed.



In this case, right-click on the currently displayed SVG diagram and select *About Adobe SVG Viewer* from the menu items to check the version of Adobe SVG Viewer that is currently installed.

If the version of Adobe SVG Viewer currently installed is not later than 3.0, download Adobe SVG Viewer 3.0 or later and install it.

## 2.3. Installing Adobe® Reader®

Many PDF files are used in the XML/SVG Service Manual.

Adobe Reader is required to view these PDF files.

1. Access the download site for Adobe Reader.

Click the following URL or icon.

<http://www.adobe.com/products/acrobat/readstep2.html>



\* The latest version as of November 2007, is 8.1.1.

2. Click “download now” on the site screen to download.

Home / Products /

### Adobe Reader

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#### Download the latest version of Adobe Reader

	<b>Adobe Reader 8.1.1</b> <b>Windows XP, English</b>	<b>22.3MB</b>
---	---	---------------

[Different language or operating system?](#)

[Learn more](#) | [System Requirements](#) | [License](#) | [Distribute Adobe Reader](#)

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**Download now** **Total file size: 22.3MB**

By clicking the Download button you agree to the License Agreements and Privacy Policies for the software included.

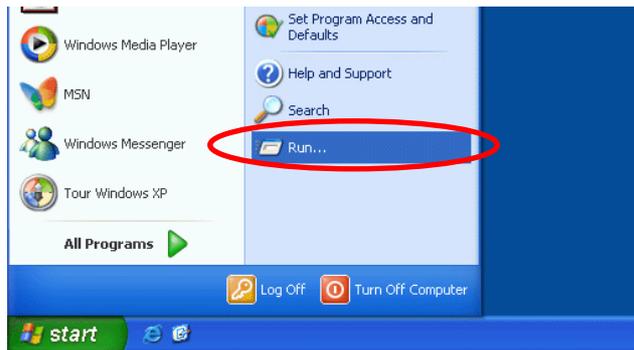
3. Follow the instruction on the screen to install.

## 2.4. Installing Search Software for Service Manual

A CD-ROM with Service Manual XML supporting version (CDR08011A0X or later) contains an installer for search software for viewing the CD-ROM Service Manual, and an installer for creating a data folder for SVG diagrams of the XML/SVG Service Manual.

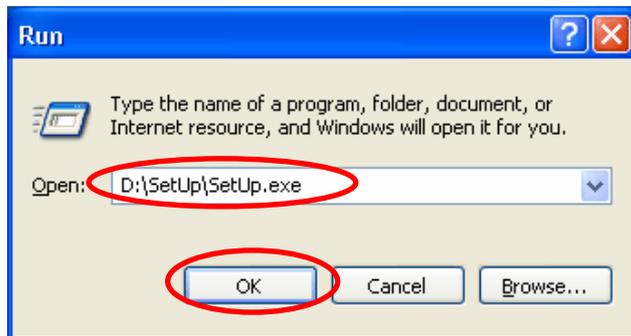
Follow the procedure below to install.

1. Insert the CD-ROM with Service Manual XML supporting version (CDR08011A0X or later) into the CD-ROM drive.

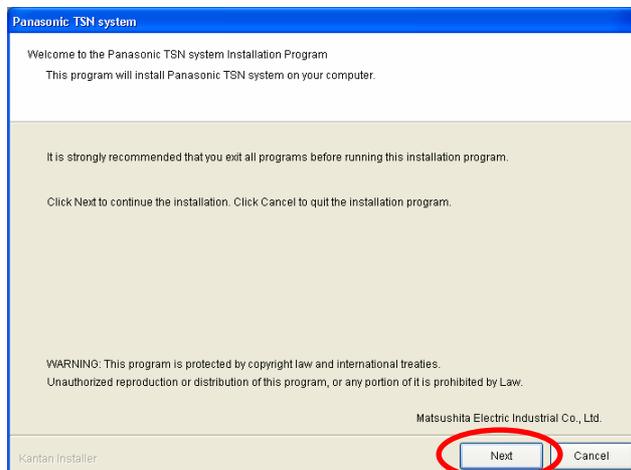


2. From the “Start” button in the lower right of the PC screen, select “RUN” to open the “RUN” screen.

3. In the name field in the “RUN” screen, enter `D:\Setup\Setup.exe` (“D” indicates the symbol of the CD drive), and click the “OK” button.



4. The “Panasonic TSNsystem” setup screen starts up. Follow the screens to proceed with the installation. (in this screen, click “Next.”)



■ **Desktop icons of search software “TSNsystem Ver. 4.1”**

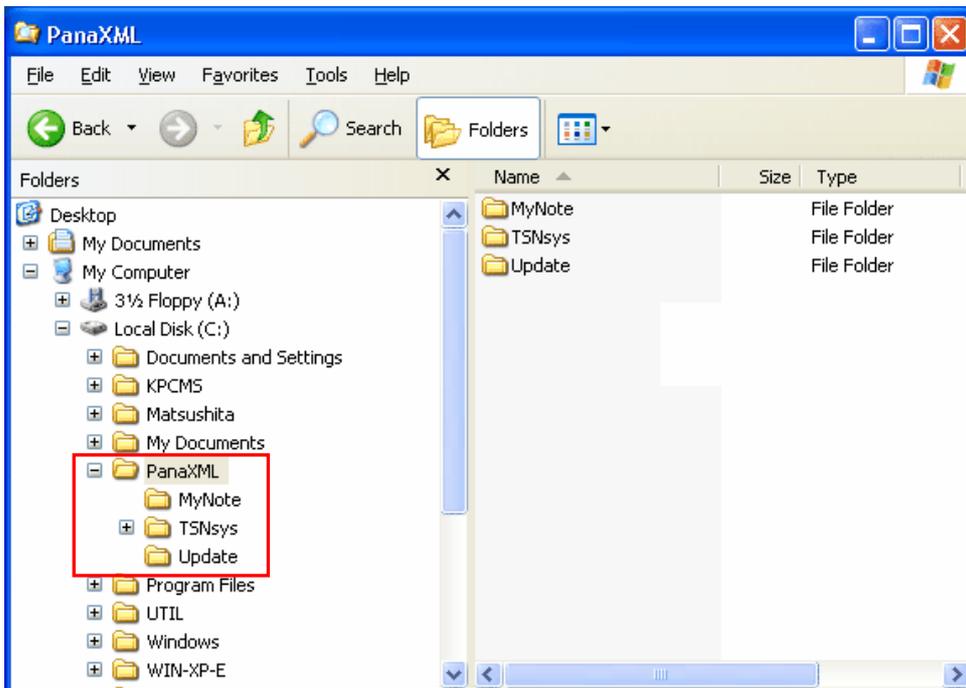
After installing the Service Manual search software and a folder for configuring an environment, the “TSNSys4.1” icon of the Service Manual search software is created.

Double-clicking this icon starts the search software “Panasonic TSNsystem.”



■ **Role of the data folder “PanaXML”**

From the previous installation, the “PanaXML” folder is created on the C drive.



- PanaXML: In addition to the folders and files that are created immediately after installation, data that is downloaded from a server is stored in this folder.
- MyNote: Folder for storing data of the My Note function of SVG diagrams
- TSNsys: Location for storing the search software “TSN system Ver.4.1”
- Update\*: Location for storing update information within a local PC

**Note:** If the above folders do not exist, some of the various functions of XML/SVG Service Manual may not run, or an unexpected error may be displayed.

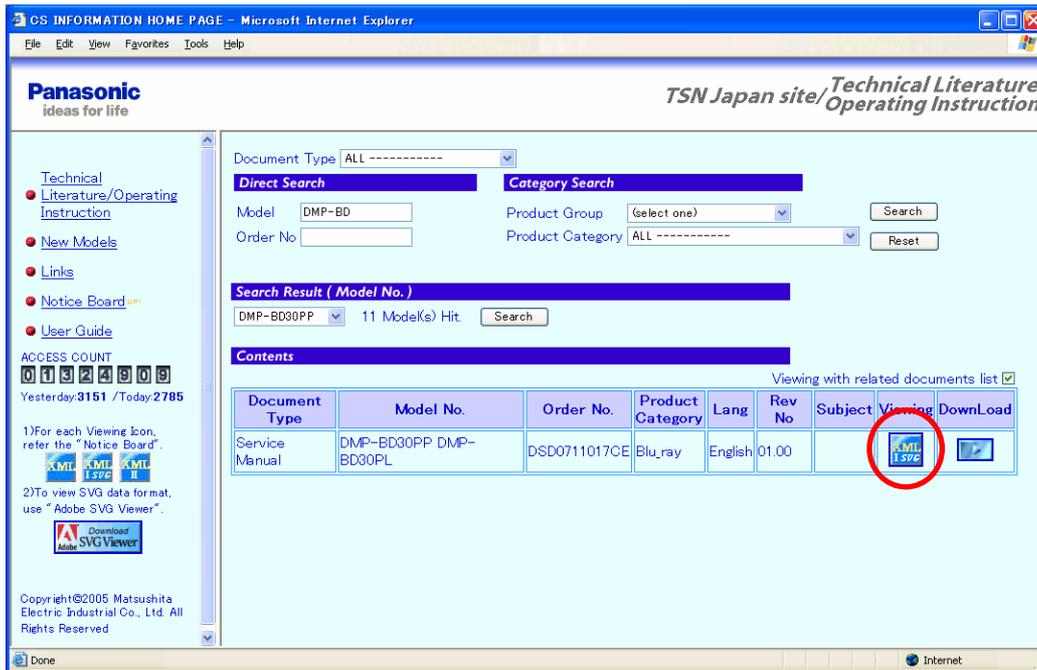
A folder with the character \* is provided for expanding functions in the future.

**3. Activation**

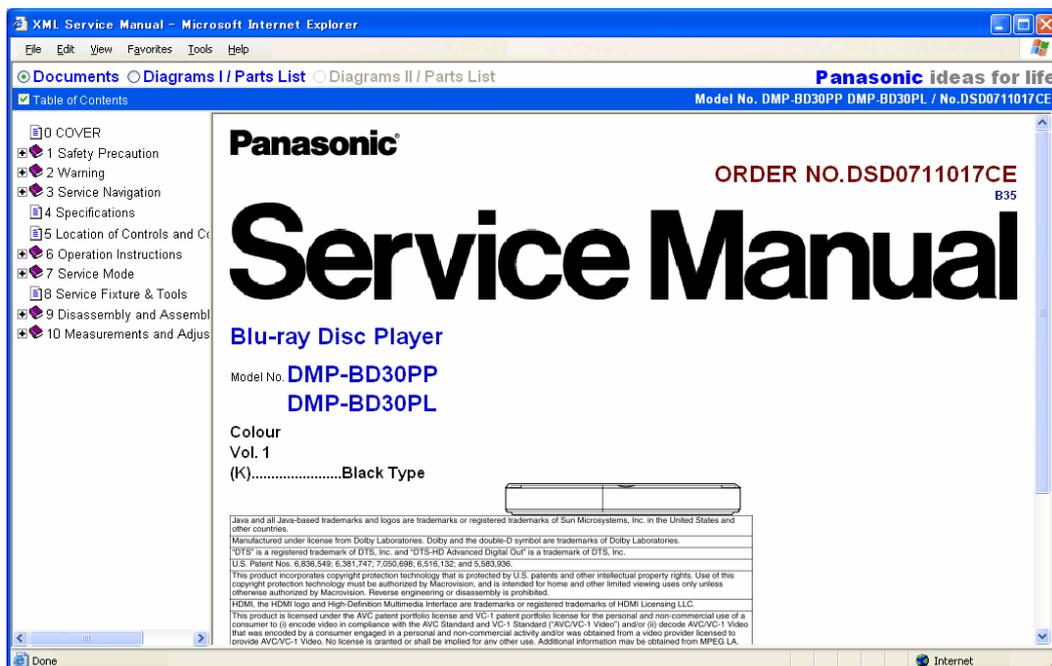
This section shows how to activate the online XML/SVG Service Manual.

**3.1. Activating Online XML/SVG Service Manual**

The XML/SVG Service Manual that contains the XML contents, Text, Parts List and SVG diagrams is displayed as an  icon in the “Viewing” field on the search results screen of the Web site.

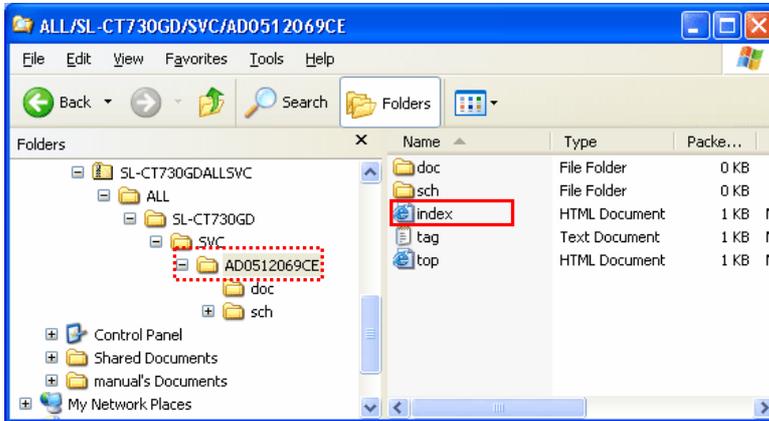


Clicking the  icon in the “Viewing” field opens the intended XML/SVG Service Manual.

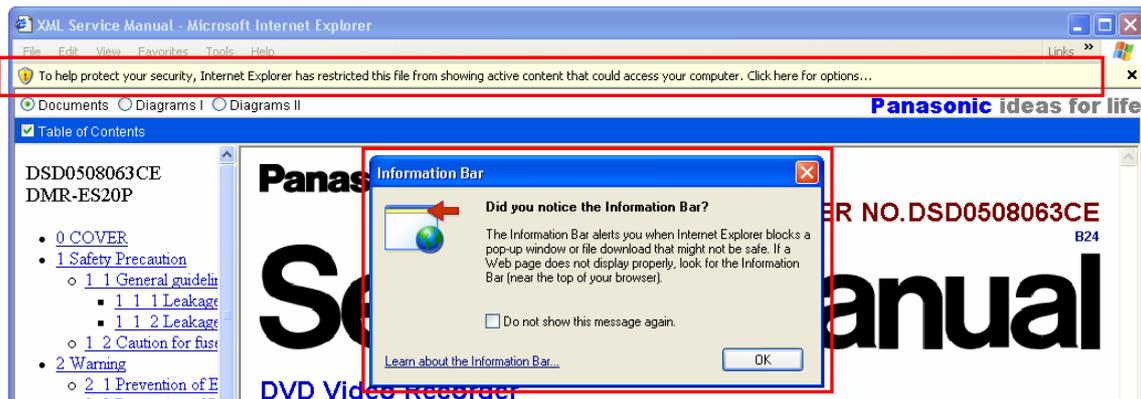


### 3.2. Activating XML/SVG Service Manual on the Computer

To view the XML/SVG Service Manual downloaded from the server, double-click “index.html” directly below the folder with a manual order number to activate the manual.



■ If a pop-up blocker and information bar appear:



If a pop-up blocker appears at the top of the IE window and an information bar is displayed, it is necessary to set up security for IE.

Perform [Security Setting for IE \(refer to Section 2.1\)](#) from “Internet Options” on IE.

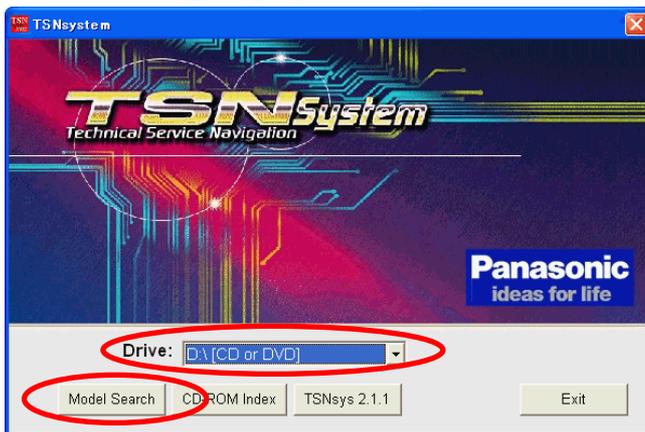
### 3.3 Starting from Service Manual CD-ROM

When viewing Service Manual from TSN-CD, use the search software “TSNsystem (ver.4.1)” as described below.

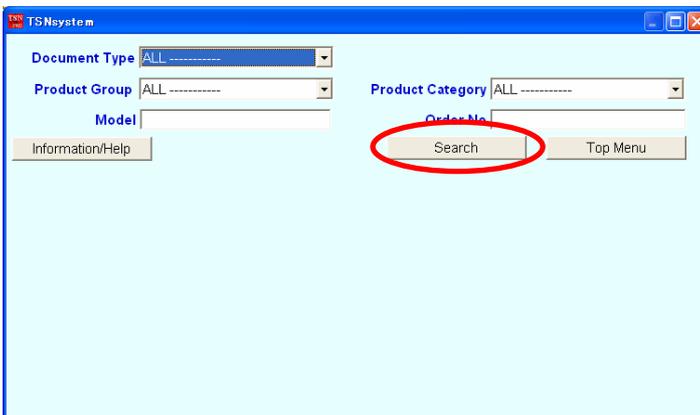
1. Insert the CD-ROM into the CD drive.
2. Double-click the “TSNsys4.1” icon of the search software on the desk top (as shown in the right figure).



“TSNsys4.1” icon



3. Select the “CD” drive in the “Drive” select window.
4. Click the “Model Search” button. → The following “Model Search” screen opens.



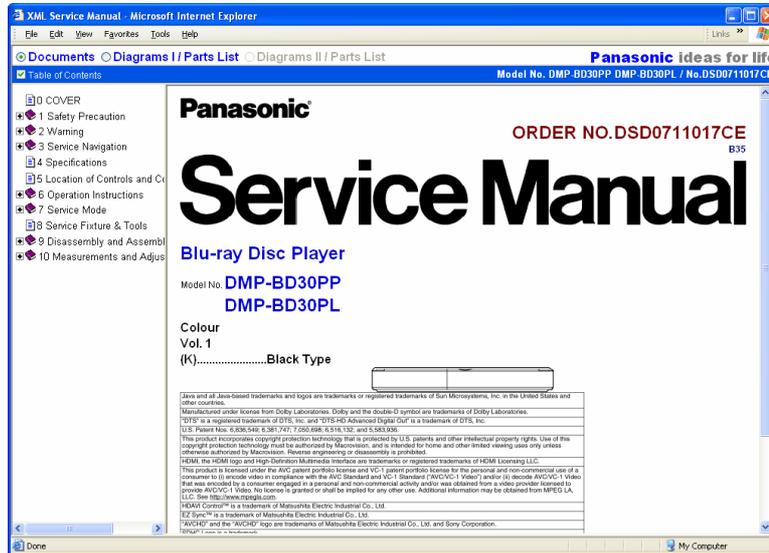
5. Click the “Search” button. → The search result screen opens by default (Document Type “ALL”, Product Category “ALL”).

Document Type	Model Name	Order No	Date of Issue	Rev No	Product Category
Simplified Service Manual	DMC-L865EB DMC-L865EF	DSC0708036AE			Digital_Still_Camera
Supplement Service Manual	DMC-L865EGM DMC-L865EG [XML]	DSC0708515SE			Digital_Still_Camera
Service Manual(for TSN-CD)	DMR-EX77GN DMR-EX87GN [XML]	CHM0708033CE			DVD_Recorder
Service Manual(for TSN-CD)	DMR-EZ47VGN [XML]	CHM0708035CE			DVD_Recorder
Service Manual(for TSN-CD)	EH2300 [XML]	PCD0708A63CE			Beauty_Care_Products
Service Manual(for TSN-CD)	EH2435 [XML]	PCD0708A64CE			Beauty_Care_Products
Service Manual(for TSN-CD)	EH2513 [XML] for Asia	PCD0708A60CE			Beauty_Care_Products
Service Manual(for TSN-CD)	EH2513 [XML] for Europe	PCD0708E11CE			Beauty_Care_Products
Service Manual(for TSN-CD)	ER2403 [XML] for Europe	SD0708E42CE			Personal_Care_Products
Service Manual(for TSN-CD)	ER2403 [XML] for North America	SD0708U41CE			Personal_Care_Products
Service Manual(for TSN-CD)	ER2403 ER2405 [XML]	SD0708M43CE			Personal_Care_Products
Service Manual(for TSN-CD)	ES8113 ES8116 [XML]	SD0708A46CE			Personal_Care_Products
Service Manual(for TSN-CD)	ES8243 [XML]	SD0708U48CE			Personal_Care_Products
Simplified Service Manual	EV7206 [XML]	DTN0708192AE			Power_Tool_Products

6. **Double Click** the line you want to view (Service Manual).

■ When data is “XML”:

→ - IE starts, and Service Manual that was clicked on the search screen opens.



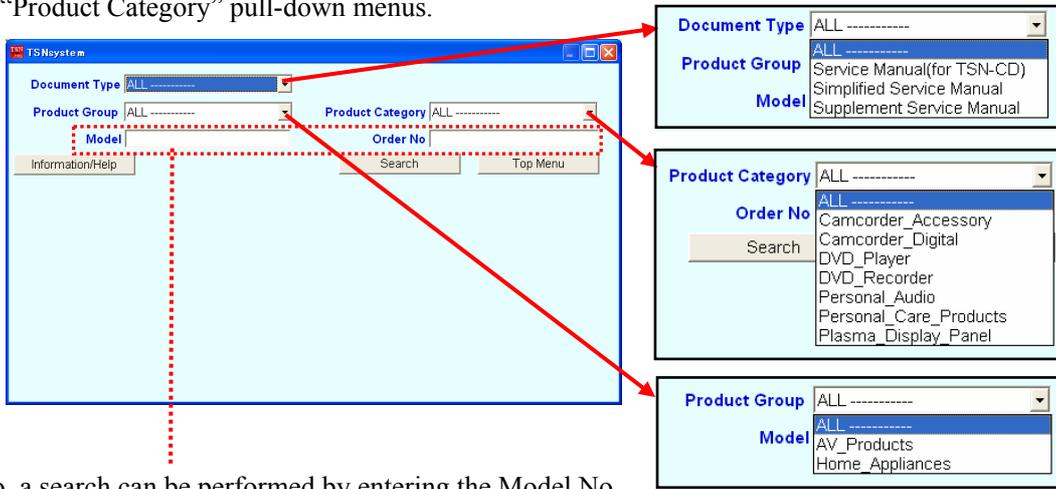
■ When data is “SGML”:

→ - Panaview starts, and Service Manual that was clicked on the search screen opens.



### 3.3.1 Selecting Search Conditions and Performing Search

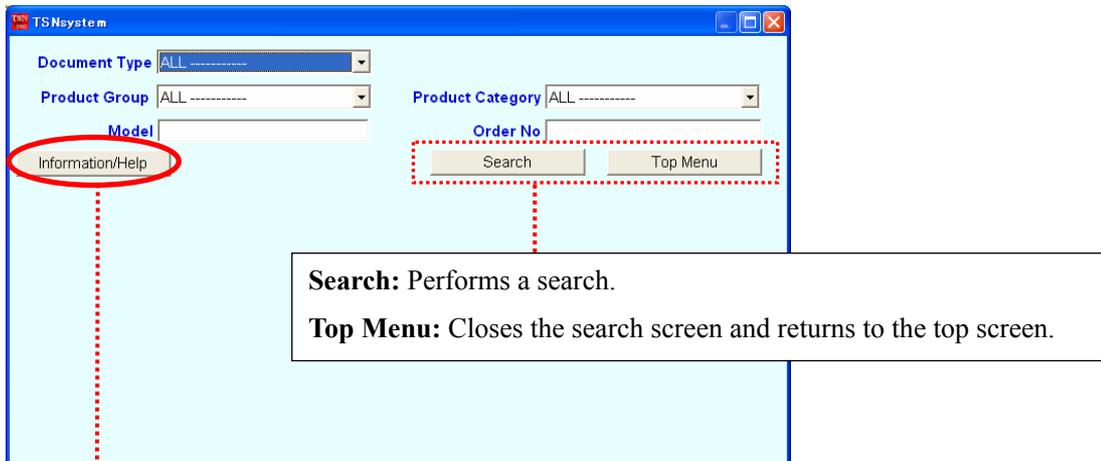
On the search screen, a refined search can be performed by selecting items in the “Document Type” and “Product Category” pull-down menus.



Also, a search can be performed by entering the Model No. and Order No. in the respective fields.

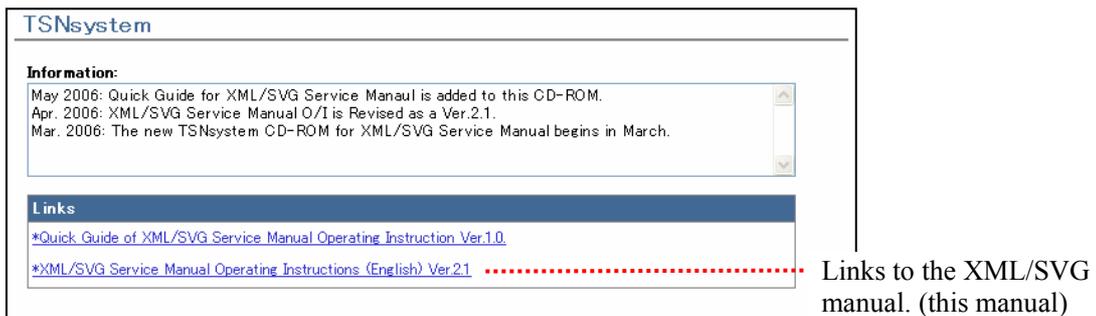
(A partial match search can be performed for the Model No. and Order No.)

### 3.3.2 Buttons on the Search Screen



#### “Information/Help” screen

This screen contains the “Information” column for TSNsystem CD-ROM, and link information.



### 3.3.3 Startup of Old TSN-CD and CD-ROM Index

In the top screen of TSNsystem, the recorded history information for TSN-CDs that have been issued, and buttons for accessing the old system are provided.

■ **Starting a CD of the conventional TSNsystem (ver. 2.1.1):**

To view a TSN-CD that was issued before February 2006, click the “TSNsys 2.1.1” button on the top screen to start an old system, and then perform a search and view the TSN-CD in the old system.

Note: To start an old system using the “TSNsys 2.1.1” button, the conventional TSNsystem ver. 2.1.1 must be installed. When it is not installed, install it from the TSN-CD that was issued before February 2006.

“New TSNsystem (Ver. 4.1)”

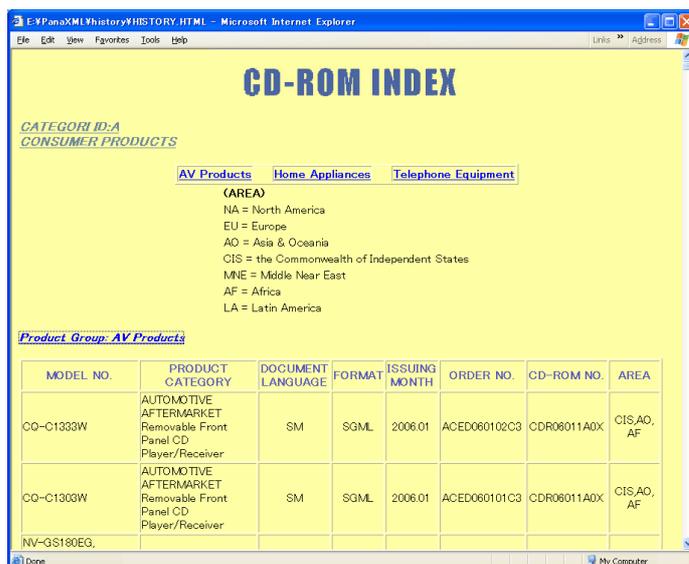


“Old TSNsystem (Ver. 2.1.1)”



Exit: Exits from TSNsystem.

■ **CD-ROM Index:**



“CD-ROM Index” that saves the issue information on TSN-CDs having been issued after the year 2000 opens.

Using IE’s search function, a search can be performed to find out which TSN-CD issued the manual you want to view.

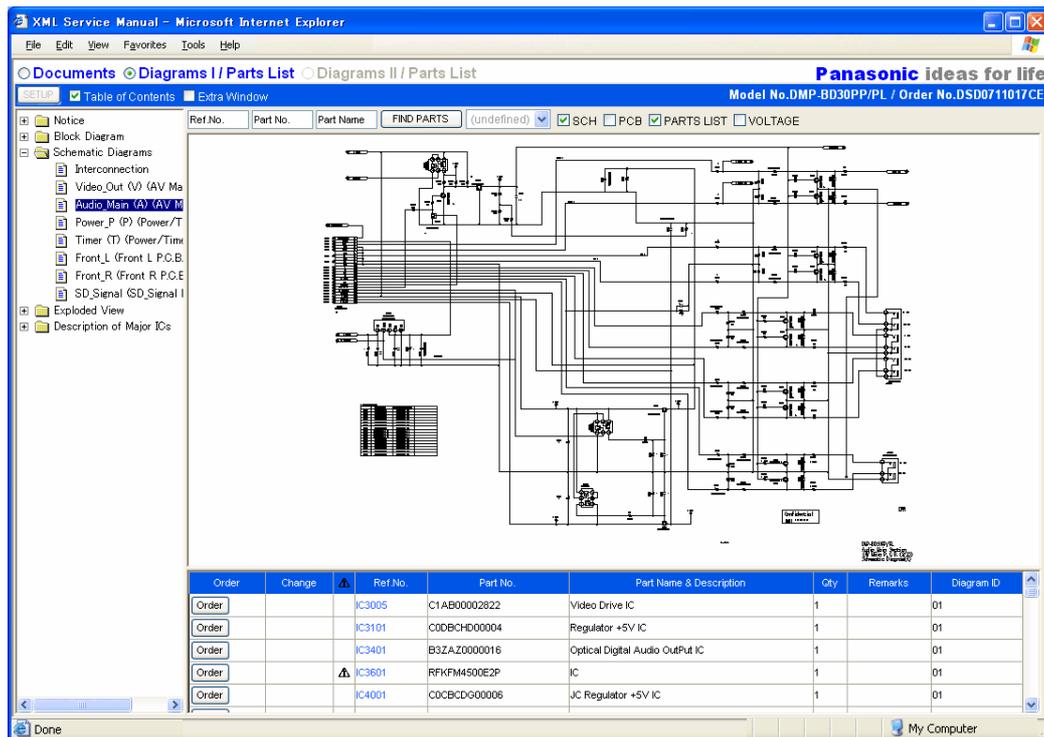
### 3.4. Displaying SVG Diagrams/Parts List

When the XML/SVG Service Manual is opened, the following opening screen will appear.

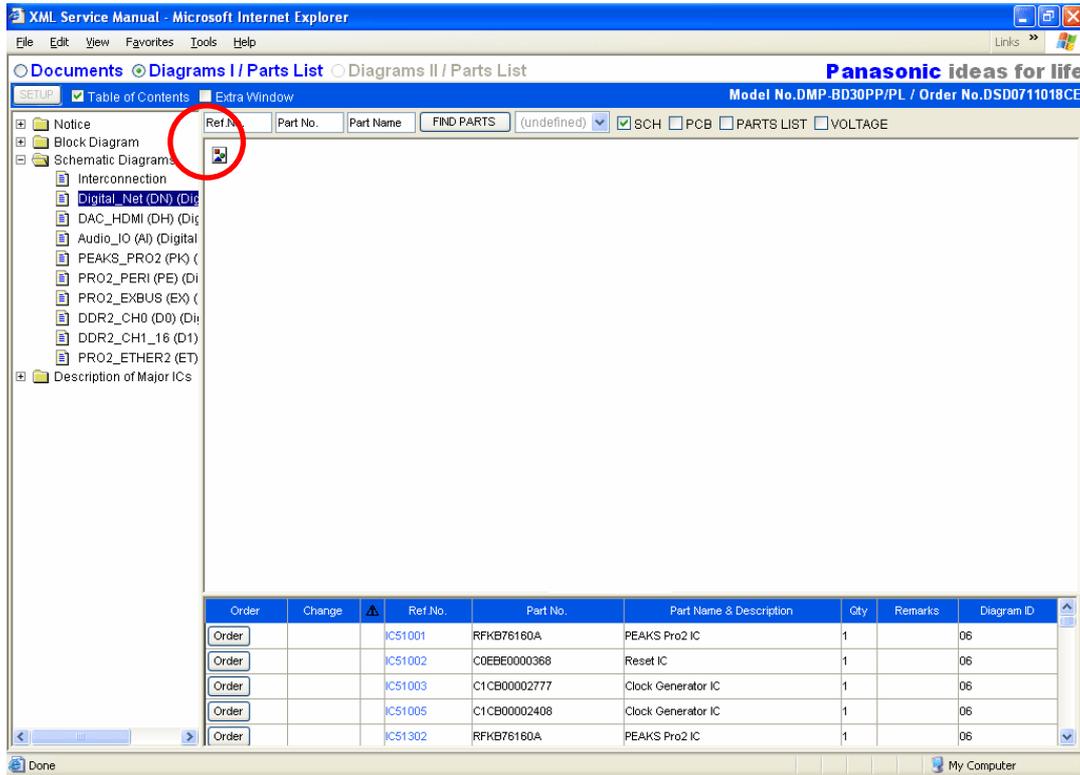
- Document:** Information on the contents is contained (some of the products include diagrams and Parts List).
- Diagrams I / Parts List:** Information on **SVG diagrams, exploded view, Parts List**, etc., is contained.
- Diagrams II / Parts List:** Information on exploded view, Parts List, etc., will be included. (When no information is contained, that option will be grayed out in the display.)



1. Click the check button of “Diagrams I / Parts List” to open Diagrams I.
2. Click the “Schematic Diagrams” tree index to open, and click one of the schematic diagrams to open the schematic diagrams.



■ If an SVG diagram is not displayed:



When an icon is displayed in the upper left of the diagram display and the diagram is not displayed, it is possible that installation of SVG Viewer Ver.3.0 or later was not successful.

[Install Adobe SVG Viewer Ver.3.0 or later.](#)

**4. Basic Operation**

**4.1. Display Screen Handling for the Content**

When the XML/SVG Service Manual is opened, the following opening screen will appear.

**Documents:**

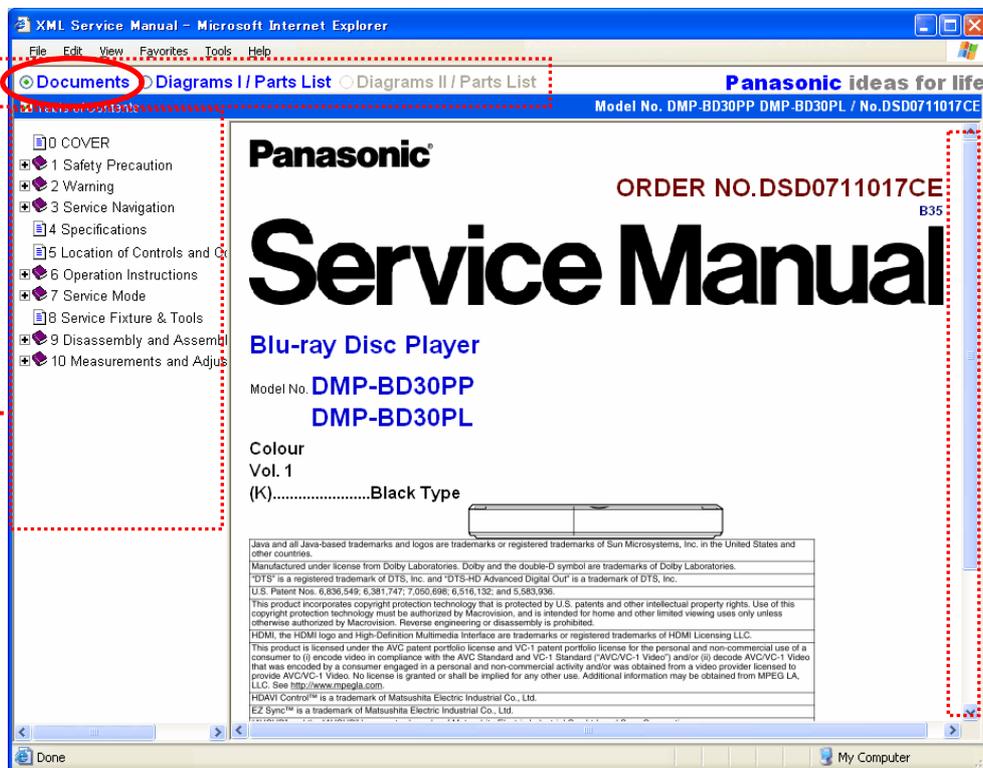
Contains information on the content (some products include diagrams and Parts List).

**Diagrams I / Parts List:**

Contains information on SVG diagrams, exploded view, Parts List, etc.

**Diagrams II / Parts List:**

Includes information on exploded view, Parts List, etc. (When no information is contained, that option will be grayed out in the display.)



**Index of the Content:**

Displayed in three layers, and when clicking on a target item, it proceeds to that page.

**Scroll Bar:**

In this manual, each section is in a separate file.

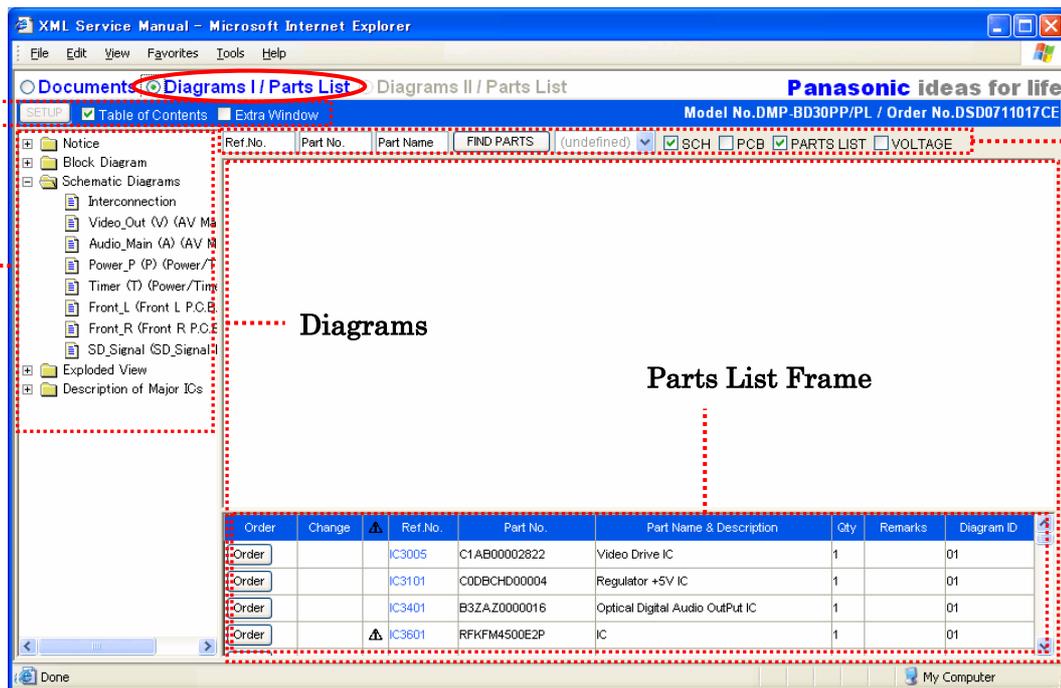
It is possible to move up and down with the scroll bar within a section.

## 4.2. Display Screen Handling for Diagrams I

When clicking the radio button for “Diagrams I” on the menu bar, the initial screen will appear, but diagrams will not be displayed in the initial screen.

**SETUP:** A “[SETUP Window](#)” will open to specify various settings for user information, links, etc.

**Table of Contents/Extra Window:** This switches between display/undisplay for the Table of Contents/Extra Window.



**Table of Contents:** When clicking on a “folder” icon or folder name, the items contained therein will be displayed. (Click again to close.)

Clicking an item displays related diagrams in the diagrams frame.

Note: The type, names, and quantity of folders vary depending on the service manual.

**Find Parts:** Searches parts in the Parts List and displays a list of the search results.

**Diagram Display Switch:** Switches among displays for schematic diagrams, printed circuit board, Parts List, and voltage.

**SCH:** Schematic diagrams are displayed in the diagrams frame.

**PCB:** The printed circuit board is displayed in the diagrams frame.

**EXPLODED** (for exploded view): The exploded view is displayed.

**PARTS LIST:** The Parts List is displayed in the diagrams frame.

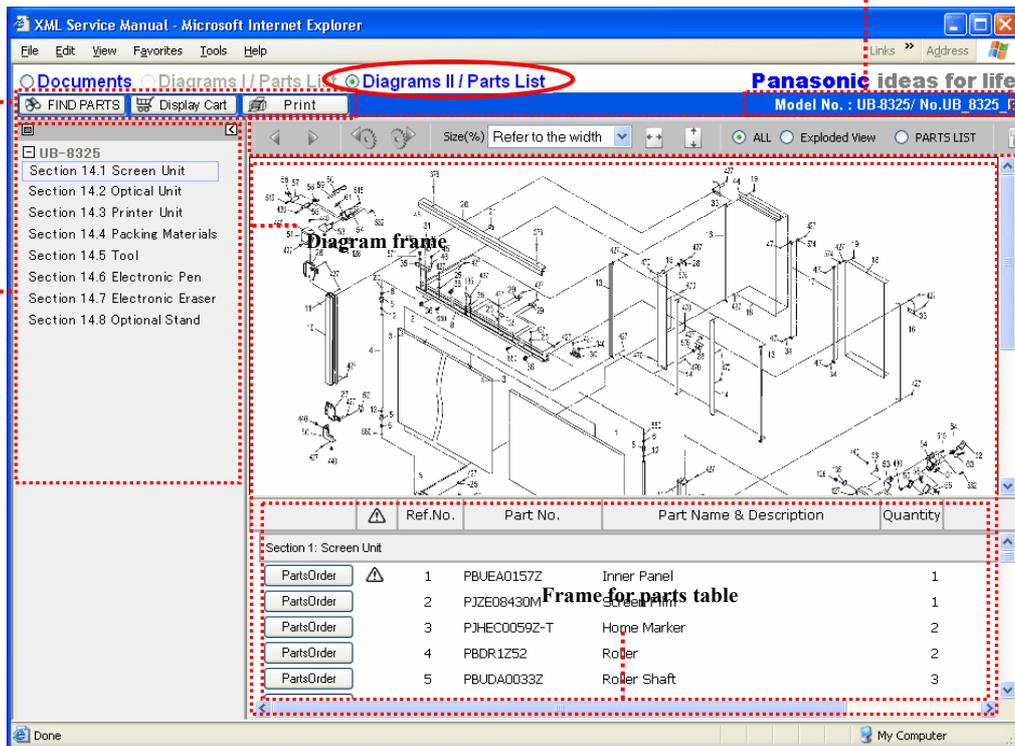
**VOLTAGE:** When the Parts List is displayed, voltage is also displayed by dividing the Parts List frame.

### 4.3 Screens of Diagrams II

Clicking the radio button for “**Diagrams II**” on the menu bar displays the initial screen as shown below.

**Diagrams II Menu Buttons:** Opens the screens for parts search, cart display, and print layout.

#### Model Number and Order Number Indication

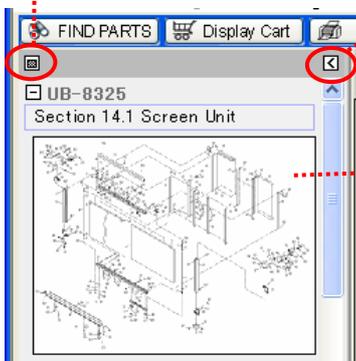


**Displaying Contents/thumbnails of Diagrams:**

Displays an area for “contents” and “thumbnails”

**Switching button for contents/thumbnails:**

Switches the display between contents and thumbnails.



**Hide button for contents/thumbnails:**

Closes the display area for contents and thumbnail.

(Frames for displaying diagrams and parts table expands.)

<Example of a thumbnail display>

**Menu bar:** From the left, buttons for page feed, feed for parts with the same diagram number, diagram display size, diagram switching, and preview display are arranged.

+ **ALL:** Displays the two screens of Exploded View and Parts List.

+ **Exploded View:** Displays only one Exploded View screen in the diagram frame.

+ **Parts List:** Displays only one Parts List screen in the diagram frame.

For operations of diagram II, see “[5. Operations of Diagram II](#)”.

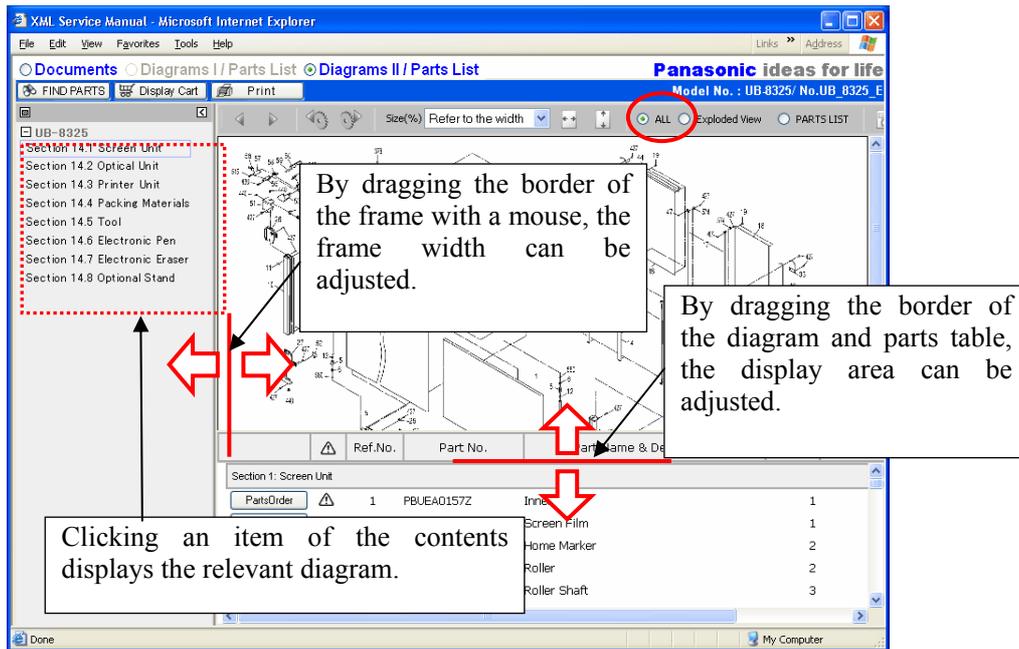
## 5. Operations of Diagrams II

“Diagrams II” includes information on Exploded View and Parts List, etc. The following describes the operations of Diagrams II.

### 5.1 Displaying Diagrams

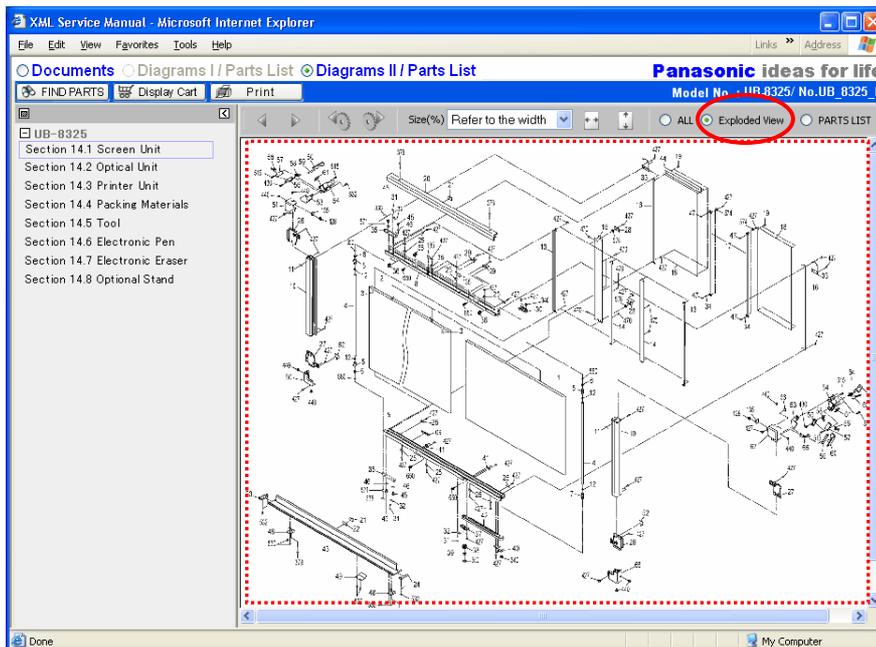
#### 5.1.1 Displaying All (Expanded Diagram and Parts Table)

For the initial display of the “Diagrams II” screen, Exploded View and Parts List are displayed as shown in the figure below. (display of “ALL”)



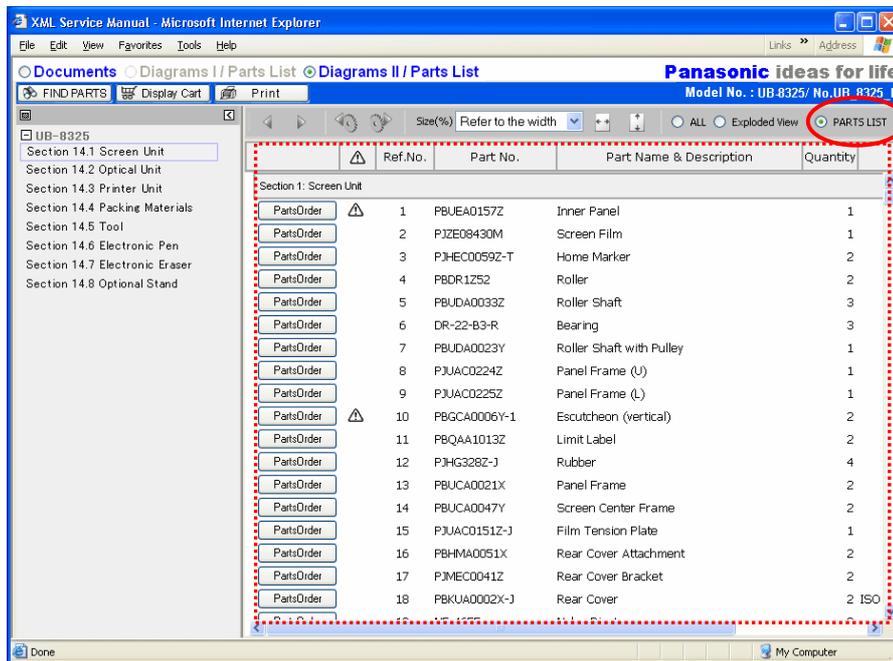
#### 5.1.2 Displaying Expanded Diagram

Clicking the “Exploded View” radio button displays Exploded View as shown below.



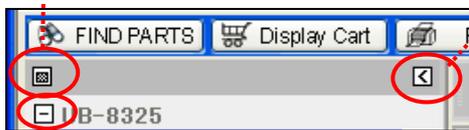
### 5.1.3 Displaying Parts Table

Clicking the “Parts List” radio button displays Parts List as shown below.



### 5.1.4 Contents/Thumbnail Display Switching Function

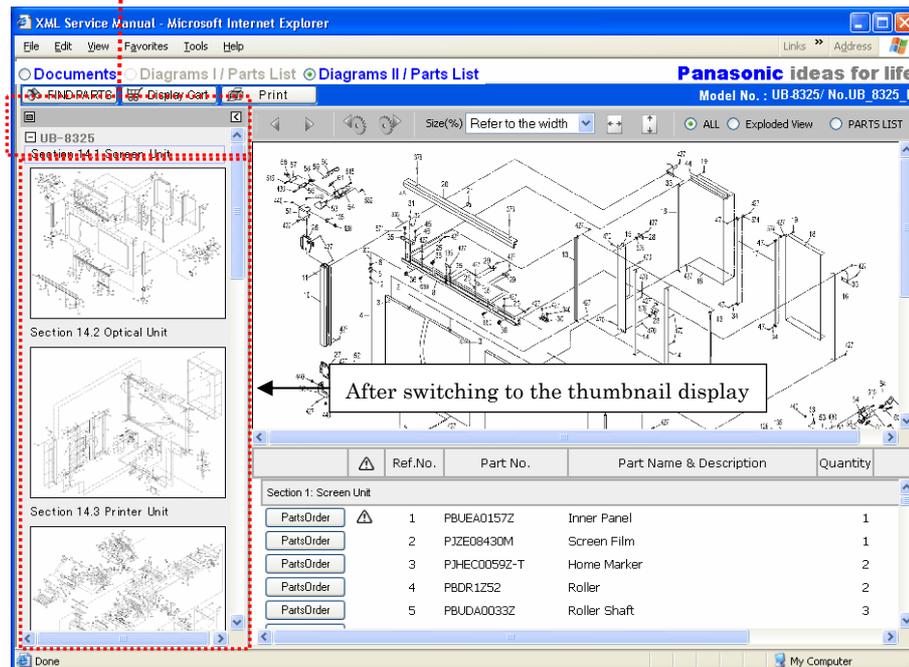
Switching button for contents/thumbnails: Switches the display between contents/thumbnails.



**Hide button for contents/thumbnails:**

Closes the display area for contents and thumbnails.

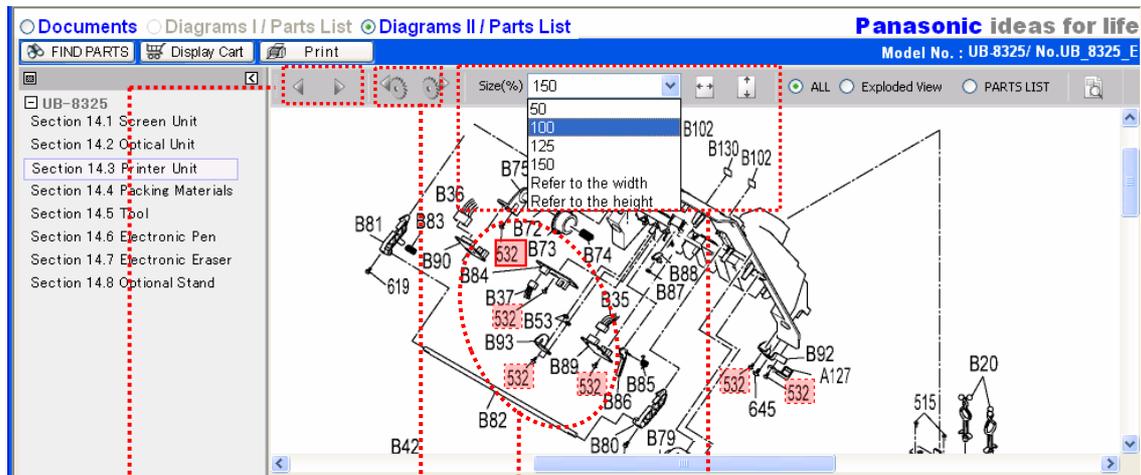
(Frames for displaying diagrams and parts table expands.)



The contents/thumbnails display closes and the button changes to a + mark. Clicking the button again opens the display.

### 5.1.5 Menu Bar Display Switching Function

The page feed for a diagram and display size can be adjusted.



**Page feed for a diagram**  
(previous page/next page)

**Button for feeding parts with the same Ref. No.**  
(previous part/next part)

When there are multiple parts with the same Ref. No. in the displayed manual, the display of the parts can be switched.

**Selecting the display size of a diagram**

- Selecting the magnification:  
50, 100, 125, or 150%
- Refer to the width
- Refer to the height



- Refer to the width



- Refer to the height

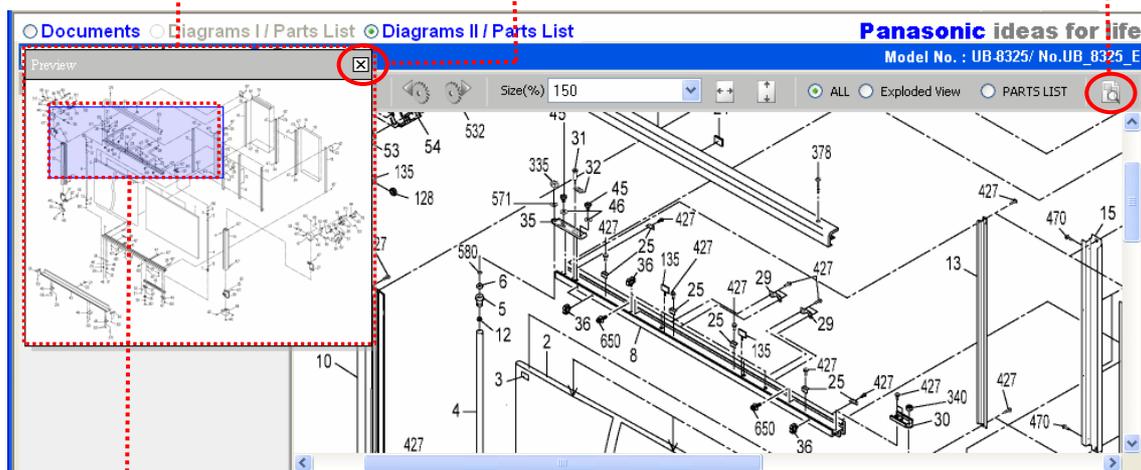
### 5.1.6 Preview Displaying Function

Clicking the “Preview” button on the leftmost of the menu bar displays the preview screen.

**Screen for displaying preview**

**Button for closing the preview screen**

**Preview button**



**Area for displaying a diagram:**

Shows the area that is displayed in the right diagram frame.

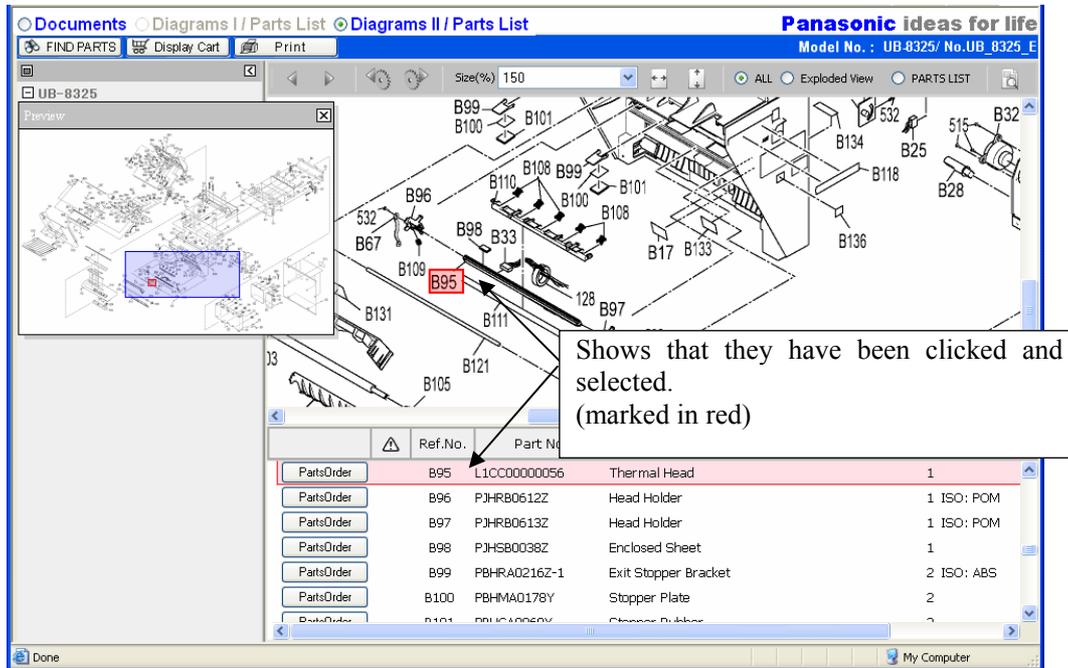
By dragging this part with a mouse, the area for displaying a diagram can be moved.

## 5.2 Displaying Links for Parts

### 5.2.1 Displaying Links for Parts

“Diagrams II” exchanges links between “Ref No. of Exploded View” and “items for parts list”.

When either link is clicked, the other part is automatically displayed.

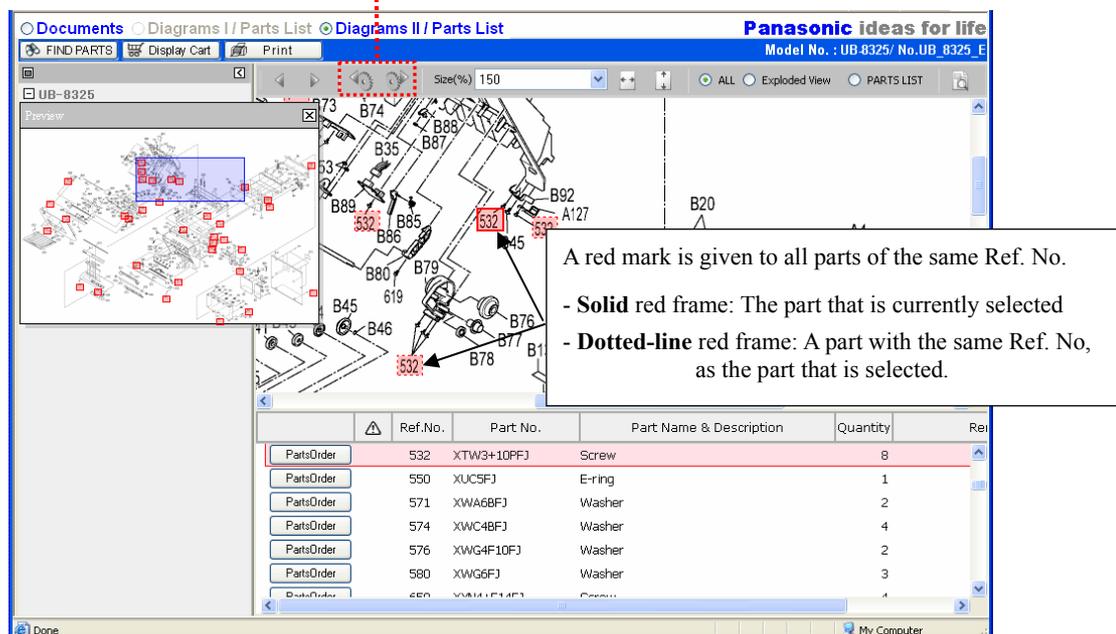


### 5.2.2 Displaying Links for the Same Ref. No.

When there are multiple parts with the same Ref. No. in the displayed manual, a red mark is given to all parts of the same Ref. No.

**Button for feeding parts with the same Ref. No.:** Sequentially displays parts

with the same Ref. No.



### 5.3 Searching Parts

The following describes the operations of the parts search screen.

**Fields for entering search conditions:**

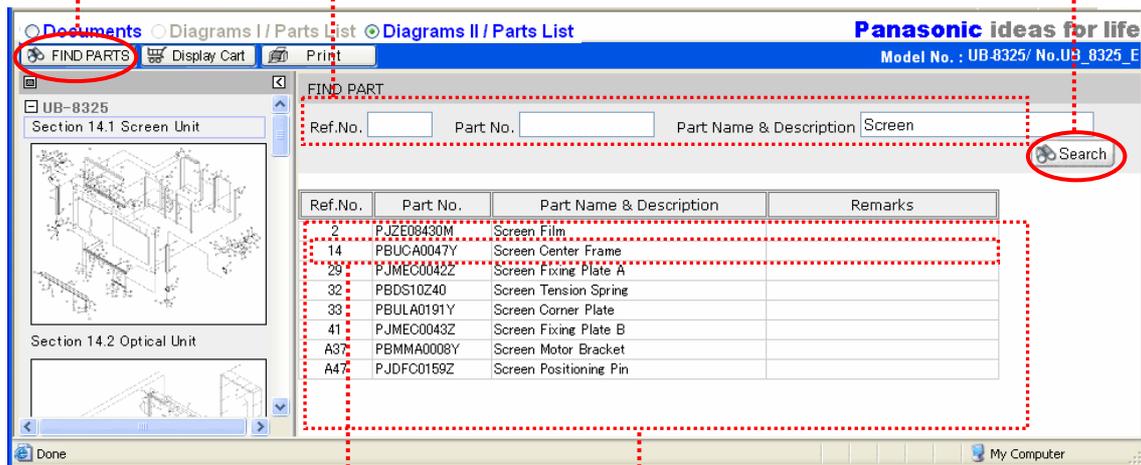
A search is performed with AND conditions of the following three items.

- Ref. No.: Complete match
- Part No.: Partial match (it is not case sensitive, and ignores hyphens)
- Part Name & Description: Partial match

**Find Parts button:**

Brings the search screen in the diagram frame.

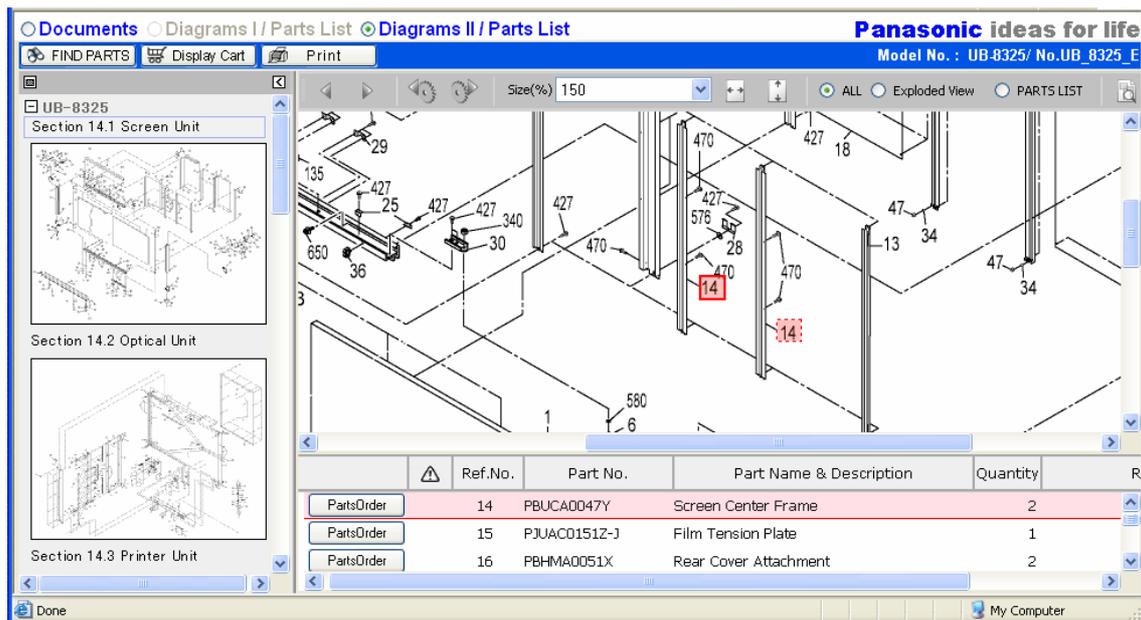
**Search button**



**Area for displaying search results:**

The above figure shows an example of a search being performed with the part name “Screen.”

**Displaying searched parts:** When a searched line is clicked, it is displayed with Ref. No. of Exploded View and the relevant part selected.

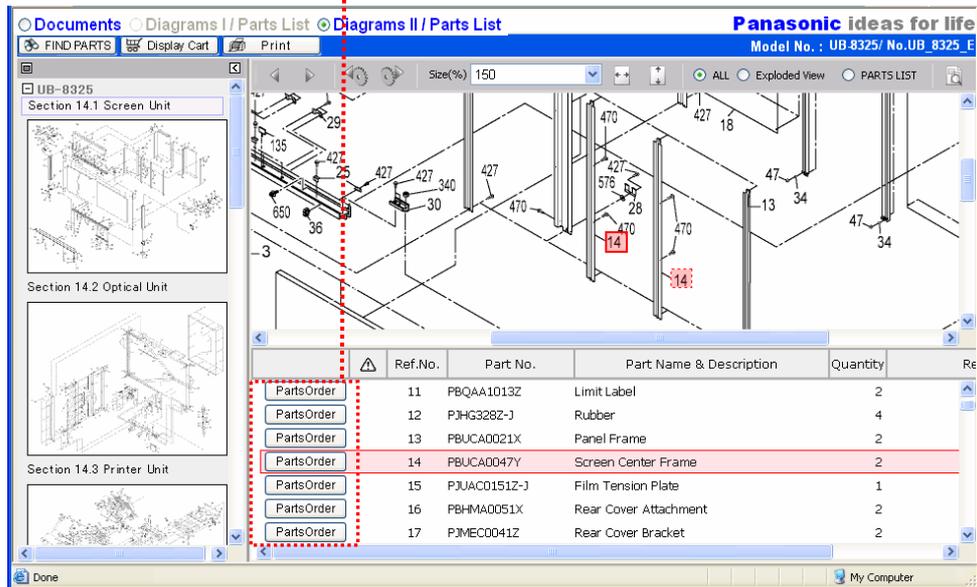


### 5.4 Ordering Parts

The following describes the operations of the parts search screen.

#### 5.4.1 Selecting Ordering Parts

To bring a part to the cart for ordering, click the “Parts Order” button at the beginning of the line for the part you want to order.



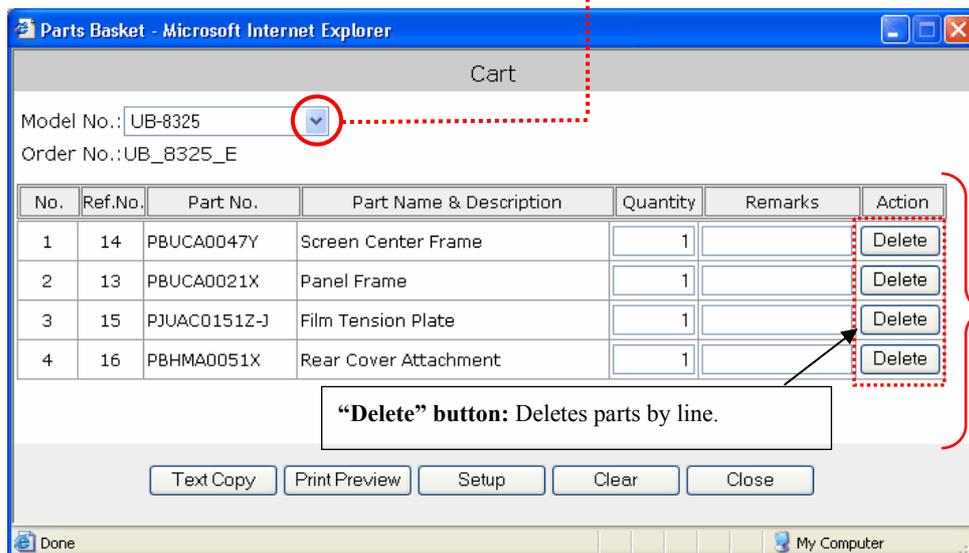
#### 5.4.2 Displaying Cart

Clicking the “Display Cart” button on the menu bar opens the cart.



When there are multiple top levels of the contents, Model No. can be selected from the pull-down menu.

**Area for displaying ordering parts:** Displays a list of parts for which the “Parts Order” button was clicked.

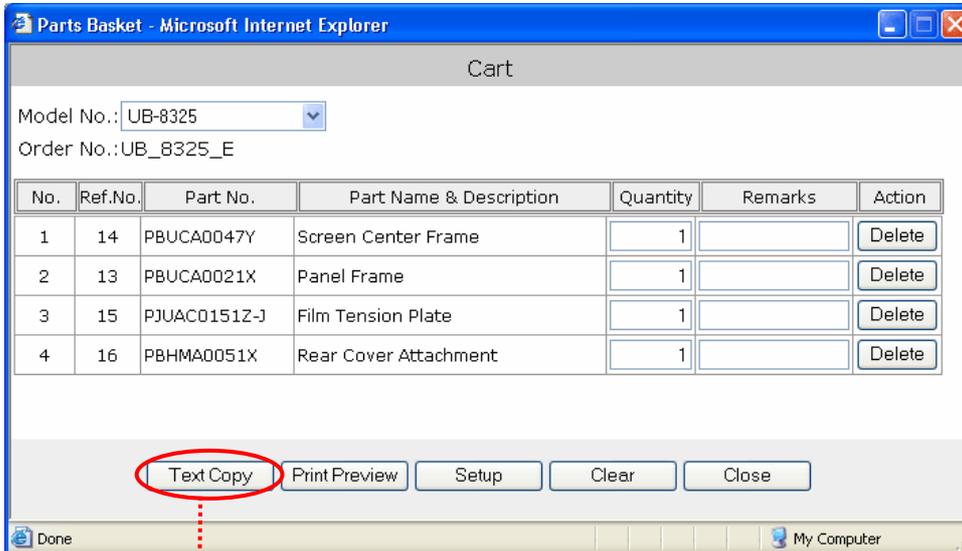


**“Clear” button:** Erases the information in the cart and closes the cart screen.

**“Close” button:** Closes the cart. (The information remains in the cart)

### 5.4.3 Ordering Parts (Default: Copying Text for Ordering Parts)

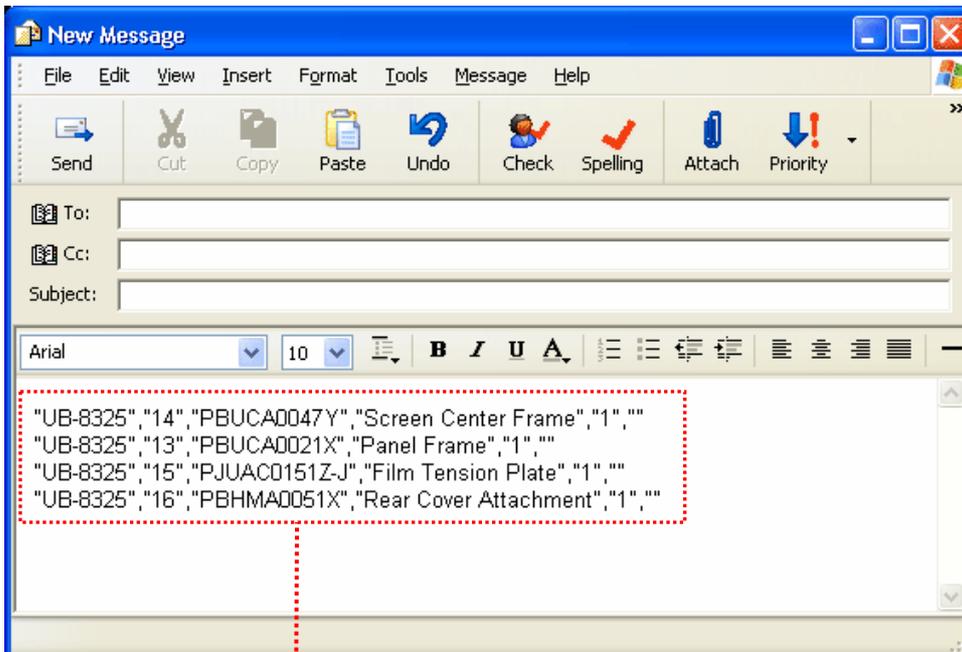
By clicking the “Text Copy” button in the cart, the information in the cart is copied to the PC clipboard.



“Text Copy” button: Copies the information in the cart to the PC clipboard.

#### ■ Example of ordering parts by Email:

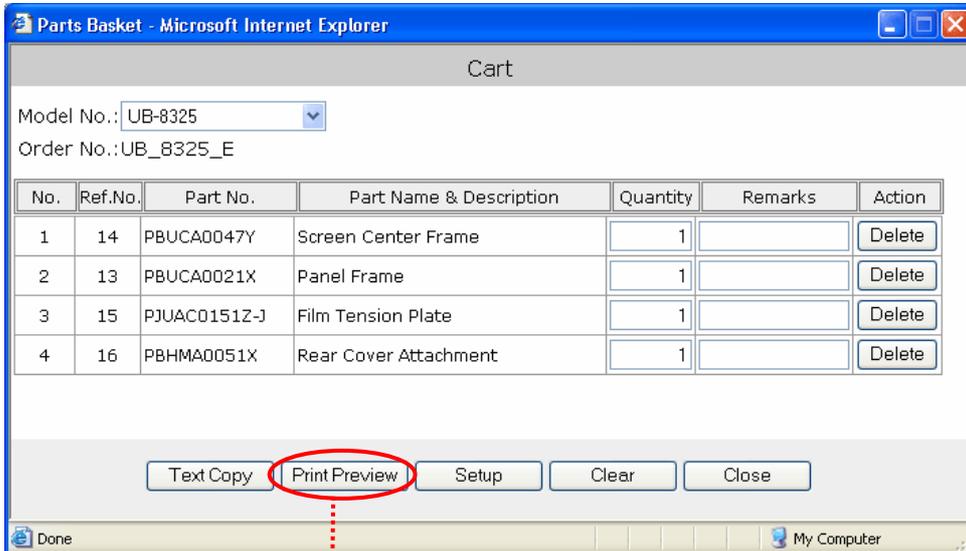
After clicking the “Text Copy” button in the above “Parts Basket” screen, paste (“Ctrl” + “V” on the keyboard) the information to Email software such as Outlook, and email the parts ordering information to the person receiving the parts order.



An example of pasting the contents of the PC clipboard.

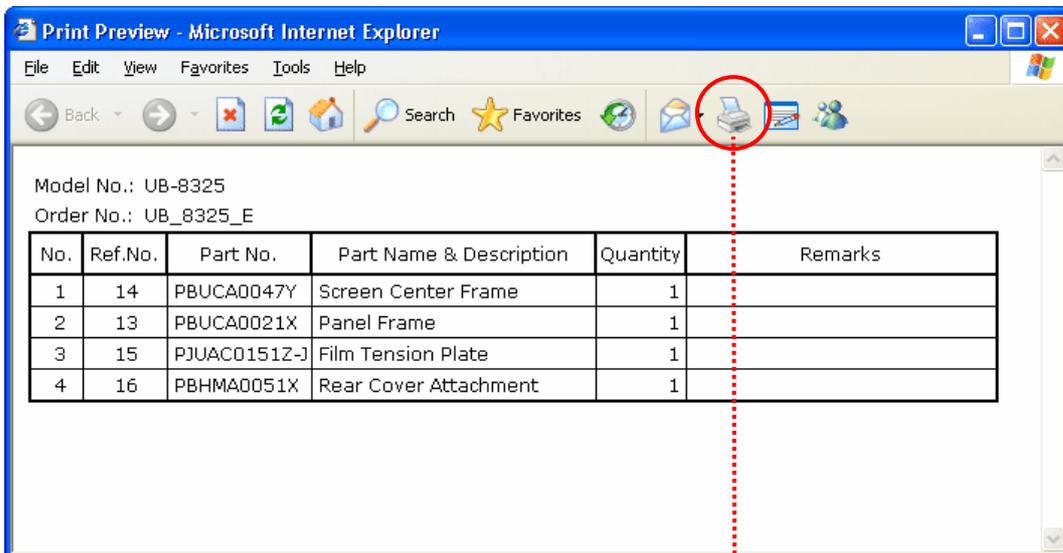
### 5.4.4 Printing Cart Information

By clicking the “Print Preview” button in the cart, the information in the cart is converted into HTML for printing, and can be displayed.



“Print Preview” button: Converts the information in the cart into HTML for printing and displays it.

[Display of the information in the cart in HTML for printing]

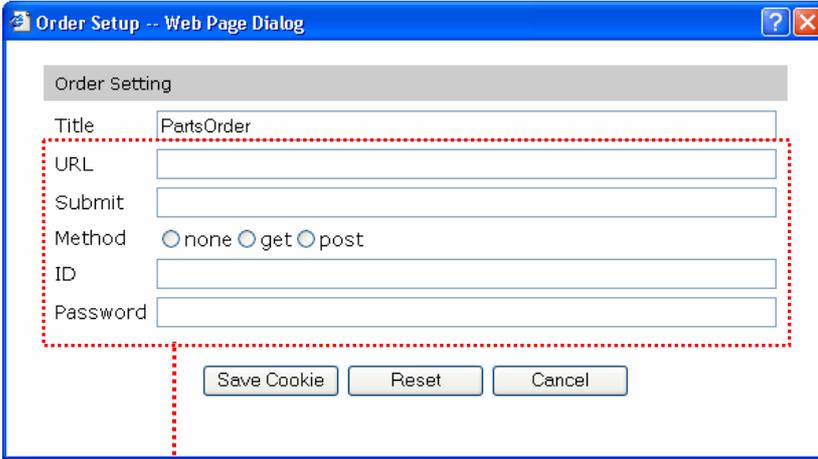


To print this screen, click the  button of the IE’s standard button, and print it.  
 (Alternatively, click “File”→ “Print” to start the “Print” window, and instruct to print.)

5.4.5 Setting a Cart



By clicking the “Setup” button in the “Parts Basket” screen, the access settings can be specified for the parts ordering website (if there is one).



■ **Entering access conditions for parts ordering website:**

If there is a parts ordering website, check the access conditions from the server administrator of the parts ordering website, and enter the conditions.

■ **Saving the Settings and Resetting:**

- “Save Cookie”: Saves the setting information in “cookies\*”.

The “Text Copy” button in the “Parts Basket” screen changes to the characters that are entered in the “Title” field of the “Order Setup” screen.



- **Reset:** Returns to the initial setting values.

\* A cookie is a mechanism that allows the information such as user information and access information to be exchanged between a web browser and a web server. In the XML technical guide, a cookie is used for saving the setting information.

■ **Initial setting values:** Clicking the “Reset” button sets the following contents.

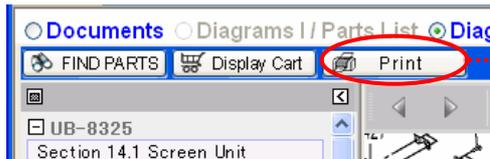
- **Title :** PartsOrder
- **URL :** (blank)
- **Submit :** (blank)
- **ID :** (blank)
- **Password :** (blank)

## 5.5 Printing "Diagrams II" (Exploded View and Parts List)

In "Diagrams II", printing can be performed by using IE's standard function.

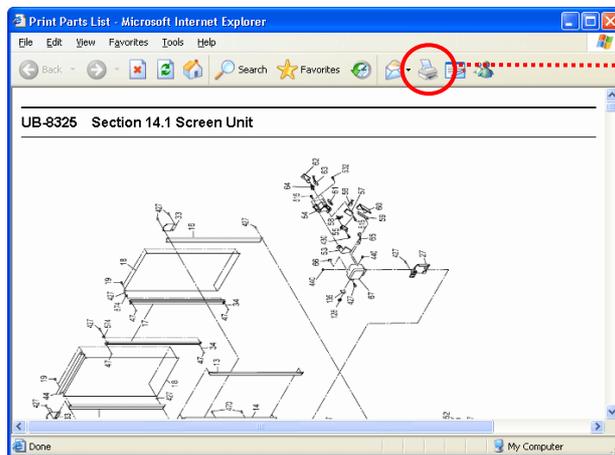
### 5.5.1 Printing in IE's Initial Setting State

Open the "Print Parts List" screen by clicking the "Print" button on the menu bar of "Diagrams II", and perform printing.



"Print" button: Opens the "Print Parts List" screen.

"Print Parts List Window"



Print the print data in "Print Parts List" by clicking the



button of the IE's standard button.

Print layout in the IE's initial setting state:

Print Parts List Page 10 of 24

UB-8326 Section 14.3 Optional Stand

**Header:** Displays the title and page

**Number of lines in the parts table:** A page break is inserted in the 42nd line in the parts table. If there are a large number of line breaks in the same cell, some parts of the cell may be printed on the next page. In such a case, the top and bottom margins should be adjusted in "Page Setup."

**Footer:** URL and output date

file:///E:/XML/sample/UB-8326/VC/XML/7051204/UC/E/macro/html/print\_all.htm 2/4/2004

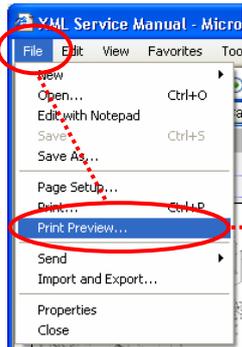
Print Parts List Page 11 of 24

UB-8326 Parts List

Seq.	Part No.	Part Name & Description	Qty./Pkg.	Remarks
Section 1: Screen Unit				
1	PRU00007P	Unit Panel	1	
2	PJTE000004	Screen Film	2	
3	PRU00000T	Frame Material	2	
4	PRU01752	Rubber	2	
5	PRU00011T	Rubber Sheet	2	
6	PRU00000E	Sealing	2	
7	PRU00000V	Rubber Sheet with Frame	1	
8	PRU00000F	Panel Frame (A)	1	
9	PRU00000G	Panel Frame (B)	1	
10	PRU00000H	Touch Panel Material	2	
11	PRU000011	Unit Label	2	
12	PRU000012	Label	2	
13	PRU000013	Panel Frame	2	
14	PRU000014	Screen Corner Frame	2	
15	PRU000015	Thin Taper Plate	1	
16	PRU000016	Rubber Cover Mount	2	
17	PRU000017	Rubber Cover Bracket	2	
18	PRU000018	Rubber Cover	2 SD-PP	
19	PRU000019	Unit Film	4	
20	PRU000020	Touch Panel Support	2	
21	PRU000021	Touch Panel Rubber	2	
22	PRU000022	Sealing Rubber	1	
23	PRU000023	Base Cover (A)	1	
24	PRU000024	Base Cover (B)	1	
25	PRU000025	Touch Panel Bracket	12	
26	PRU000026	Corner Fastener Attachment C	2	
27	PRU000027	Corner Fastener Attachment B	2	
28	PRU000028	Photo-resist	2 SD-PPM	
29	PJTE000002	Screen Film A	2	
30	PRU000030	Rubber Ring Plate	1	
31	PRU000031	Screen	2	
32	PRU000032	Screen Tension Spring	1	
33	PRU000033	Screen Corner Plate	2	
34	PRU000034	Sealing Rubber Tape	2	
35	PRU000035	Rubber Ring Plate	2	
36	PRU000036	Unit Cover	1	
37	PRU000037	Photo-resist	1	
38	PRU000038	Photo-resist	1	
39	PRU000039	Photo-resist	1	
40	PRU000040	Rubber Ring Plate	1	
41	PJTE000003	Screen Film B	2	

file:///E:/XML/sample/UB-8326/VC/XML/7051204/UC/E/macro/html/print\_all.htm 2/4/2004

### 5.5.2 Displaying Print Preview



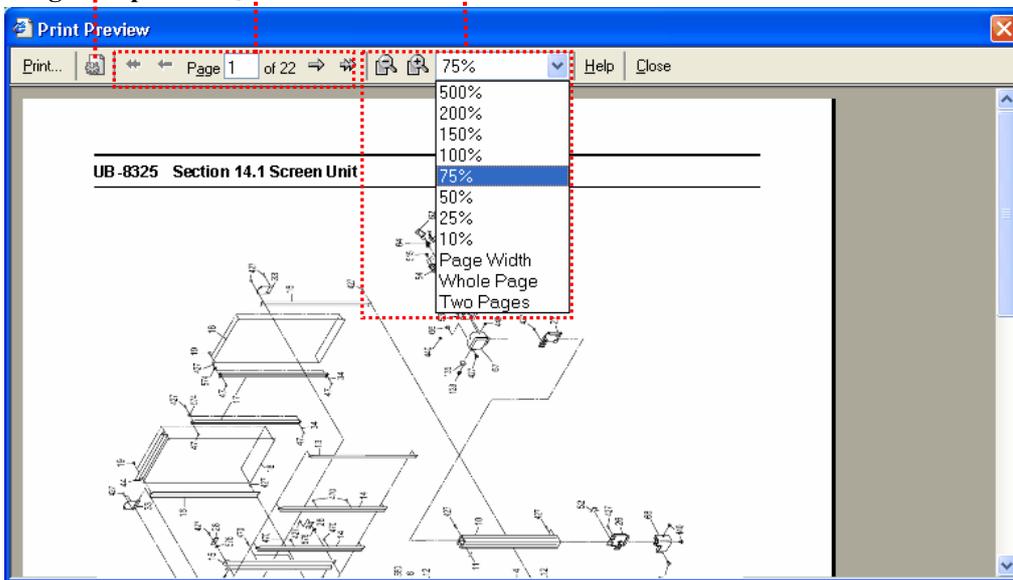
Before printing data in “Diagrams II,” the layout can be checked in the preview screen.

Click “File” → “Print Preview” on the menu bar of the “Print Parts List” screen to open the next “Print Preview” screen.

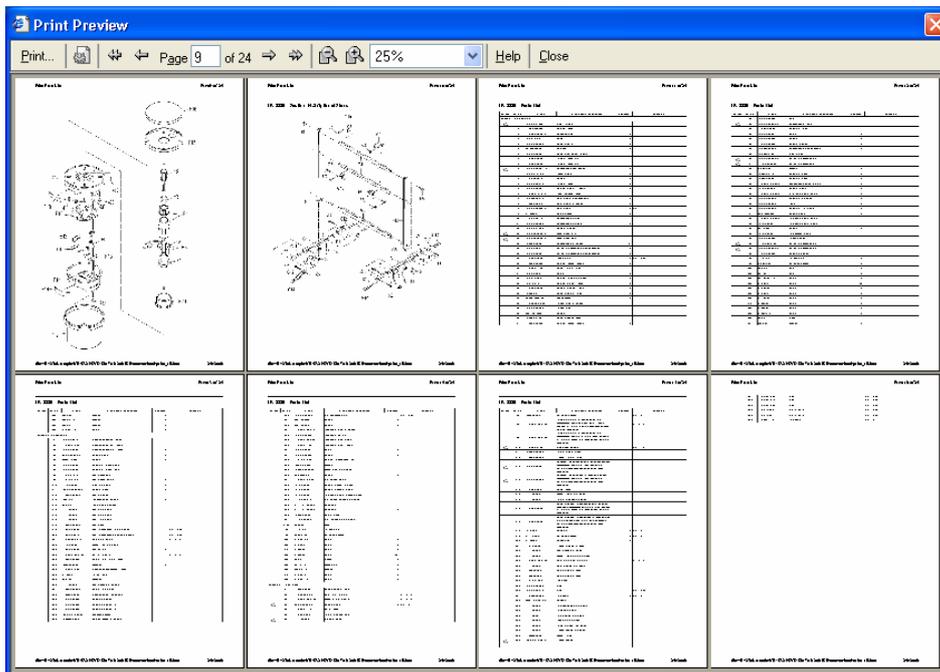
Page setup

Page feed/back

Adjusting the size for the display of the screen (scaling, magnification, two-page display, etc.)

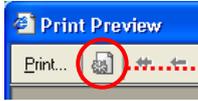


Example of a display with a 75 % reduction: (the overall layout can be checked.)

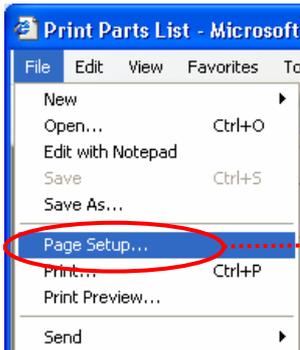


5.5.3 Page Setup

When printing data of “Diagrams II,” paper, header/footer, and margin can be adjusted on the page setup screen.

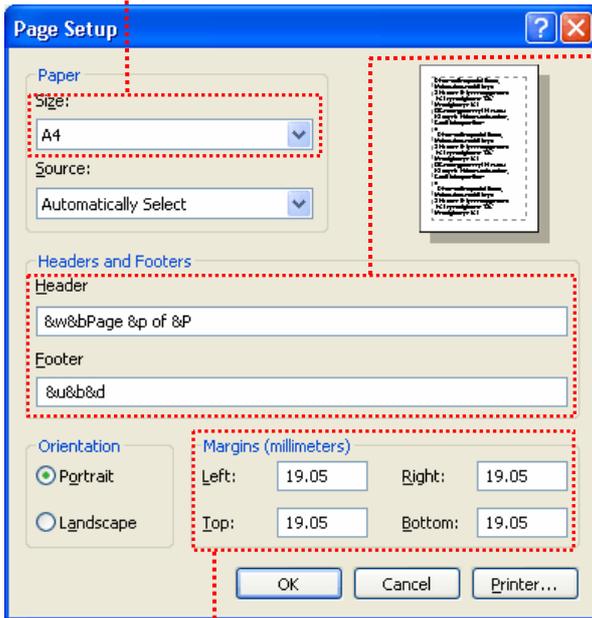


Click the page setup button on the “Print Preview” screen.



Alternatively, click “File” → “Page Setup” on the menu bar on the “Print Parts List” screen in order to open the “Page Setup” screen.

**Paper/Size:** Selects the paper size.



**Setting Header/Footer:**

Specifies the output contents of header/footer by entering commands.

**Commands for Header/Footer:**

Commands	Displayed contents
&w	Window title
&u	Page address (URL)
&d	Data in short format
&D	Data in long format
&p	Current page number
&P	Total page number
&b	flush-right character string (Enter a character string after &b.)
&b&b	centered character string (Enter a character string between &b and &b)

Commands can be used with a combination of character strings. For example, “&p page (total page number &p) is used.

**Adjustment of Margins:**

To increase the displayed area, decrease the numbers in the input fields.

(Example: “14” for Top, and “10” for Bottom in millimeters)

Note: In North America, values are displayed in “inches.”

## 6. Basic Operations of Diagrams I (SVG Diagram)

Information on SVG diagrams, Exploded View, and Parts List, etc. is contained. This chapter describes the basic operations for SVG diagrams.

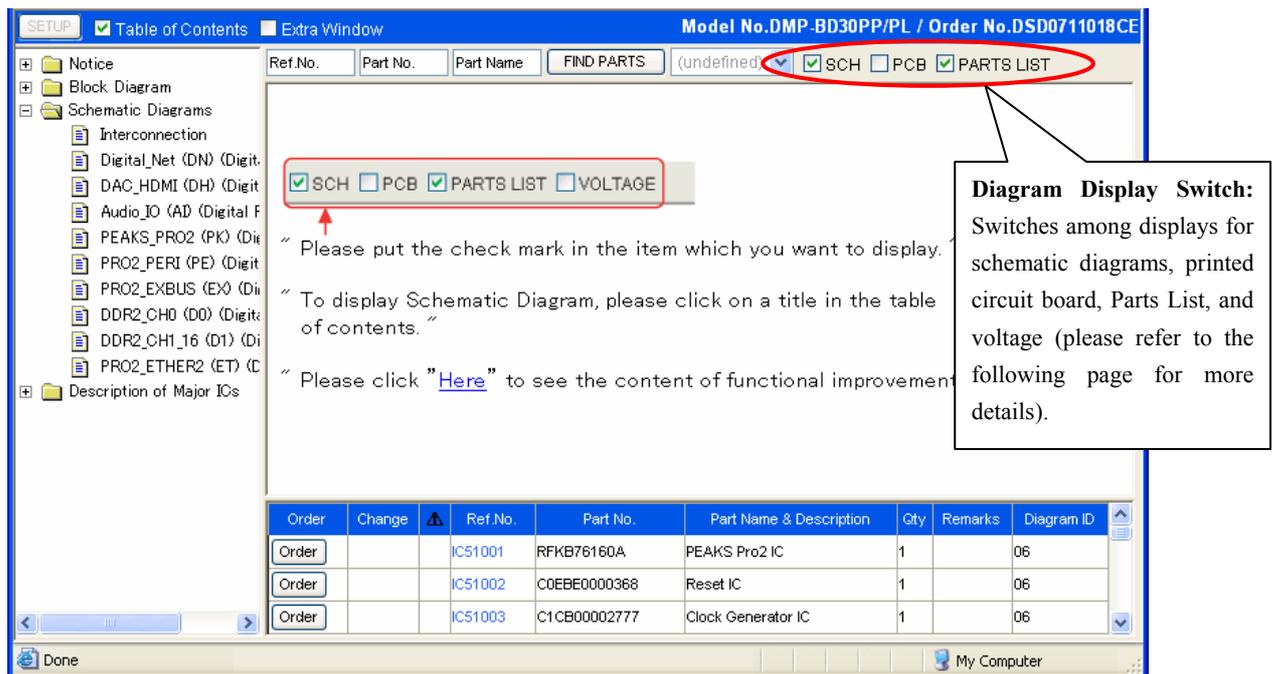
### 6.1. Displaying a Diagram

The Schematic Diagrams (SCH), the Printed Circuit Board (PCB) and the Parts List to be displayed or turned off by the user.

Moreover, the user has an option to save this display frame, ensuring that it and the saved settings will be available the next time the system is booted up (2 links or 3 links).

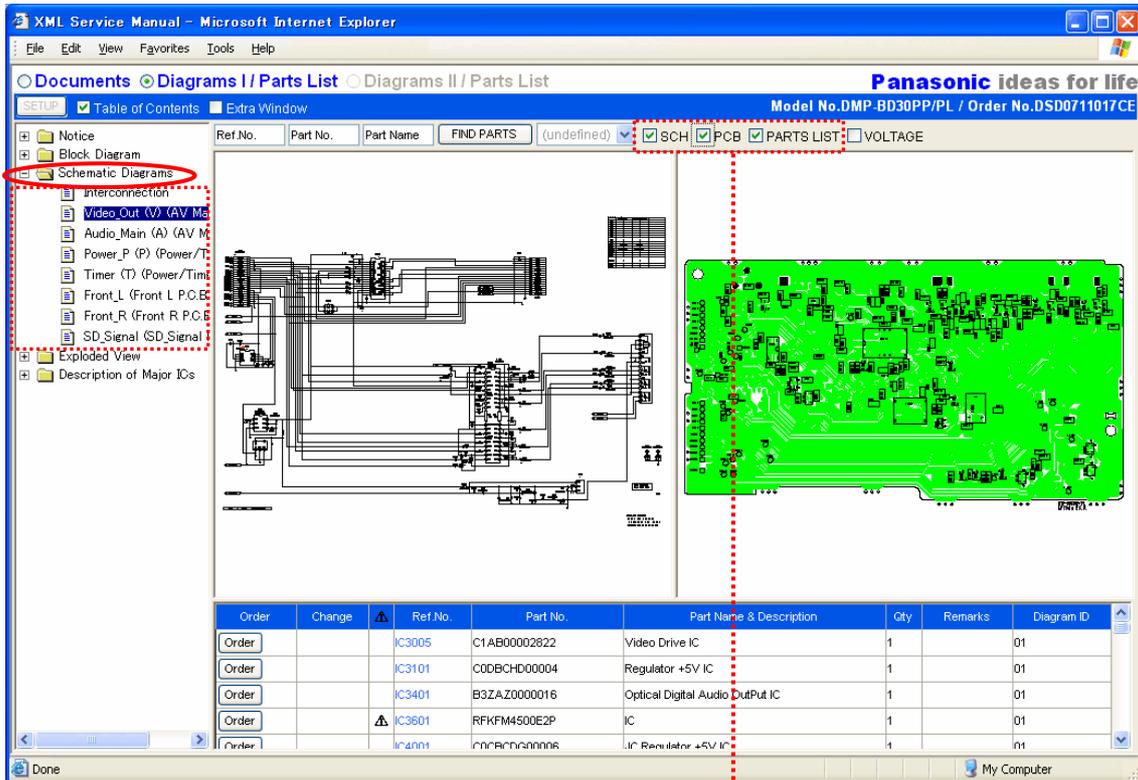
#### 6.1.1 Initial Start-Up Screen (The 2 Point Link Screen)

After starting up the system for the first time, the initial screen will show a 2-point link between the Schematic Diagrams and the Parts List.



**6.1.2. Schematic Selections, Using the Display**

Clicking the “Schematic Diagrams” folder in the tree index and clicking the name of the schematic diagram displayed beneath it will respectively display the diagrams and Parts List which selected with the Diagram Display Switch.



■ **Diagram Display Switch:**

Select (check) the diagrams and/or Parts List for displaying.

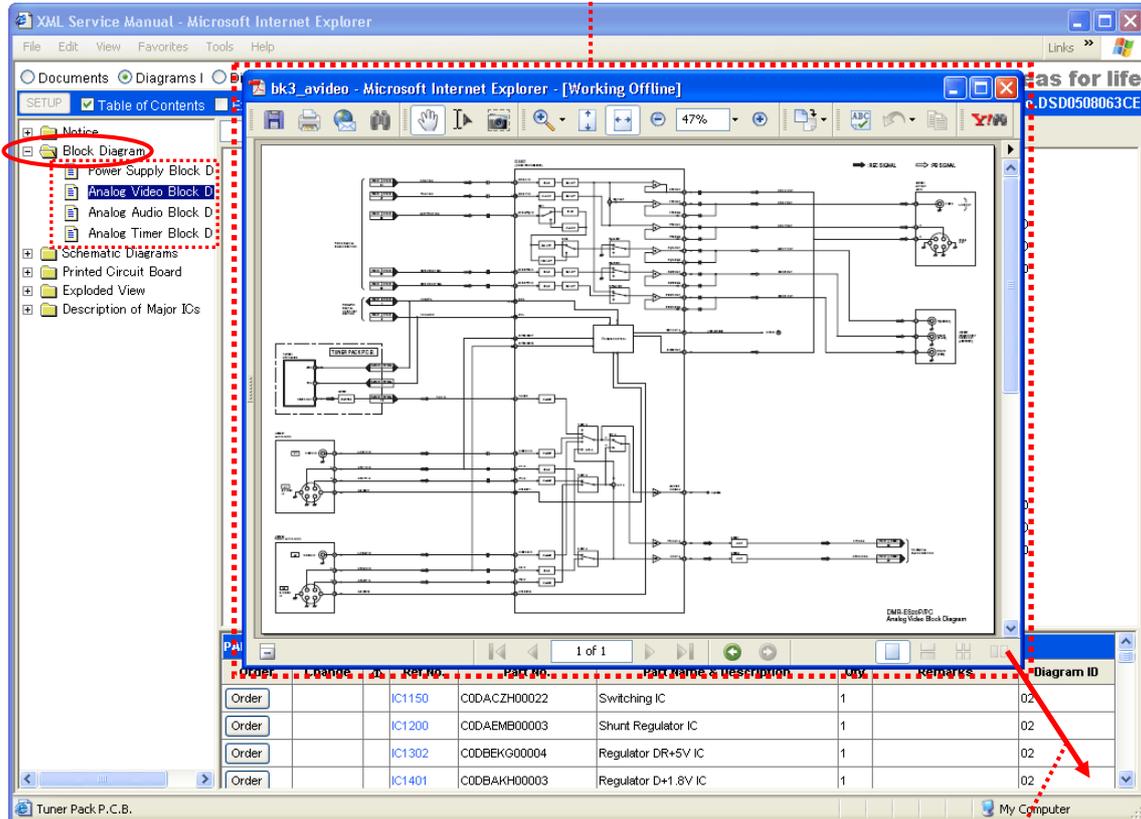
- To display schematic diagrams..... *SCH*
- To display printed circuit board..... *PCB*
- To display Parts List ..... *PARTS LIST*

**Note:** Users may not switch off displaying all the three search fields, namely: *SCH*, *PCB* and *PARTS LIST*.

### 6.1.3. Displaying Block Diagram (for PDF Data)

Clicking the “Block Diagram” folder on the tree index and clicking Block Diagram displayed beneath it will open PDF data in another screen.

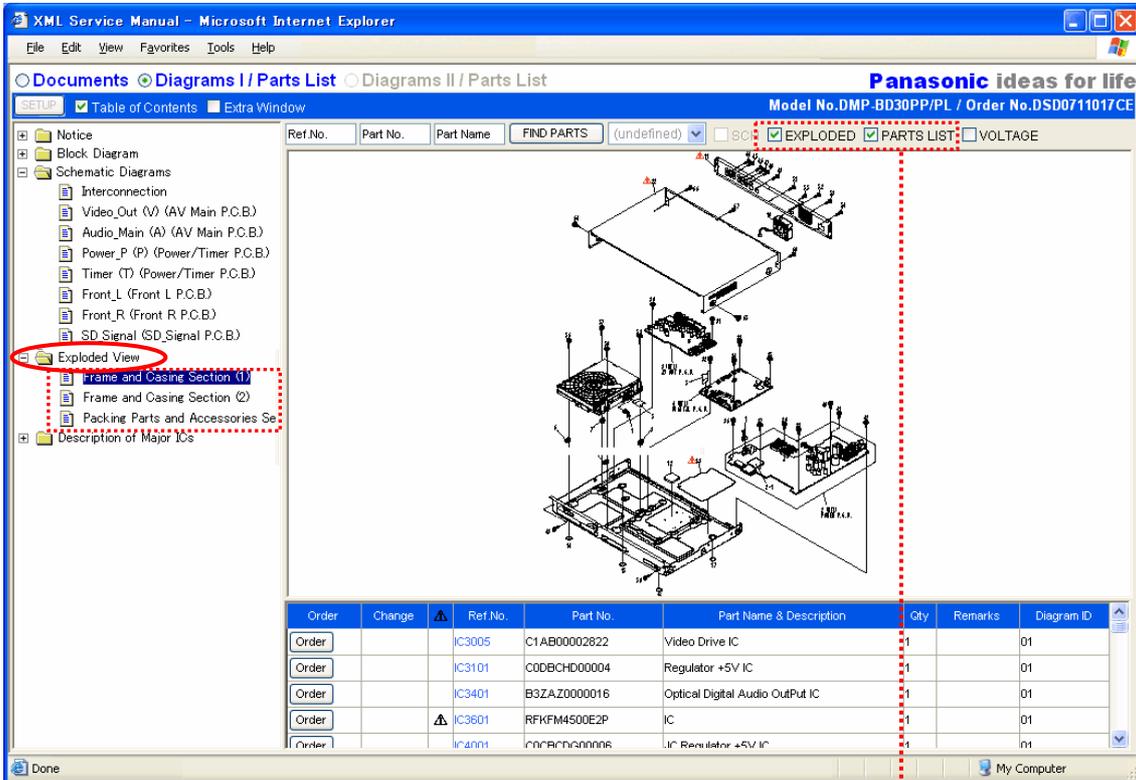
\* PDF data will open in another screen.



Drag the lower right corner of the PDF screen with the mouse pointer to adjust the size for a better view.

### 6.1.4. Displaying Exploded View

Clicking “Exploded View” in the tree index and clicking the name of the exploded view displayed beneath it will display an exploded view.



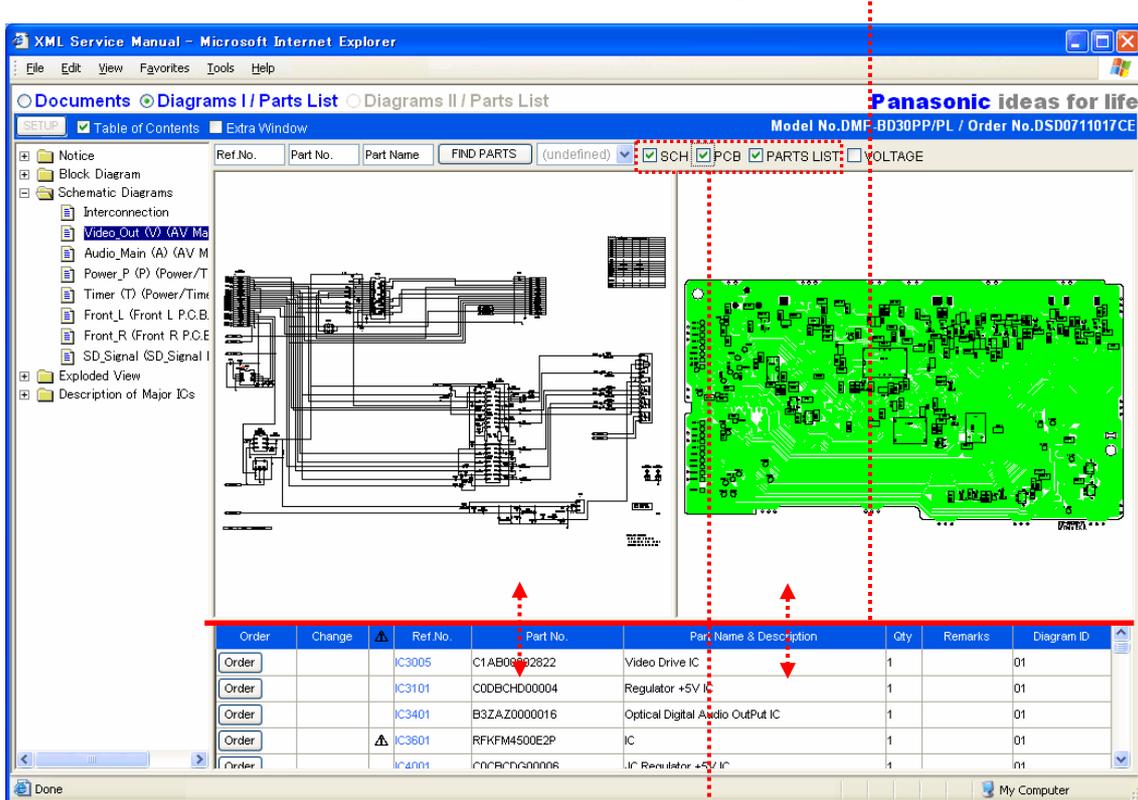
- **Diagram Display Switch:** Select one of the following:
  - To display exploded view ..... *EXPLODED*
  - To display Parts List ..... *PARTS LIST*

### 6.1.5. Displaying Parts List

Normally, when “Diagrams I” is opened, the Parts List is displayed in a tabular form at the bottom of the diagrams frame.

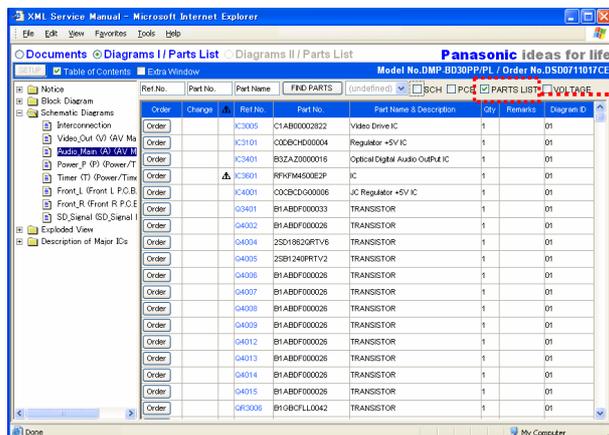
#### ■ Adjustment of the display region of the Parts List frame

To expand the display region of the Parts List, drag the borderline of the diagrams frame as well as the Parts List frame up and down with the mouse pointer to change to an optional size.



#### ■ Diagram Display Switch: Select one of the following:

- To display Parts List ..... *PARTS LIST*

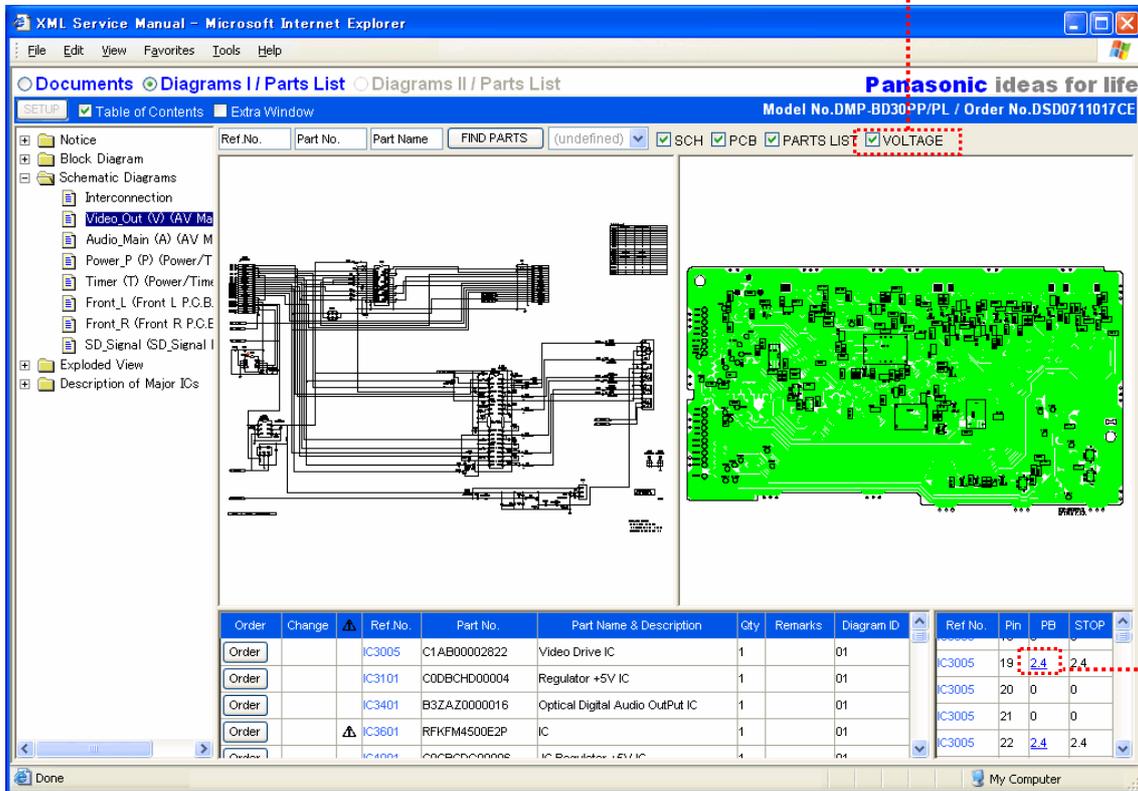


The picture to the left is an example of displaying the Parts List only in full-screen view by clicking *PARTS LIST* only on the diagram display switch.

### 6.1.6. Displaying Voltage

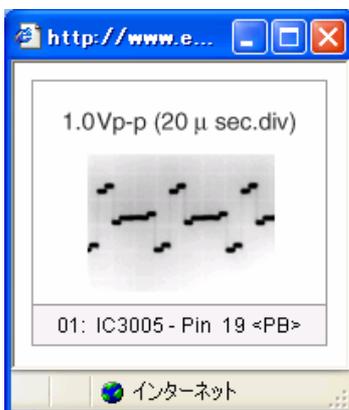
To display voltage, select (check) *VOLTAGE* in the display switch menu at the top.

To return to the original state (simultaneous display of the diagrams frame and Parts List), deselect *VOLTAGE* in the display switch menu.



Note: When the relevant service manual does not contain voltage data, *VOLTAGE* is grayed out in the display switch menu and cannot be selected.

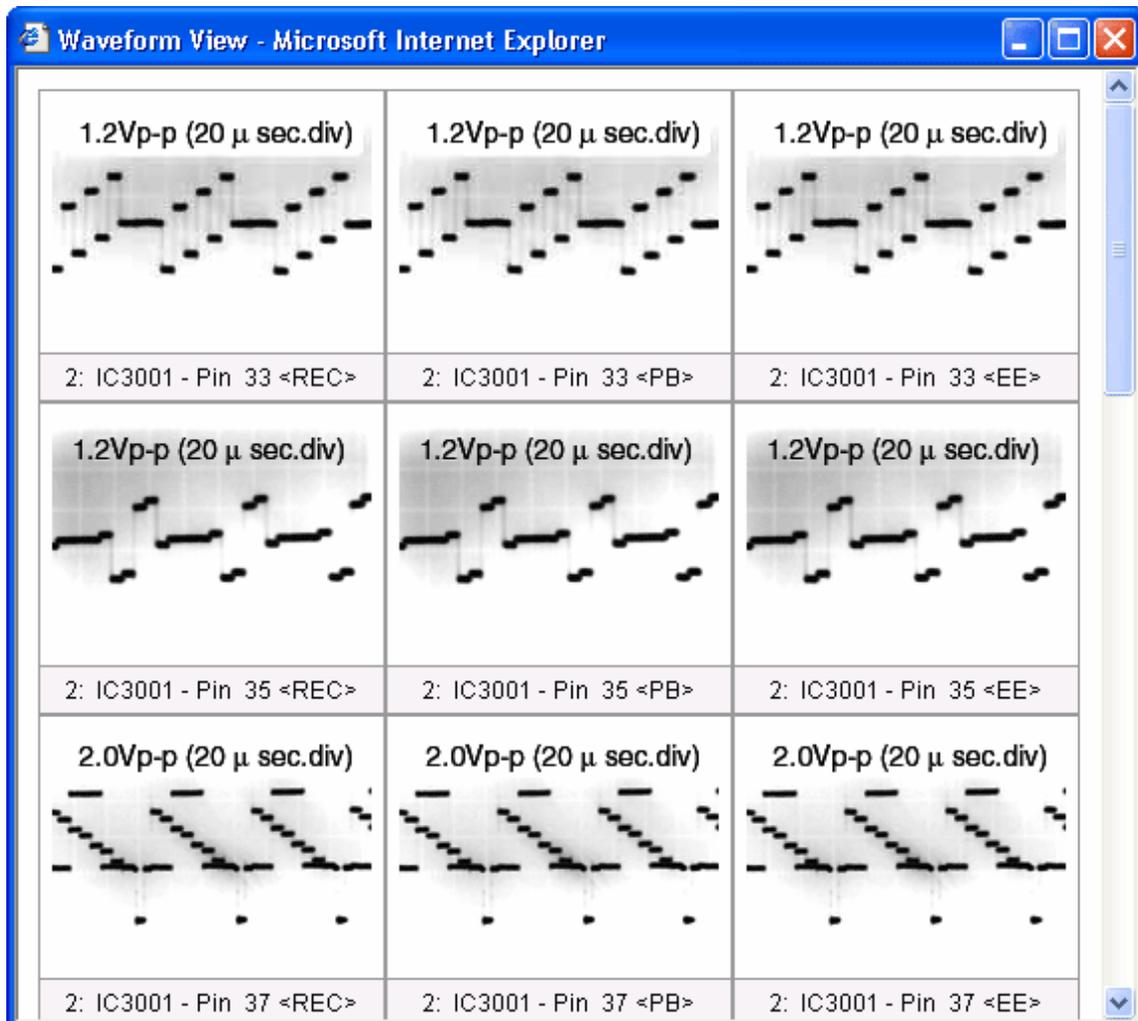
### 6.1.7. Displaying Waveform View



If there is a waveform view other than voltage corresponding to each reference number and port number when voltage is displayed, that voltage will be displayed with a link (in underlined blue text).

To display a waveform view, click a voltage with a link (in underlined blue text).

Furthermore, if there are multiple waveform views for a reference number such as ICs, they can be displayed together in a list by clicking the reference number in voltage.

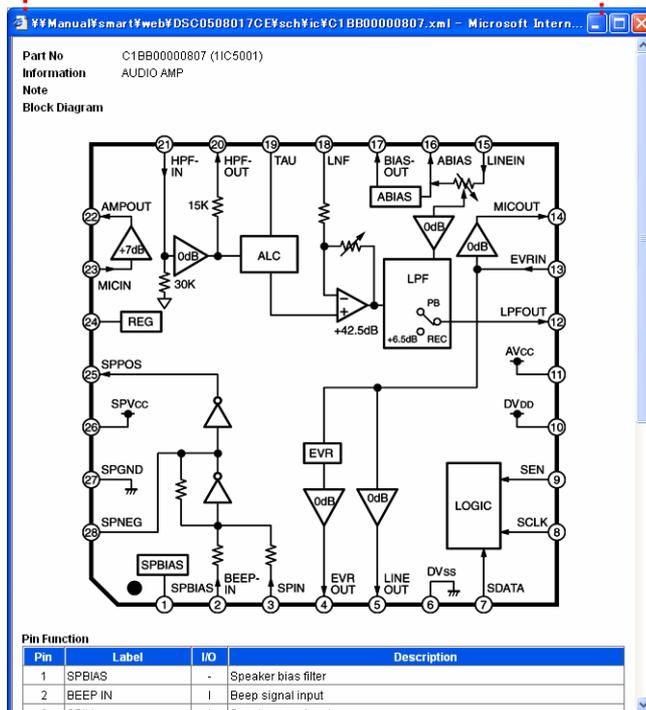
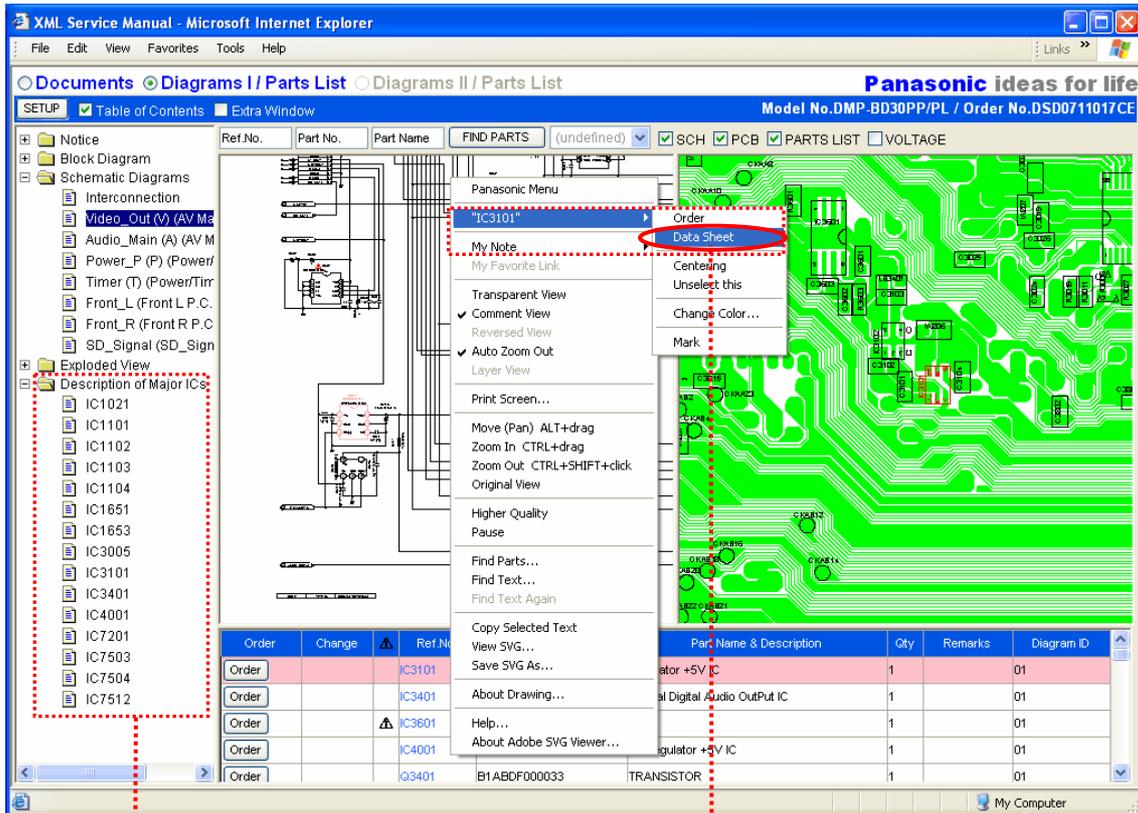


Note: If there is no waveform view for the part for which the reference number was clicked, a message will appear.



### 6.1.8. Displaying a Function List of IC Port

Clicking the “Description of Major ICs” folder in the tree index and clicking the ‘reference number for the IC’ displayed beneath it will display a function list of the IC port in another window. Alternatively, right-click the IC in the diagram and select a ‘reference number for the IC’ and then “Data Sheet”.



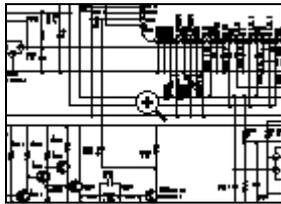
**6.2. Basic Operation of SVG Diagram**

**6.2.1. Zoom Display**

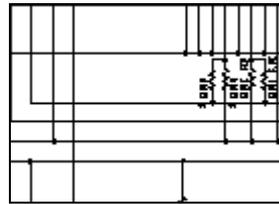
■ **Zoom In**

Pressing the *Ctrl* key on the keyboard with the mouse pointer over the SVG diagram changes the shape of the mouse cursor to that shown in the picture below (magnifying glass). Click the mouse to enlarge the area where the mouse pointer is.

*Specifying the point to zoom in*



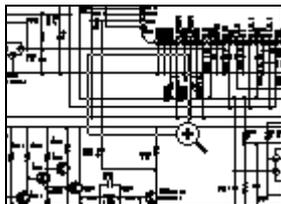
*Zoom In*



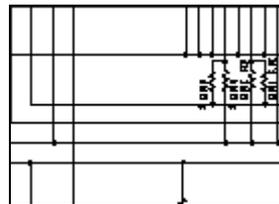
■ **Specifying the region to enlarge**

Pressing the *Ctrl* key of the keyboard with the mouse pointer over the SVG diagram changes the shape of the mouse cursor to that shown in the picture below (magnifying glass). Click the mouse and drag it to specify the rectangular region to enlarge.

*Specifying the rectangular region*



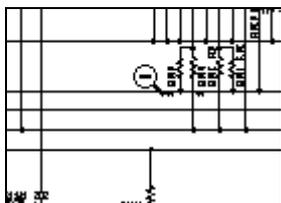
*Zoom In*



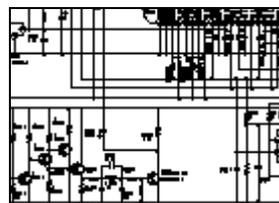
■ **Zoom Out**

Pressing the *Shift* key and *Ctrl* key of the keyboard at the same time with the mouse pointer placed on the SVG diagram changes the form of the mouse cursor to the form in the picture below (magnifier). Click the mouse to zoom out the area where the mouse pointer is.

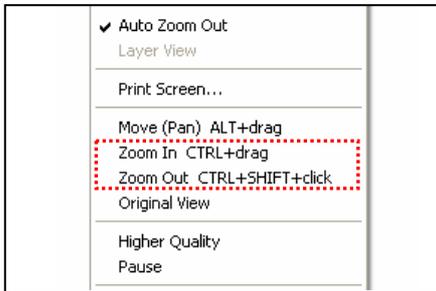
*Specifying the point to zoom out*



*Zoom Out*

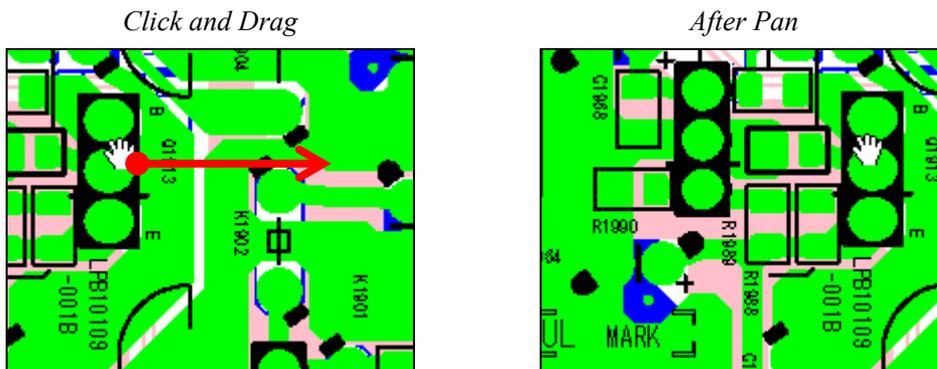


Another way to zoom in and out is to use the *Zoom In* or *Zoom Out* command in the SVG context menu (right-click menu).



### 6.2.2. Move (Pan)

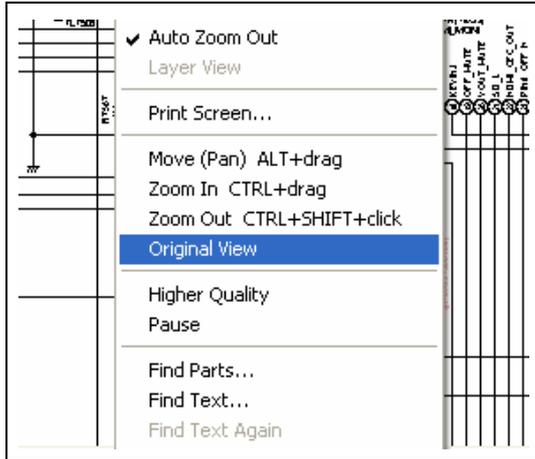
Pressing the *Alt* key on the keyboard with the mouse pointer over the SVG diagram changes the shape of the mouse cursor to that shown in the picture below (hand). Click and drag the mouse in the direction to display.



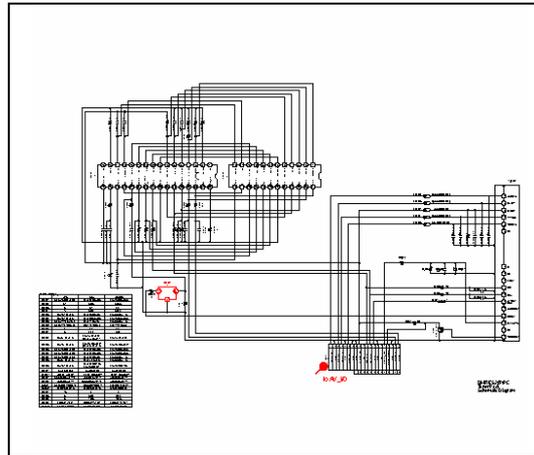
### 6.2.3. Original View

The context menu is displayed by a right-click on the SVG diagram to return the SVG diagram to the original view (default display size) using the *Original View* command.

*Displayed screen with given magnification*



*Original View*

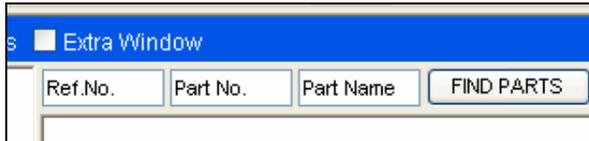


### 6.3. Find Parts

There are two ways to find parts: using the FIND PARTS windows at the top of diagram display and using the search function of IE.

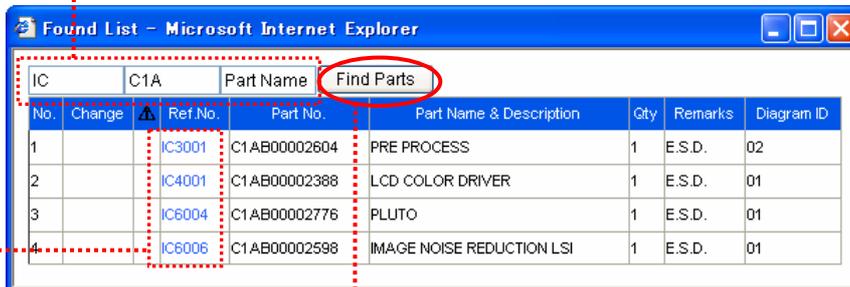
#### 6.3.1. Find Parts in the FIND PARTS Windows

With regard to the searches carried out using the 'Ref No.', 'Part No.' and 'Part Name' (or Remarks); a keyword for each field can be inputted and a search carried out.



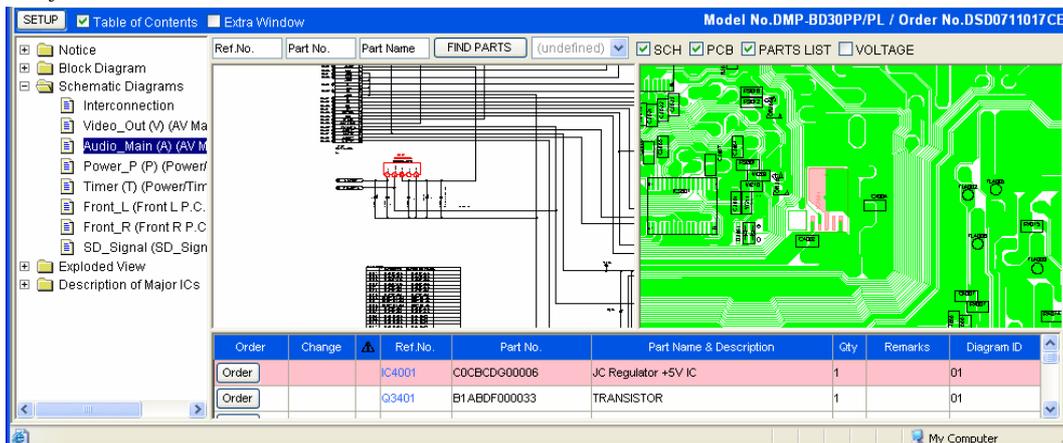
- \* When executing a search using the 'Part Name' field, the engine will look through the Part Name column and the Remarks column in the Parts List Table for matching terms.
- \* Multi-keyword searches using the 'Ref No.', 'Part No.' and 'Part Name' are searches using the 'And' function.

1. Input the 'Ref No.', 'Part No.' and(or) 'Part Name'.



2. Click the "FIND PARTS" button.
3. Once a list of search results for the parts with strings is displayed, a related diagram with the relevant part will be displayed by clicking the reference number to view from the list display of the search results.

#### Screen of the search results



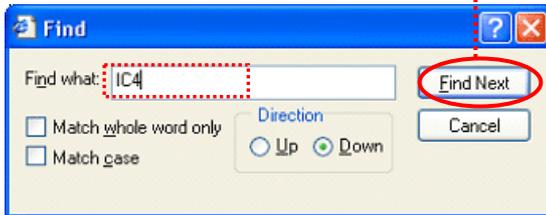
Note: An alter message like the one shown below will be displayed in the event that a search is requested without any keywords being entered into the relevant three fields, namely: 'Ref No.', 'Part No.' and 'Part Name'.



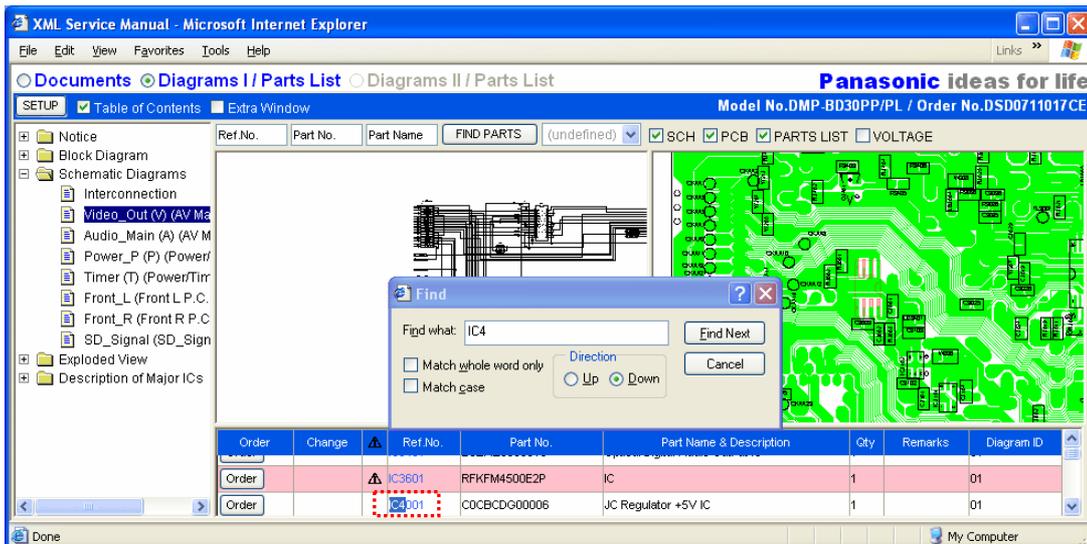
### 6.3.2. Find Parts on the Search Screen of IE

The letter search function of IE (Internet Explorer) can also be used to search parts.

1. Click the display region in the Parts List.
2. Press the “F” key while holding down the “Ctrl” key at the bottom left of the keyboard in order to display “Find”.
3. Input the letters to search, and click the “Find Next” button.



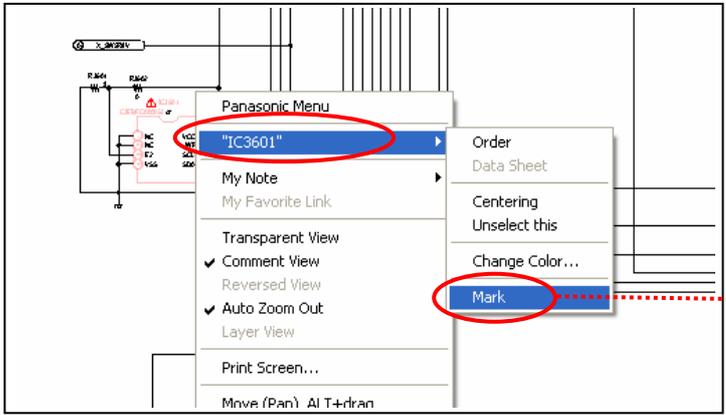
4. The search results will be displayed as in the following screen.



In order to search the next text candidate, click the “Find Next” button again.

**6.4. Mark**

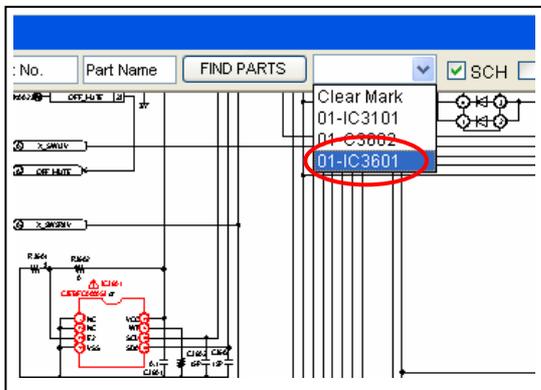
A part to select in the diagram is randomly marked with the “Mark” command, which is a submenu of the part for selection, in the SVG context menu (right-click).



The marked part (reference number) will be added to the list.

The diagram with the marked part will be displayed again without selecting it in the tree index by selecting the marked part that has been listed.

Click “Clear Mark” in the list to delete the part-marking history.



**Notes:**

1. If there are no marked parts, the display in the list will be displayed as “(undefined)”.
2. History management for part marking is temporary, and the entire part-marking history will be deleted when the XML/SVG Service Manual is reactivated.

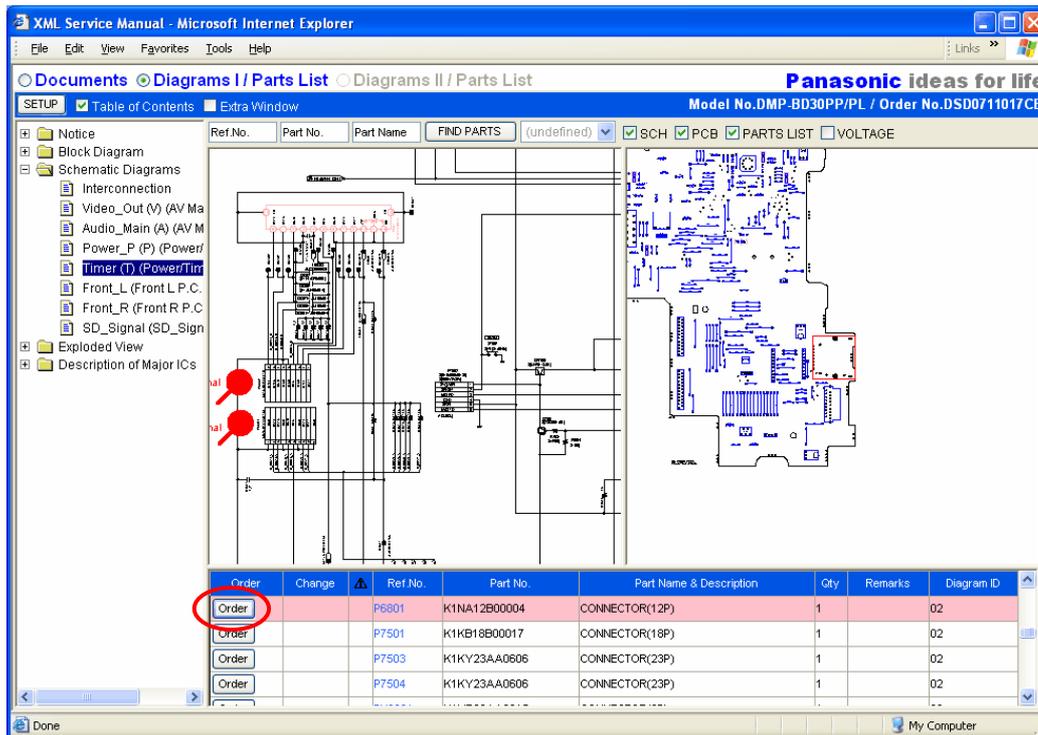
## 6.5. Parts Order

### 6.5.1. Selecting Parts to Order

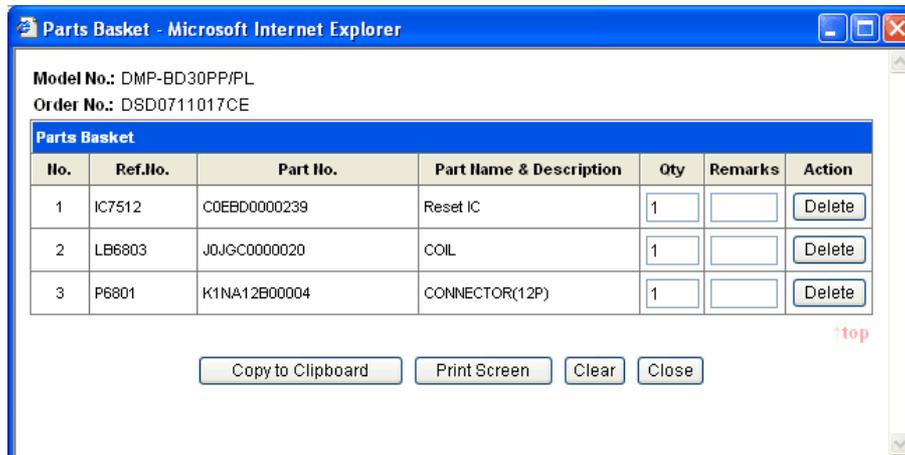
Parts can be selected and ordered from the Parts List or SVG diagram with the XML/SVG Service Manual.

#### ■ Selecting Parts to Order from Parts List

1. Select a part to order from the Parts List and click the “Order” button at the beginning of the line.



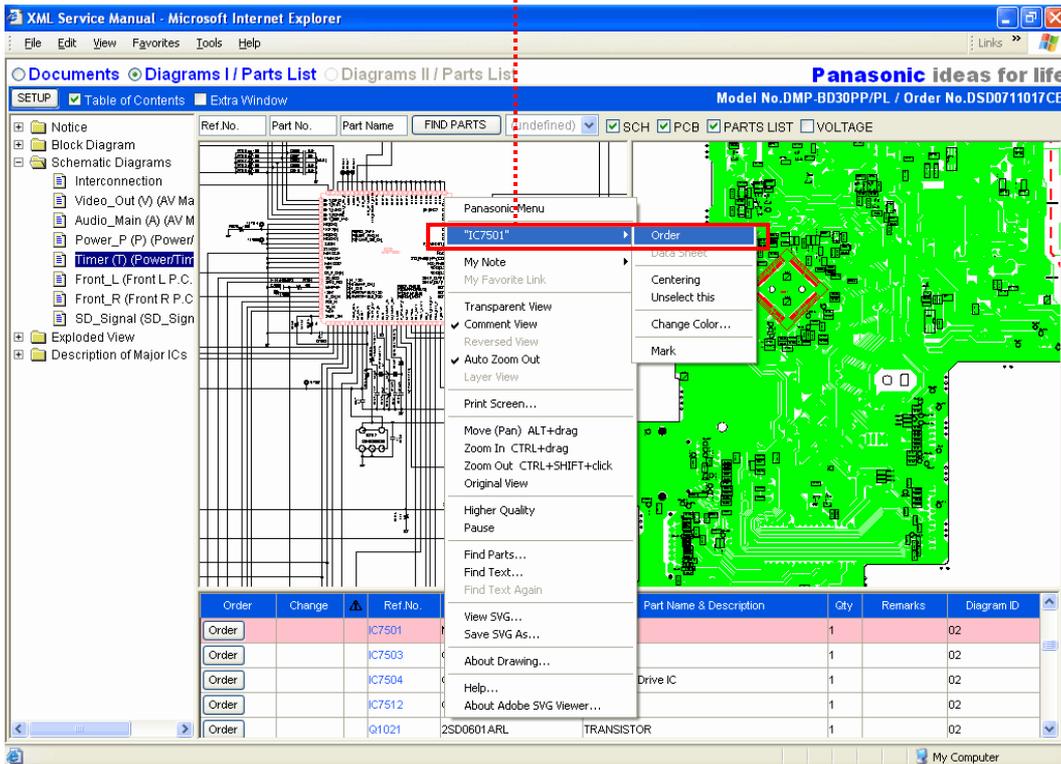
2. The Parts Basket window will open.



## ■ Selecting Parts to Order from the SVG Diagram

The parts that have been selected in the diagram can be placed in the Parts Basket for ordering with the SVG context menu (right-click).

1. Click a part in the diagram to select it.
2. Right-click the part to display the SVG context menu.
3. Click the “Order” command from the reference number display of the selected part.



4. The Parts Basket window will open.

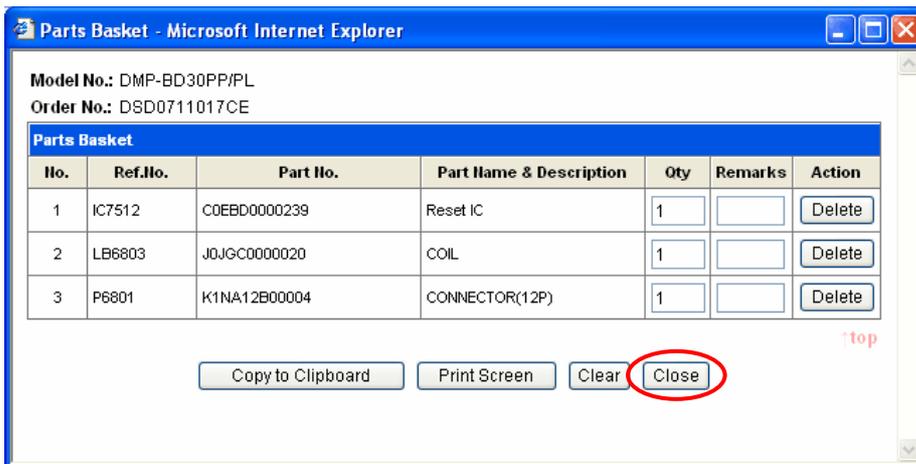
### 6.5.2. Order Parts Basket

The Parts Basket window opens by clicking “Order” in the Parts List or “Order” on the menu that appears with a right-click on the SVG diagram.

#### ■ Placing multiple parts in Parts Basket

When ordering multiple parts, click the *Close* button to close the Parts Basket window, and then select parts in the diagram or Parts List again to order.

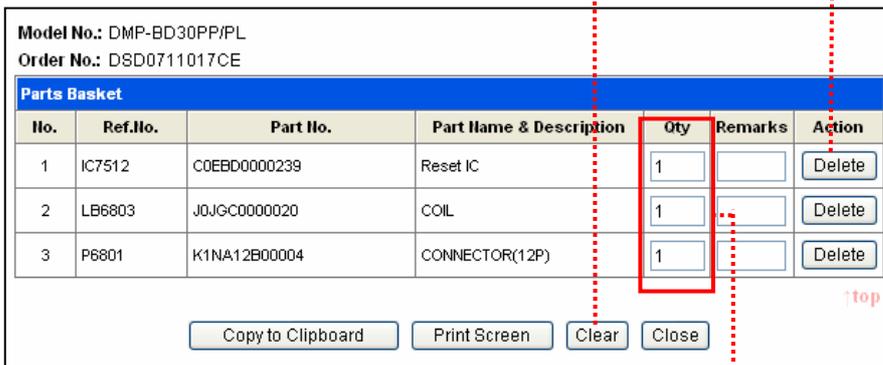
Furthermore, the order information will be saved even if the Parts Basket window is closed.



#### ■ Deleting the contents of Parts Basket

To delete the first item (line), click the *Delete* button to delete the item.

To delete all of the items, click the *Clear* button.



#### ■ Changing the order quantity of Parts Basket

To change the order quantity, directly change the value in the “Qty” field.

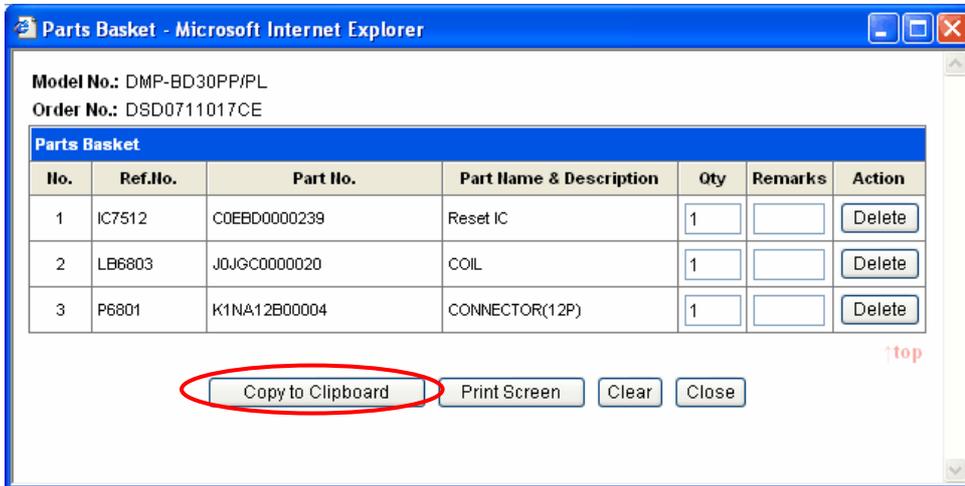
#### ■ Printing the contents of Parts Basket

By clicking the “Print Screen” button of the Parts Basket, the dialog box for printing will open. Specify the printer and the number of sheets to print.

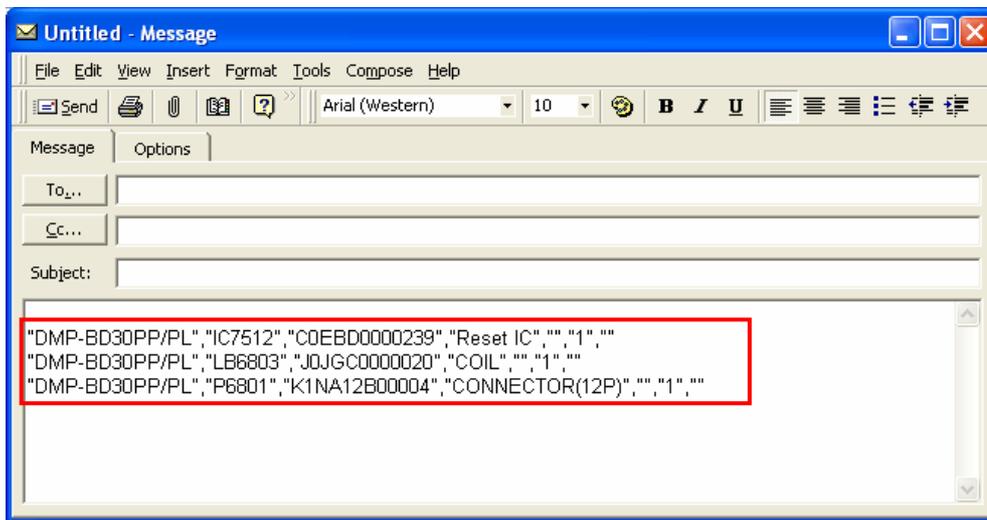
**6.5.3. Parts Order by E-mail**

This section explains how to order parts in the Parts Basket window via email.

1. Check the content of the order in the Parts Basket window.
2. Click the “Copy to Clipboard” button to copy it to the clipboard.



3. Launch the email software to display the screen in which to create new email and paste data from the clipboard into the email message.



4. Order from the closest parts center via email.

**6.5.4. Parts Order by Fax**

Print a display graphic image with a printer using the *Print Screen* in the Parts Basket window to order from the closest parts center via Fax.

## 6.6. Diagram Link Function

### 6.6.1. Three-Point Link Function

When clicking any graphic image in the displayed schematic diagrams, the relevant graphic image in the related printed circuit board and relevant parts in the Parts List will be highlighted at the same time.

Information can be bi-directionally linked not only from schematic diagrams but also from any graphic images in the printed circuit board and any parts in the Parts List.

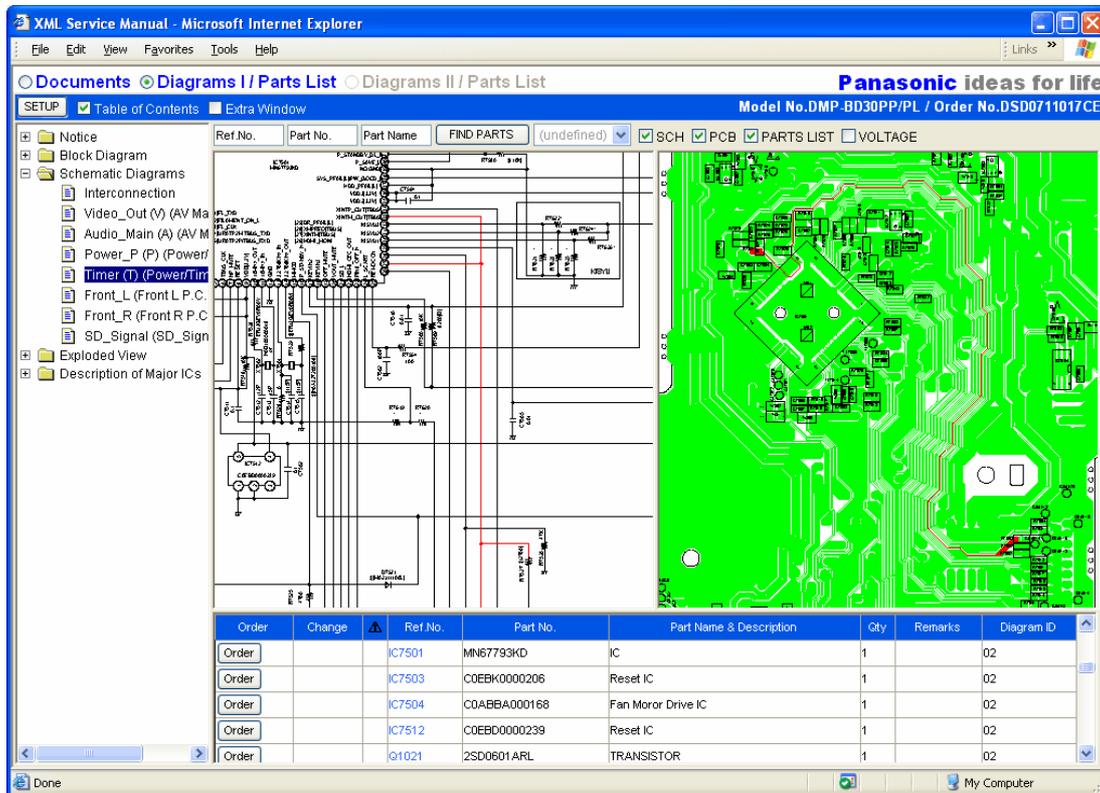
Additionally, if the relevant service manual has a voltage list, the voltage information can be linked.

- \* When the displayed diagram is constructed with a schematic diagrams or printed circuit board, it will be two-point linked with the Parts List.
- \* When the displayed diagram is a printed circuit board, linkage from any parts in the Parts List switches to a simultaneous display of schematic diagrams and a printed circuit board including the relevant parts.

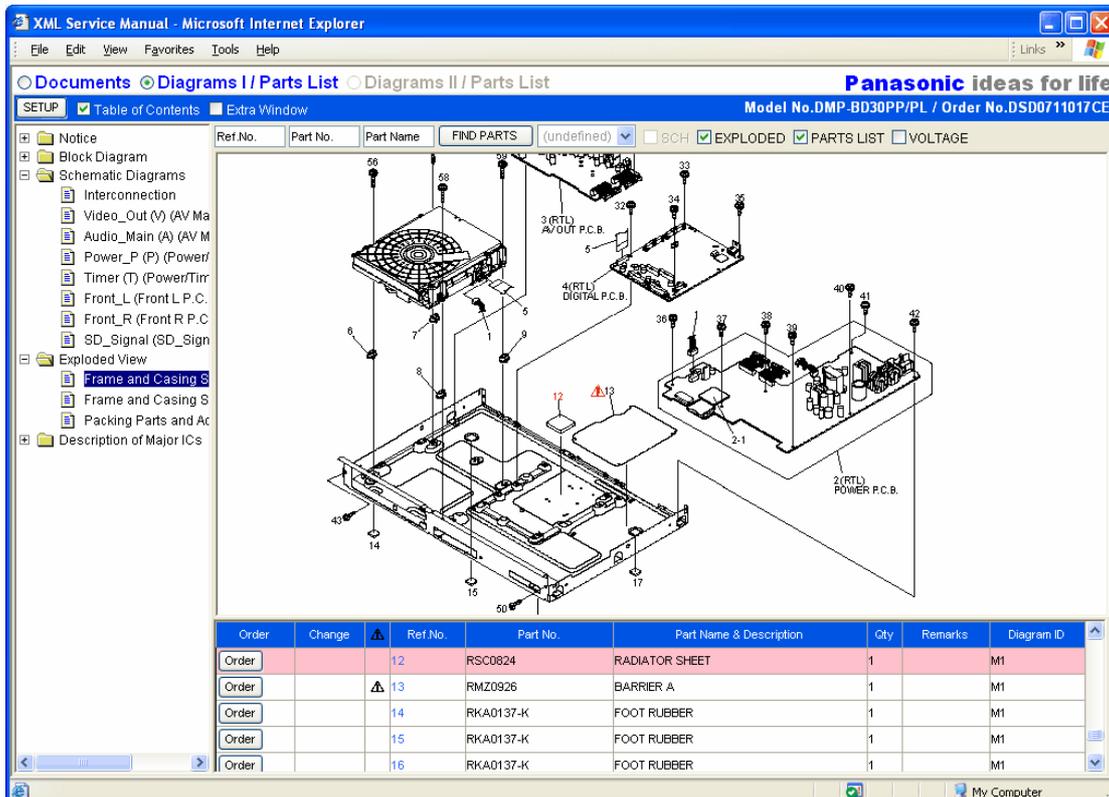
*Screen for the link display of schematic diagrams, printed circuit board, Parts List, and voltage list with a reference number as a key*

Order	Change	Ref.No.	Part No.	Part Name & Description	Qty	Remarks	Diagram ID
Order		IC7501	MN67793KD	IC	1		02
Order		IC7503	COEBK0000206	Reset IC	1		02
Order		IC7504	COABBA000168	Fan Motor Drive IC	1		02
Order		IC7512	COEBD0000239	Reset IC	1		02
Order		Q1021	2SD0601ARL	TRANSISTOR	1		02

Screen for the link display of schematic diagrams and printed circuit board with an attribute value of the signal lines as a key

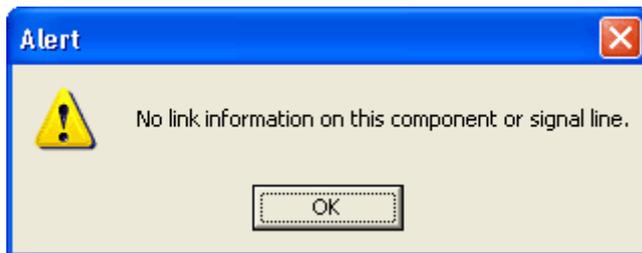


Screen for the link display of a Exploded View and Parts List with a reference number as a key



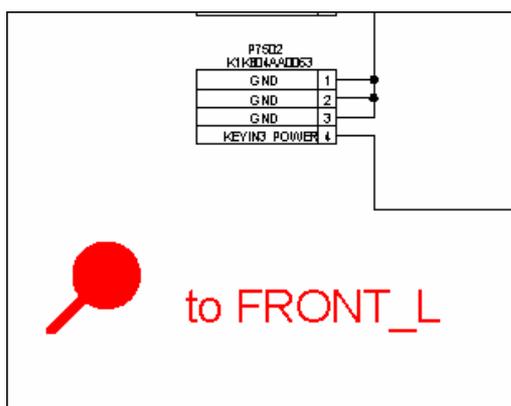
Notes:

1. When clicking on any graphic image in the displayed schematic diagrams and printed circuit board, a message will display if the relevant graphic image does not exist in another diagram.
2. When clicking any part in the Parts List, a message will display if the relevant part does not exist in the displayed schematic diagrams or printed circuit board.



## 6.6.2. Link Function Between Diagrams

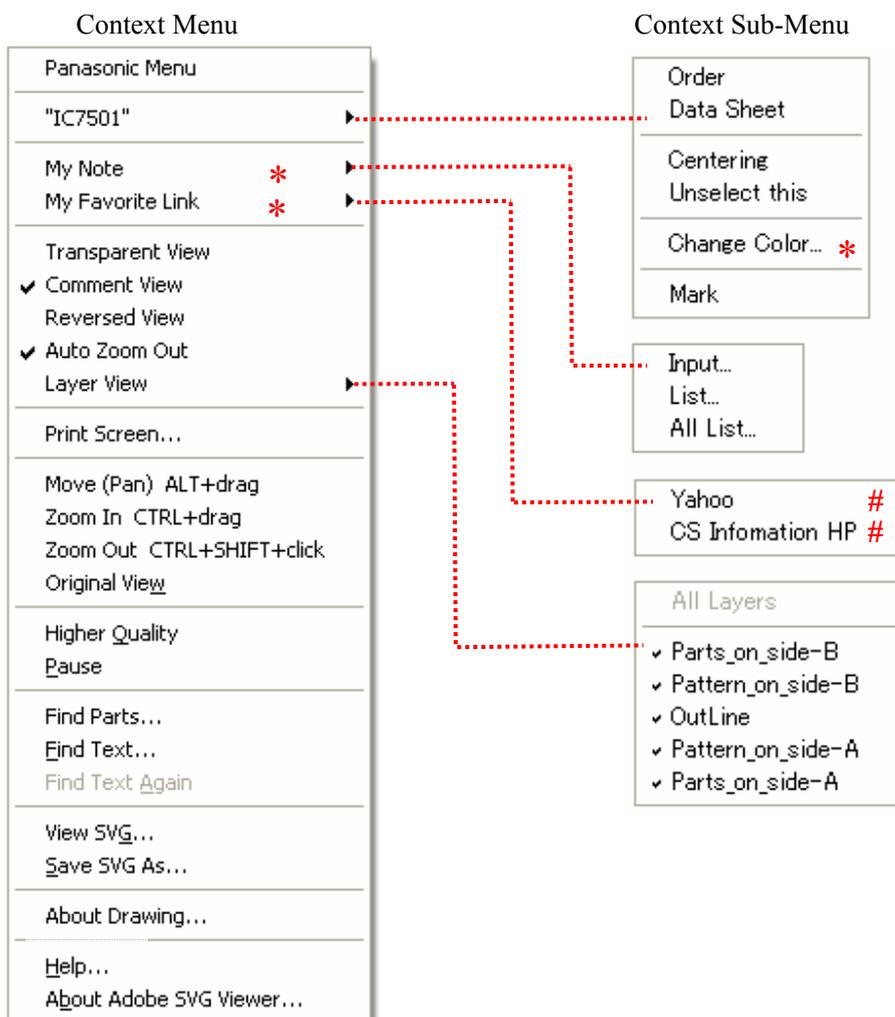
When there is a landmark (pin) such as in the picture below in the displayed diagram, click the landmark to display the diagram that has been preset for linkage.



## 7. SVG Context Menu (Diagrams I)

A context menu will be displayed **right-clicking** on the SVG diagram.

In the context menu, the commands and options for the SVG diagram are displayed accordingly.

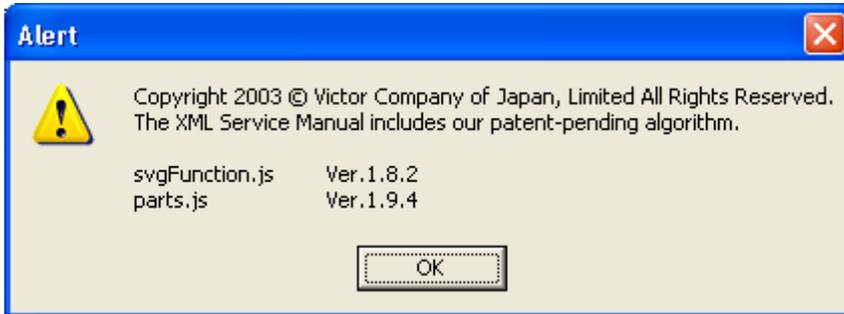


Note: The commands and options with an \* (asterisk), described later, cannot be used unless set up as an extension with the Setup Utility.

The title which is registered with Context Menu of the Setup Utility is displayed like a # mark.

**7.1. Panasonic Menu**

Version information regarding a customized program is displayed for the displays and operation of the XML/SVG Service Manual

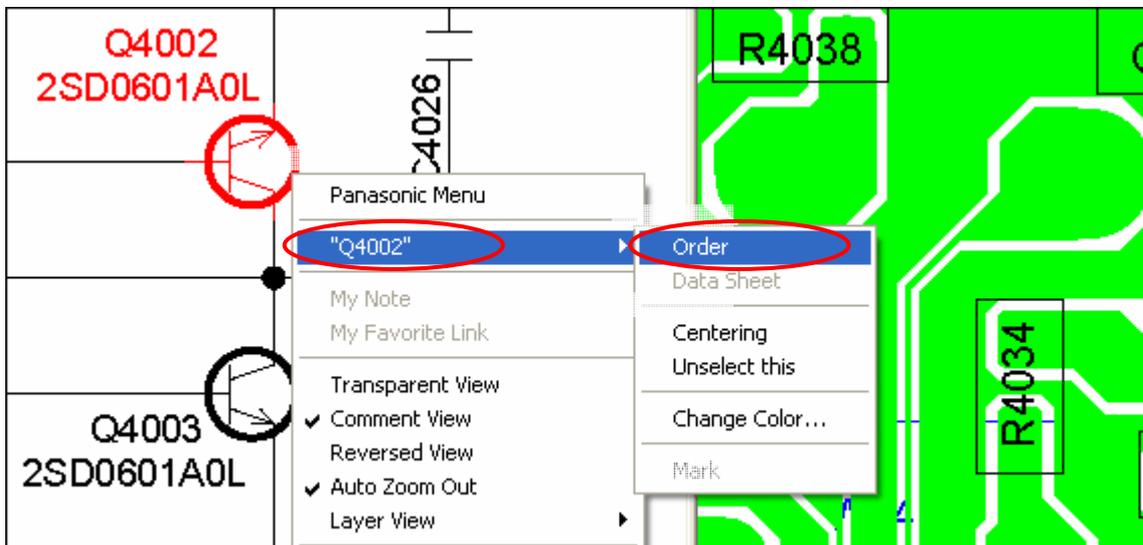


**7.2. Selected Parts Menu**

When a graphic image such as a part or signal line on the SVG diagram is selected, the name of the attribute value of the graphic image is displayed.

If the selected graphic image is a part, the reference number related to the graphic image will be displayed, and if the selected graphic image is not a part such as a signal line, the name of the attribute value preset in the diagram information will be displayed, and a submenu for the relevant part will also be displayed.

When no graphic image is selected, it will be displayed as “(undefined)”.



Commands and options for the selected parts submenu are as follow.

**7.2.1. Order**

The parts selected in the diagram will be ordered.

Select the “Parts Order” command in the selected parts submenu, and open the Parts Basket window.

**7.2.2. Data Sheet**

If there is a function list of the IC port on the selected parts, that function list of the IC port will be displayed.

Note: If there is no function list of the IC port for the relevant part, that option will be grayed out in the display.

**7.2.3. Centering**

A selected graphic image is displayed in the center of the diagrams frame.

If the selected graphic image of a part is not in the region of the display screen due to zooming or panning, the graphic image will automatically be placed in the center of the display region using this function.

\* This function operates in conjunction with the three-point link function (linking from the others) or the function of search results display for parts.

Note: If a selected graphic image is a signal line, etc., it may be displayed in the center of the frame incorrectly.

**7.2.4. Unselect this**

A selected graphic image is deselected.

**7.2.5. Change Color**

The color of a selected graphic image can be changed.



Notes:

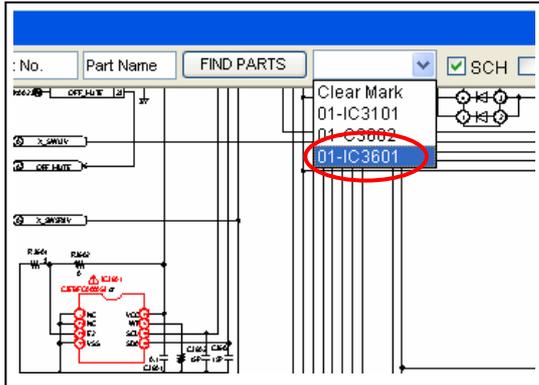
1. When a diagram is changed or the XML/SVG Service Manual is reactivated, the color of a selected graphic image will return to the original color because the color change is temporary. (The information on the color change will not be saved.)
2. To save the information on the color change, [set up "Path Setting/My Note Folder Path" if the SETUP widow.](#)

## 7.2.6. Mark

A selected part is marked.

A marked part (reference number) will be added to the marked parts history list at the top of the diagrams frame.

The diagram with the marked part will be redisplayed without being selected in the tree index by selecting the marked part that has been listed.



### Notes:

1. If there are no marked parts, the list will be displayed as “(undefined)”.
2. The history management of marked parts is temporary, and the entire part-marking history is deleted when the XML/SVG Service Manual is reactivated.

**7.3. My Note**

Comments can be arbitrarily made for the displayed SVG diagram.

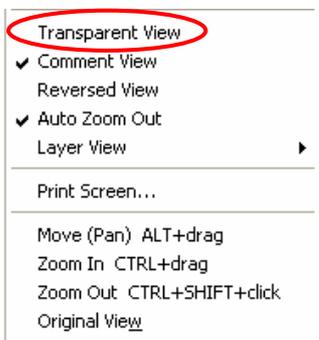
This function is described in [“My Note” in nthe section for Enhanced Function.](#)

**7.4. My Favorite Link**

Various types of information on the relevant service manual (model number or order number) and the selected parts in the diagram will be submitted as keywords in addition to displaying arbitrary Web pages.

Refer to the [“My Favorite Link” in the Enhanced Functions section](#) for the description of this function.

**7.5. Transparent View**



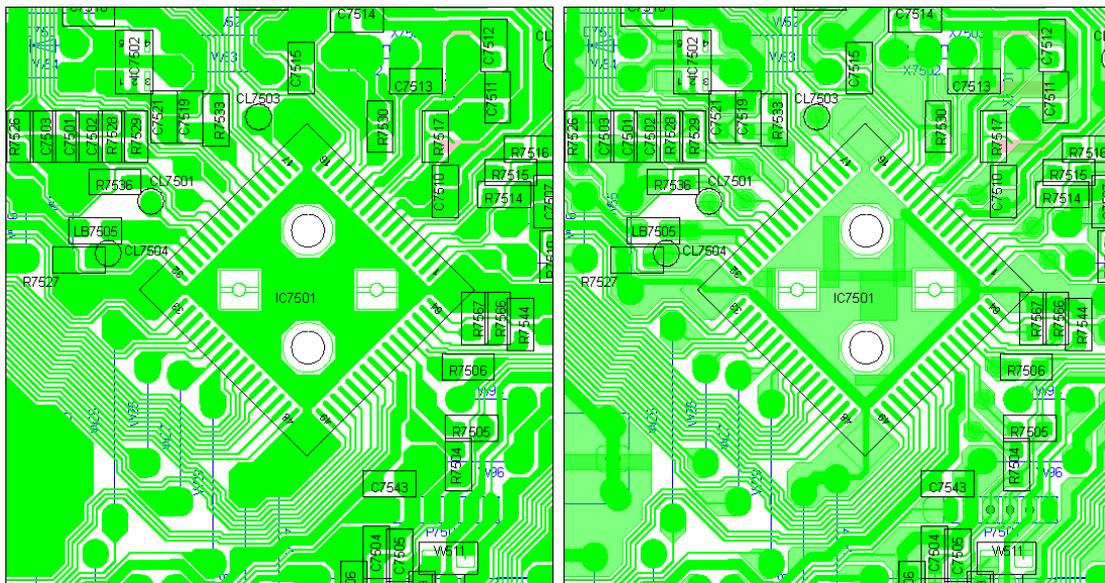
Transparent View can be switched on and off.

For a printed circuit board with the displayed diagram having a multi-layer structure, etc., the information on the back of the board can be viewed through by switching Transparent View on.

← *In the context menu*

*Transparent View is OFF*

*Transparent View is ON*



\* Transparent View is OFF by default.

Note: When another diagram opens, this setup will be initialized (default).

7.6. Comment View

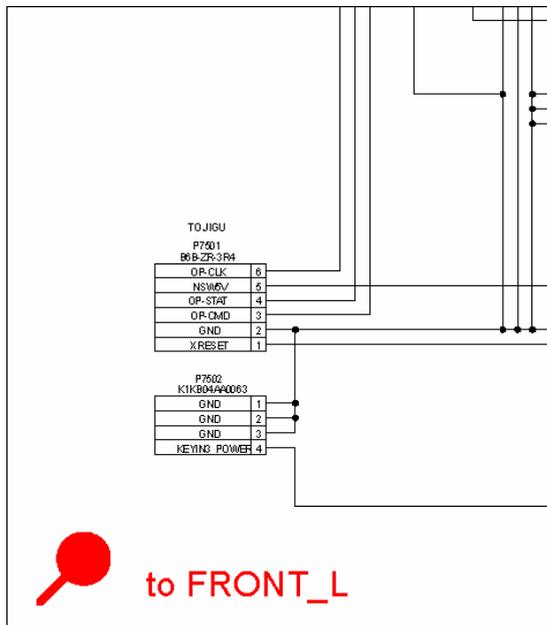


Display/undisplay for the comment information (landmark) described in red in schematic diagrams can be switched.

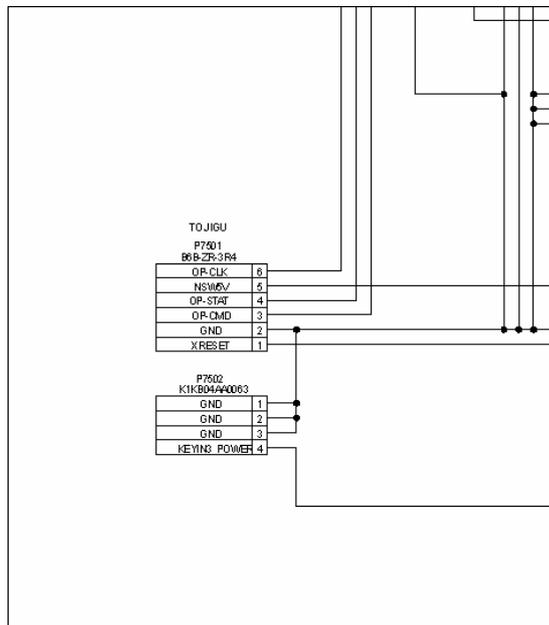
If no comments are described in the displayed diagram, the *Comment View* command cannot be selected.

← In the context menu

Comment is displayed



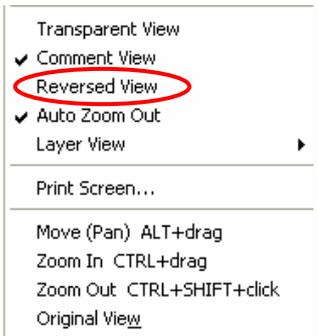
Comment is not displayed



\* A comment display mode is setup by default.

Note: When another diagram opens, this setup will be initialized (default).

7.7. Reversed View

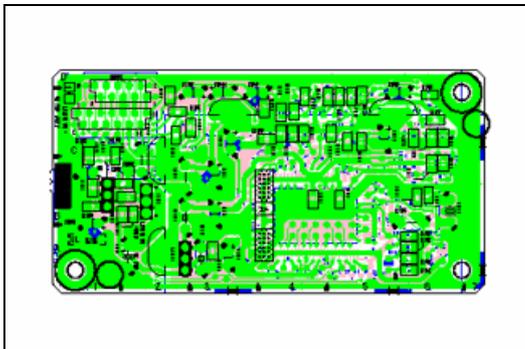


Reversed View can be switched on and off.

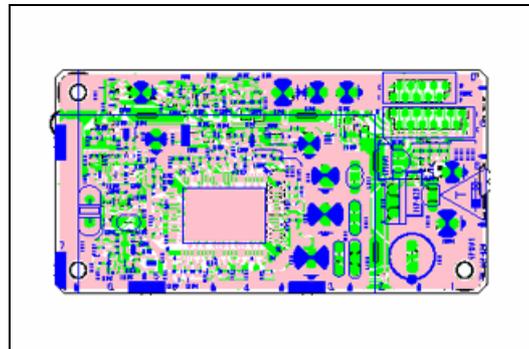
When the displayed diagram is a printed circuit board, the board can be inverted and viewed using Reversed View.

← In the context menu

Reversed View is OFF



Reversed View is ON



\* Reversed View is set to OFF by default.

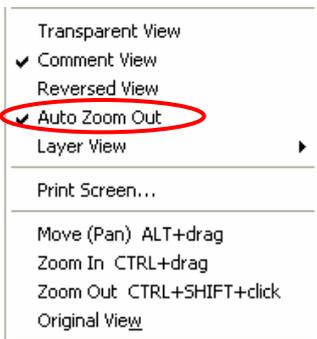
Notes:

1. When another diagram opens, this setup will be initialized (default).
2. The following message is displayed during the inversion process. Do not have other operations working until the message window below disappears.



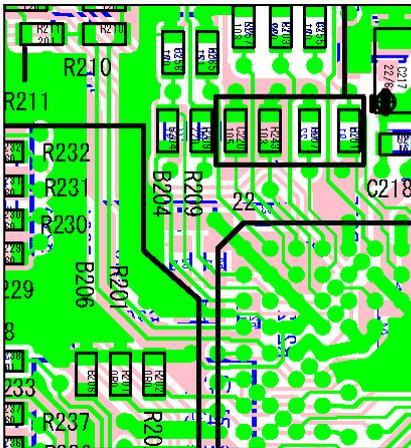
3. After the inversion process is completed, the message window above will automatically close, but when using a large printed circuit board, it may take a few seconds due to the SVG diagram process until the inverted surface is actually displayed.

7.8. Auto Zoom Out

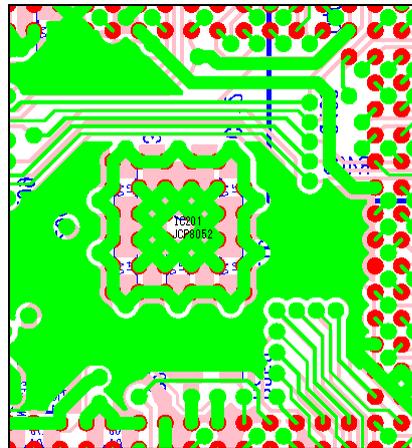


Normally, the relevant graphic image will automatically be displayed in the center in the diagrams frame with the three-point link function (linking from the others), display function of the Parts Find result and Centering commands, but if the displayed diagram is zoomed in with large magnification or the graphic image is too large to be displayed in the diagrams frame such as an IC, it will be automatically zoomed out so that the entire graphic image will fit in the frame.

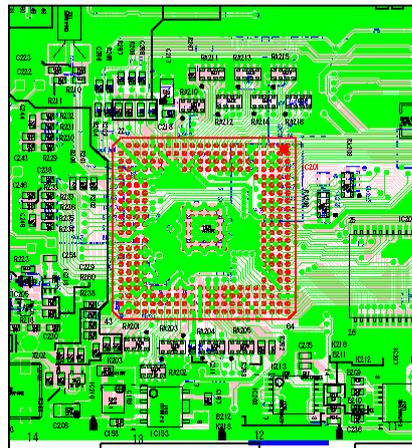
Screen of enlarged display



Auto Zoom Out is OFF (with the same magnification)



Auto Zoom Out is ON (appropriate reduced display)



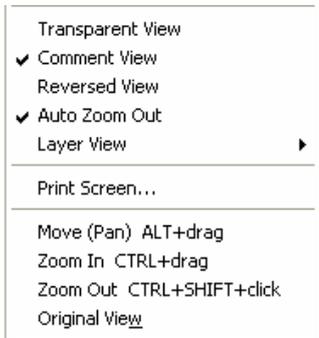
\* Auto Zoom Out is set to ON by default.

Notes:

1. When another diagram opens, this setup will be initialized (default).
2. If the entire selected graphic image has a magnification in which the selected graphic image can fit in the diagrams frame, this function is not available.
3. A selected graphic image is a signal line, etc.; this function may not work properly.
4. This function does not automatically zoom in.

### 7.9. Layer View

Layer can be switched to display.

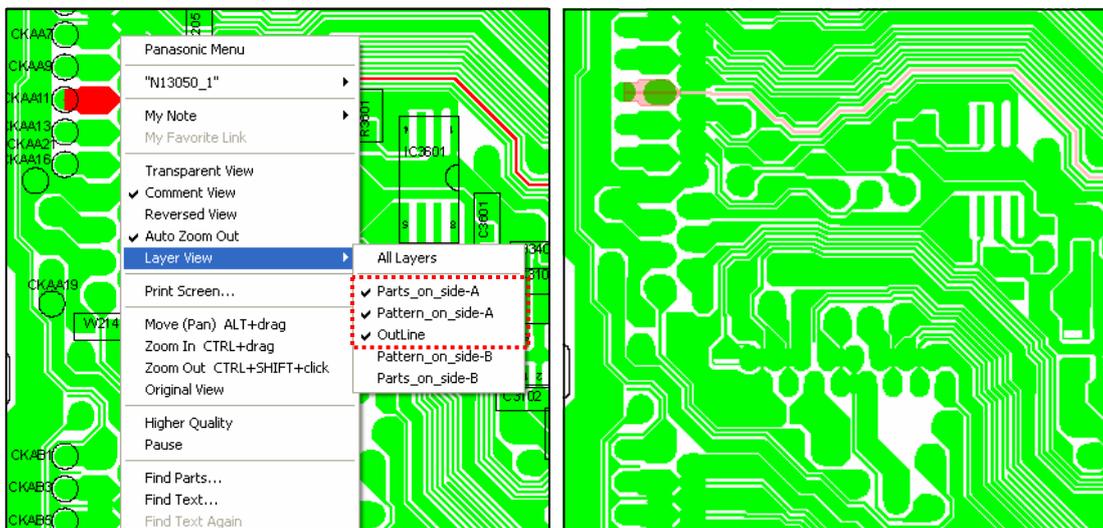


If the displayed diagram is a printed circuit board structured with multiple layers, display/undisplay will be set for arbitrary layers.

Moreover, select the “display all layers” command to display the layers. Furthermore, the number of layers and name of a layer vary depending on the diagram.

*Display of side-A and outline layers*

*Undisplay of arbitrary layer*

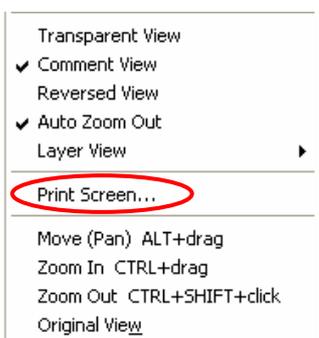


\* The side-A and Outline layers are set to ON by default.

Note: When another diagram opens, this setup will be initialized (default).

### 7.10. Print Screen

Print a displayed SVG diagram.



The region for printing is the region displayed in the diagrams frame.

Note: If the diagrams frame is in single-screen display mode, etc., part of the display region may not be printed due to the page setup of the printer.

### 7.11. Move(Pan)

‘Move (Pan) ALT + drag’ has been added as an item to the SVG context menu. An Alert Message similar to the one shown below will appear and offer instruction as to how to operate the diagram movement functions (Pan).



Note) This function only presents the diagram movement function (Pan) in simplified form for the user and does not actually allow diagram movement itself.

### 7.12. Zoom In

This enlarges and displays the location to which the mouse pointer is pointing.

### 7.13. Zoom Out

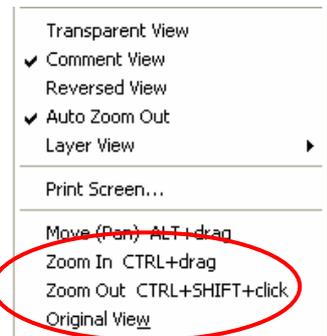
This reduces and displays the location to which the mouse pointer is pointing.

### 7.14. Original View

This returns an SVG diagram to the original view (default size).

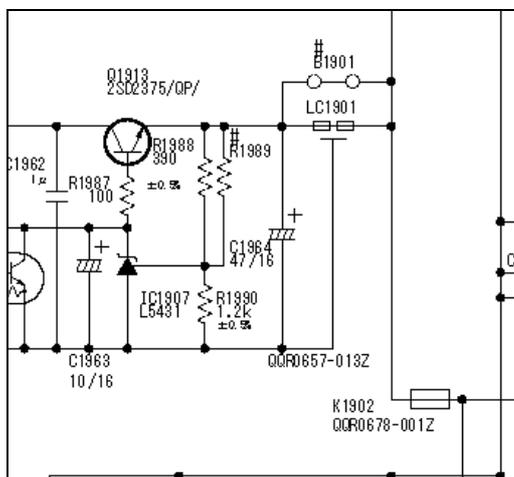
### 7.15. Higher Quality Display

This switches the display quality mode of an SVG diagram.

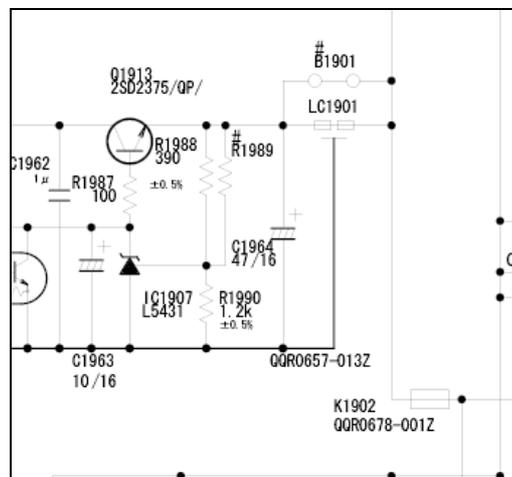


In the context menu →

Lower quality mode(default)



Higher quality mode



\* Higher Quality mode is set to OFF(lower quality mode) by default.

Note: If the display quality is Higher Quality mode, the display speed may be slow.

**7.16. Pause**

The animation (flashing) of a selected part in the displayed diagram can be paused.



**7.17. Find Parts**

Parts can be searched from the Parts List (Capital letters and lower-case letters are not distinguished).

Diagram numbers, name of a part and parts numbers can be searched with this function as well as the *FIND PARTS* function at the top of the diagrams frame.

\*Refer to “Section 6.3 Fnd Parts” for reserved words in the search method.

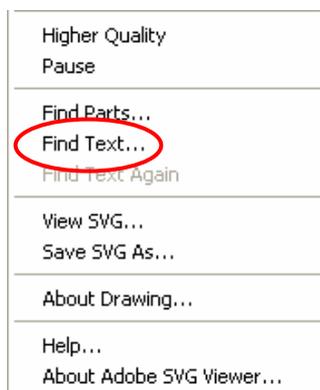
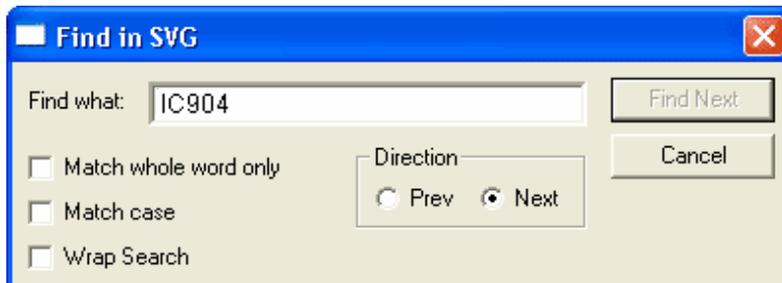
Note: Single-byte alphanumeric, two-byte Chinese characters, two-byte hiragana, and two-byte katakana are used for character input in the User Prompt.



Once a list of search results for the parts with strings is displayed, a related diagram with the relevant part will be displayed by clicking the reference number to view from the list display of the search results.

**7.18. Find Text**

Arbitrary text can be searched from the displayed diagram. This command is used to search text for items other than parts. In addition, searchable objects are limited to those in the displayed diagram.



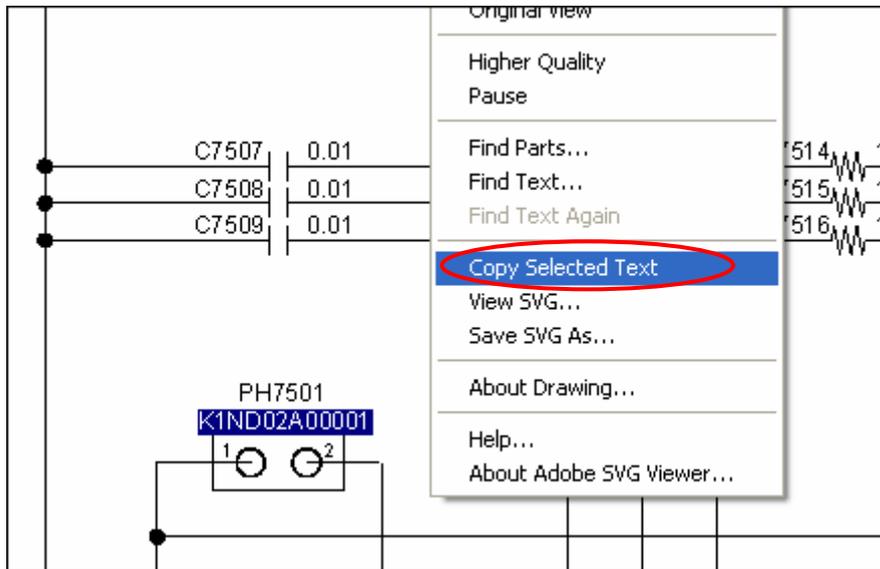
**7.19. Find Text Again**

Any text for searching input by the “Find Text” command can be searched again.

**7.20. Copy Selected Text**

By right-clicking on arbitrary text in the displayed diagram after selecting it by clicking and dragging, the item “Copy Selected Text” will appear in the context menu.

The selected text will be copied to the clipboard by clicking “Copy Selected Text”.



Note: For an SVG diagram, pressing the “Ctrl” and “C” keys of the keyboard does not copy.

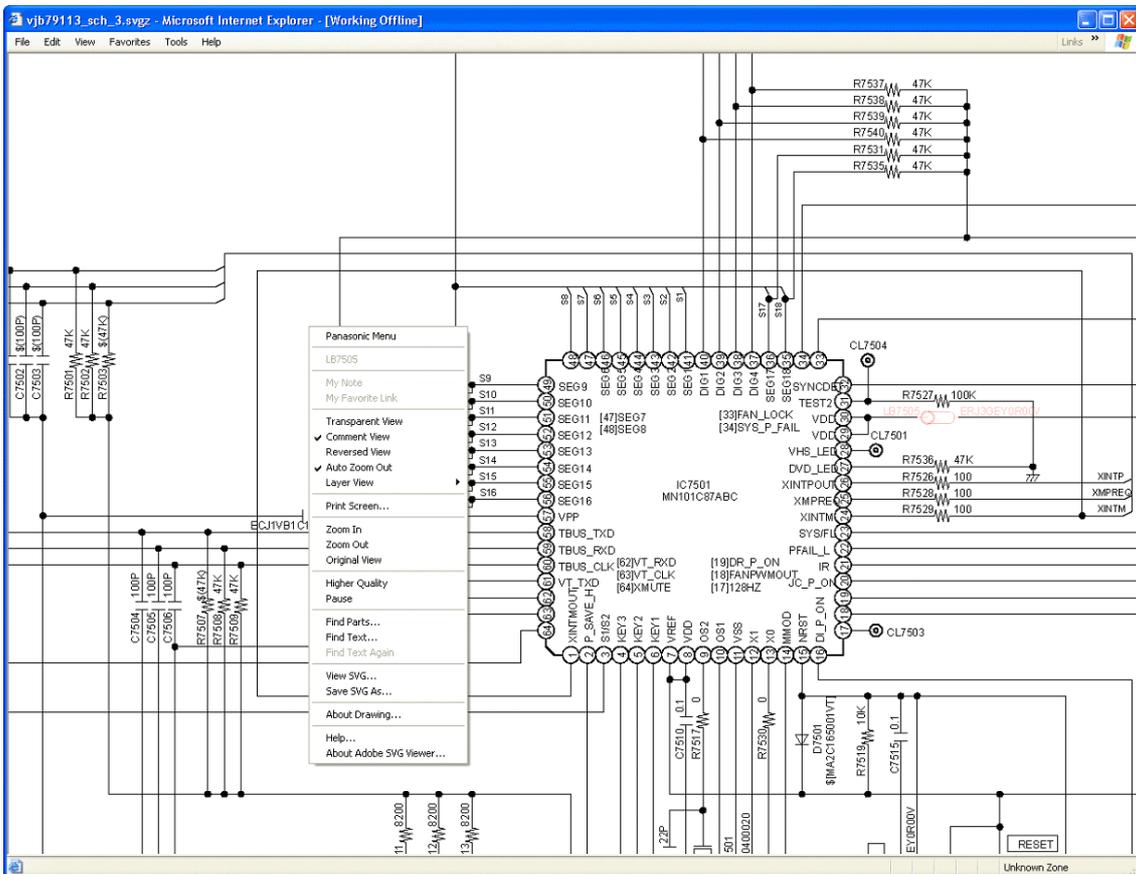
### 7.21. View SVG



A displayed diagram can be opened in another window. This is used to view different diagrams at the same time.

Additionally, various operations in the SVG context menu are available for an SVG diagram opened in another window as well as basic operations such as selecting a graphic image, zoom in and out and pan (move) (except for a certain functions).

However, the display of links is not possible with other diagrams or the Parts List.



### 7.22. Save SVG As



A displayed diagram can be saved to a local file.

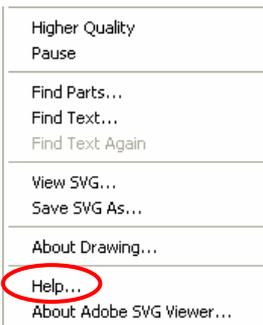
**7.23. About Drawing**



Various types of information regarding the displayed diagram is displayed. Moreover, in the information of the displayed diagram, when “Script Enable” is “False”, the operation commands for the relevant diagram will be limited.

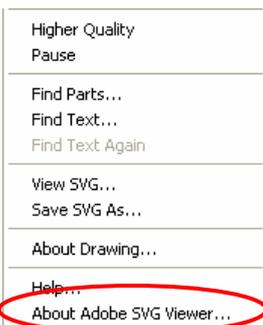


**7.24. Help**

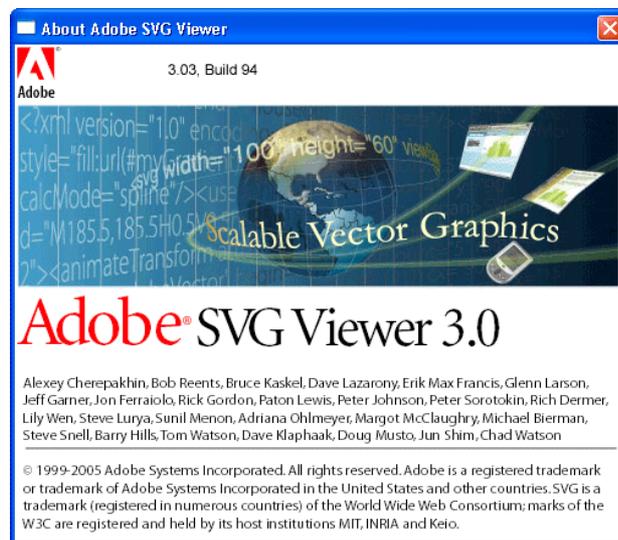


Originally, the Help item on the context menu was unavailable to users. However, this latest update has made the help function and the related information available to users. Clicking on this option calls up the help file which opens in a separate window.

**7.25. About Adobe SVG Viewer**



The version information for Adobe SVG Viewer is displayed. (SVG: Scalable Vector Graphics)



**8. Enhanced Function (Diagrams I)**

There are convenient functions such as My Note, My Favorite, etc., for Enhanced Functions, but it is necessary to set up the SETUP Utility and security on IE in order to access their functions.

Perform these functions after the necessary setup.

		Setting up SETUP Utility	CD Data Download Data		Web Site Data	
<b>Security set up on IE:</b> Run Active X Control that has not been marked as safe after running the script.			<b>Disable</b> (Default setting)	<b>Enable</b> ( <u>Required to set up</u> )	<b>Disable</b> (Default setting)	<b>Enable</b> ( <u>Required to set up</u> )
Basic Function			OK	OK	OK	OK
<b>Extended Function</b>	<b>My Note</b>	<b>Required</b>	OK	OK	NG	OK
	<b>My Favorite</b> Extra Window & My Favorite Link	<b>Required</b>	OK	OK	OK	OK
	<b>Parts List Update</b>	<b>Required</b>	This will be available in the future.			
	<b>Parts Order to Server</b>	<b>Required</b>	This will be available in the future.			

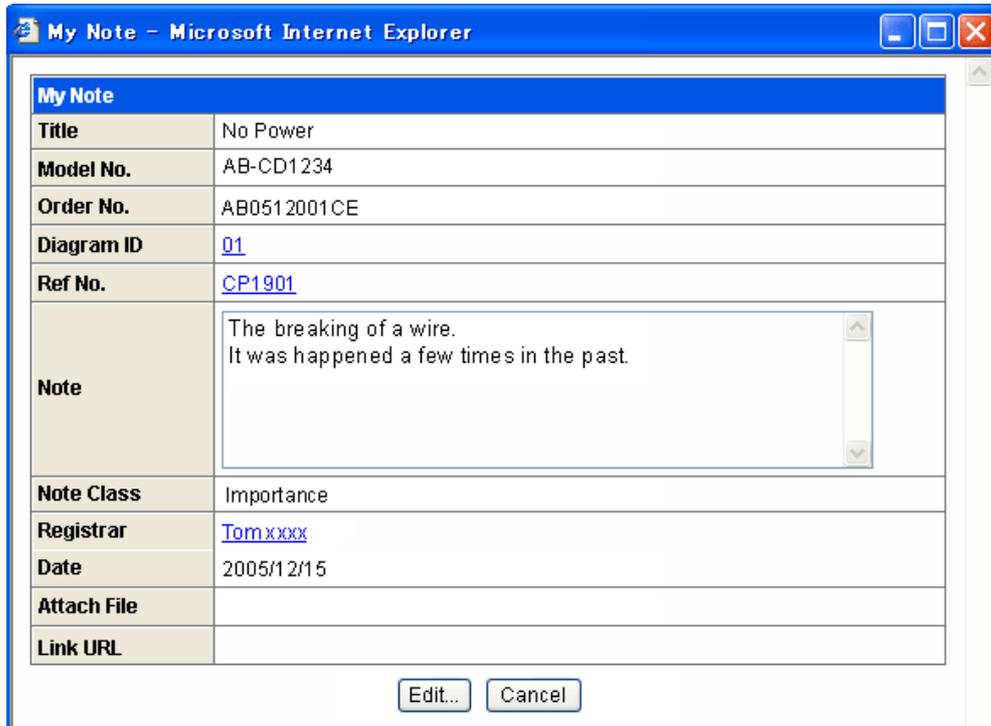
“OK” indicates that a function works.

“NG” indicates that it does not work.

### 8.1. My Note

Comments can arbitrarily be made for a part in a displayed SVG diagram. Repair information, etc., can be input, and it can be used as information for repairs.

*Example of a My Note display*



#### 8.1.1. Settings

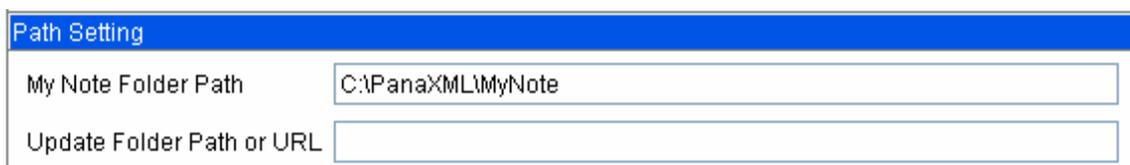
To make the My Note function work, it is necessary to set up as follows.

##### ■ Creating a folder to save data for My Note

To use this function, it is necessary to create a folder in which to save My Note data. Create a “PanaXML” in the C drive, and create a “My Note” subfolder in C:\PanaXML\MyNote ([Refer to Section 9.2.3](#)).

##### ■ Setting up Setup Utility

To use this function, set up a folder where comments are saved in the “My Note Folder Path” field in the SETUP window. (Refer to Section 9.2.1.)

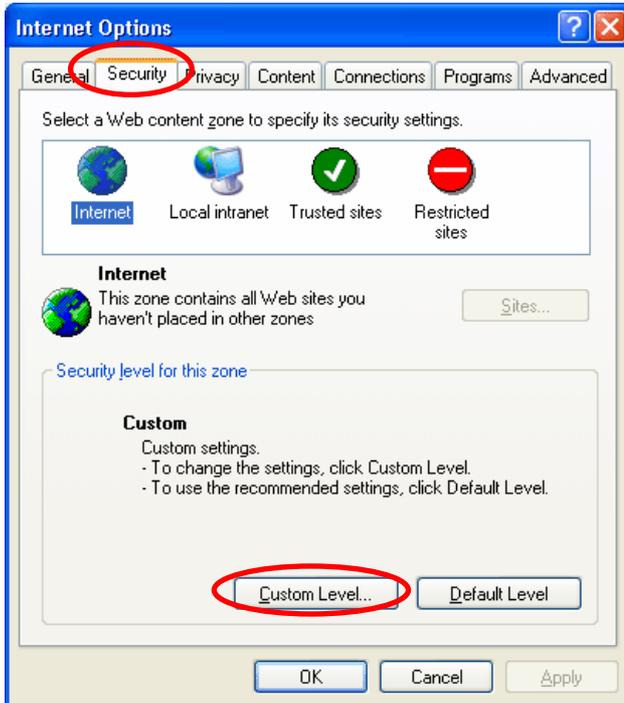


■ Security settings for IE

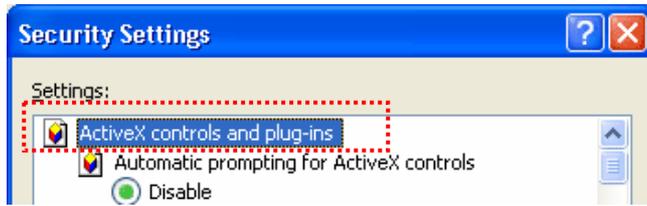
1. Click “Tools” on the menu bar of IE to open the “Internet Options” screen.



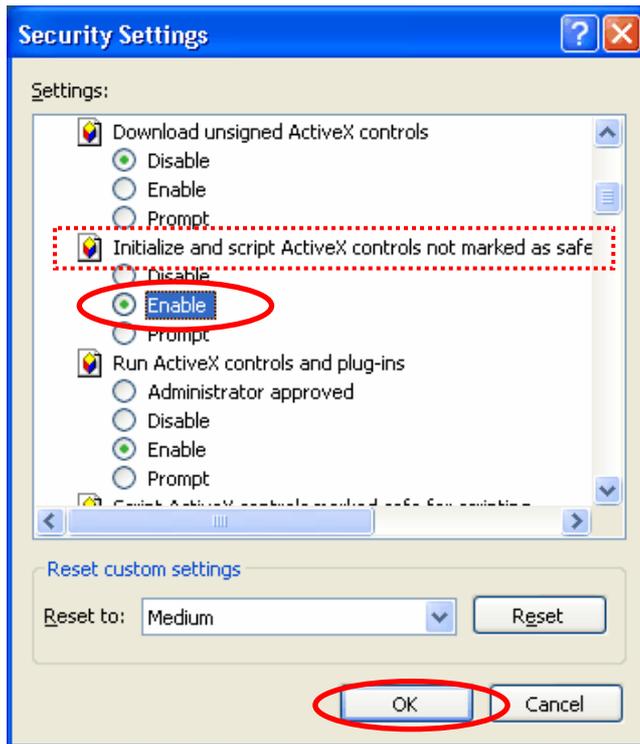
2. Click the “Security” tag in the “Internet Options” screen to open the “Security Settings” screen with the “Custom Level”.



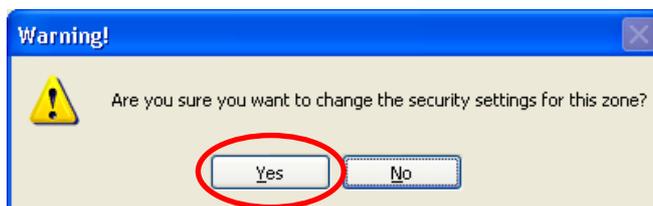
3. In “ActiveX controls and plug-ins”,



set the item, *Initialize and script ActiveX controls not marked as safe* to *Enable*.



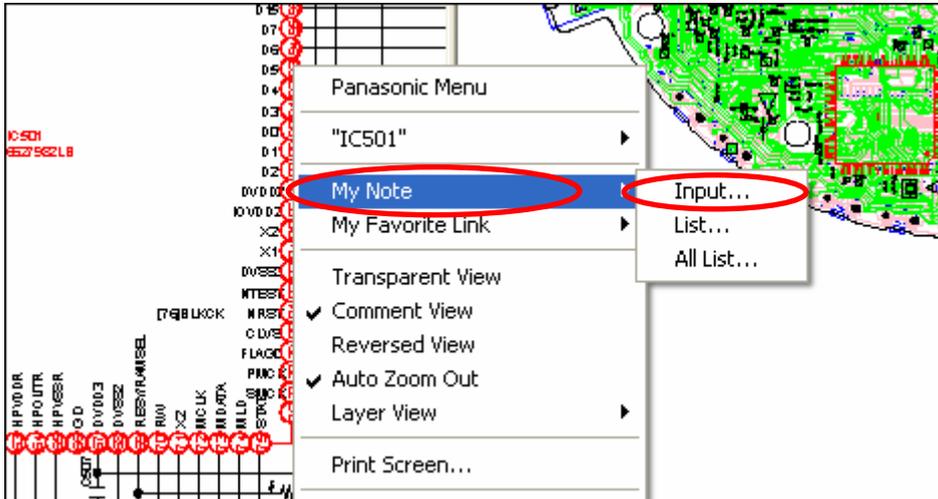
4. Click *Yes* in the next “Warning” screen.



5. After the *Warning* screen is closed, click *OK* in the “Internet Options” screen.  
(The security settings are completed.)

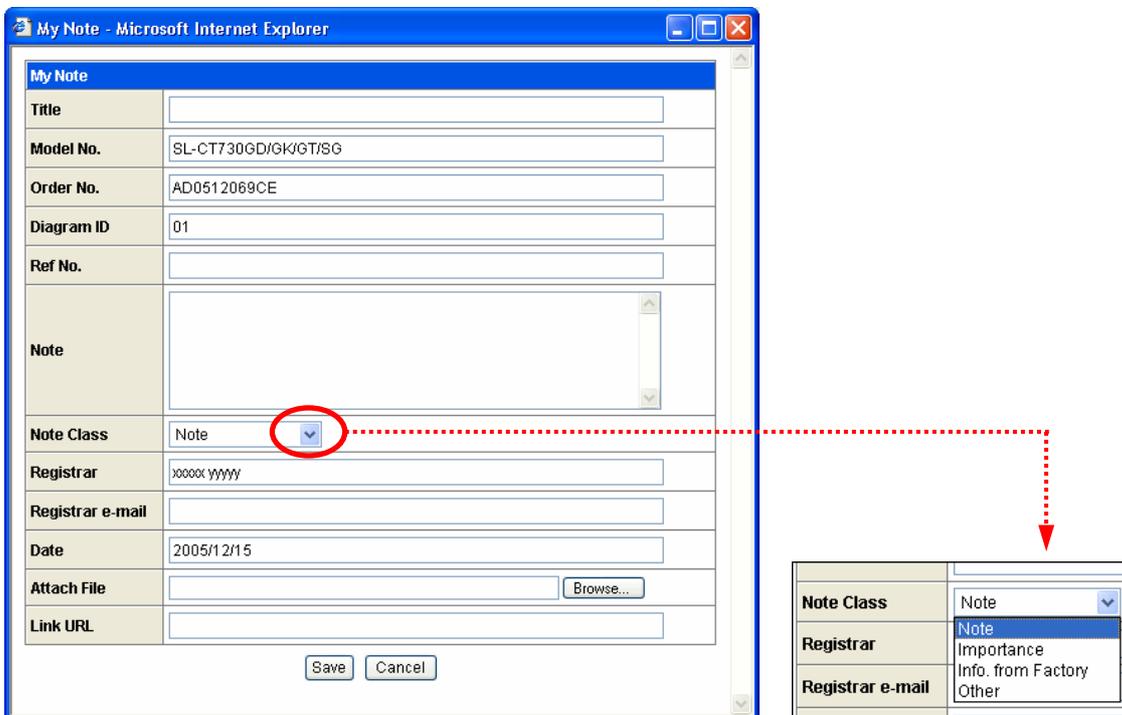
### 8.1.2. My Note Menu

Commands appear in the My Note submenu by clicking “My Note” in the SVG context menu, which appears by right-clicking.



### 8.1.3. Input

The comment input screen appears by clicking “Input” in the My Note submenu.



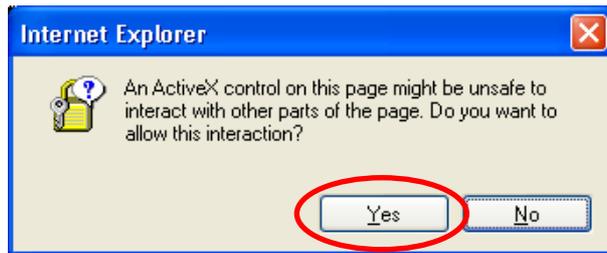
A screen appears with comment information such as model number, order number, diagram ID, reference number, and date, which are automatically input. If no graphic image is selected in an SVG diagram, the “Diagram Number” field of the comment input information is blank.

Furthermore, if user names and user email are set up in the “User Information Setup” of the setup window, the “User Name” and “User E-mail” fields are automatically entered. After arbitrarily inputting the other comment information, click the “Save” button to save.

The location for saving is the folder that has been set for Path Setting/My Note Path in Setup Utility.

**Note:** ActiveX Control is used to save the comment information.

When saving a text file for the first time, the following message is displayed. Click “Yes”.



The function to input comments is mainly for personal use, but multiple users can share information over a network by making the location for saving comments a shared folder on the network. In that case, we recommend noting the user names and user email.

### 8.1.4. List

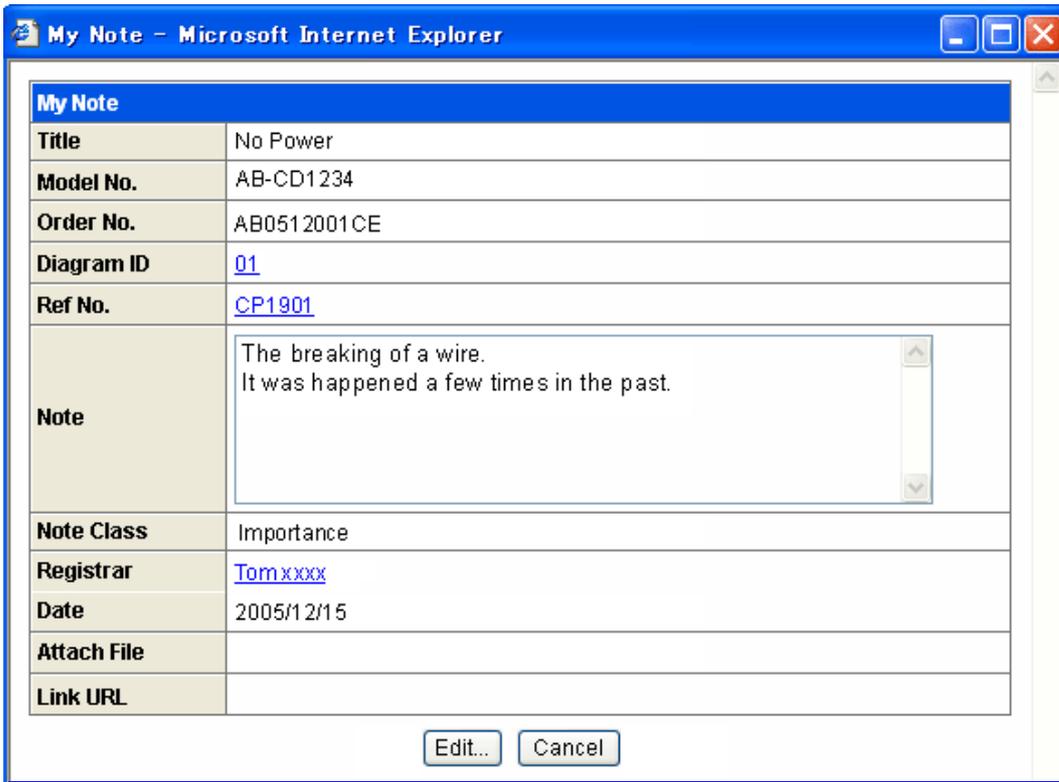
The existing comments for the displayed diagram are displayed in a list.

ID	Model	D.ID	Ref No.	Title	Class	Date	Attach	Link	Import...	Delete...
1	AB-CD1234	01	CP5301	No Audio (EE)	Note	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	Import...	Delete...
2	AB-CD1234	01	R5318	No FDP Display	Other	2005/12/19	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Import...	Delete...
3	AB-CD1234	01	CP5302	Emergency	Importance	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	Import...	Delete...
4	AB-CD1234	01	D5301	No Power	Info. from Factory	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	Import...	Delete...

To check details of the comment information, click the “Title” name of the comment in the list.

Clicking on a “Ref. No.” in the comment information selects the relevant part. Clicking on an ID “D.ID” name in the diagram for comment information in the existing comment list will display the relevant diagram.

The existing comment information can be re-edited by clicking the “Edit” button.



**■ Import**

When the list of existing comments is displayed, click the “Import” button to import the comment information (XML file) of other users.

**Notes:**

1. Comment information files that can be imported are limited to XML comment files with an equivalent data structure. If an XML comment file that does not have the specified data structure is imported, an error message will be displayed.
2. Comment information that is not equivalent to the order number that is currently viewed cannot be imported even if it is an XML comment file with an equivalent data structure.

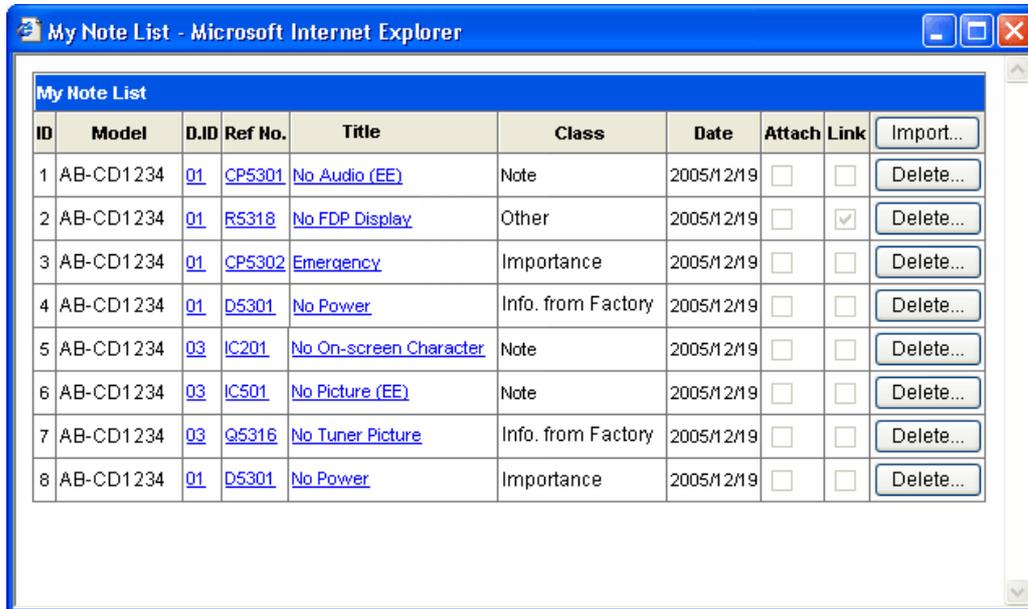


**■ Delete**

To delete comment information, click the “Delete” button when the list of the existing comment is displayed.

**8.1.5. Entire List**

A list of the existing comments for all diagrams in the relevant service manual is displayed.



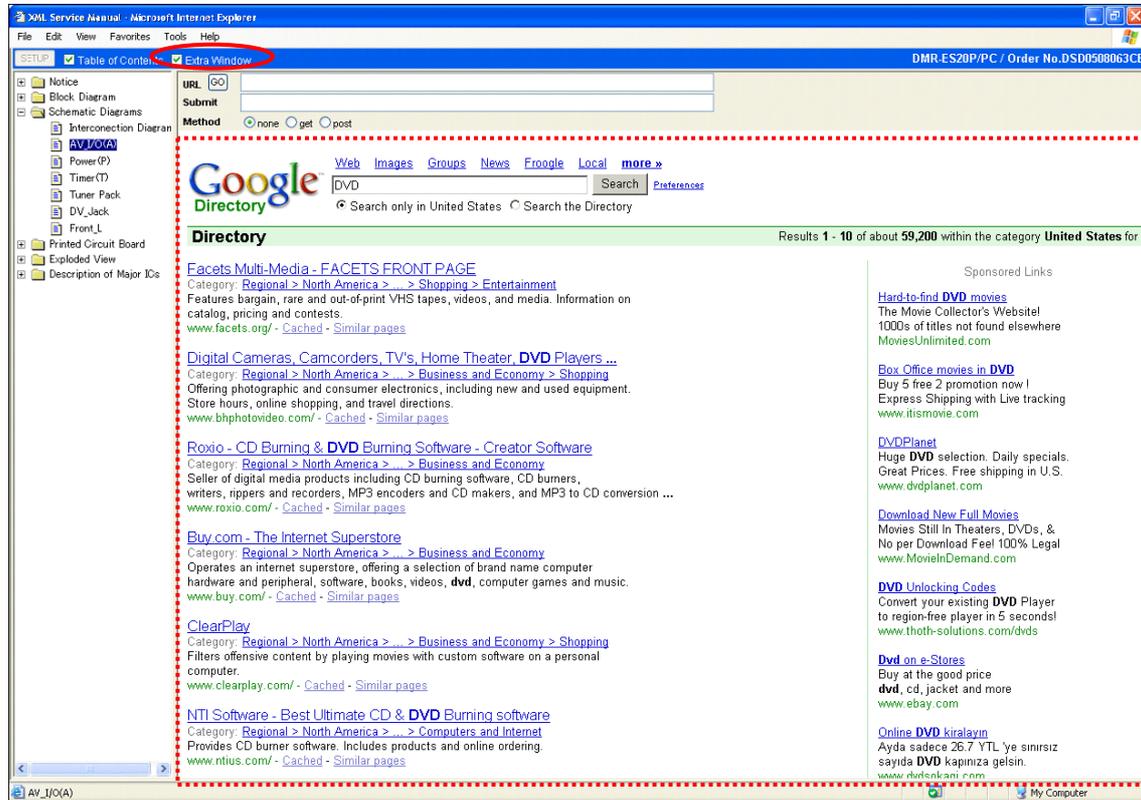
Clicking on an ID “D.ID” name on the diagram for comment information in the existing comments list will display the relevant diagram. Clicking on a “Ref. No.” in the comment information selects the relevant part in addition to displaying the relevant diagram.

To check details of the comment information, click the “Title” name of the comment in the displayed list.

**Note:** The relevant part may not be selected due to the timing of the process.

## 8.2. Extra Window (My Favorite)

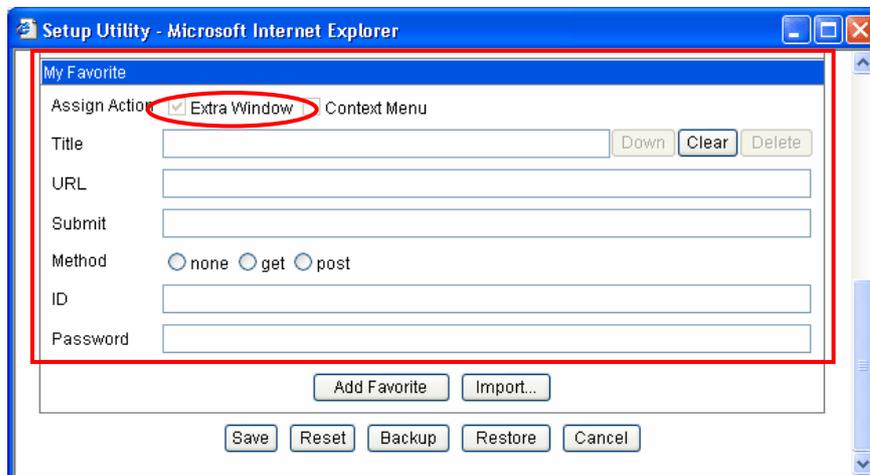
When “My Favorite” is set up in the Setup Utility, a title that has been set up on the right side of the Table of Contents on the menu bar appears. An arbitrary Web page will be displayed in the frame by clicking this checkbox.



If each item of “My Favorite” is not set up, the Extra Window will be displayed blank.

### 8.2.1. Settings

To use this function, set up the URL of the connected Web site, submitted information, and submission method in the first setup field (Assign Action: Extra Window) of “My Favorite” in the Setup Utility window (Refer to Section 9.4).



Moreover, if the relevant service manual is a bound volume (for multiple models), a select list of



model numbers is displayed only when \$(CurModel) of a reserved word is specified with the “Submit” specification. By default, only the first model number is sent to a Web site specified for connection. To change the model number to submit to a Web site, select the model number from the selection list.

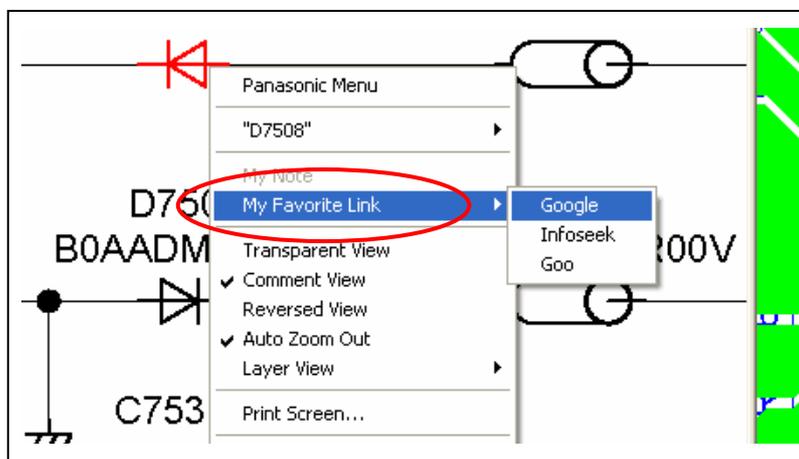
Notes:

1. The Extra Window establishes a connection to a specified Web site simultaneously upon activating the relevant service manual. Therefore, please do not use reserved words with uncertain data such as \$(CurRefNo), \$(CurPartNo), and \$(CurBlockNo) when the service manual is activated.
2. If the specified Web site page displayed in the Extra Window is different from the expected result, try accessing the Web page again by clicking the “Go” button after temporarily replacing the “URL”, “Submit”, and “Method” at the top of the Extra Window. In this case, reserved words cannot be used for the “Submit” specification.

8.3. My Favorite Link

Various types of information in the relevant service manual (model number or order number) and the selected parts in the diagram will be submitted as keywords in addition to displaying arbitrary Web pages.

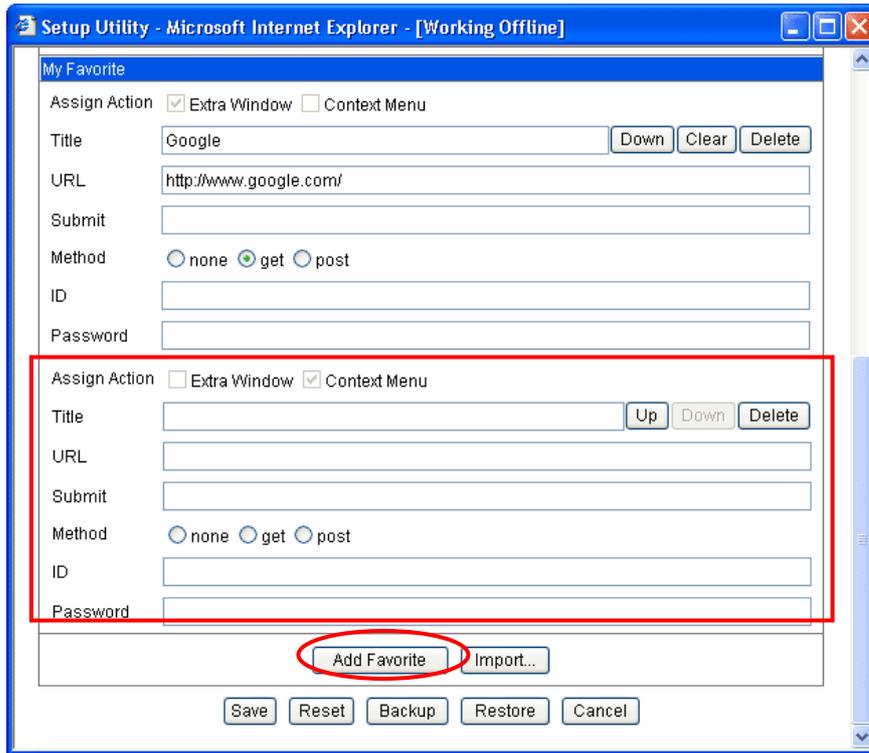
When the My Favorite link function is activated, link titles (input information to Setup Utility) are displayed in the submenu of “My Favorite Link” in the SVG context menu that appears by right-clicking.



**8.3.1. Settings**

To use this function, specify the URL of a Web site for connection, as well as submission information and submission method in “My Favorite” in the Setup Utility.

1. Click “Add Favorite” at the bottom of the screen to add more input fields for “My Favorite”.  
At this time, the added setup fields are set in the “context menu”.

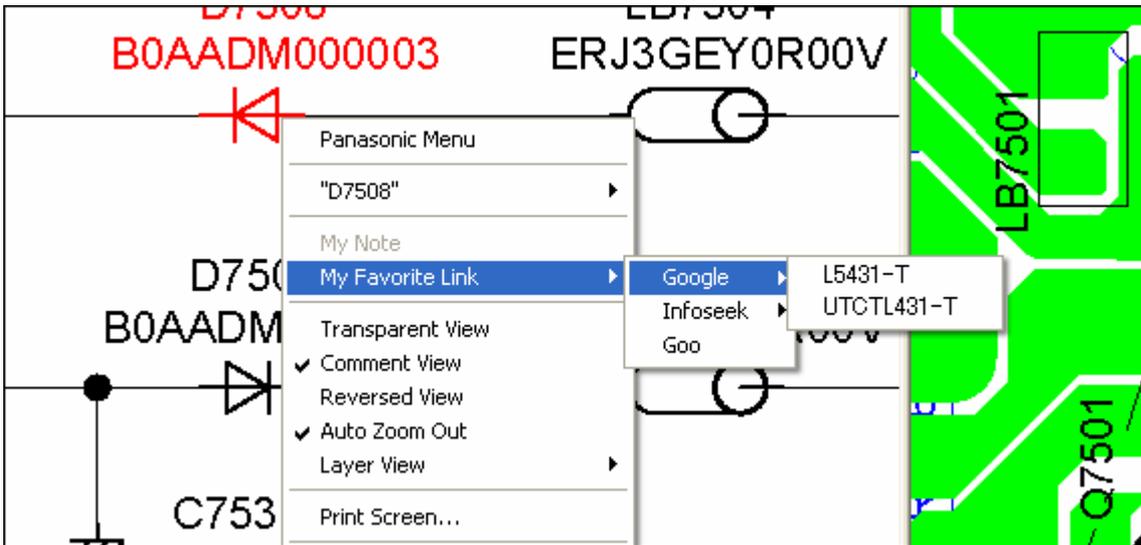


2. [Please check “My Favorite” in the section for Setup Utility \(Refer to Section 9.4\)](#) for detailed information for setup.

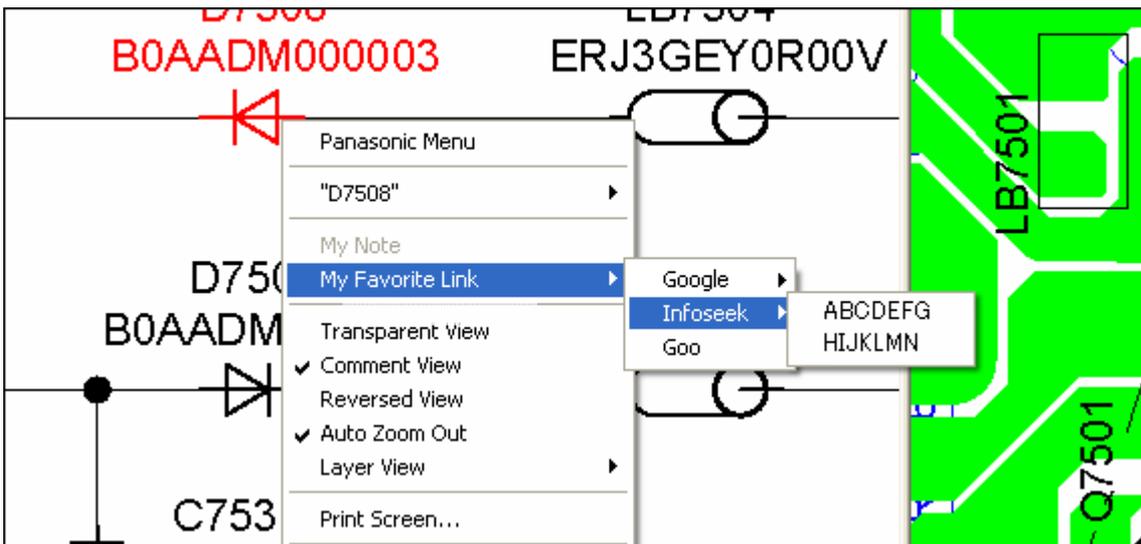
The submenu displayed in “My Favorite” in the context menu (Panasonic menu) appeared by right-clicking is an item that has been setup in “Title”. If the “Title” field is blank, it will not be displayed as a submenu.

Moreover, if the relevant service manual is a bound volume (for multiple models) and there is more than one part number or part name (or parts) for the selected parts in the displayed diagram, this submenu name (title name for connection) will display another submenu only when the reserved words, which are \$(CurModel), \$(CurPartNo), and \$(CurPartName), are setup by the “Submit” specification. However, if the three reserved words mentioned above are included together, only the first reserved word specified to be described becomes available for selection, and the other reserved words are not available for selection, and thus only the first information becomes submitted data.

*There are multiple part numbers when specifying \$(CurPartNo)*



*There are multiple model names when specifying \$(CurModel).*



To change the order of the list of Web site information for connection or to delete it, click the “Up”, “Down”, or “Delete” buttons. The Web pages to be displayed in the Extra Window or a Web page to be displayed from the SVG context menu can be replaced ([Refer to Section 9.4.4 for Setup Utility](#)).

### 8.4. Parts List Update Function (Under Review for Future Functionality Expansion)

Parts List information for a service manual recorded in offline media such as CD-ROM was static, and it was not possible to update the described information in the past. In the XML/SVG Service Manual, it is possible to display in a form with changes tracked by adding updated data (different Parts List data) to the original Parts List data.

*Parts List before update*

Order	Change	Ref. No.	Part No.	Part Name & Description	Qty	Remarks	Diagram ID
Order		IC3101	C0DBCHD00004	Regulator +5V IC	1		01
Order		IC3401	B3ZA.Z0000016	Optical Digital Audio OutPut IC	1		01
Order	Δ	IC3601	RFKFM4500E2P	IC	1		01
Order		IC4001	C0CB CDG00006	JC Regulator +5V IC	1		01
Order		Q3401	B1ABDF000033	TRANSISTOR	1		01
Order		Q4002	B1ABDF000026	TRANSISTOR	1		01
Order		Q4004	2SD1862QRTV6	TRANSISTOR	1		01
Order		Q4005	2SB1240PRTV2	TRANSISTOR	1		01
Order		Q4006	B1ABDF000026	TRANSISTOR	1		01
Order		Q4007	B1ABDF000026	TRANSISTOR	1		01
Order		Q4008	B1ABDF000026	TRANSISTOR	1		01
Order		Q4012	B1ABDF000026	TRANSISTOR	1		01
Order		Q4013	B1ABDF000026	TRANSISTOR	1		01
Order		Q4014	B1ABDF000026	TRANSISTOR	1		01
Order		Q4015	B1ABDF000026	TRANSISTOR	1		01
Order		GR3006	B1GBCFLL0042	TRANSISTOR	1		01
Order		GR3008	B1GBCFLL0042	TRANSISTOR	1		01
Order		GR4001	XN0431100L	TRANSISTOR	1		01

*Parts List after update*

Order	Change	Ref. No.	Part No.	Part Name & Description	Qty	Remarks	Diagram ID
Order		IC3101	C0DBCHD00004	Regulator +5V IC	1		01
Order		IC3401	B3ZA.Z0000016	Optical Digital Audio OutPut IC	1		01
Order	Δ	IC3601	RFKFM4500E2P	IC	1		01
Order		IC4001	C0CB CDG00006	JC Regulator +5V IC	1		01
Order		Q3401	B1ABDF000033	TRANSISTOR	1		01
Order		Q4002	B1ABDF000026	TRANSISTOR	1		01
Order		Q4004	2SD1862QRTV6	TRANSISTOR	1		01
Order		Q4005	2SB1240PRTV2	TRANSISTOR	1		01
Order		Q4006	B1ABDF000026	TRANSISTOR	1		01
Order		Q4007	B1ABDF000026	TRANSISTOR	1		01
Order	D	Q4008	B1ABDF000026	TRANSISTOR	1		01
Order	A	Q4009	B1ABDF000026	TRANSISTOR	1		01
Order		Q4012	B1ABDF000026	TRANSISTOR	1		01
Order		Q4013	B1ABDF000026	TRANSISTOR	1		01
Order	C	Q4014	B1ABDF000033	TRANSISTOR	1		01
Order		Q4015	B1ABDF000026	TRANSISTOR	1		01
Order		GR3006	B1GBCFLL0042	TRANSISTOR	1		01
Order		GR3008	B1GBCFLL0042	TRANSISTOR	1		01
Order		GR4001	XN0431100L	TRANSISTOR	1		01

The change identification is displayed in the Parts List. In addition, reference information on the context of the change will be displayed, if any, in the “Change” field.

The following are examples of change identification.

Display for Change Identification	Description
A	Adding parts
C	Changing parts
D	Deleting parts

**Notes:**

1. The comparison Parts List data is displayed in conjunction with the original Parts List data simultaneously upon activating the relevant service manual. Therefore, when using new comparison Parts List data, it is necessary to reactivate the relevant service manual.
2. If parts that have been added or deleted in the comparison Parts List data do not exist in the diagram of the relevant service manual, the three-point link or two-point link function will not work properly.

#### **8.4.1. Settings**

---

To use this function, set up the folder or URL with the comparison Parts List data in “Update Folder Path or URL” in the Setup Utility.

[\(Refer to Section 9.2.2 for Setup Utility.\)](#)

**8.5. Parts Order to the Parts Order Server (Under Review for Future Functionality Expansion)**

**8.5.1. Settings**

**Note:** The conditions for the connection to the Parts Order server need to be set up in the Parts Order setup in the Setup Utility before this function is used.

First, set up the parts order of Setup Utility ([Refer to Section 9.3 for Setup Utility](#)).

**8.5.2. Selecting Parts to Order**

With the XML/SVG Service Manual, parts can be selected from the Parts List or SVG diagram to order. Refer to [6.3.1 Selecting Parts to Order](#) for how to select them.

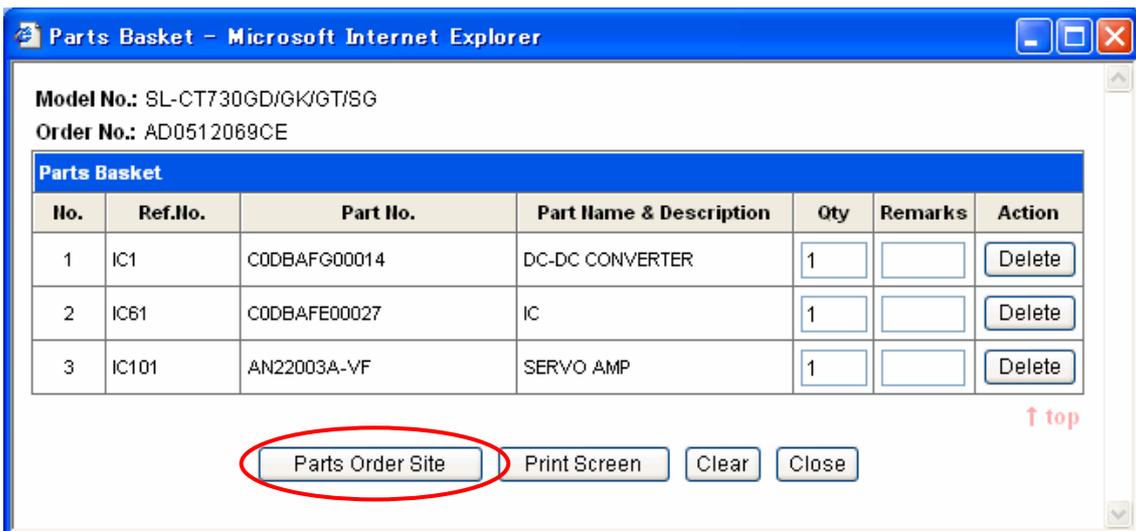
If the number of parts stored in the Parts Basket window exceeds the set value of the Parts Order Web site, the message to the right will be displayed, and addition to the Parts Basket will be limited.



\* Parts information can be added to the Parts Basket from the SVG context menu again by deleting parts items (lines) from the list of the Parts Basket to less than the setting value.

**8.5.3. Parts Order from the Parts Basket**

The necessary information in the list of parts to order will be sent to the Parts Order Site by clicking the “Parts Order Site” button in the Parts Basket window, and the parts will be ordered.

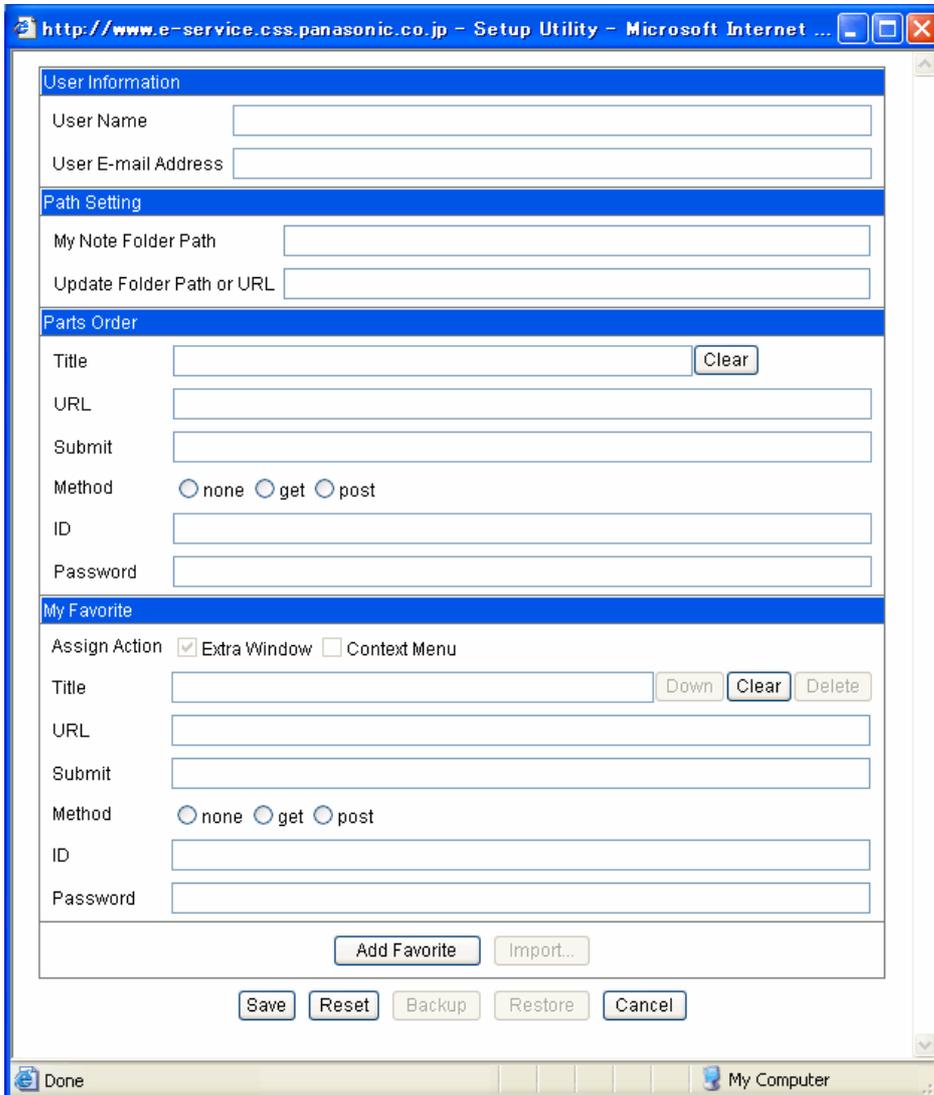


**Note:** The text input in the Title field of Parts Order in Setup Utility appears as the name of the send button. If “Parts Order Site” has been input in the Title field of Parts Order in the Setup Utility, the button will appear as shown in the screen above.

\* After the Parts Order operation, the information in the Parts Basket will be initialized (cleared).

**9. Setup Utility (Diagrams I)**

In order to use the XML/SVG Service Manual more effectively, set up the following enhanced functions.



Item	Setup Function
User Information settings	User name and e-mail address settings
Path Setting (for functionality expansion)	My Note: Function for writing comments on the diagrams Update: Function for combining differences between the Parts List (original data) and modified Parts List data after original publication
Parts Order link settings (for previous functionality expansion)	Function for linking to Parts Order Web site when ordering parts from parts inside a diagram (parts having a Ref No.) or the Parts List
My Favorite link settings	Function for linking to an optional Web site from parts in a diagram

### 9.1. User Information Settings

Set up a user name and user e-mail address for the XML/SVG Service Manual, and click the “Save” button at the bottom of the SETUP window.

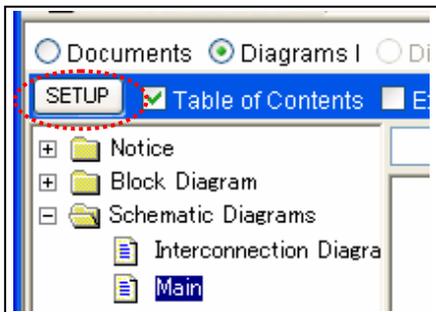
It is not necessary to set up this item, but if you use the function to write comments on a diagram, the name, etc., of the comment registrant is automatically entered.

### 9.2. Path Settings

#### 9.2.1. My Note Folder

Designate the destination folder for saving comment information when voluntarily writing comments on SVG diagrams while they are displayed and for information of modified graphic images color in the SVG diagrams.

Here, input “C:\PanaXML\MyNote ” and click the “Save” button at the bottom of the SETUP window.



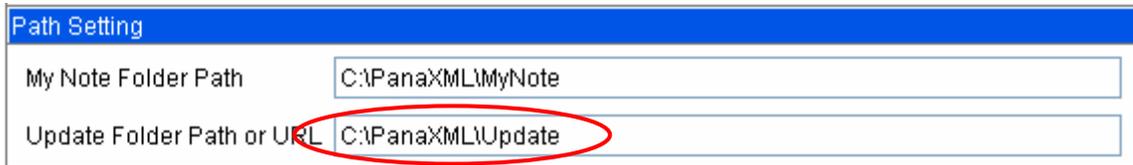
When setting up the MyNote Folder Path, the Import”, “Backup”, and “Restore” buttons at the bottom of the SETUP window will become active.

The “SETUP” button for entering the Setup Utility will also switch to active display.

**9.2.2. Update Folder/URL (for Future Functionality Expansion)**

When using the function to update the Parts List, set up the URL or folder for different Parts List data provided in the designated format, and click the “Save” button.

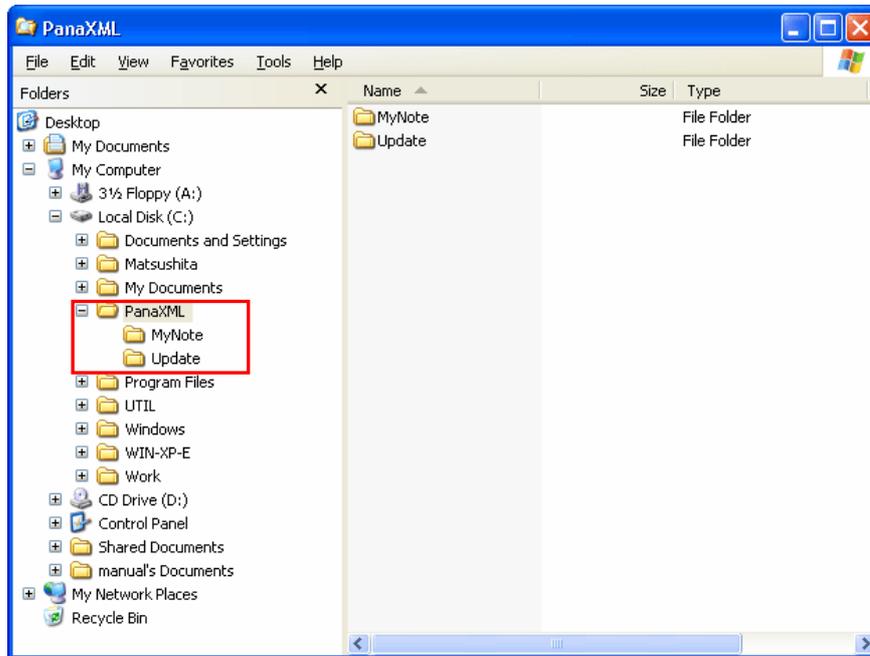
Here, enter “C:\PanaXMLUpdate ”, and click the “Save” button.



**9.2.3. Creation and Role of the Data Folder**

To use enhanced functions such as the My Note function and Update function, it is necessary to create a “PanaXML” folder in the C: drive and create subfolders as shown in the following diagram.

[\(Refer to Section 2.4.\)](#)



/PanaXML: In addition to the folders and files for My Note and Update, also save data downloaded from the server in this folder.

/MyNote: Folder for saving data from graphic images color modification information and My Note function (function for writing comments) on the SVG diagrams.

/Update\*: Location for saving update information on the local PC.

**Note:** When the above mentioned folders are not present, unexpected errors may arise in various operations of the XML/SVG Service Manual.

A folder with the character \* is provided for expanding functions in the future.

**9.3. Parts Order Link Settings (for Future Enhanced Functions)**

In the future, we will consider a system for directly transmitting Parts Order data to the Parts Order Web site. In that case, set up for transmitting various information regarding Parts Order.

**9.3.1. Inputting the Title**

Text entered into the title field will become the name of the button for sending the Parts Order in the Parts Basket.

Parts Order

Title:

URL:

Submit:

Method:  none  get  post

ID:

Password:

Parts Basket - Microsoft Internet Explorer

Model No.: SL-CT730GD/GK/ST/SG  
Order No.: AD0512089CE

Parts Basket						
No.	Ref.No.	Part No.	Part Name & Description	Qty	Remarks	Action
1	IC1	C0DBAFG00014	DC-DC CONVERTER	1		<input type="button" value="Delete"/>
2	IC61	C0DBAFE00027	IC	1		<input type="button" value="Delete"/>
3	IC101	AN22003A-VF	SERVO AMP	1		<input type="button" value="Delete"/>

↑ top

When clicking the “Parts Order Site” button in the Parts Basket window, information necessary in the list of ordered parts will be sent to the Parts Order Site, and parts will be ordered.

**9.3.2. Setting Details**

In the future, if a Parts Order Web site is set up and it becomes possible to link to the XML/SVG Service Manual, input after confirming the setting details with the administrator of the server.

### 9.4. My Favorite Settings

Set up the following items to display an optional Web page in the Extra Window and display it from the SVG context menu (right-click menu), or as keywords to send various information (Model No. and Order No.) regarding the relevant service menu or various information regarding selected parts on the diagrams.

After setup, click the “Save” button.

**Setup Utility - Microsoft Internet Explorer**

**My Favorite**

Assign Action  Extra Window  Context Menu

Title:

URL:

Submit:

Method:  none  get  post

ID:

Password:

---

Assign Action  Extra Window  Context Menu

Title:

URL:

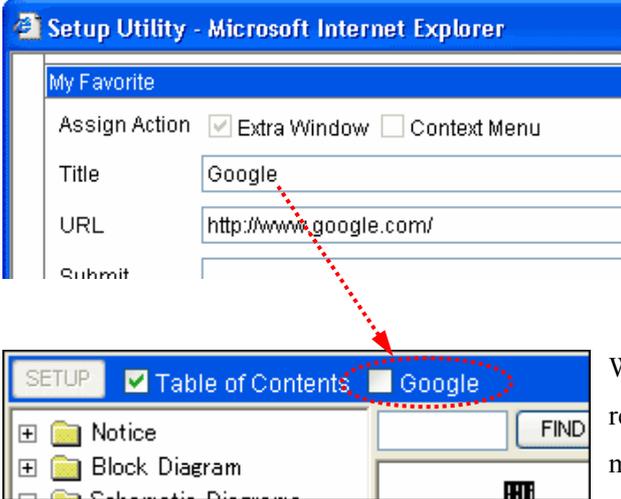
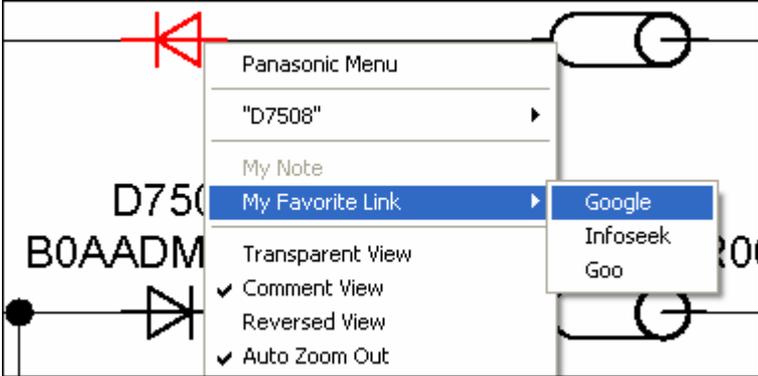
Submit:

Method:  none  get  post

ID:

Password:

9.4.1. Description of Setting Items

Setting Items	Description						
<p>Title (When actions are allotted to the “Extra Window”)</p>	<p>This title name becomes the display name for the “Extra Window” in the sub-frame. “Extra Window” (default) is displayed when blank.</p>  <p>When Internet Explorer is rebooted, a title emerges in menubar.</p>						
<p>Title (When actions are allotted to the “context menu”)</p>	<p>This title name becomes the display name of the submenu (right-click menu) in the SVG context menu.</p> 						
<p>URL</p>	<p>Designate the URL of the Web site to which you want to be connected.</p>						
<p>Submit</p>	<p>Designate data to be sent to the designated Web site connection. In addition, outgoing data differs depending on the connected Web site.</p> <p>To describe outgoing data, it is possible to insert the following reserved words.</p> <p>After the following relevant character strings have been automatically inserted in this reserved word position, they are sent to the Web site.</p> <table border="0" data-bbox="422 1933 1061 2056"> <thead> <tr> <th>Reserved Words</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>\$(CurModel)</td> <td>Relevant service manual Model No.</td> </tr> <tr> <td>\$(CurManualNo)</td> <td>Relevant service manual Order No.</td> </tr> </tbody> </table>	Reserved Words	Description	\$(CurModel)	Relevant service manual Model No.	\$(CurManualNo)	Relevant service manual Order No.
Reserved Words	Description						
\$(CurModel)	Relevant service manual Model No.						
\$(CurManualNo)	Relevant service manual Order No.						

	\$(CurRefNo)	Selected parts Diagram No. within the displayed diagram
	\$(CurPartNo)	Selected Parts No. within the displayed diagram
	\$(CurBlockNo)	Diagram ID while the diagram is displayed
	\$(CurUserName)	User name (Item set in “user name”)
	\$(CurUserEmail)	User e-mail address (Item set in “user e-mail”)
	\$(CurUserId)	“ID” item to be described later
	\$(CurUserPassword)	“Password” item to be described later
	\$(CurYYYY)	Today’s date (for digits for year)
	\$(CurMM)	Today’s date (two digits for month)
	\$(CurDD)	Today’s date (two digits for day)
Method	Designate the means of sending data to the designated connection Web site. In addition, the means for sending data will differ depending on the connected Web site.	
ID	If user authentication is set for the designated Web site connection, set in advance to use together with the previously described reserved words.	
Password	If user authentication is set for the designated Web site connection, set in advance to use together with the previously described reserved words.	

**9.4.2. Addition of My Favorite Settings Fields**

When newly setting up a connected Web site in the SVG context menu (right-click menu), set up each of the abovementioned various items after clicking the “Add Favorite” button and adding the input fields.

**9.4.3. Import**

When the Path is set for My Note, the Import function becomes active.

In an external file (XML format), preset information for connecting to the optional Web site, and click the “Import” button if necessary to import the connection information. The imported connection information is added below the existing connection information.

**Notes:**

1. Importable connection information settings files are limited to XML files of the designated data structure. An error message is displayed when attempting to import XML files that do not have the designated data structure.



2. Backup files created by the Backup function can be imported. In such a case, the information that can be imported is only My Favorite link settings information.

To specify connection information in XML format, refer to the following structure.

*Example of using “Yahoo” and “Google” as the optional Web sites for connection*

```
<?xml version="1.0" encoding="utf-8" ?>
<myfavorite>
  <linkinfo title="Yahoo" orderaction="no">
    <url>http://search.yahoo.co.jp/bin/search</url>
    <submit>p=$(CurModel)</submit>
    <method id="1">get</method>
    <userid />
    <userpasswd />
  </linkinfo>
  <linkinfo title="Google" orderaction="no">
    <url>http://google.com/search</url>
    <submit>hl=ja&q=$(CurPartNo)&lr=lang_ja</submit>
    <method id="1">get</method>
    <userid />
    <userpasswd />
  </linkinfo>
</myfavorite>
```

Notes:

1. When it is necessary to multiple sets of data described in the <submit> node, the various data sequences can be linked by "&", but when specifying them in an external XML file, use "&amp;".
2. ID attribute values of the <method> node are described by any of "0:none", "1:get", either of "2:post".

#### 9.4.4. Changing the List Display Order

Click the “Up” and “Down” buttons to change the list display order of information for each connected Web site. It is possible to switch the Web pages displayed in the SVG context menu and Web pages displayed in the Extra Window.

#### 9.4.5. Deleting Lists

To delete the list display of connected Web site information, click the “Delete” button.

### 9.5. Save

Various set information is saved in “Cookies (\*)”.

\* Cookies are mechanisms for Web browsers and Web servers to exchange information such as User Information and access history. The XML/SVG Service Manual uses these cookies to save settings information.

Notes:

1. Settings information is set/maintained each time a user logs in to Windows.
2. The largest size that can be maintained by a “Cookie” is approximately 5 KB. When the settings information exceeds this maximum value, the “Cookie” cannot be saved.
3. When a “Cookie” is deleted, all of this settings information is initialized.

### 9.6. Reset

Various set information is completely deleted.

Notes:

1. Path Setting and Parts Order link settings return to default.
2. The domestic Service Manual and overseas service manual differ in default settings.

### 9.7. Backup

When the Path of My Note is set, the Backup function becomes active.

The various set information is saved as an external XML file.

Notes:

1. The XML file name becomes “backupYYYYMMDD.xml” (YYYYMMDD is today’s date). It is not possible to specify the file name.
2. The XML file is saved to the Desktop. It is not possible to specify the destination for saving the file.
3. The XML file can be arbitrarily moved after being saved.

### 9.8. Restore

When the Path of My Note is set, the Restore function becomes active.

Read in the settings information file backed up in XML format.

Notes:

1. Any information that may have already been set by the Setup Utility will be completely deleted.
2. After reading in the settings file, click the “Save” button and save to a “Cookie”. If you do not

- save, the settings information will not be updated.
3. When attempting to import a backup file that does not have the designated data structure, an error message will be displayed.



## 9.9. Cancel

Cancel details of modified settings before “Save”.

End