

# **Service Manual (XML/SVG) Operating Instructions**

**(For Web Data Access)**

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## Introduction

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

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

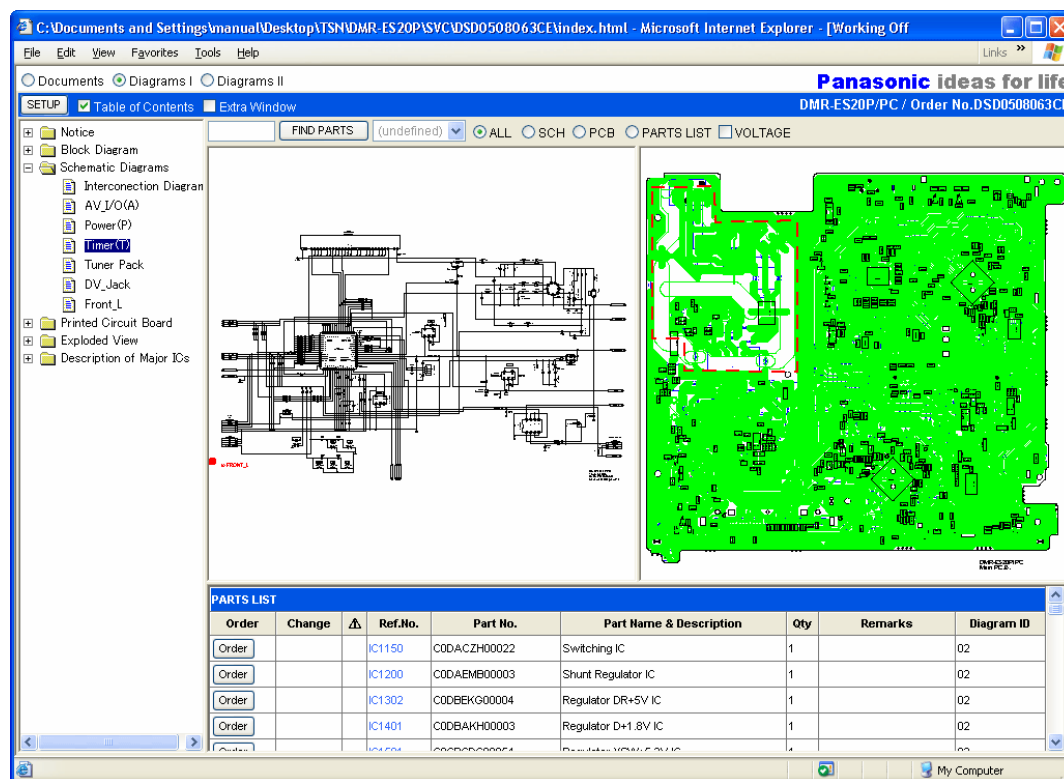
(PDF is partially used.) Hereinafter, refer to as **XML/SVG Service Manual**.

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 <sup>(*)1</sup>
Network:	Area with an Internet connection <sup>(*)2</sup>

(\*)1) As of December 2005, Adobe® Reader 7.0.5 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

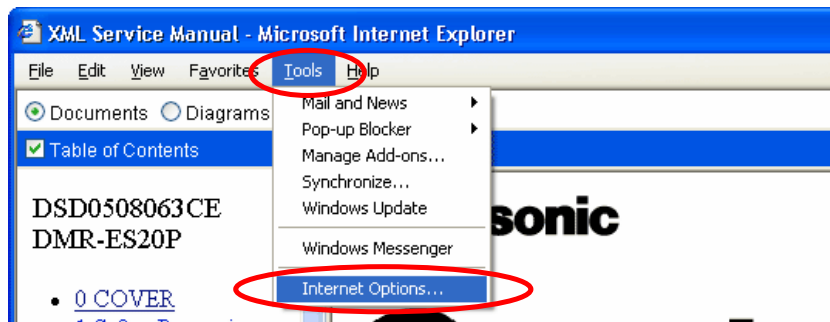
The XML/SVG Service Manual uses ActiveX Control.

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.

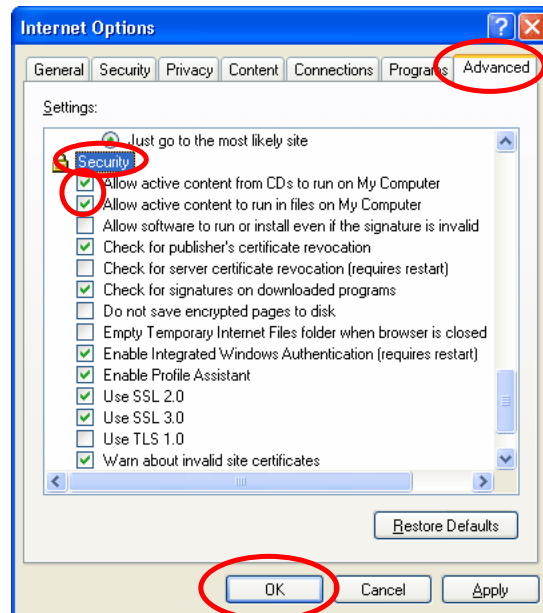
#### 2.1.1. For Windows XP (IE Ver.6.0 SP2)

**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*.

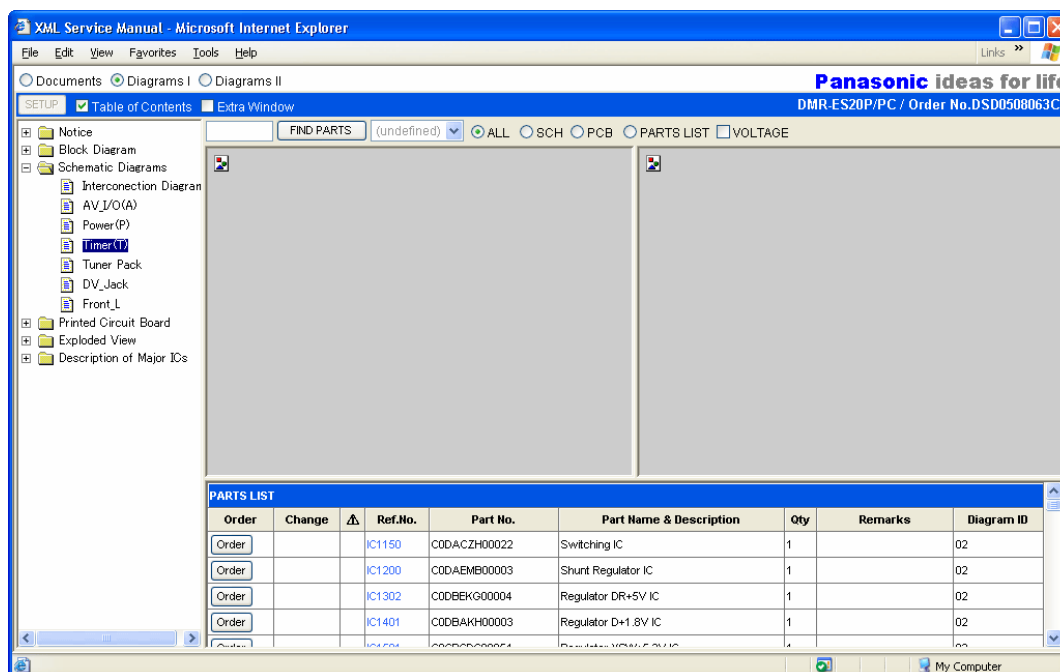


Other items are not related to movement of the XML/SVG Service Manual.

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 December 5, 2005, 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)

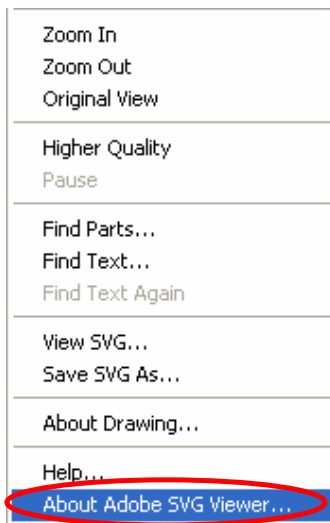
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1. Close all IE windows.
2. Double-click the downloaded “SVGView.exe” installer.

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.

### 2.3.1. Downloading Adobe Reader

1. Access the download site for Adobe Reader.

Click the following URL or icon.

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

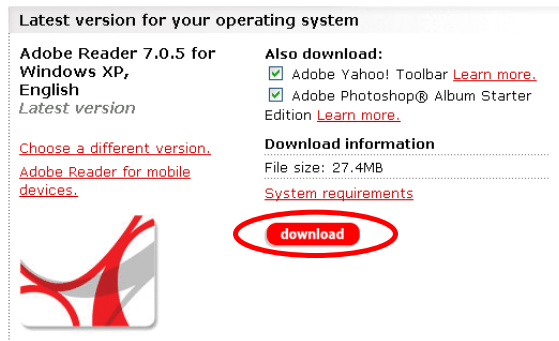


\* The latest version as of December 5, 2005, is 7.0.5.

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

### Adobe Reader

Download the latest version of Adobe Reader



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

### 2.3.2. Installing Adobe Reader

1. Double-click the following downloaded file .

• Downloaded file:

“AdbeRdr705\_DLM\_jpn\_full.exe”


2. After the installer shown on the right side is launched, follow the instruction on the screen to install.

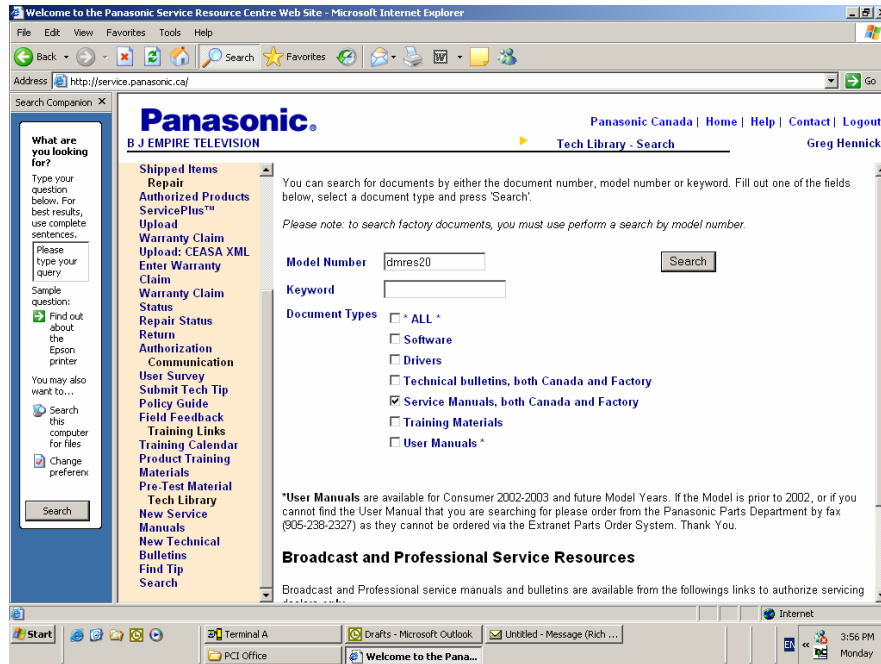



## 3. Activation

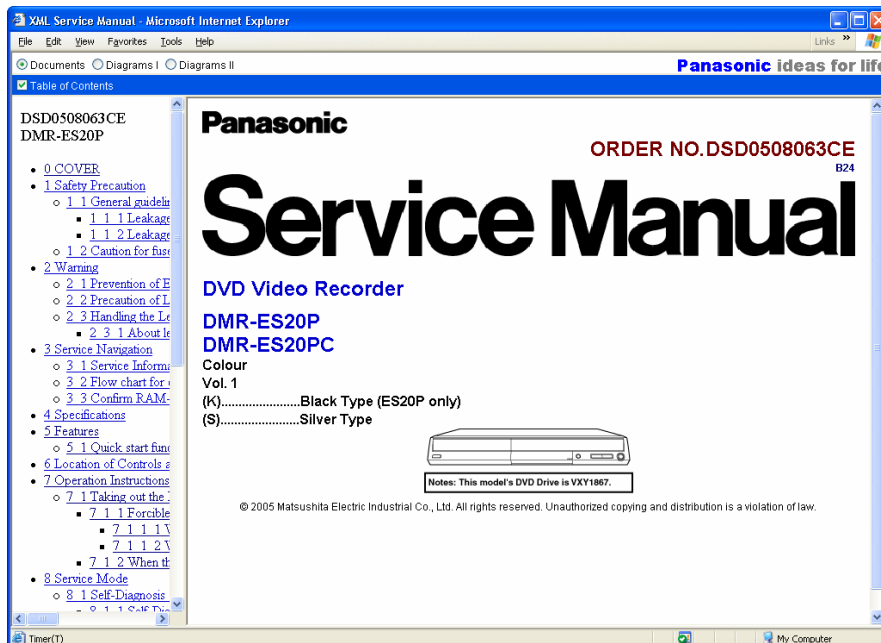
This section shows how to activate the online XML/SVG Service Manual.

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

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

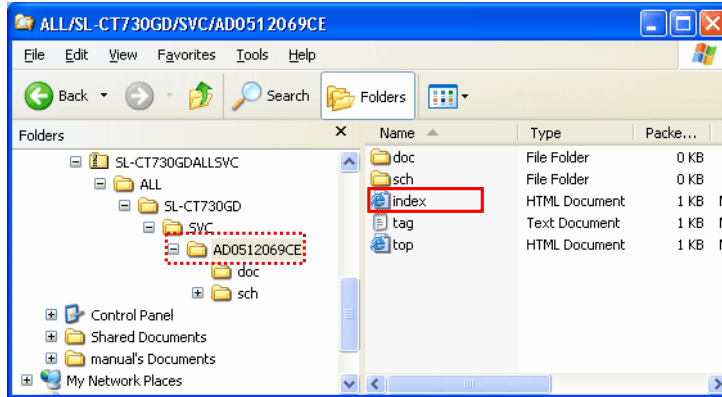


Clicking the  icon in the “Viewing” field opens the intended XML/SVG Service Manual.

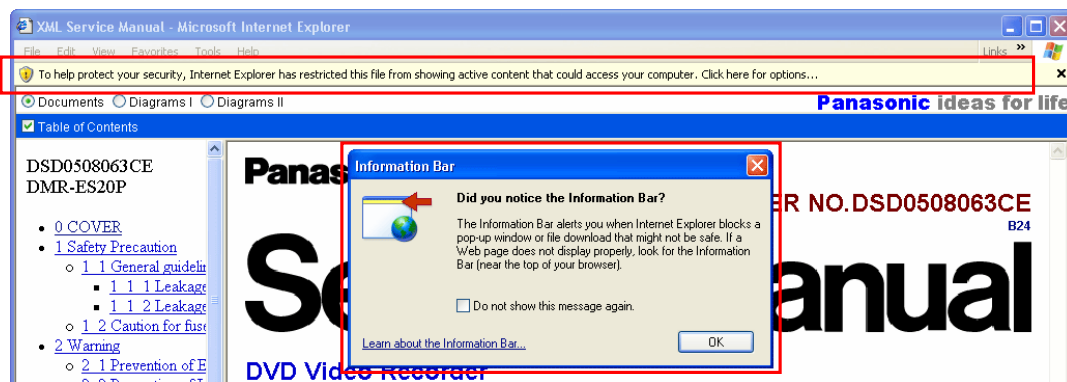


### 3.2. Activating XML/SVG Service Manual on the Computer

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.

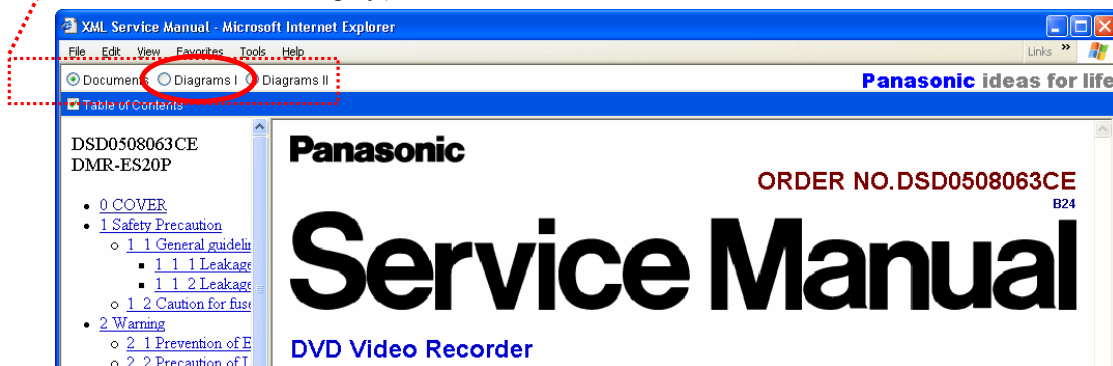
### 3.3. Displaying SVG Diagrams/Parts List

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

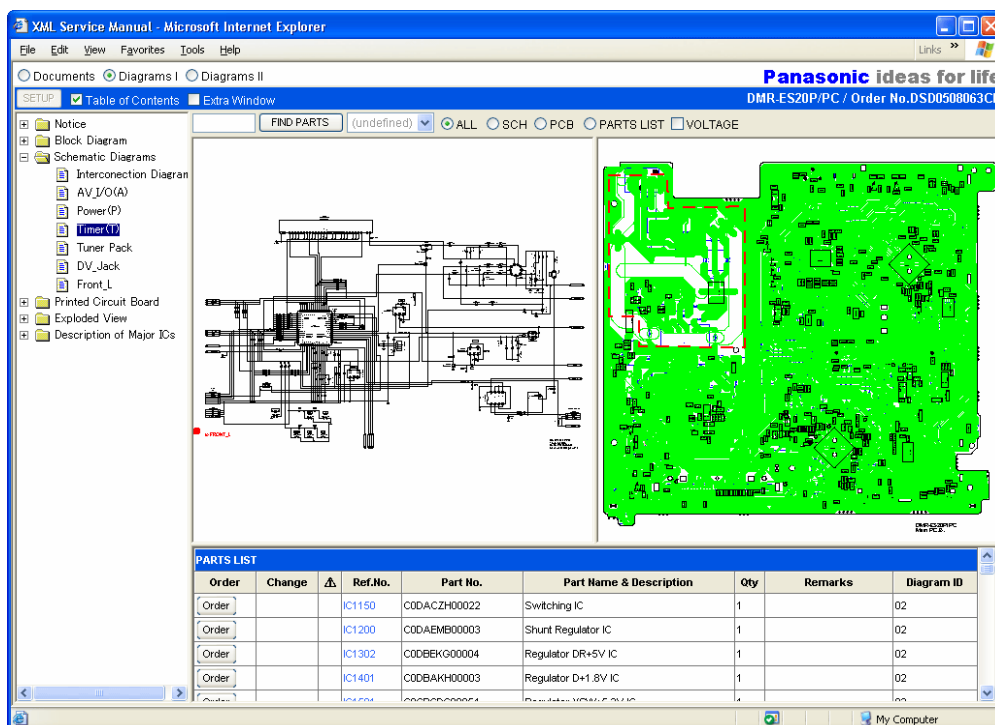
**Document:** Information on the contents is contained (some of the products include diagrams and Parts List).

**Diagrams I:** Information on **SVG diagrams, exploded view, Parts List**, etc., is contained.

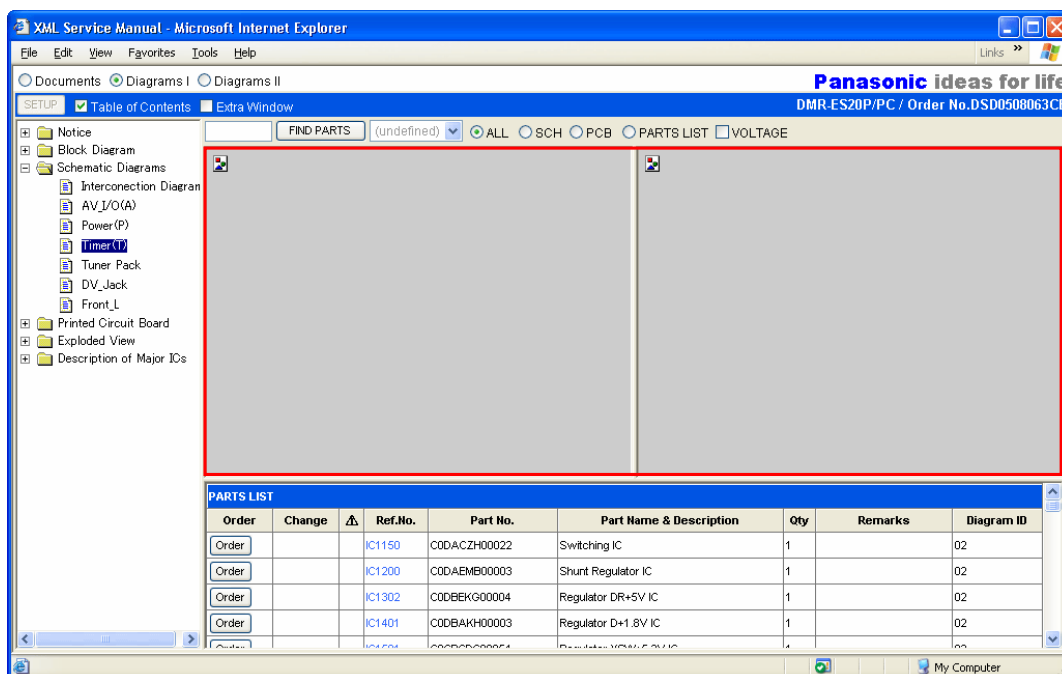
**Diagrams II:** Information on exploded view, Parts List, etc., will be included.  
(When no information is contained, that option will be grayed out in the display.)



1. Click the check button of “**Diagrams I**” 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 and printed circuit board. (Check whether the schematic diagrams, printed circuit board, and Parts List are displayed as in the following screen.)



■ 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

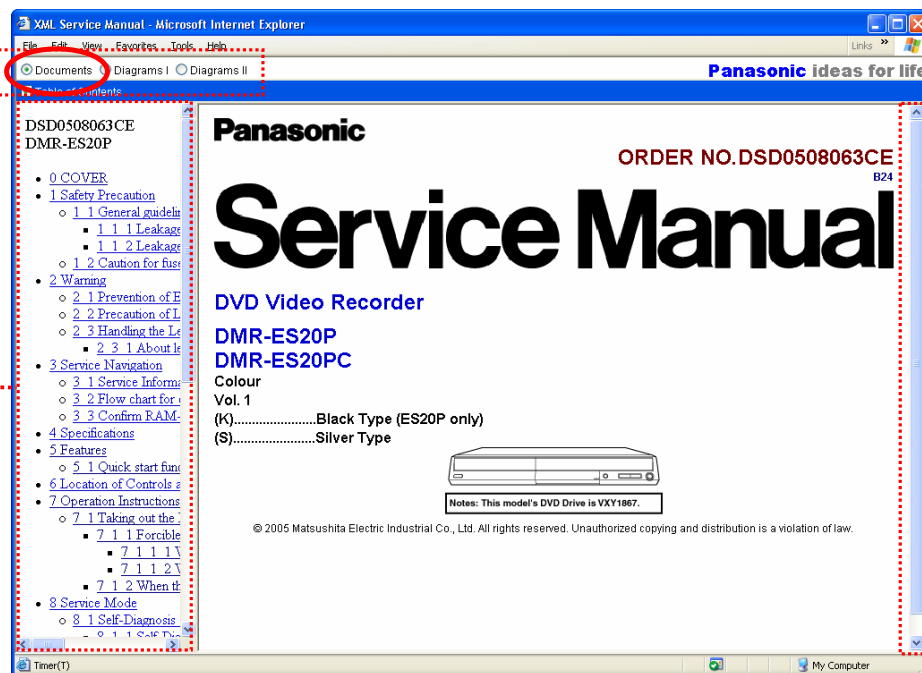
### 4.1. Display Screen Handling for the Content

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

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

**Diagrams I:** Contains information on SVG diagrams, exploded view, Parts List, etc.

**Diagrams II:** 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.

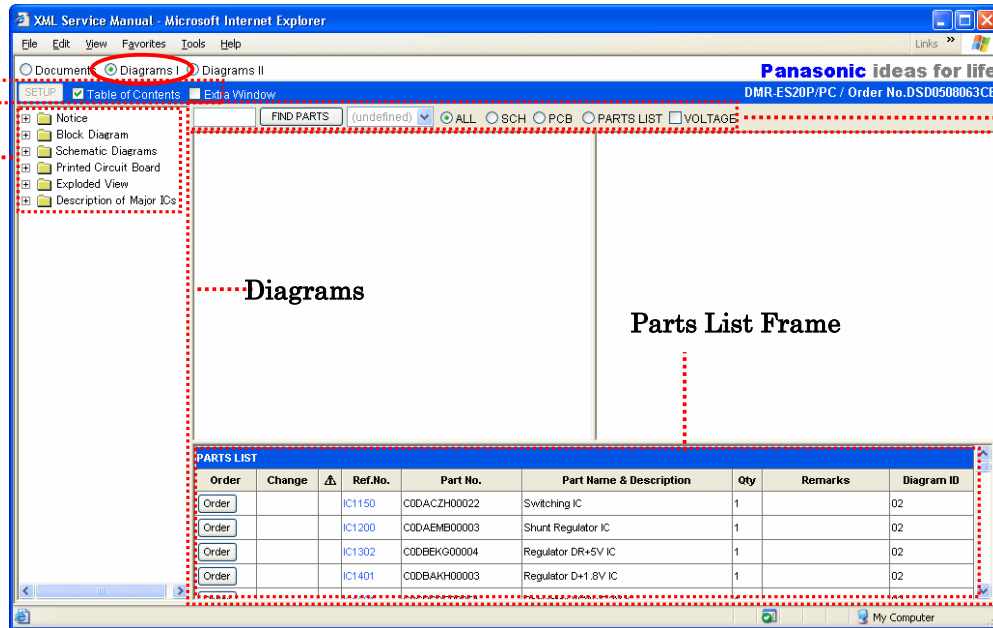
**Scroll Bar:** In this manual, each section is in a separate file. It is possible to move up and down with the scroll bar within a section.

## 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.



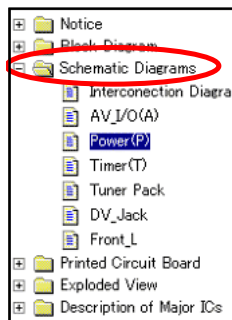
**Table of Contents:** When clicking on a “folder” icon or folder name, the items contained therein will be displayed. (Click again to close.)

Clicking an item displays related diagrams in the diagrams frame.

← *Example of Tree Index Display*

- Clicking “Schematic Diagrams” opens the items in the Schematic Diagrams folder.

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.

**ALL:** This displays three screens: schematic diagrams, printed circuit board, and Parts List (when Schematic Diagrams is selected in the Table of Contents).

**SCH:** Only schematic diagrams are displayed in the diagrams frame.

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



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

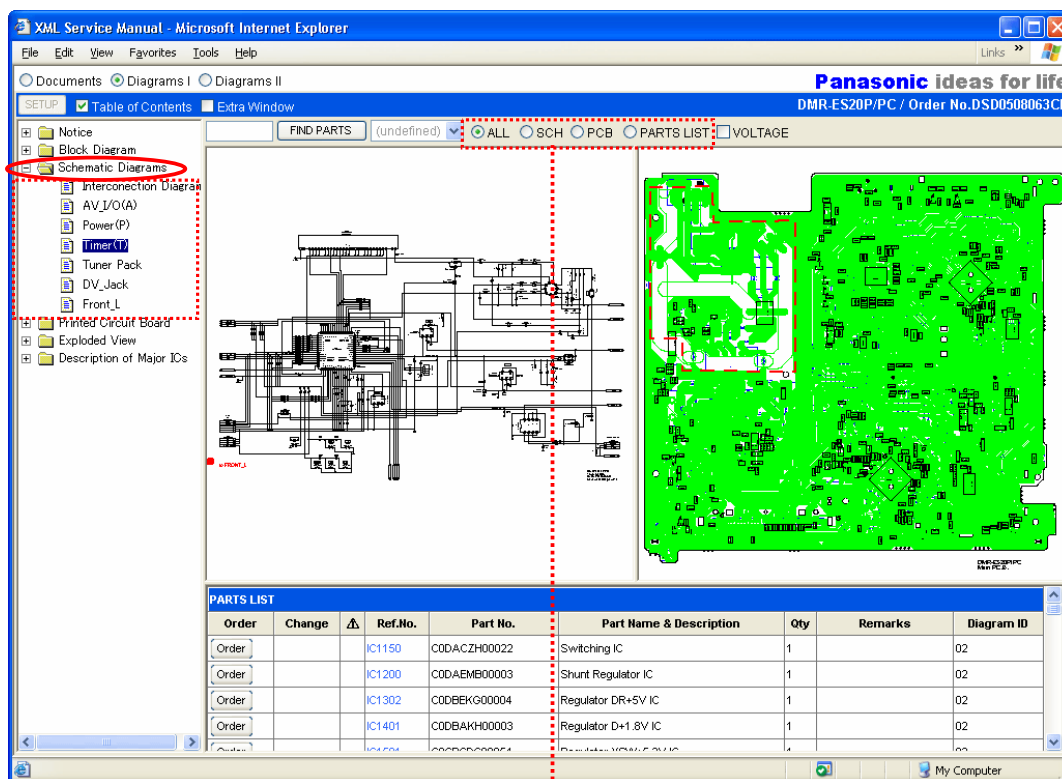
**VOLTAGE:** When the Parts List is displayed, voltage is also displayed by dividing the Parts List frame.

Voltage can be set up separately as display/undisplay.

## 4.3. Displaying a Diagram

### 4.3.1. Displaying Schematic Diagrams

Clicking the “Schematic Diagrams” folder in the tree index and clicking the name of the schematic diagram displayed beneath it will respectively display schematic diagrams on the left side of the diagrams frame and printed circuit board associated with that schematic diagram on the right side of the diagrams frame.



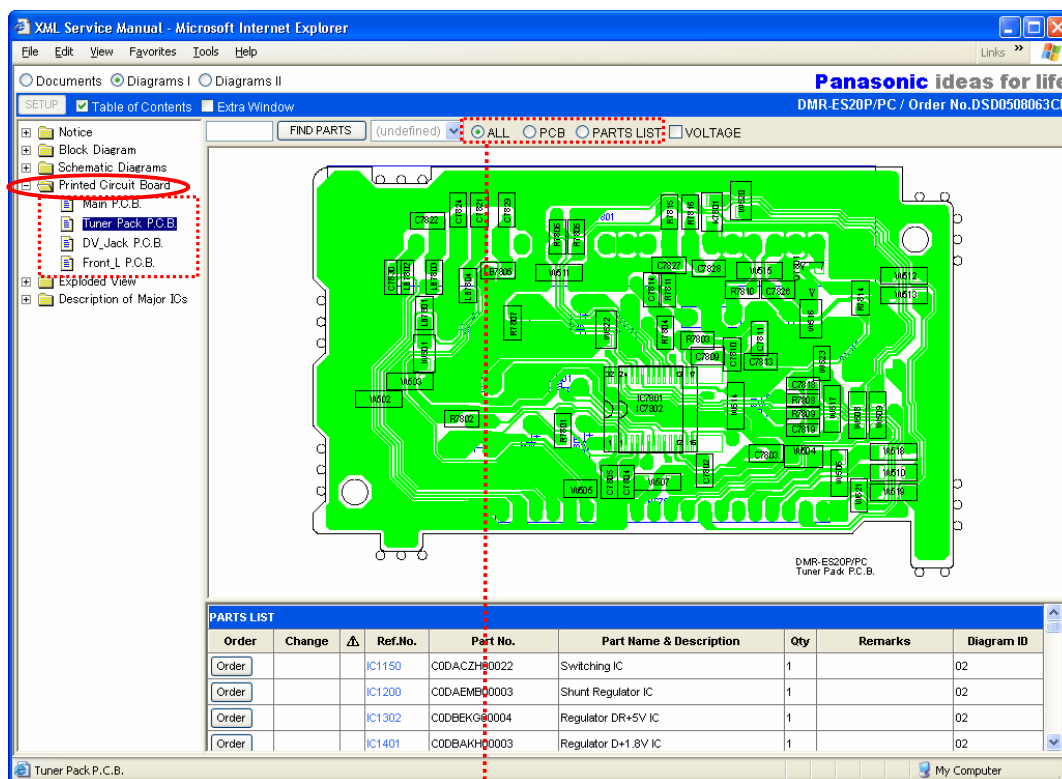
■ **Diagram Display Switch:** Select (check) one of the following:

- To display schematic diagrams only ..... *SCH*
- To display printed circuit board only ..... *PCB*
- To display Parts List only ..... *PARTS LIST*
- To return to the original three-screen display of schematic diagram, printed circuit board, and Parts List ..... *ALL*

### 4.3.2. Displaying Printed Circuit Board

Clicking the “Printed Circuit Board” folder in the tree index and clicking the name of the printed circuit board displayed beneath it will display the printed circuit board in the diagrams frame.

\* The left side of the diagrams frame (schematic diagrams) will be undisplayed automatically.



■ **Diagram Display Switch:** Select one of the following.

- To display schematic diagrams only ..... *SCH*
- To display Parts List only ..... *PARTS LIST*
- To return to the original two-screen display of schematic diagrams and Parts List ..... *ALL*

When selecting options other than “SCH” in the tree index, schematic diagrams will not be displayed.

To display schematic diagrams, select “SCH” in the tree index and select the intended diagram.

### 4.3.3. 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.

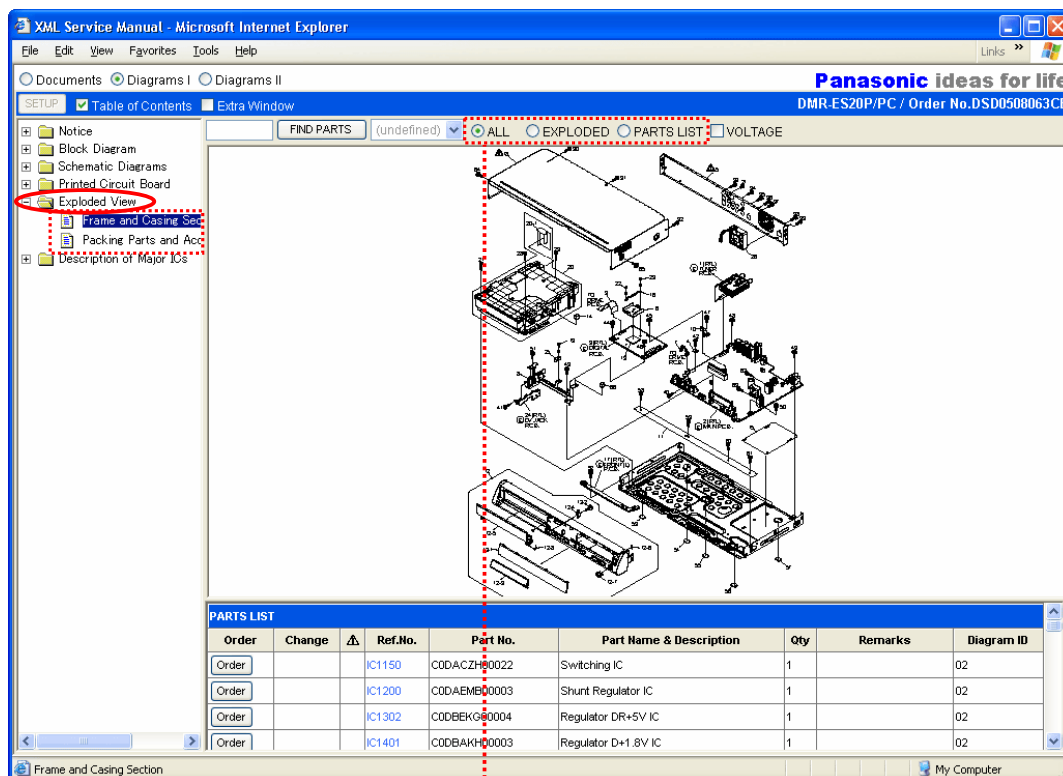
The screenshot shows a web browser window titled 'XML Service Manual - Microsoft Internet Explorer'. The left sidebar contains a tree view with the following items: Documents, Diagrams, SETUP, Table of Contents, Notice, Block Diagram (selected), Power Supply Block Diagram, Analog Video Block Diagram, Analog Audio Block Diagram, Analog Timer Block Diagram, Schematic Diagrams, Printed Circuit Board, Exploded View, and Description of Major ICs. The main content area displays a detailed block diagram of a circuit, showing various components like ICs, resistors, and capacitors connected by lines. Below the diagram is a table with the following columns: Order, Part No., Part Name & Description, Qty, Remarks, and Diagram ID. The table contains four rows of data.

Order	Part No.	Part Name & Description	Qty	Remarks	Diagram ID
Order	IC1150	C0DACZH00022 Switching IC	1		02
Order	IC1200	C0DAEMB00003 Shunt Regulator IC	1		02
Order	IC1302	C0DBEKG00004 Regulator DR+5V IC	1		02
Order	IC1401	C0DBAKH00003 Regulator D+1.8V IC	1		02

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

#### 4.3.4. 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:

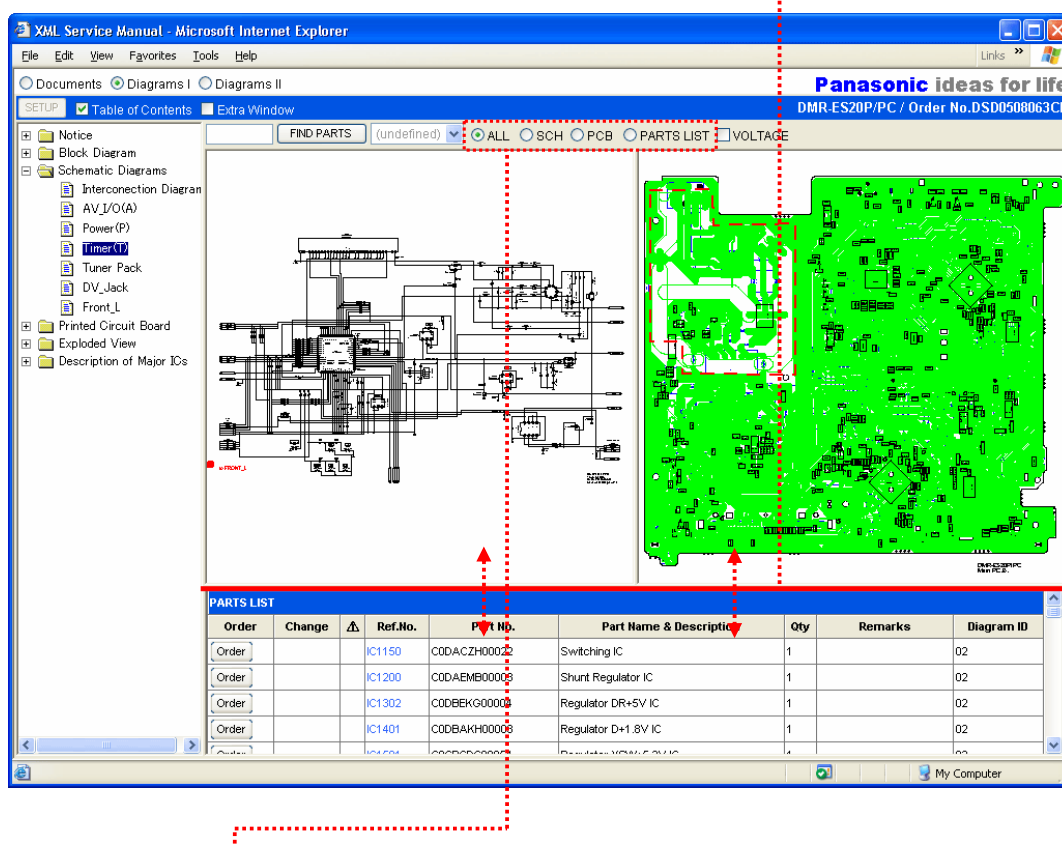
- To display exploded view only ..... *EXPLODED*
- To display Parts List only ..... *PARTS LIST*
- To return to the original two-screen display of exploded view and Parts List *ALL*

### 4.3.5. 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 only ..... *PARTS LIST*
- To return to the original screen display of Exploded View and Parts List..... *ALL*

**Panasonic ideas for life**  
DM61.E5261-PC / Order No.D5D00606/3C1

Find PARTS:   ☐ ALL ☐ EXPLODED ☒ PARTS LIST ☐ VOLTAGE

Order	Change	Ref. No.	Part No.	Part Name & Description	Qty	Remarks	Diagram No.
Order		IC1130	C06AC2450022	Switching IC	1		02
Order		IC1200	C06AH4000003	Shunt Regulator IC	1		02
Order		IC1302	C06BAH000004	Regulator DVI-SV IC	1		02
Order		IC1403	C06BAH000003	Regulator DVI-SV IC	1		02
Order		IC1504	C06BCD000004	Regulator VSHV-SV IC	1		02
Order		IC1502	C06BCD000002	Regulator VSHV-SV IC	1		02
Order		IC1503	C06BCD000008	JC Regulator VSHV IC	1		02
Order		IC1504	C06BCD0000048	Regulator DVI-SV IC	1		02
Order		IC1505	C06BCD0000048	Regulator DVI-SV IC	1		02
Order		IC1506	C1A000001379	Video Processor IC	1		02
Order		IC1507	C1A000001320	Audio Processor IC	1		02
Order		IC1508	C06BAH000013	Regulator ALV-SV IC	1		02
Order		IC1509	C06BCD000027	Regulator ALV-SV IC	1		02
Order		IC1510	B01A2000016	Digital Audio Out Jack	1		02
Order		IC1511	C06BAH000005	IC	1		02
Order		IC1512	M0101C01ABC3	Tuner IC	1		02
Order		IC1513	C06BAH000004	Power IC	1		02
Order		IC1514	C06BAH000010	Pin-LLI Out IC	1		02
Order		IC1515	C06BAH000048	Fan Motor Drive IC	1		02
Order		IC1516	B01BA000027	TRANSISTOR	1		02
Order		IC1517	B01ACF000003	TRANSISTOR	1		02

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

#### 4.3.6. Displaying Voltage

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

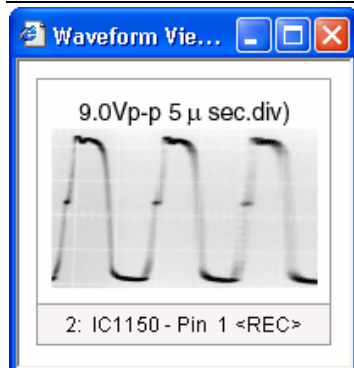
To return to the original state (simultaneous display of the diagrams frame and Parts List), deselect **VOLTAGE** in the display switch menu.

The screenshot shows the XML Service Manual interface in Microsoft Internet Explorer. The top menu bar includes File, Edit, View, Favorites, Tools, and Help. Below the menu bar, there are tabs for Documents, Diagrams I, and Diagrams II. The main content area is divided into three sections: a left sidebar with a tree view of service manual contents (Notice, Block Diagram, Schematic Diagrams, etc.), a central area displaying a schematic diagram and a PCB layout, and a bottom section containing a Parts List and a Voltage Table. The display switch menu at the top right includes options for ALL, SCH, PCB, PARTS LIST, and VOLTAGE. The VOLTAGE option is checked, and a red dotted line points to it from the text above. The Voltage Table at the bottom right shows data for various components, with a red dotted line pointing to the REC column header.

Ref No.	Pin	REC	PB	EE
IC1150	1	<u>2.5</u>	2.5	2.5
IC1150	2	<u>1.6</u>	1.6	1.6
IC1150	3	0	0	0
IC1150	4	13.7	13.7	13.7
IC1150	5	-760	-760	-720
IC1200	1	4.5	4.5	4.5

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

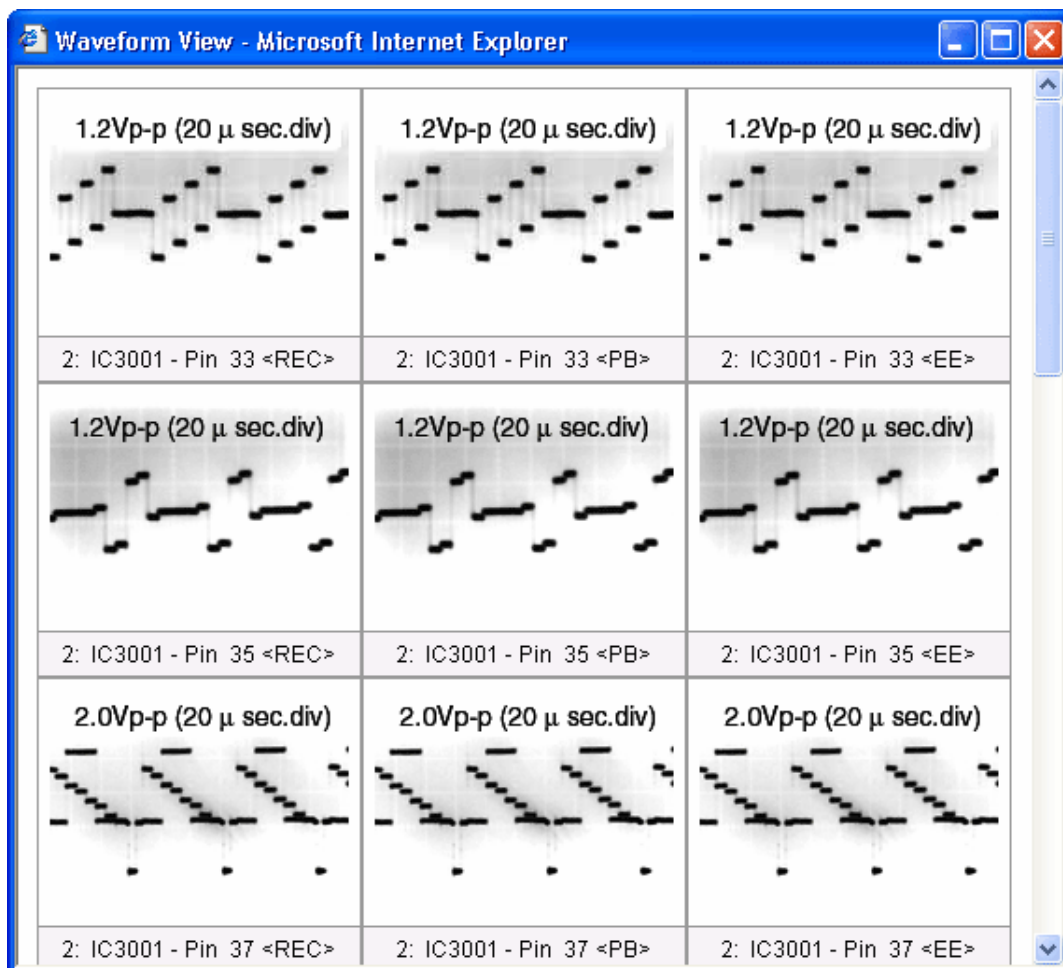
#### 4.3.7. Displaying Waveform View



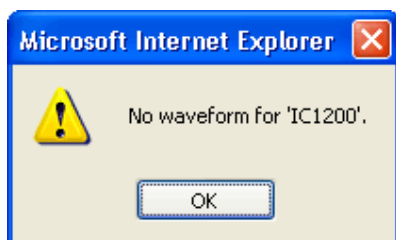
If there is a waveform view other than voltage corresponding to each reference number and port number when voltage is displayed, that voltage will be displayed with a link (in underlined blue text).

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.



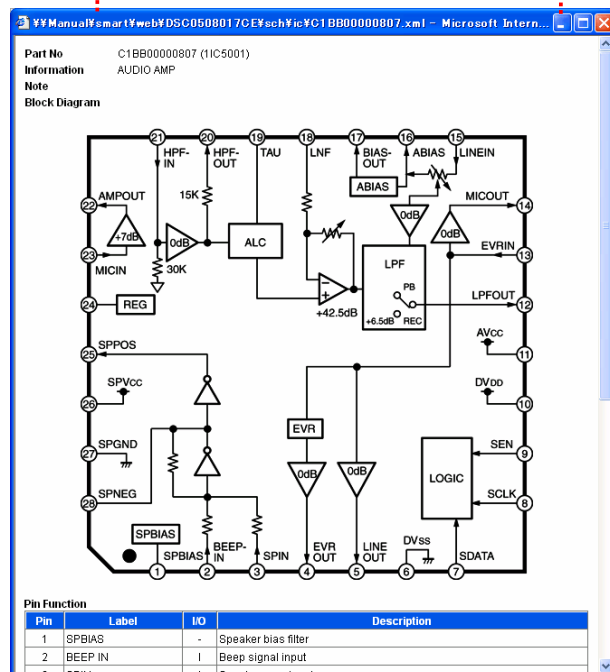
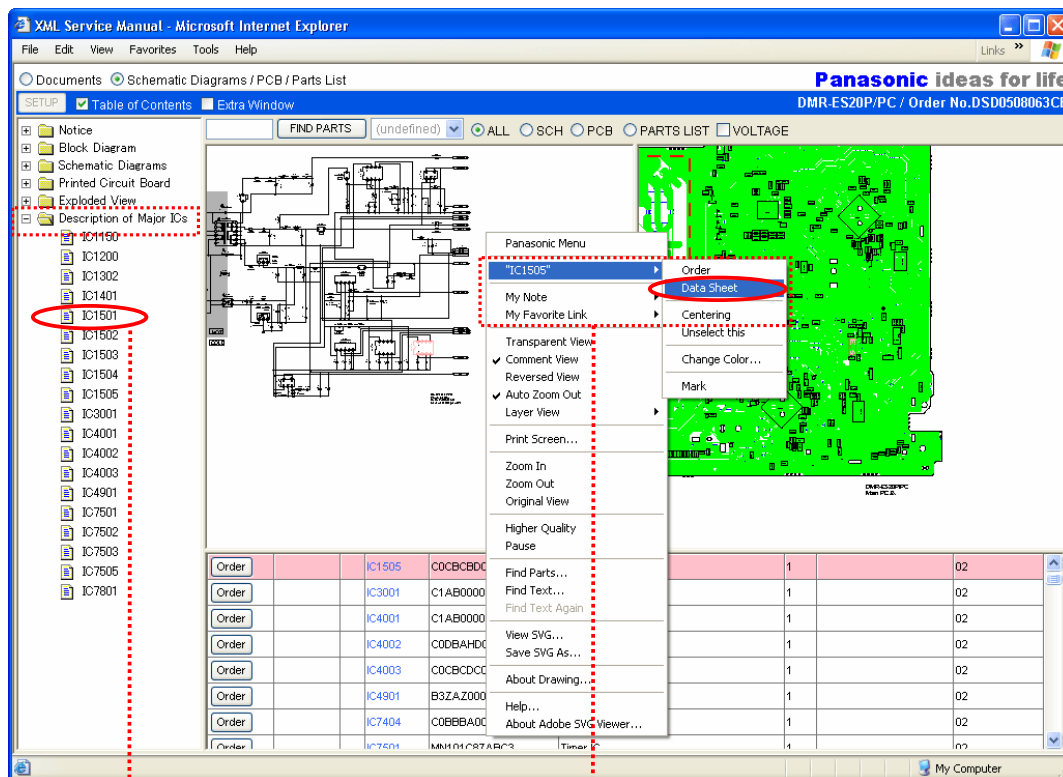
Note: If there is no waveform view for the part for which the reference number was clicked, a message will appear.





## 4.3.8. 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”.



Note:  
Pin Function criteria may not be available in some cases.

## 4.4. Find Parts

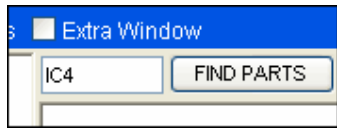
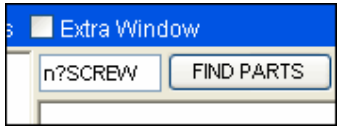
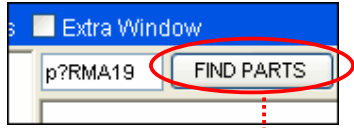
There are two ways to find parts: using the FIND PARTS window at the top of diagram display and using the search function of IE.

### 4.4.1. Find Parts in the FIND PARTS Window

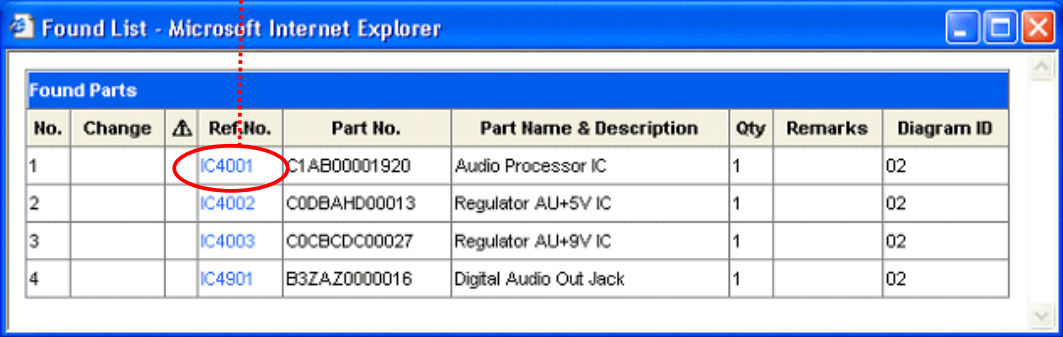
Parts are searched in the Parts List, and the search results will be displayed in a list (not case sensitive).

Click the reference number to view from the list display of the search results in order to display a diagram containing the relevant part.

1. There are three methods for searching using the FIND PARTS window as below. Input with one of these methods.

Search Method	Description
<b>Diagram Number:</b> 	Input the reference number in the text box. <b>Note:</b> The input characters should be alphanumeric.
<b>Parts Name:</b> 	Input the parts name after n? in the text box. <b>Note:</b> The input for "n?" should be alphanumeric.
<b>Parts Number:</b> 	Input the parts number after p? in the text box. <b>Note:</b> The input characters should be alphanumeric.

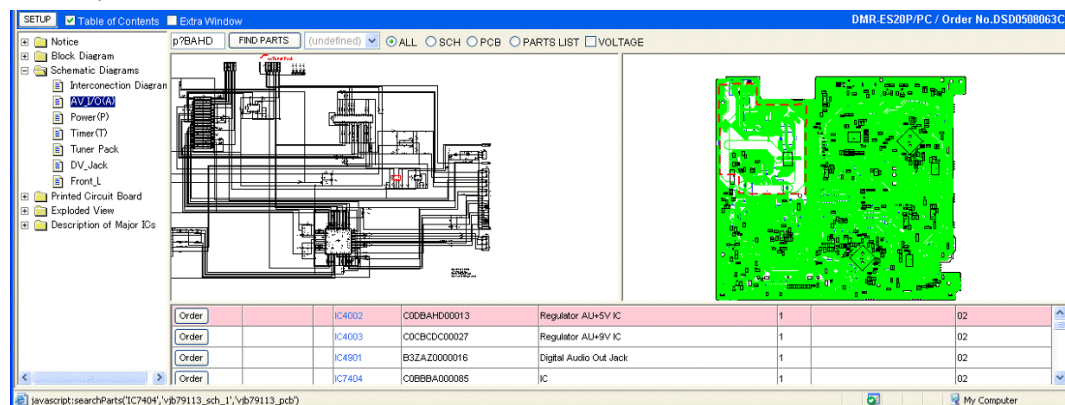
2. Click the "FIND PARTS" button.
3. Once a list of search results for the parts with strings is displayed, a related diagram with the relevant part will be displayed by clicking the reference number to view from the list display of the search results.



No.	Change	Ref.No.	Part No.	Part Name & Description	Qty	Remarks	Diagram ID
1		IC4001	C1AB00001920	Audio Processor IC	1		02
2		IC4002	C0DBAHD00013	Regulator AU+5V IC	1		02
3		IC4003	C0CBCDC00027	Regulator AU+9V IC	1		02
4		IC4901	B3ZAZ0000016	Digital Audio Out Jack	1		02

(A screen of the search results is shown on the next page.)

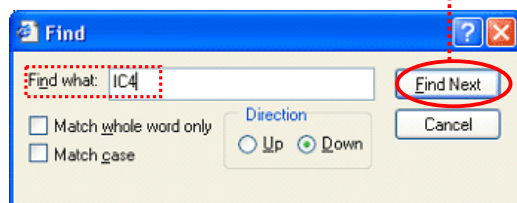
## Screen of the search results



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

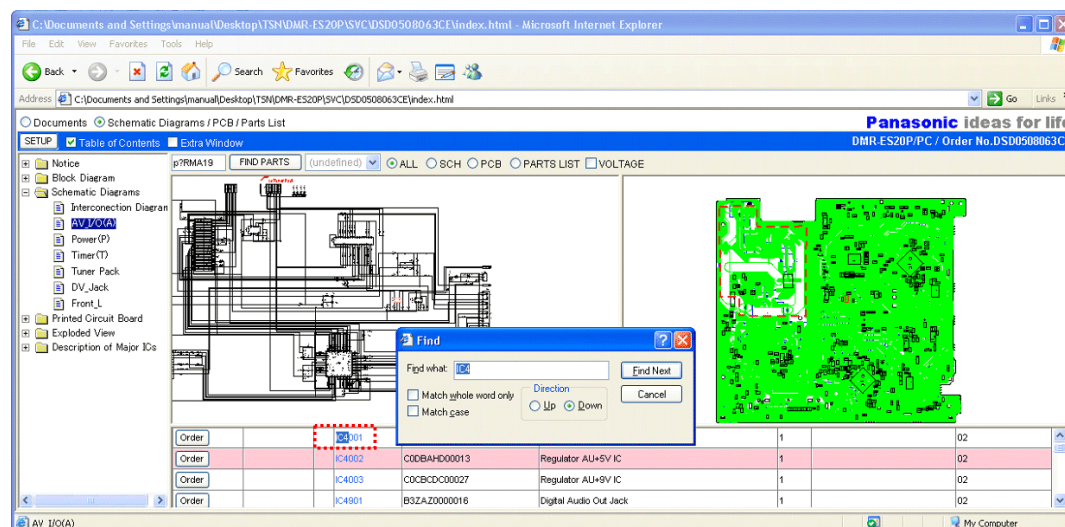
The letter search function of IE (Internet Explorer) can also be used to search parts.

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.



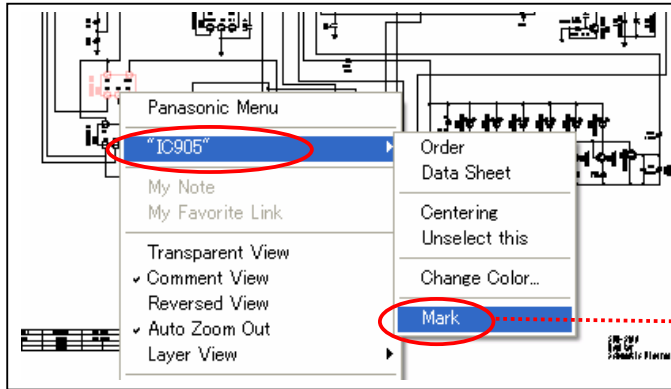
4. The search results will be displayed as in the following screen.

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



#### 4.5. Mark

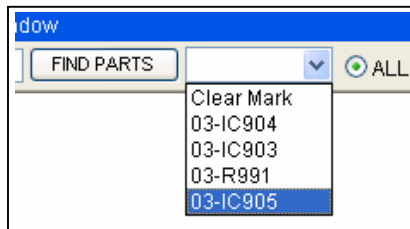
A part to select in the diagram is randomly marked with the “Mark” command, which is a submenu of the part for selection, in the SVG context menu (right-click).



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.

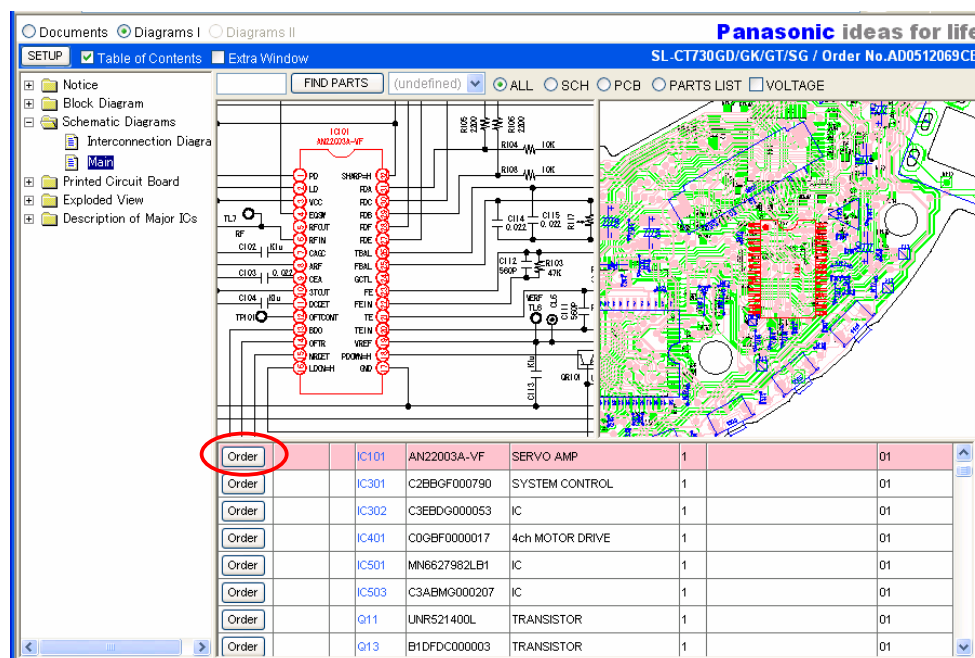
## 4.6. Parts Order

### 4.6.1. 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.



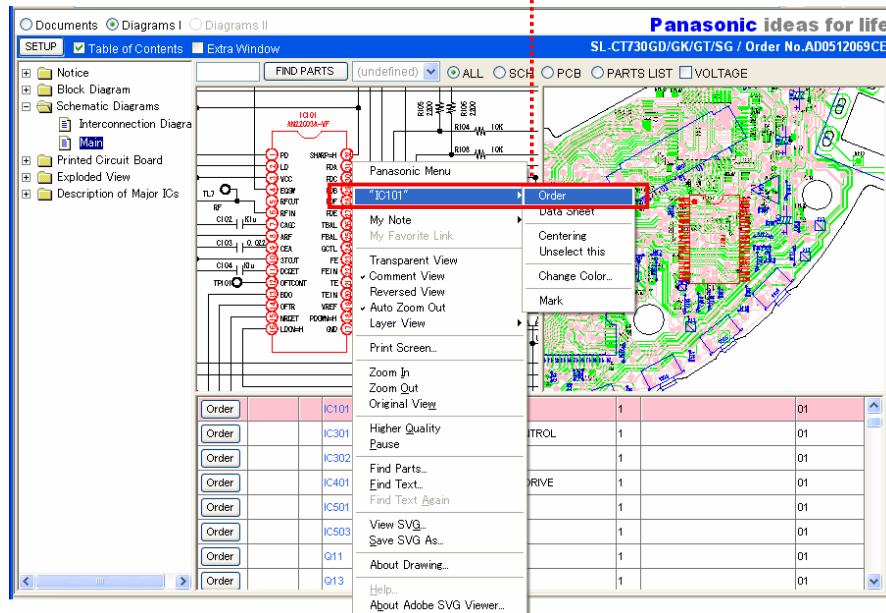
2. The Parts Basket window will open.



## ■ 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.

#### 4.6.2. 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.

No.	Ref.No.	Part No.	Part Name & Description	Qty	Remarks	Action
1	IC1	C0DBAFG00014	DC-DC CONVERTER	1		Delete
2	IC61	C0DBAFE00027	IC	1		Delete
3	IC101	AN22003A-VF	SERVO AMP	1		Delete

Copy to Clipboard Print Screen Clear **Close** ↑ top

##### ■ 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.

No.	Ref.No.	Part No.	Part Name & Description	Qty	Remarks	Action
1	IC1	C0DBAFG00014	DC-DC CONVERTER	1		Delete
2	IC61	C0DBAFE00027	IC	1		Delete
3	IC101	AN22003A-VF	SERVO AMP	1		Delete

Copy to Clipboard Print Screen Clear Close ↑ top

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

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

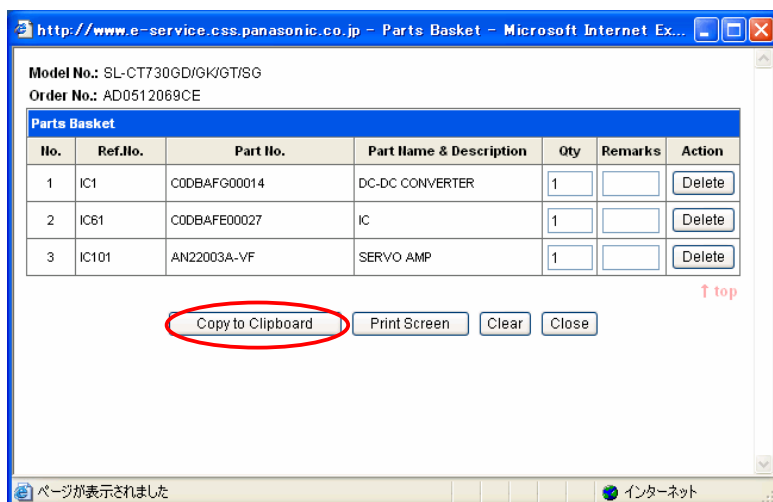
##### ■ Printing the contents of Parts Basket

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.

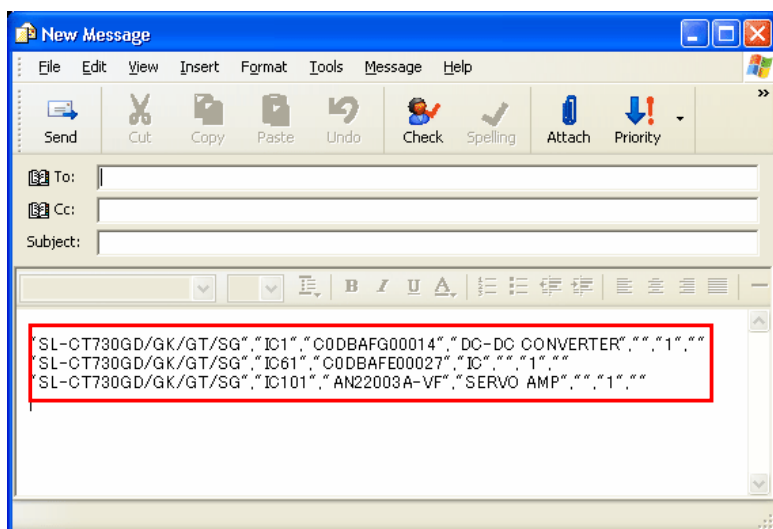
### 4.6.3. Parts Order by E-mail

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.

### 4.6.4. 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.



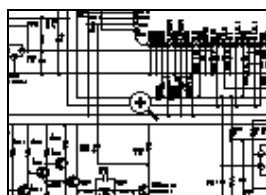
## 5. Basic Operation of SVG Diagram

### 5.1. Zoom Display

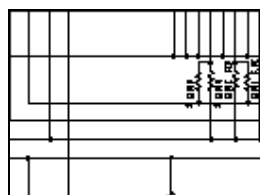
#### ■ Zoom In

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*



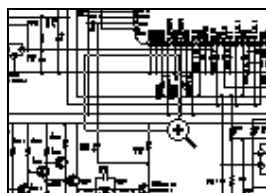
*Zoom In*



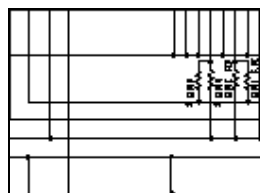
#### ■ Specifying the region to enlarge

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*



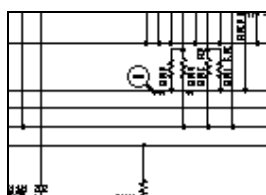
*Zoom In*



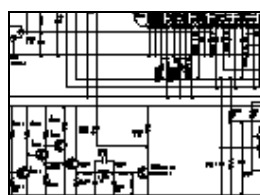
#### ■ Zoom Out

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.

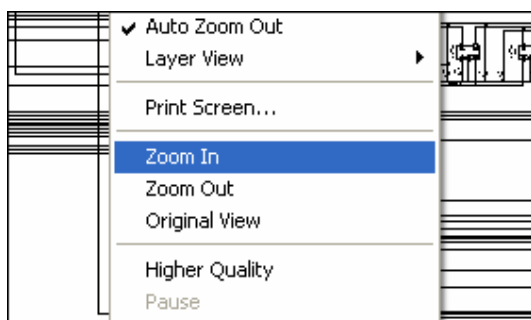
*Specifying the point to zoom out*



*Zoom Out*

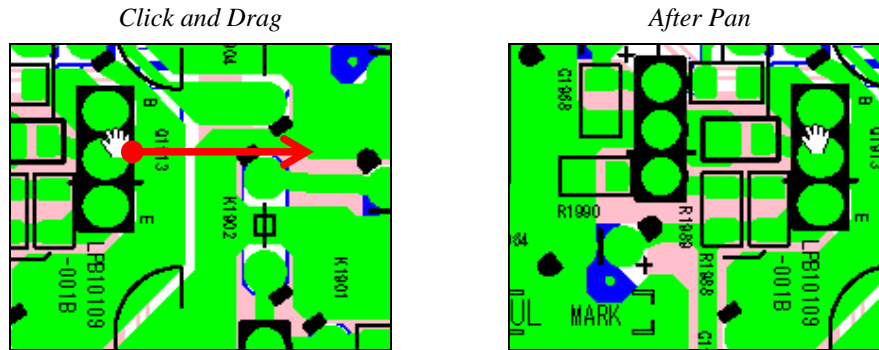


Another way to zoom in and out is to use the *Zoom In* or *Zoom Out* command in the SVG context menu (right-click menu).



## 5.2. Move (Pan)

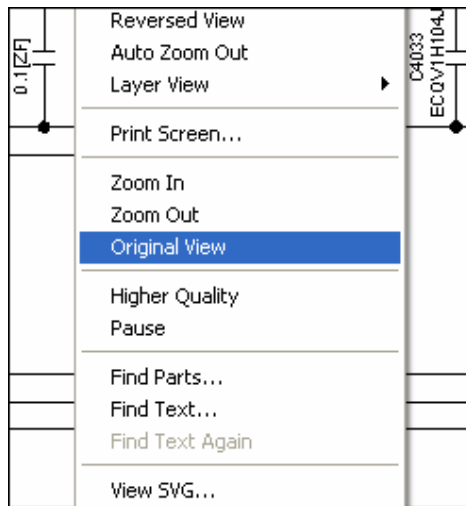
Pressing the *Alt* key on the keyboard with the mouse pointer over the SVG diagram changes the shape of the mouse cursor to that shown in the picture below (hand). Click and drag the mouse in the direction to display.



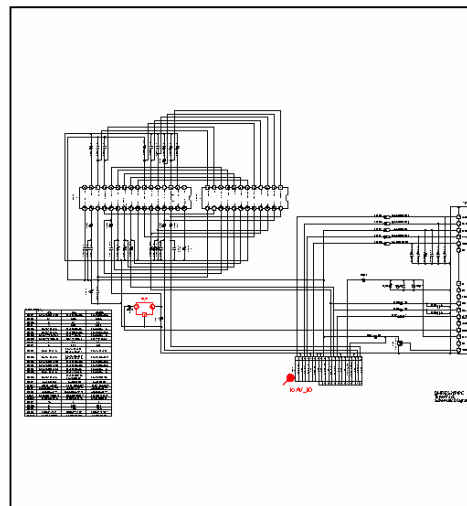
## 5.3. Original View

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*





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

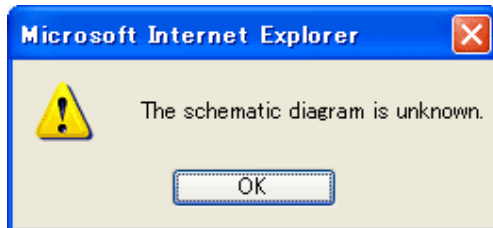
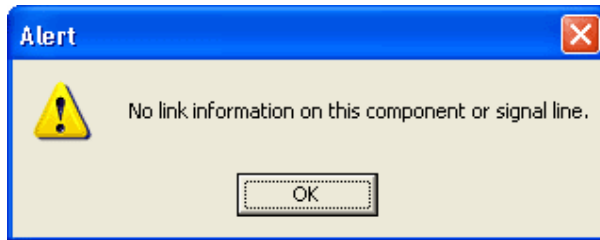
Order	Part Number	Description	Attribute	Value
Order	Q4002	2SD0601 AOL	TRANSISTOR	1
Order	Q4003	2SD0601 AOL	TRANSISTOR	1
Order	Q7502	B1BAK000001	TRANSISTOR	1
Order	Q7503	2SD0601 AOL	TRANSISTOR	1
Order	Q7504	B1ABM000004	TRANSISTOR	1
Order	QR4001	UNRS21100L	TRANSISTOR	1
Order	QR4002	UNRS21100L	TRANSISTOR	1
Order	QR4003	UNRS21100L	TRANSISTOR	1

Screen for the link display of a structure chart and Parts List with a reference number as a key

Order	Part Number	Description	Attribute	Value
Order	20	RFHNVXY1067	RAM DRIVE UNIT	1
Order	20-1	RMV0307	BARRIER	1
Order	21	XSN3-4FJ	SCREW	1
Order	22	VJF0036	NYLON RIVET	1
Order	23	VJF0036	NYLON RIVET	1
Order	24	VEP73132A	DV JACK P.C.B.	1
Order	25	RG00435-H	GASKET	1
Order	26	1 RF 2.1" X 1.0" 1000	F2M MOTOR	1

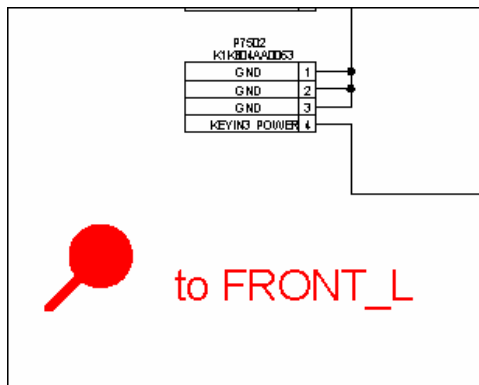
## Notes:

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.



## 6.2. Link Function Between Diagrams

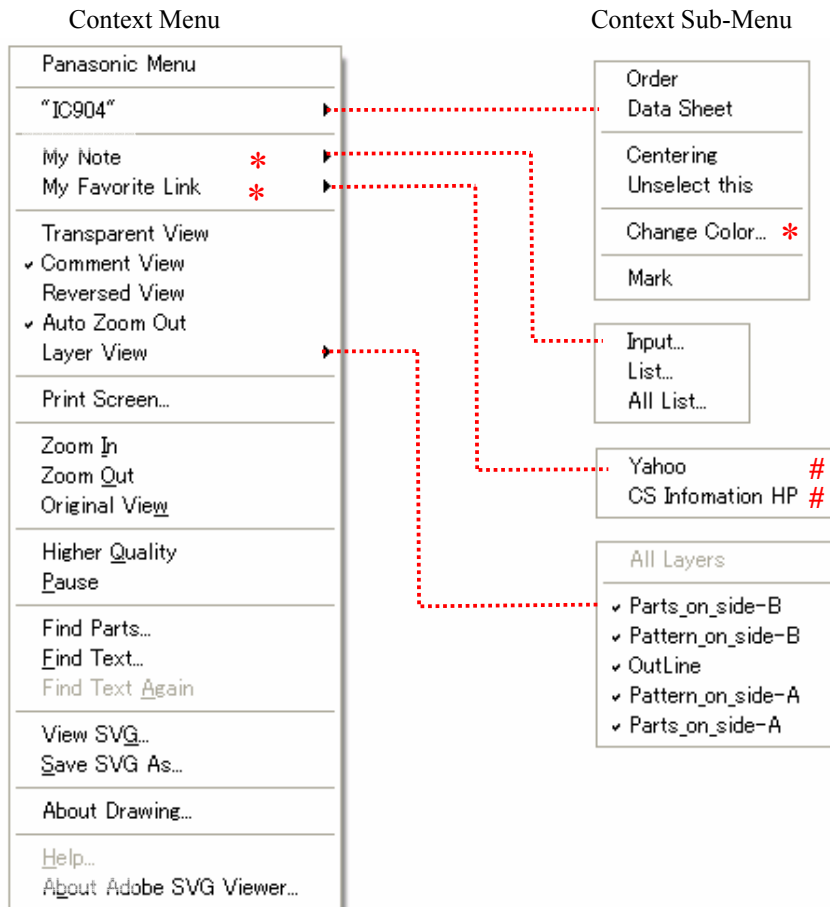
When there is a landmark (pin) such as in the picture below in the displayed diagram, click the landmark to display the diagram that has been preset for linkage.



## 7. SVG Context Menu

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.

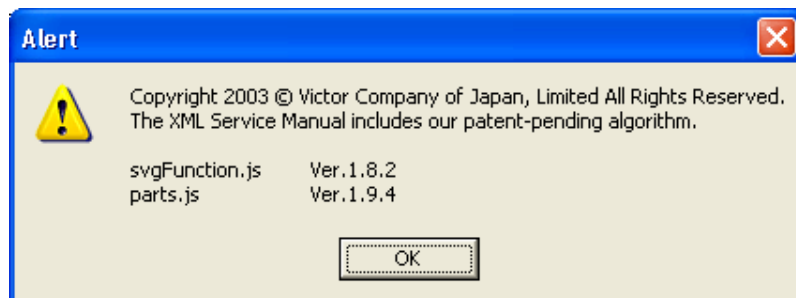


**Note:** The commands and options with an \* (asterisk), described later, cannot be used unless set up as an extension with the Setup Utility.

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

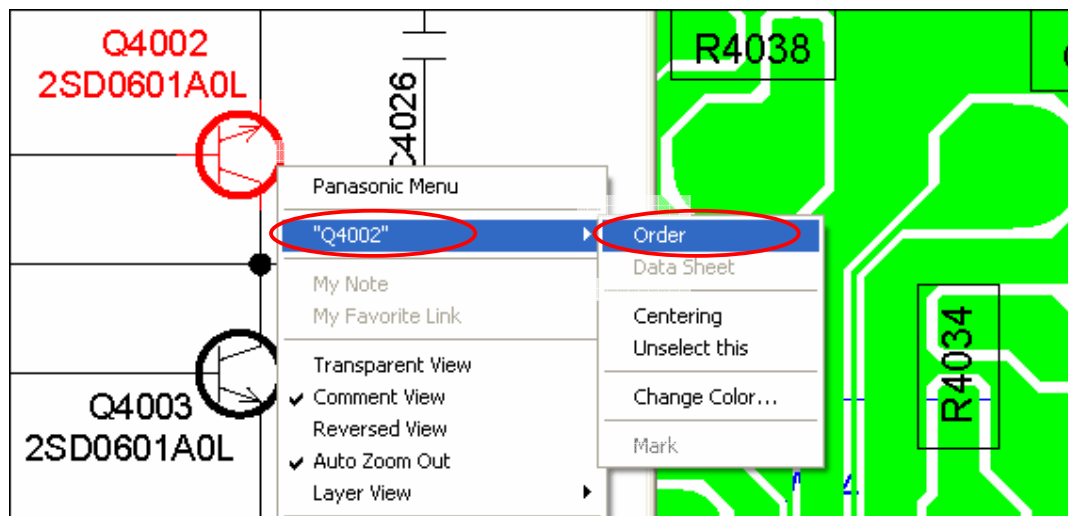


## 7.2. Selected Parts Menu

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.



## 7.2.3. 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.

## 7.2.4. 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.

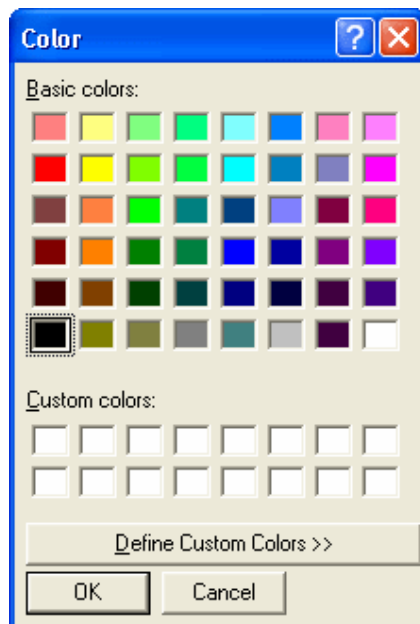
**Note:** If a selected graphic image is a signal line, etc., it may be displayed in the center of the frame incorrectly.

## 7.2.5. Deselection

A selected graphic image is deselected.

## 7.2.6. 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.](#)

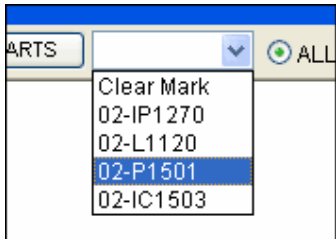
### 7.2.7. Mark

---

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.

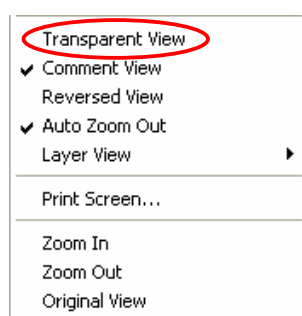
This function is described in [“My Note” in nthe section for Enhanced Function.](#)

## 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

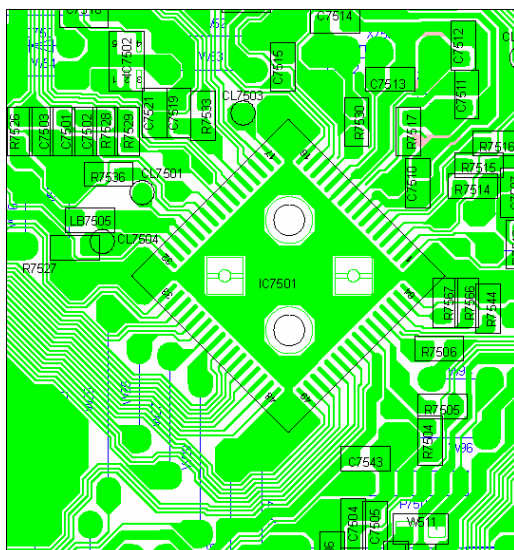


Transparent View can be switched on and off.

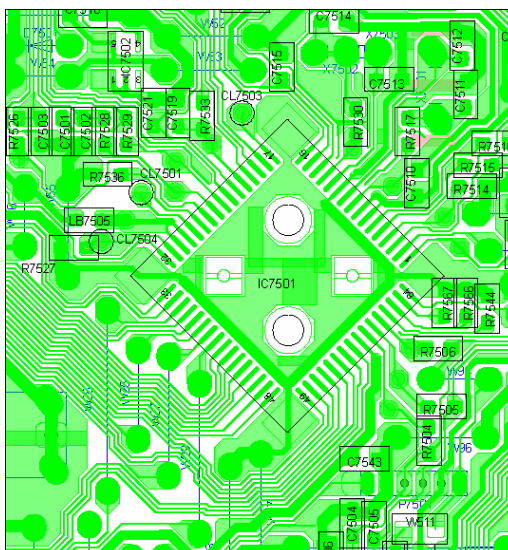
For a printed circuit board with the displayed diagram having a multi-layer structure, etc., the information on the back of the board can be viewed through by switching Transparent View on.

← In the context menu

*Transparent View is OFF*



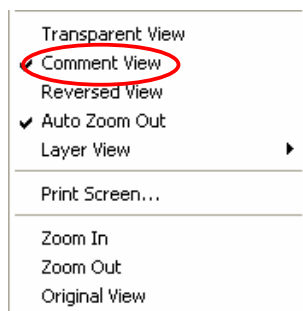
*Transparent View is ON*



\* Transparent View is OFF by default.

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

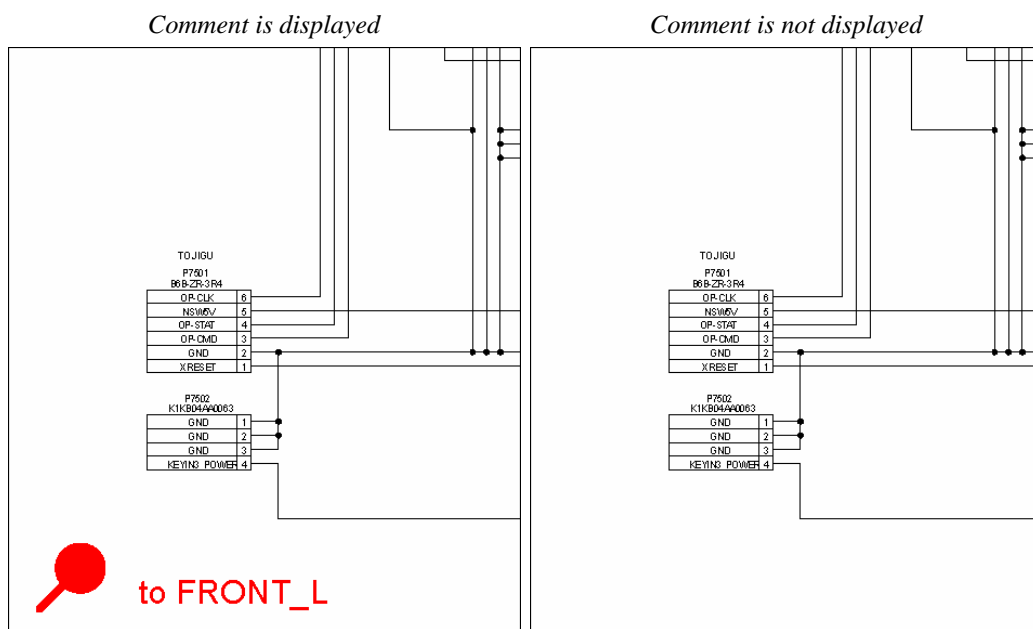
## 7.6. Comment View



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.

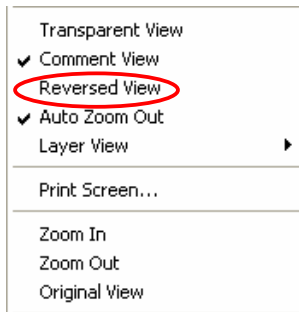
← In the context menu



\* A comment display mode is setup by default.

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

## 7.7. Reversed View

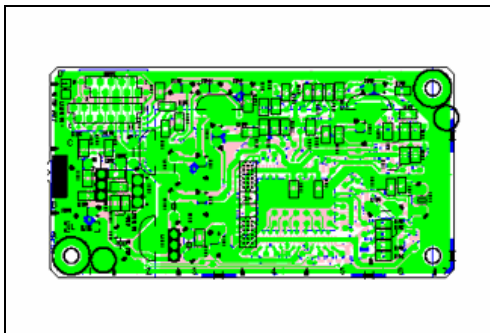


Reversed View can be switched on and off.

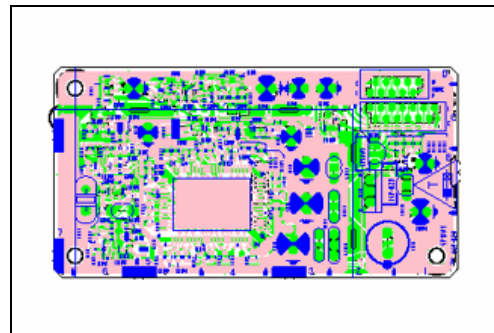
When the displayed diagram is a printed circuit board, the board can be inverted and viewed using Reversed View.

← In the context menu

*Reversed View is OFF*



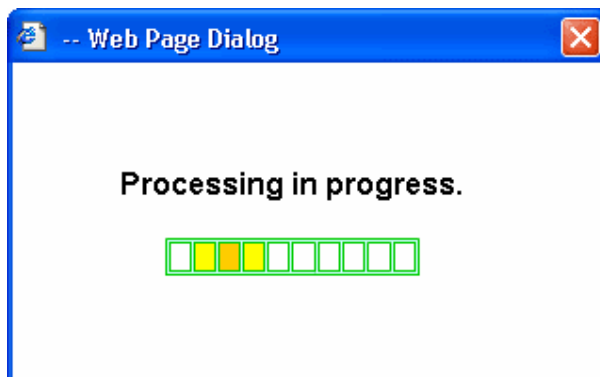
*Reversed View is ON*



\* Reversed View is set to OFF by default.

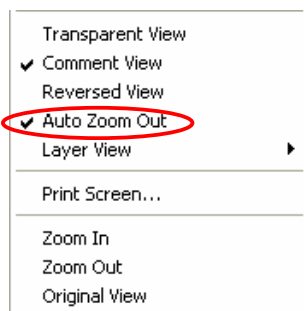
Notes:

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.



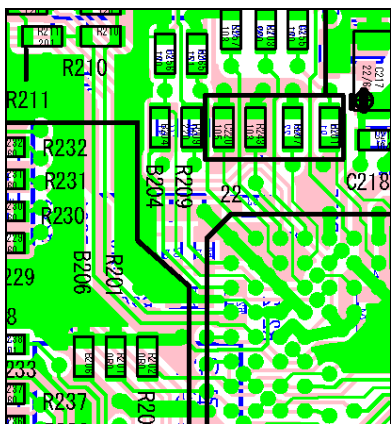
3. After the inversion process is completed, the message window above will automatically close, but when using a large printed circuit board, it may take a few seconds due to the SVG diagram process until the inverted surface is actually displayed.

## 7.8. Auto Zoom Out

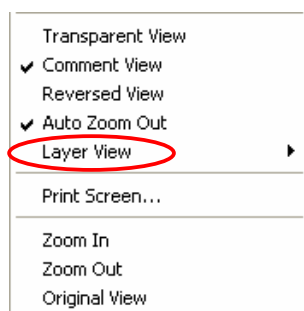


Normally, the relevant graphic image will automatically be displayed in the center in the diagrams frame with the three-point link function (linking from the others), display function of the Parts Find result and Centering commands, but if the displayed diagram is zoomed in with large magnification or 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*



## 7.9. Layer View

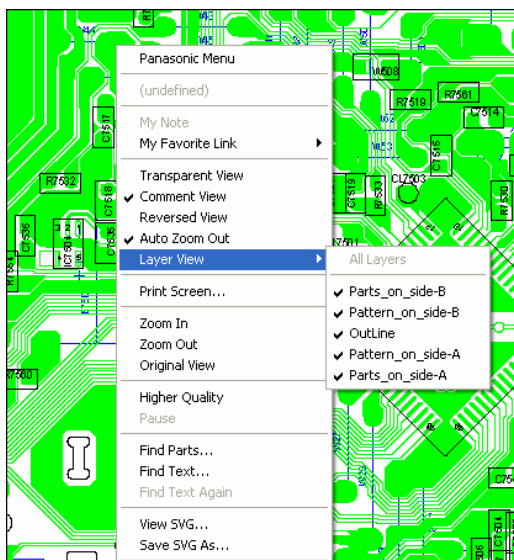


Layer can be switched to display.

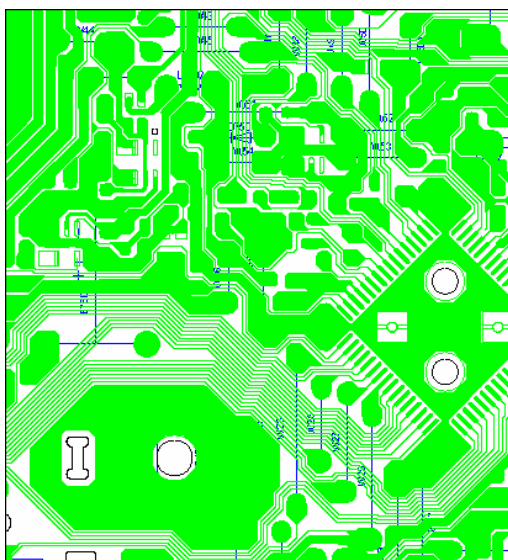
If the displayed diagram is a printed circuit board structured with multiple layers, display/undisplay will be set for arbitrary layers.

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 all layers*



*Undisplay of arbitrary layer*

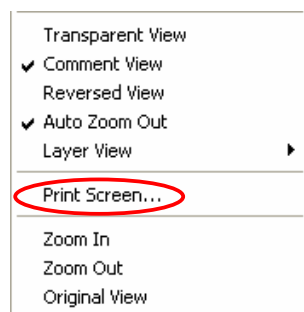


\* The all layer display is set to ON by default.

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. Zoom In

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

## 7.12. Zoom Out

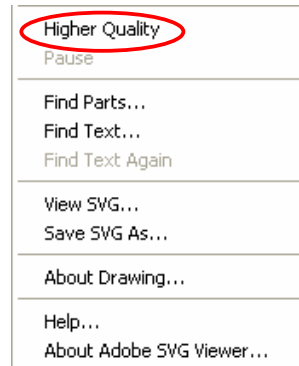
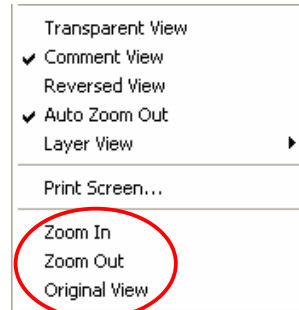
This reduces and displays the location to which the mouse pointer is pointing.

## 7.13. Original View

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

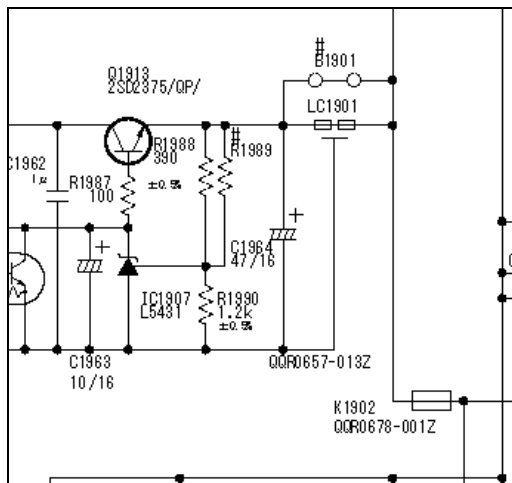
## 7.14. Higher Quality Display

This switches the display quality mode of an SVG diagram.

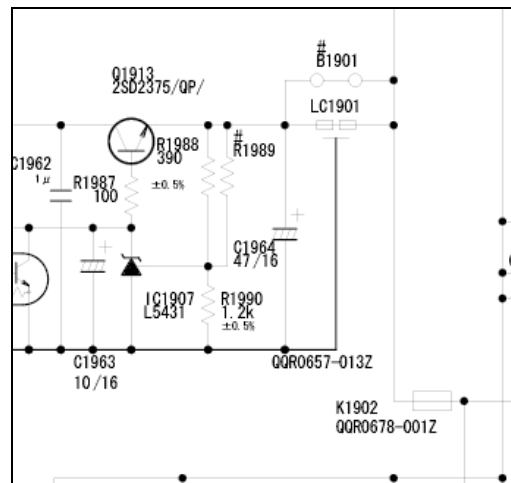


*In the context menu →*

*Lower quality mode*



*Higher quality mode*



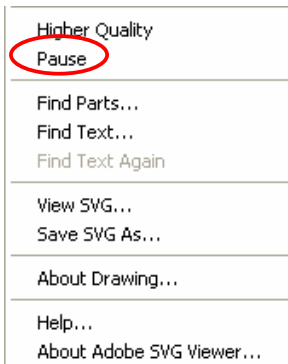
\* Higher Quality mode (lower quality mode) is set by default.

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



### 7.15. Pause

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



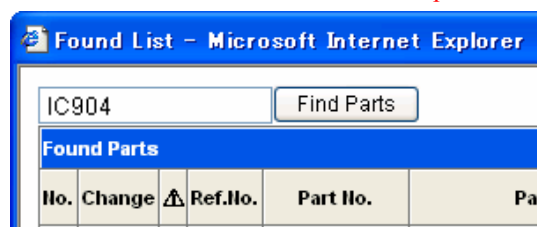
### 7.16. Find Parts

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 4.4 Fnd Parts”](#) for reserved words in the search method.

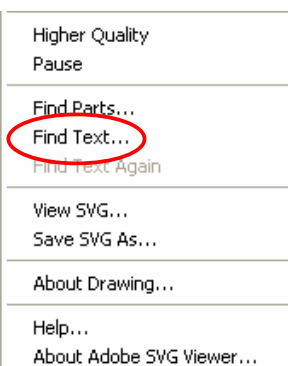
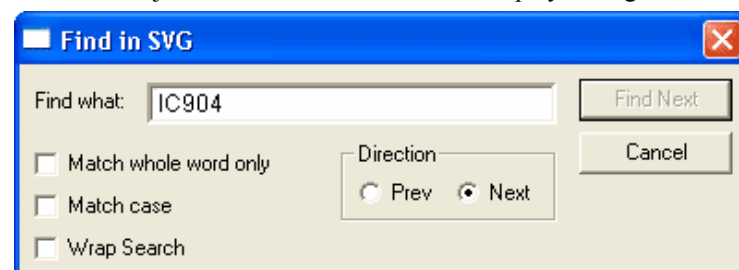
Note: Single-byte alphanumeric, two-byte Chinese characters, two-byte hiragana, and two-byte katakana are used for character input in the User Prompt.



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.

### 7.17. 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.



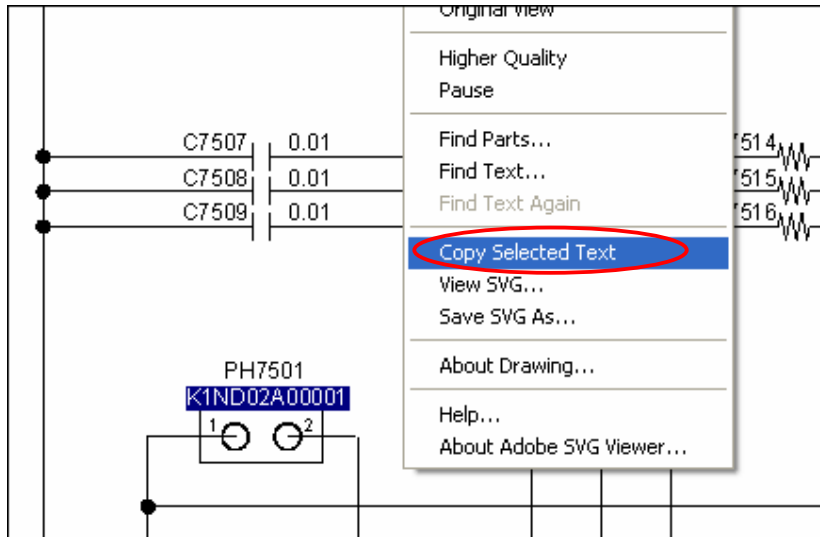
### 7.18. Find Text Again

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

### 7.19. Copy Selected Text

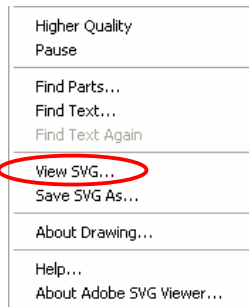
By right-clicking on arbitrary text in the displayed diagram after selecting it by clicking and dragging, the item “Copy Selected Text” will appear in the context menu.

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.

## 7.20. View SVG

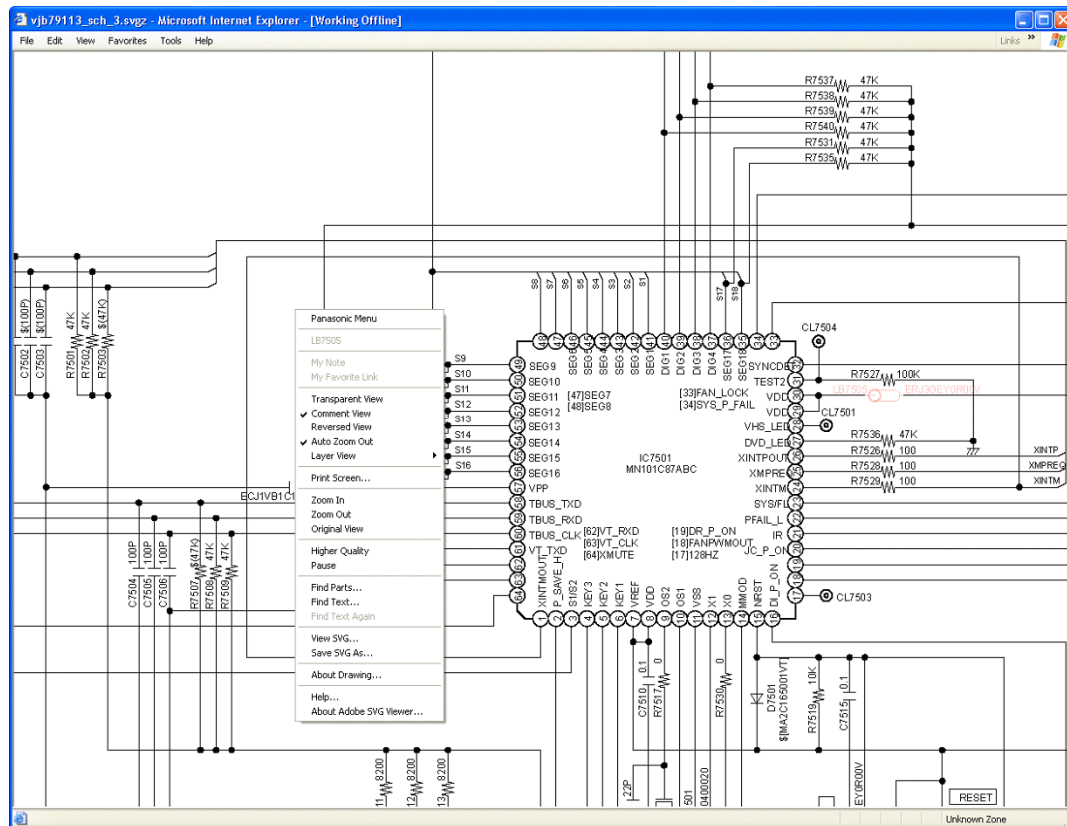


A displayed diagram can be opened in another window. This is used to view different diagrams at the same time.

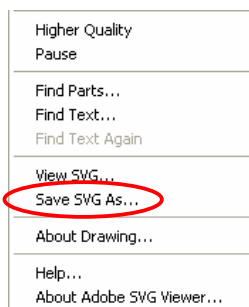
Additionally, various operations in the SVG context menu are available for an SVG diagram opened in another window as well as basic operations such as selecting a graphic image, zoom in and out and pan (move) (except for a certain functions).

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

Parts List.

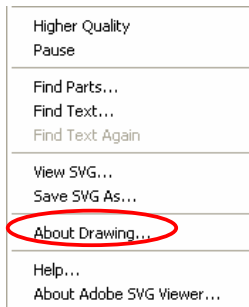


## 7.21. Save SVG As

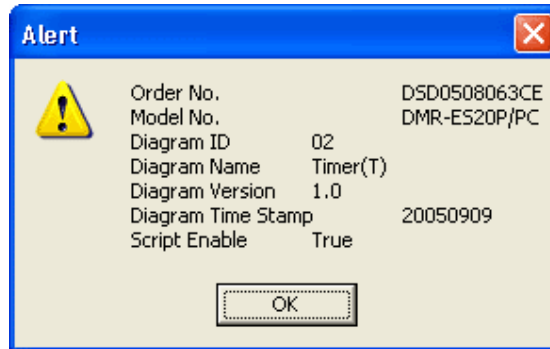


A displayed diagram can be saved to a local file.

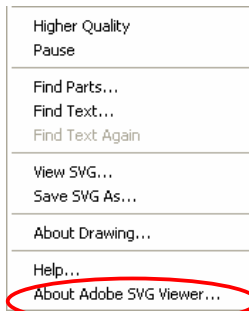
## 7.22. About Diagram



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.



## 7.23. About Adobe SVG Viewer



The version information for Adobe SVG Viewer is displayed.



## 8. Enhanced Function

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>Invalid</b> (Default setting)	<b>Valid</b> <a href="#">Required to set up</a>	<b>Invalid</b> (Default setting)	<b>Valid</b> <a href="#">Required to set up</a>
Basic Function			OK	OK	OK	OK
Extended Function	My Note	Required	OK	OK	NG	OK
	My Favorite Extra Window & My Favorite Link	Required	OK	OK	OK	OK
	Parts List Update	Required	This will be available in the future.			
	Parts Order to Sever	Required	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*

My Note	
Title	No Power
Model No.	AB-CD1234
Order No.	AB0512001CE
Diagram ID	<a href="#">01</a>
Ref No.	<a href="#">CP1901</a>
Note	The breaking of a wire. It was happened a few times in the past.
Note Class	Importance
Registrar	<a href="#">Tomxxxx</a>
Date	2005/12/15
Attach File	
Link URL	

### 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\My Note ([Refer to Section 9.2.3](#)).

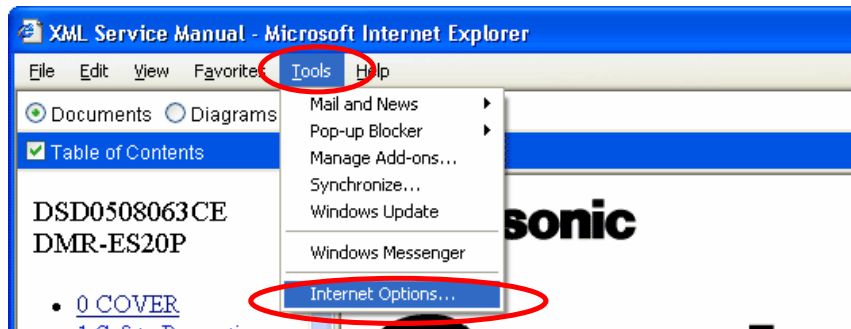
#### ■ Setting up Setup Utility

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.)

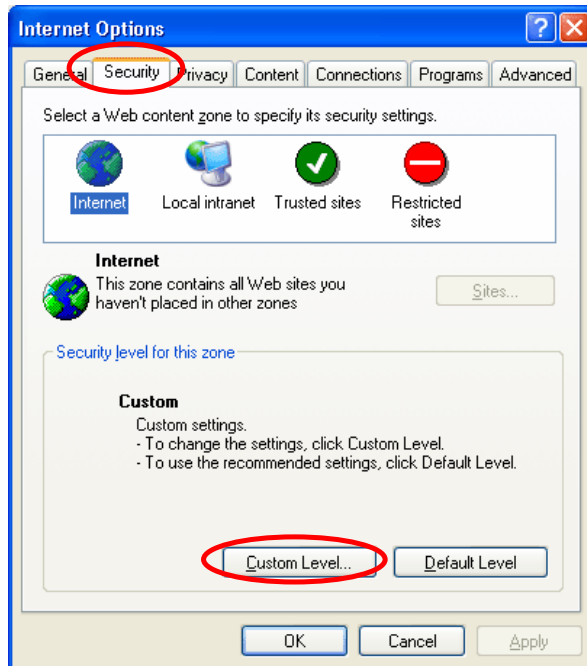
Path Setting	
My Note Folder Path	C:\PanaXML\MyNote
Update Folder Path or URL	

## ■ Security settings for IE

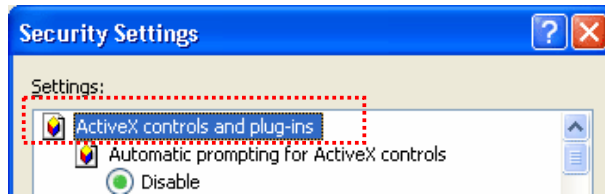
1. Click “Tools” on the menu bar of IE to open the “Internet Options” screen.



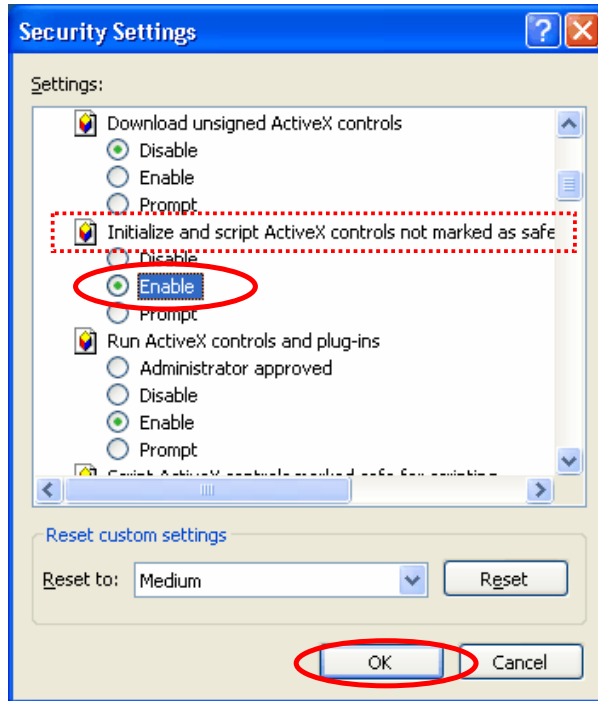
2. Click the “Security” tag in the “Internet Options” screen to open the “Security Settings” screen with the “Custom Level”.



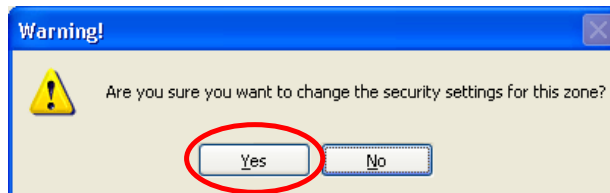
3. In “ActiveX controls and plug-ins”,



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



4. Click *OK* in the “Security settings” screen, then click *Yes* in the next “Warning” screen, and after the *Warning* screen is closed, click *OK* in the “Internet Options” screen.

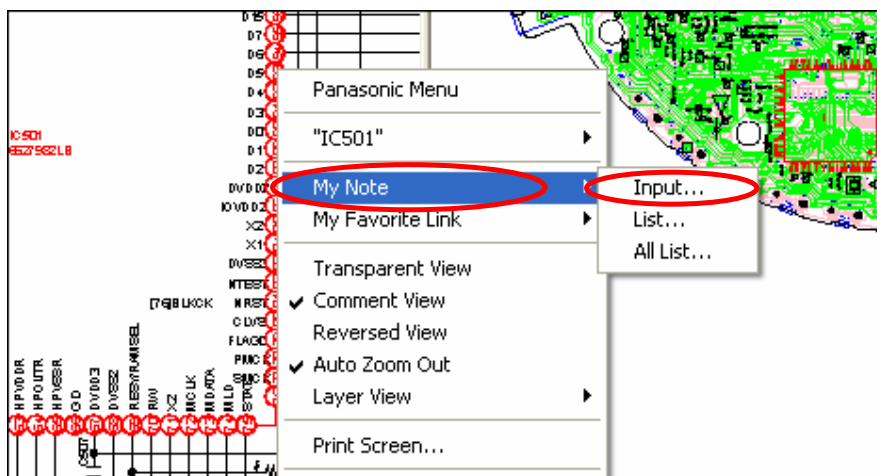


(The security settings are completed.)



### 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.

The image shows a web form titled 'My Note - Microsoft Internet Explorer'. The form has the following fields: Title, Model No. (SL-CT730GD/GK/GT/SG), Order No. (AD0512069CE), Diagram ID (01), Ref No., Note (a large text area), Note Class (a dropdown menu with 'Note' selected and circled in red), Registrar (xxxxx yyyy), Registrar e-mail, Date (2005/12/15), Attach File (with a 'Browse...' button), and Link URL. At the bottom are 'Save' and 'Cancel' buttons. A red dotted arrow points from the 'Note Class' dropdown to a detailed view of the dropdown menu options.

Note Class	Note
Registrar	Note
Registrar e-mail	Importance
	Info. from Factory
	Other

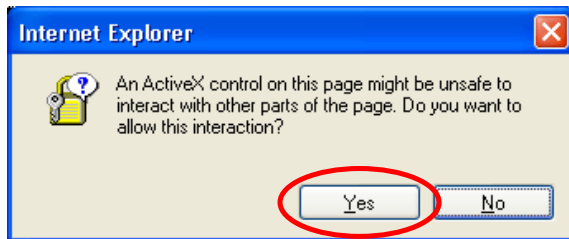
A screen appears with comment information such as model number, order number, diagram ID, reference number, and date, which are automatically input. If no graphic image is selected in an SVG diagram, the “Diagram Number” field of the comment input information is blank.

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.

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

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

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

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

My Note	
Title	No Power
Model No.	AB-CD1234
Order No.	AB0512001CE
Diagram ID	<a href="#">01</a>
Ref No.	<a href="#">CP1901</a>
Note	The breaking of a wire. It was happened a few times in the past.
Note Class	Importance
Registrar	<a href="#">Tomxxxx</a>
Date	2005/12/15
Attach File	
Link URL	

[Edit...](#) [Cancel](#)

## ■ 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.

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"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>
2	AB-CD1234	01	R5318	No FDP Display	Other	2005/12/19	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>
3	AB-CD1234	01	CP5302	Emergency	Importance	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>
4	AB-CD1234	01	D5301	No Power	Info. from Factory	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>
5	AB-CD1234	03	IC201	No On-screen Character	Note	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>
6	AB-CD1234	03	IC501	No Picture (EE)	Note	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>
7	AB-CD1234	03	Q5316	No Tuner Picture	Info. from Factory	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>
8	AB-CD1234	01	D5301	No Power	Importance	2005/12/19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Import..."/>	<input type="button" value="Delete..."/>

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.

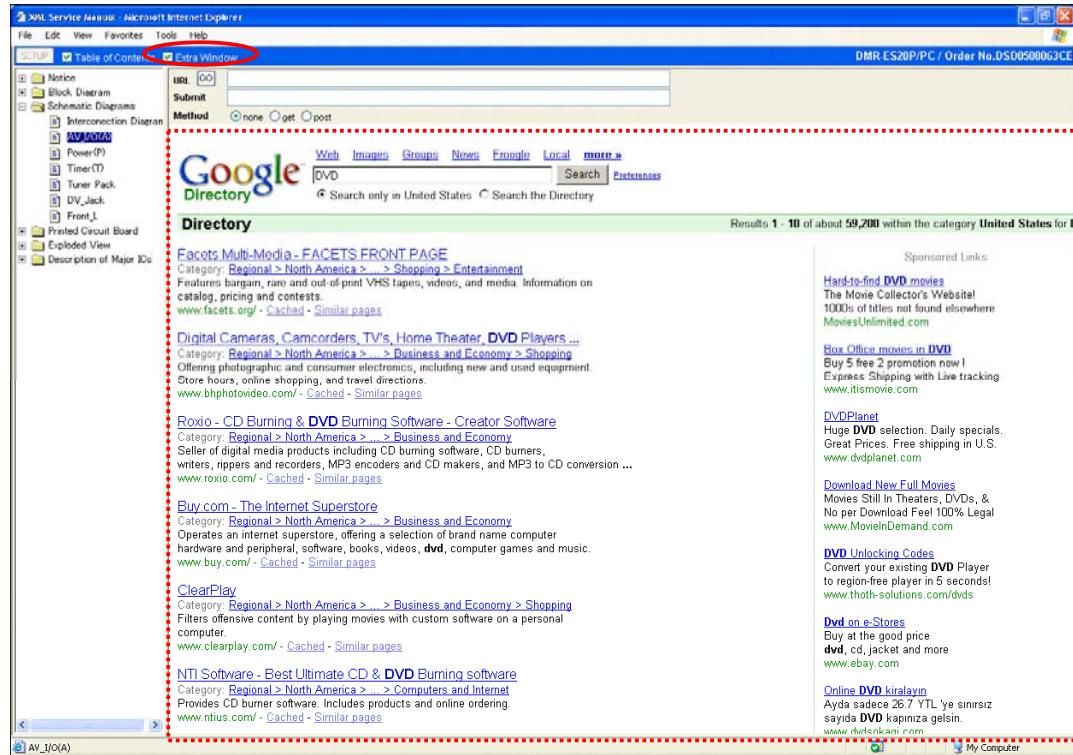
To check details of the comment information, click the “Title” name of the comment in the displayed list.

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

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

## 8.2. Extra Window (My Favorite)

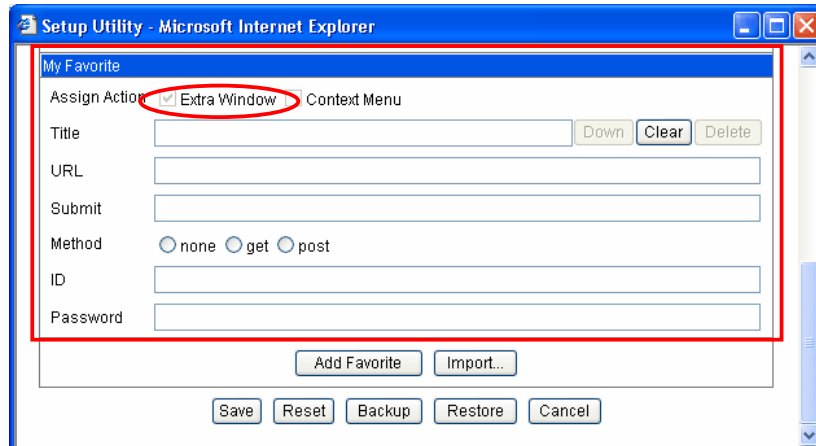
When “My Favorite” is set up in the Setup Utility, a title that has been set up on the right side of the Table of Contents on the menu bar appears. An arbitrary Web page will be displayed in the frame by clicking this checkbox.



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.

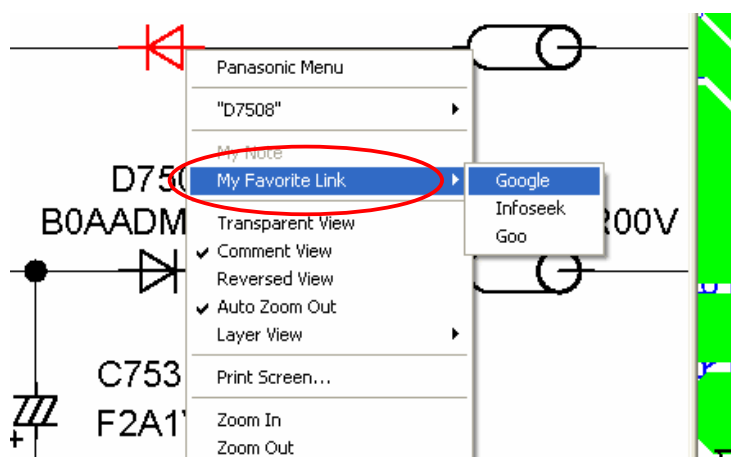
## Notes:

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.

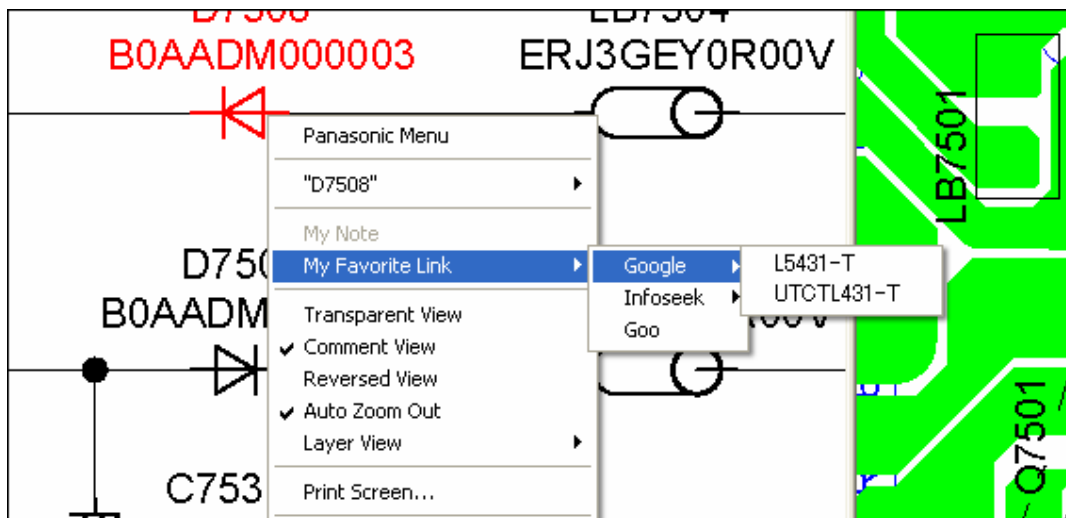
1. Click “Add Favorite” at the bottom of the screen to add more input fields for “My Favorite”.  
At this time, the added setup fields are set in the “context menu”.

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

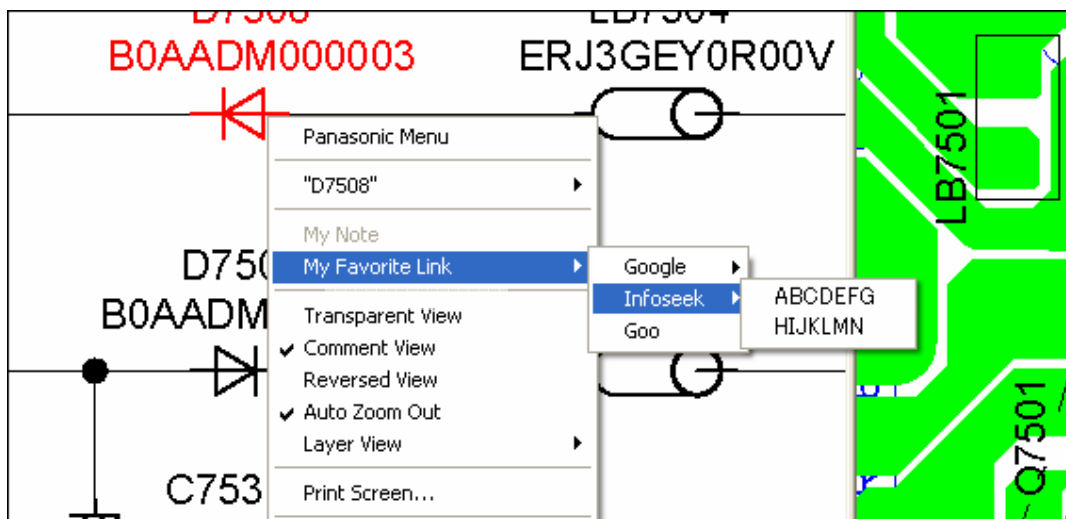
The submenu displayed in “My Favorite” in the context menu (Panasonic menu) appeared by right-clicking is an item that has been setup in “Title”. If the “Title” field is blank, it will not be displayed as a submenu.

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).*



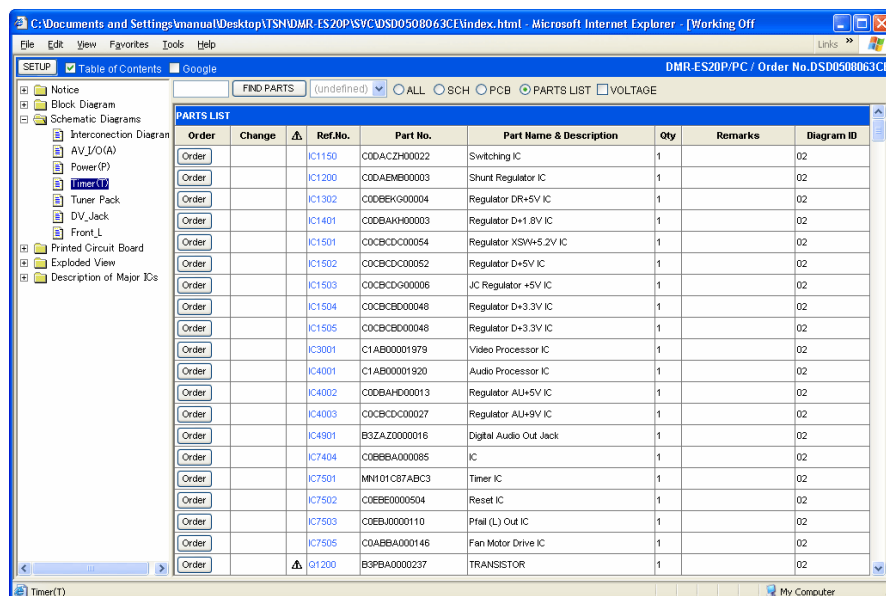
To change the order of the list of Web site information for connection or to delete it, click the “Up”, “Down”, or “Delete” buttons. The Web pages to be displayed in the Extra Window or a Web page to be displayed from the SVG context menu can be replaced ([Refer to Section 9.4.4 for Setup Utility](#)).



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

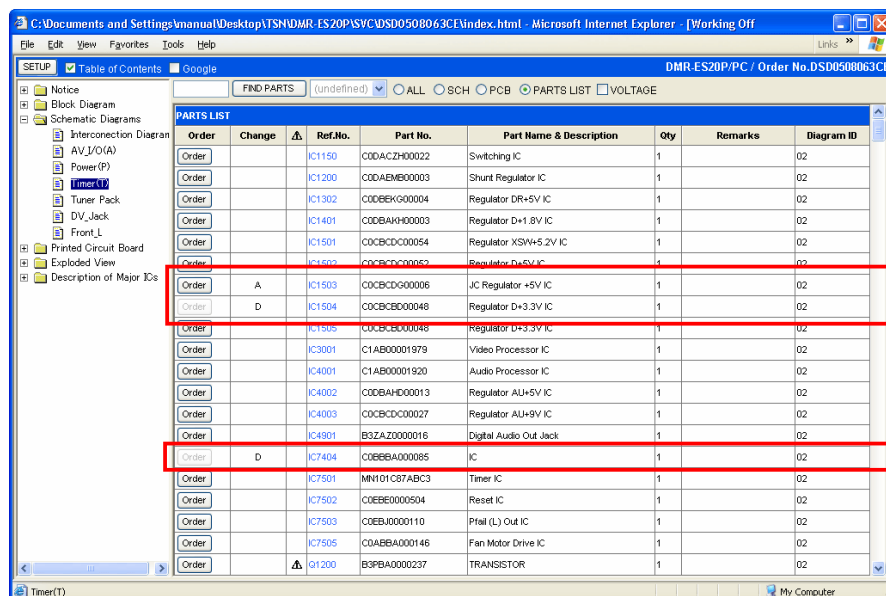
Parts List information for a service manual recorded in offline media such as CD-ROM was static, and it was not possible to update the described information in the past. In the XML/SVG Service Manual, it is possible to display in a form with changes tracked by adding updated data (different Parts List 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		IC1150	C0DACZH00022	Switching IC	1		02
Order		IC1200	C0DAEMB00003	Shunt Regulator IC	1		02
Order		IC1302	C0DBEKG00004	Regulator DR+5V IC	1		02
Order		IC1401	C0DBAKH00003	Regulator D+1.8V IC	1		02
Order		IC1501	C0CBCDC00054	Regulator XSW+5.2V IC	1		02
Order		IC1502	C0CBCDC00052	Regulator D+5V IC	1		02
Order		IC1503	C0CBCDC00006	JC Regulator +5V IC	1		02
Order		IC1504	C0CBCDB000048	Regulator D+3.3V IC	1		02
Order		IC1505	C0CBCDB000048	Regulator D+3.3V IC	1		02
Order		IC3001	C1AB00001979	Video Processor IC	1		02
Order		IC4001	C1AB00001920	Audio Processor IC	1		02
Order		IC4002	C0DBAHD00013	Regulator AU+5V IC	1		02
Order		IC4003	C0CBCDC00027	Regulator AU+9V IC	1		02
Order		IC4901	B3ZAZ0000016	Digital Audio Out Jack	1		02
Order		IC7404	C0EBBA000085	IC	1		02
Order		IC7501	MN101C87ABC3	Timer IC	1		02
Order		IC7502	C0EBE0000504	Reset IC	1		02
Order		IC7503	C0EBJ0000110	Ptail (L) Out IC	1		02
Order		IC7505	C0ABBA000146	Fan Motor Drive IC	1		02
Order		Q1200	B3PBA0000237	TRANSISTOR	1		02

*Parts List after update*



Order	Change	Ref.No.	Part No.	Part Name & Description	Qty	Remarks	Diagram ID
Order		IC1150	C0DACZH00022	Switching IC	1		02
Order		IC1200	C0DAEMB00003	Shunt Regulator IC	1		02
Order		IC1302	C0DBEKG00004	Regulator DR+5V IC	1		02
Order		IC1401	C0DBAKH00003	Regulator D+1.8V IC	1		02
Order		IC1501	C0CBCDC00054	Regulator XSW+5.2V IC	1		02
Order		IC1502	C0CBCDC00052	Regulator D+5V IC	1		02
Order	A	IC1503	C0CBCDC00006	JC Regulator +5V IC	1		02
Order	D	IC1504	C0CBCDB000048	Regulator D+3.3V IC	1		02
Order		IC1505	C0CBCDB000048	Regulator D+3.3V IC	1		02
Order		IC3001	C1AB00001979	Video Processor IC	1		02
Order		IC4001	C1AB00001920	Audio Processor IC	1		02
Order		IC4002	C0DBAHD00013	Regulator AU+5V IC	1		02
Order		IC4003	C0CBCDC00027	Regulator AU+9V IC	1		02
Order		IC4901	B3ZAZ0000016	Digital Audio Out Jack	1		02
Order	D	IC7404	C0EBBA000085	IC	1		02
Order		IC7501	MN101C87ABC3	Timer IC	1		02
Order		IC7502	C0EBE0000504	Reset IC	1		02
Order		IC7503	C0EBJ0000110	Ptail (L) Out IC	1		02
Order		IC7505	C0ABBA000146	Fan Motor Drive IC	1		02
Order		Q1200	B3PBA0000237	TRANSISTOR	1		02

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 [4.6.1 Selecting Parts to Order](#) for how to select them.

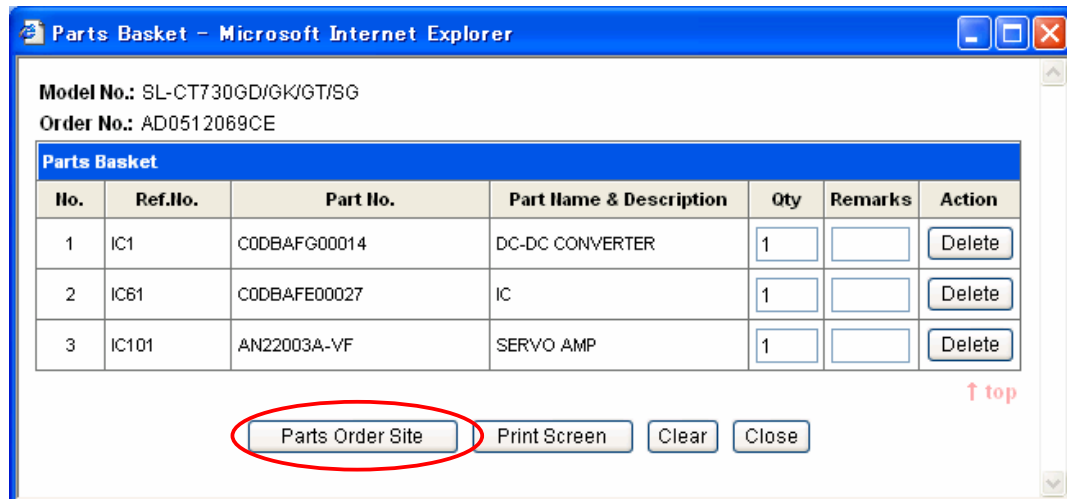
If the number of parts stored in the Parts Basket window exceeds the set value of the Parts Order Web site, the message to the right will be displayed, and addition to the Parts Basket will be limited.



- \* 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

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.

User Information	
User Name	<input type="text"/>
User E-mail Address	<input type="text"/>

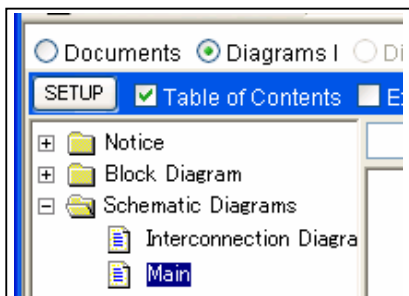
## 9.2. Path Settings

### 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\My Note” and click the “Save” button at the bottom of the SETUP window.

Path Setting	
My Note Folder Path	<input type="text" value="C:\PanaXML\MyNote"/>
Update Folder Path or URL	<input type="text"/>



When setting up the My Note 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.

**Note:** Be sure to create the “PanaXML” folder and “My Note” subfolder in advance as noted in Path Setting. If the actual folders do not exist, errors will occur when executing the various functions.

### 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.

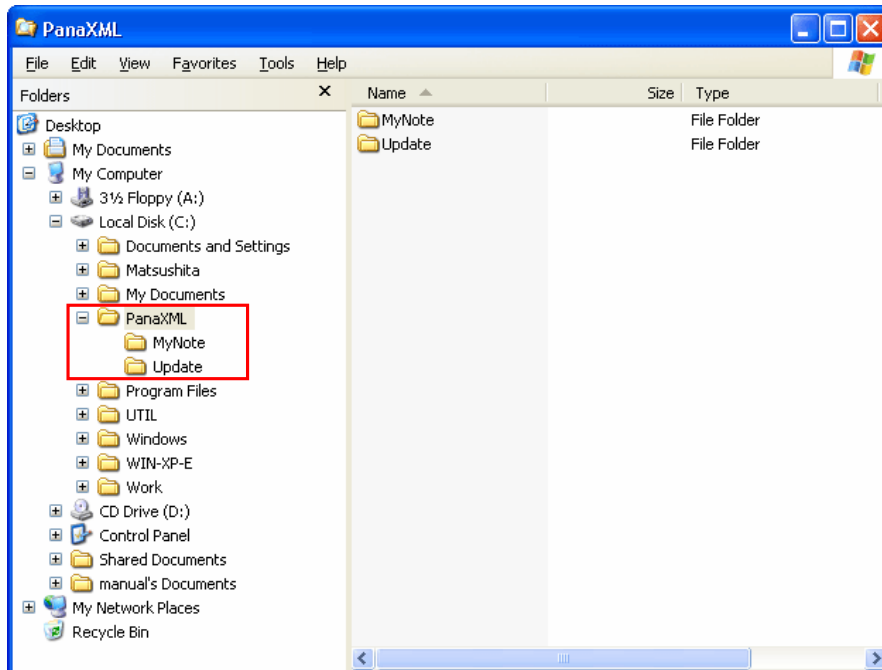
Here, enter “C:\PanaXML\Update”, and click the “Save” button.

Path Setting	
My Note Folder Path	C:\PanaXML\MyNote
Update Folder Path or URL	C:\PanaXML\Update

**Note:** Be sure to create the “PanaXML” folder and “Update” subfolder in advance as noted in Path Setting. If the actual folders do not exist, errors will occur when executing the update function.

### 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.



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

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

### 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/GT/SG  
Order No.: AD0512069CE

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

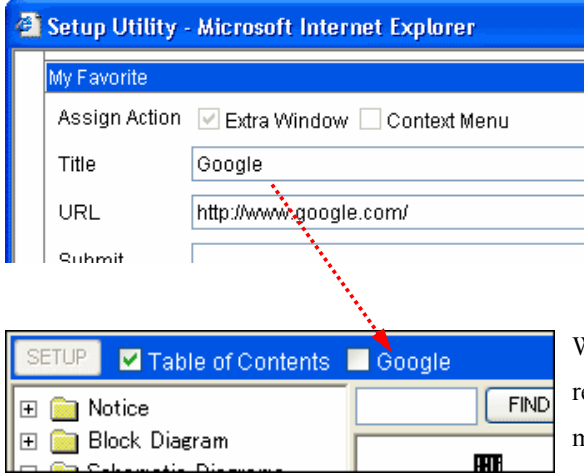
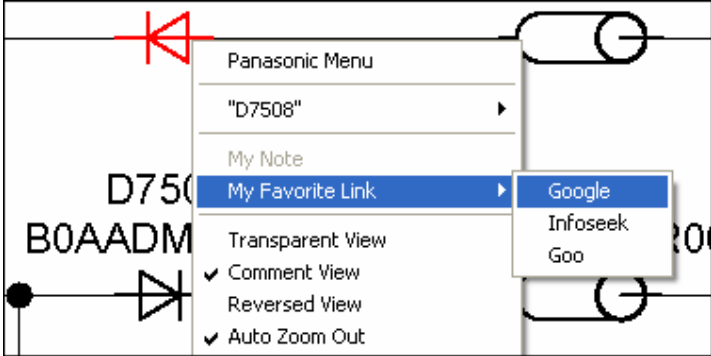
Set up the following items to display an optional Web page in the Extra Window and display it from the SVG context menu (right-click menu), or as keywords to send various information (Model No. and Order No.) regarding the relevant service menu or various information regarding selected parts on the diagrams.

After setup, click the “Save” button.

### 9.4.1. Description of Setting Items

Setting Items	Description
Title (When actions are allotted to the “Extra Window”)	This title name becomes the display name for the “Extra Window” in the sub-frame. “Extra Window” (default) is displayed when blank.



	 <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> <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> <tr> <td>\$(CurRefNo)</td><td>Selected parts Diagram No. within the displayed diagram</td></tr> <tr> <td>\$(CurPartNo)</td><td>Selected Parts No. within the displayed diagram</td></tr> <tr> <td>\$(CurBlockNo)</td><td>Diagram ID while the diagram is displayed</td></tr> <tr> <td>\$(CurUserName)</td><td>User name (Item set in “user name”)</td></tr> <tr> <td>\$(CurUserEmail)</td><td>User e-mail address (Item set in “user e-mail”)</td></tr> <tr> <td>\$(CurUserId)</td><td>“ID” item to be described later</td></tr> </tbody> </table>	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
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=$(CurModel)</submit>
    <method id="1">get</method>
    <userid />
    <userpsswrld />
  </linkinfo>
  <linkinfo title="Google" orderaction="no">
    <url>http://google.com/search</url>
    <submit>hl=ja&q=$(CurPartNo)&lr=lang_ja</submit>
    <method id="1">get</method>
    <userid />
    <userpsswrld />
  </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