



HarnesSys™

User Manual
for
Part Query
Program

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*HarnesSys*TM

User
Manual for
the
PARTS QUERY
Program

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Revision No. 0 /Issue A is the original release of the user guide. Issue "B" replaces Issue "A" in its entirety.

Please make sure that your copy of this user guide contains the correct pages.

Foreword

This user guide is one of a set of user guides that make up Volume 4 of the *HarnesSys* user documentation. Below is a description of the volumes of the *HarnesSys* user documentation:

Volume 0 - Getting Started.

Volume 1 - Schematics.

Volume 2 - Layout Drawing.

Volume 3 - Wires.

Volume 4 - Parts.

Volume 5 - Integration.

Volume 6 - Management and Configuration Control.

Volume 7 - Manufacturing.

Volume 8 - Technical Publications

Volume 9 - Retrofit

About this User Guide

This user guide describes the operation of the Parts Query program. Below is a brief description of the sections that comprise this user guide.

Introduction

This section provides general information about the Parts Query program.

Performing a New Query

This section describes the operations to be performed for building a new wire query and saving it.

Performing an Existing Query

This section provides the instructions to activate an existing parts query.

Conventions

<i>Italic text</i>	Italic text is used to indicate a word or phrase which has a special meaning with respect to HarnesSys, such as the name of a menu or option. Italic text is also used for examples. Smaller italic text is used for notes and helpful hints; these are also indicated by icons (see below).
Bold text	Bold text represents the exact text that you, the user, are supposed to enter.
<i>Bold italics</i>	Bold italics is used for emphasis.
COURIER	Text printed in Courier font represents text that appears on your screen.
	Indicates a note.
	Indicates an example.
	Indicates a helpful hint.
	Indicates additional information.
	Indicates cautionary text or a warning. Both types of text are framed in a box. A Warning, however, is printed on a raster (gray) and has the title "WARNING!".
	Indicates an operation that you, the user, are to perform. Operations in a series are also numbered.
	Indicates what you should see on the screen - the computer's response.
	Indicates a key on your keyboard.
	Indicates a path to take. This usually entails selecting a number of options from menus.
	Indicates the end of the user guide.

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Introduction

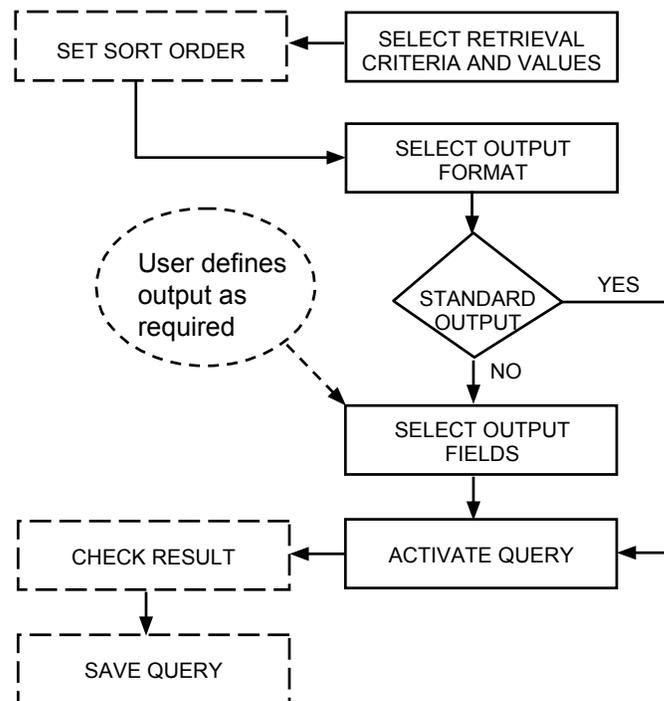
This program enables you to retrieve part data from the data base according to selected criteria and generate customized reports. In addition, you can save your selections as private queries and then activate them whenever you need.

Performing a New Query

Performing a new query entails the following:

- Invoking the program
- Selecting retrieval criteria and their values
- Selecting the sort order (optional)
- Selecting the output format
- Activating the query.

In addition, you may save the query for future use.



[OPTION]

Performing a New Query

Invoking the Program



Invoke the program, by selecting **Project >> Parts >> Query >> New** at the Working Space.

The program displays the following window.

USE THESE RADIO BUTTONS TO SELECT THE REPORT FORMAT

YOU MAY OVERWRITE THE DEFAULT REPORT NAME

THIS AREA IS ACCESSIBLE ONLY FOR USER DEFINED REPORTS

CLICK ON A CRITERION AND THEN HERE TO REMOVE IT

CLICK HERE TO REMOVE ALL RETRIEVAL CRITERIA

CLICK ON A SORT ORDER FIELD AND THEN HERE TO REMOVE IT

CLICK HERE TO REMOVE ALL SORT ORDER FIELDS

CLICK HERE TO ADD A RETRIEVAL CRITERION AND THEN ON LIST TO SELECT VALUES

CLICK HERE TO ACTIVATE THE QUERY

CLICK HERE TO SAVE YOUR QUERY

CLICK HERE TO CLOSE THIS WINDOW

CLICK HERE TO ACTIVATE THE QUERY AND CLOSE THIS WINDOW

CLICK HERE TO ADD A SORT ORDER FIELD

USE THESE BUTTONS TO EDIT THE LIST OF FIELDS TO APPEAR IN THE REPORT

NOT IMPLEMENTED YET

Standard Report - Name: STANDARD_REPORT

Master Report

User Defined

Criteria Value

Sort Order

Fields List

Add... Remove Clear

Add... Remove Clear

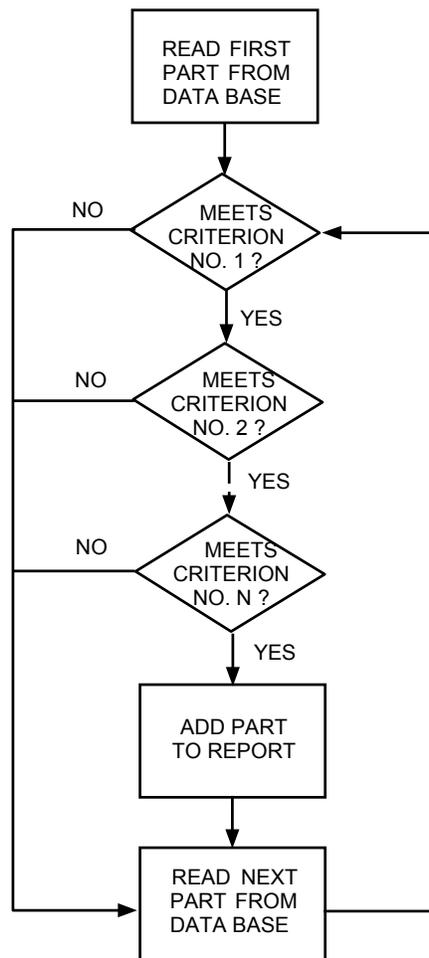
Add... Remove Clear

OK Apply Save... Cancel Help

Selecting Retrieval Criteria and Their Values

The Criterion area of the screen is used to select the scope of the report. This is done by defining characteristics common to all the parts you are interested in, while excluding the parts you are not interested in. A criterion is actually a value given to one of the fields.

For example, if you select Bundle as a criterion, only parts from the bundle you specify will be used for the report. If you add another criterion, System Code for example, only parts with both the specified Bundle and System Code will be examined for the report.



Selecting Parts According to Criteria

To select retrieval criteria and values, proceed as follows:



Press **Add** in the Criteria area to select a part field as retrieval criterion.

Criteria Names

- Access Door
- AcDc
- Alternate
- Area Code
- Binkey
- Bundle**
- Cage
- Clocking

Selection

Bundle

OK Apply Cancel Help

CLICK HERE TO SELECT THE HIGHLIGHTED FIELD AS RETRIEVAL CRITERION AND CLOSE THIS WINDOW

CLICK HERE TO SELECT THE HIGHLIGHTED FIELD AS RETRIEVAL CRITERION

CLICK HERE TO CLOSE THIS WINDOW



Click on the required field and press **Apply**.

The program places the selected field in the Criterion area and displays the **List** button next to it.

Criterion

Bundle List...

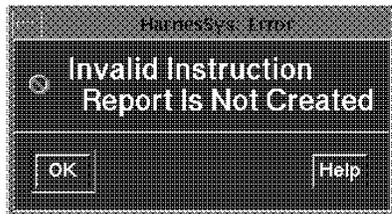
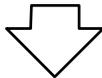
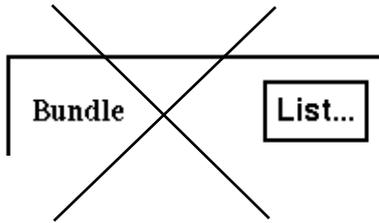
CLICK HERE TO SELECT VALUES FOR **Bundle**



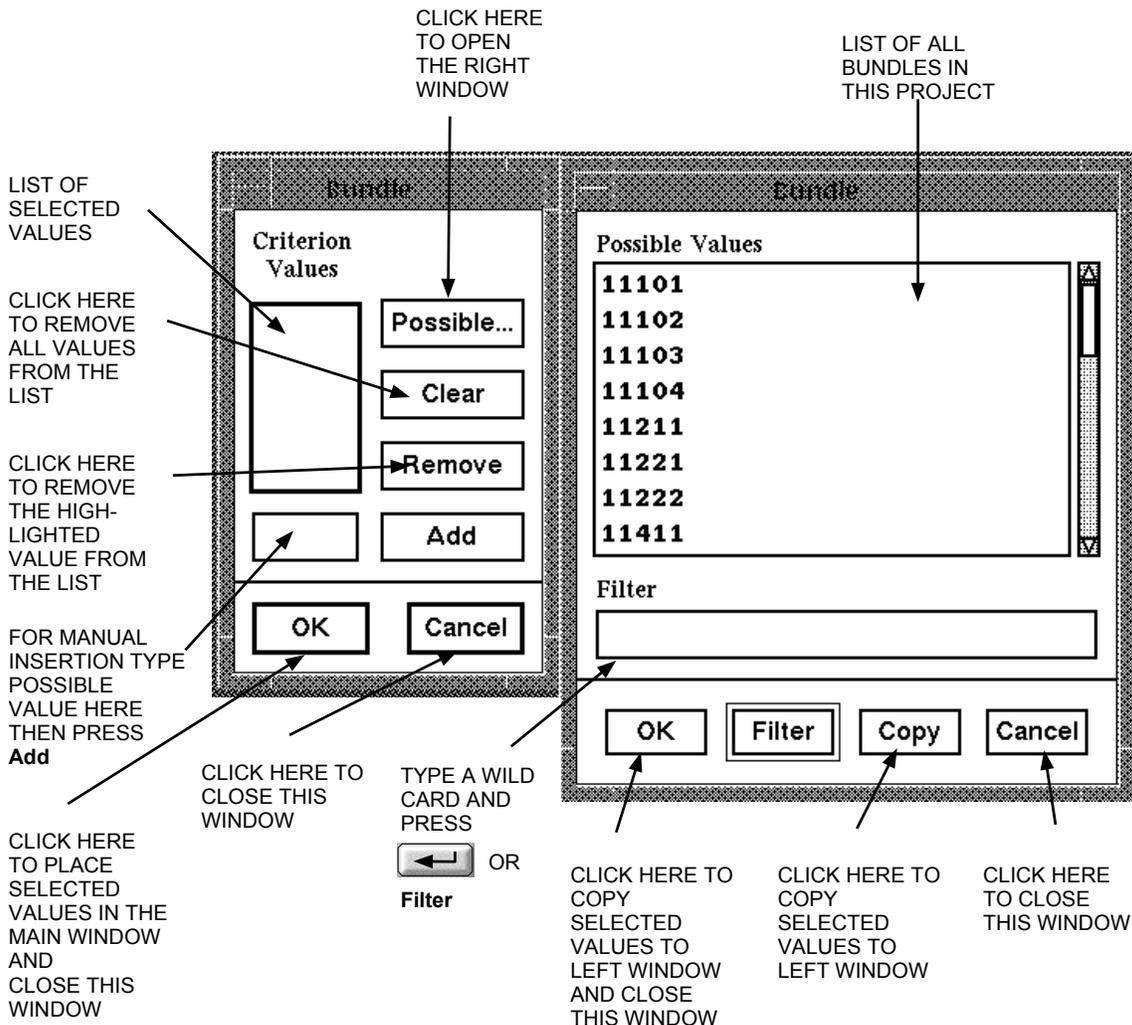
Repeat step 3 until you select all required fields. After clicking on the last field, click on **OK**, or on **Apply** and then on **Cancel**, to close the window.



At this stage you must click on **List** to select values for the selected field.
A selected field with no value(s) has no meaning and therefore the program displays an error message and it does not perform the query.



The program displays a window for the list of selected values (at the left) and a window for all possible values.



When clicking **List** for the first time, the program automatically displays the right window. In all other cases, click on **Possible** to display the right window.

To shorten the list of possible values, type a "wild card" (e.g., 14* for all bundles beginning with 14) in the Filter field and press **Filter** or .



Click on one or more requested values and then on **Copy** to copy them to the left window.



Repeat step 4 until all required values are selected. After clicking on the last value, click on **OK**, or on **Copy** and then on **Cancel**, to close the window.



*Another way to select a possible value is to type it in the left window, in the field at the left of the **Add** button and then press **Add**.*



Click on **OK** to place the selected values in the main window, next to the corresponding criterion, and close this window.



Repeat steps 3 through 6 until the required values are selected for all retrieval criteria.



*To change the criterion list, use the **Remove** or **Clear** buttons to remove one or all criteria, respectively.*



The program sets a logical AND between the criterion fields and a logical OR between the values of the criterion fields. Observe the actual SQL statement in your private directory

Setting the Sort Order (optional)

You may determine how the information in your report will be organized by defining *Sort Orders*. It is recommended that you define a useful sort order enabling easy location of parts in the report.

You may divide the parts into different groups before sorting them one by one (for example, sort by Part Number, System Code, Drawing Number and so on). In this case you have more than one sort levels i.e., a nested sort. Define the first order sort for dividing the parts into the desired groups, then define the second order sort for internal sorting of parts in each group. There is no limit on the number of sort levels you can define, but note that the sort parameters order influences the results.

For example, the following parts belong to two systems in the production unit. The first system code is 100 and the second system code is 200.

Before sorting:

No.	Part Number	System Code	Drawing Number
1	V88576-5321	200	TST111011E001
2	CL09509-001	200	TST111002E001
3	M7928/1-12	100	SDP234567E001
4	55A0112-24-5L	100	SDP345678E001
5	D436-42	200	SDP123456E001

If you define the first order sort by system code and the second order sort by drawing number and both sorts are defined to be in an ascending order the data will be organized as explained below:

After the first order sorting, the items are divided into two groups sorted by system code:

No.	Part Number	System Code	Drawing Number
1	M7928/1-12	100	SDP234567E001
2	55A0112-24-5L	100	SDP345678E001
3	V88576-5321	200	TST111011E001
4	CL09509-001	200	TST111002E001
5	D436-42	200	SDP123456E001

After the second order sorting, each group is internally sorted by drawing numbers:

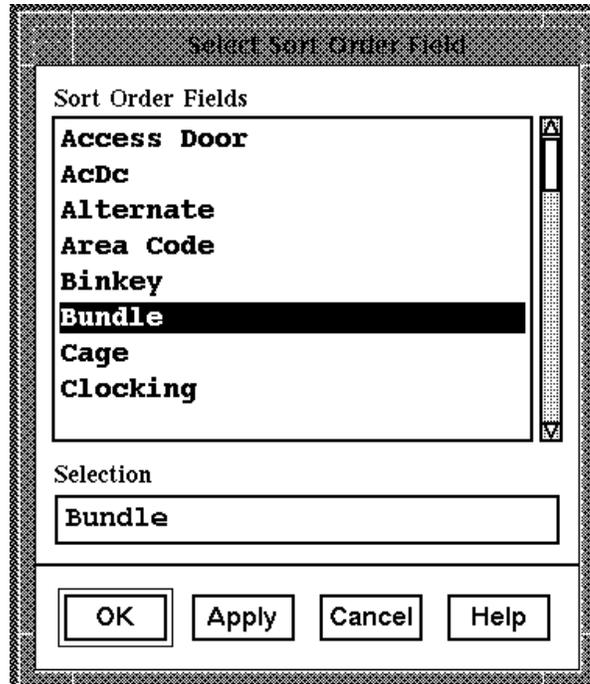
No.	Part Number	System Code	Drawing Number
1	M7928/1-12	100	SDP234567E001
2	55A0112-24-5L	100	SDP345678E001
3	D436-42	200	SDP123456E001
4	CL09509-001	200	TST111002E001
5	V88576-5321	200	TST111011E001

Note that if the sort order is changed (e.g., first sort by drawing number, then by system code), the results will be different. In this case the parts will be sorted by their drawing number, with the second order sort having no effect.

To set the sort order, proceed as follows.

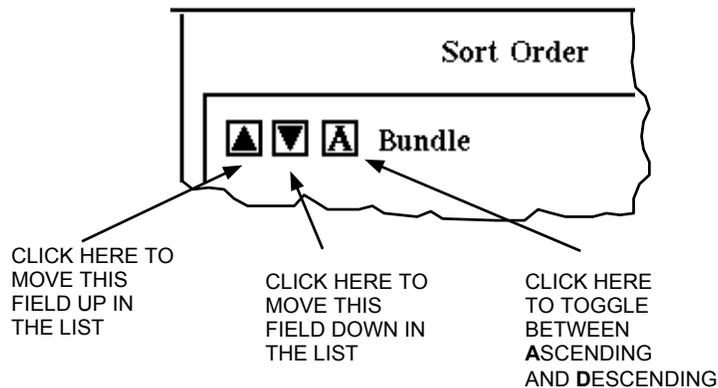


To select sort order fields, click **Add** in the Sort Order area.



Click on a required field and then on **Apply**.

The program places the selected field in the Sort Order area and displays three buttons next to it.



Repeat step 2 until you selected all required fields. After clicking on the last field, click on **OK**, or on **Apply** and then on **Cancel**, to close the window.

The sort fields are arranged in the list according to the order you added them. The first field you add, appearing on top of the sort fields list, is used for first order sort, the following field is used for second order sort, and so on. You may change the sort order, using the ▲ and ▼ buttons to move the field up or down in the list. Also, you may change the direction of each sort (ascending or descending) using the A button to toggle between A (ascending) and D (descending) order.

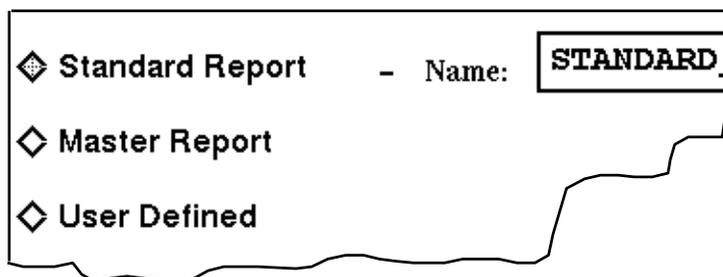


To change the remove one or more sort fields, use the **Remove** or **Clear** buttons, respectively.

Selecting the Output Format

The output format determines the fields and their location in the report. It does *not* determine any sort order.

Select the output format, using the radio buttons at the upper left hand corner of the window.



Standard Report Format

According to this format, the report is organized as shown below.

AI	GP	ID	DESIGNATOR	IP	PART NUMBER	I	QTY	I	DIAGRAM	I	DRAWING NUMBER	I	DOOR																																																				
C	I		> SEQ>	P	DESCRIPTION		>AREA>	B	UNDLE	>	M	L	T	>	N	E	X	T	U	S	I	N	G	D	M	G		>	C	A	G	E																																	
D	I		I	A	L	T	I	O	C	C	D	E	S	C	R	I	P	P	N	I	M	A	T	I	N	G	C	O	N	N	.	I	C	L	O	C	K	I	N	G	A	N	G	L	E		I	C	O	N	N	E	C	T	I	O	N	S	I	S	T	E	M		
I		I	O	C	C		I		I	N	O	T	E		I	E	F	F	E	C	T	I	V	I	T		I		I	P	A	R	T	C	O	D	E		I	C	O	N	T	A	C	T	K	E		I	C	O	N	T	A	C	T	T	Y	P	E	L	I	N	K

The default report name is STANDARD_REPORT.rep and it is stored in your private directory. You may change the report name by overtyping it.

Master Report Format

According to this format, the report is organized as shown below.

AIGP	IDESIGNATOR	IPART NUMBER		IQTY	IDIAGRAM		DRAWING NUMBER		IDOOR	
CI		> SEQ	>PART DESCRIPTION	>AREA	>BUNDLE > MLT >		NEXT USING DWG		>CAGE	
DI			ITEST PART NUMBER		IWEIGHT_INX		OCC_LCD		ICONT-TYPE	PART CODE
			ALTI OCC DESCRIPTION		IPPN		CLOCKING		ICONT-KEY	SYSTEM
	ICOOLING		ICOOL TYPE ISUBASSEMBLY		IPART TYPE		TETRA		ISHELL SIZE	VOLTAGE
	IOCC		INOTE		EFFECTIVITY					LINK

The default report name is MASTER_REPORT.rep and it is stored in your private directory. You may change the report name by overtyping it.

User Defined Format

According to this format, you may select the fields to appear in the report. To do this, click on **User Defined** radio button to access the Output List area and press **Add** to select the required output fields from the Selection window. The output fields will be displayed in the report in the order you selected them, from left to right.

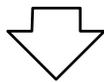
Selecting User Defined format and not selecting any output fields generates an empty report, containing banner and an error message only.

◆ User Defined

Output List

Bundle
Wire Name

Add...	Remove	Clear
--------	--------	-------



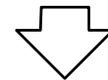
ERROR at line 1:
ORA-00936: missing expression

◆ User Defined

Output List

--

Add...	Remove	Clear
--------	--------	-------



The default report name is PART_USER_DEF_REPORT.rep and it is stored in your private directory. You may change the report name by overtyping it.

Activating the Query



To activate the query, press **Apply** or **OK**.

After the query is completed, the program displays a message, stating that the report name is xxx.rep and it is stored in your private directory. (xxx is the report name as entered in the Parts Query window.) In addition, the system brings the report to the Working Space.

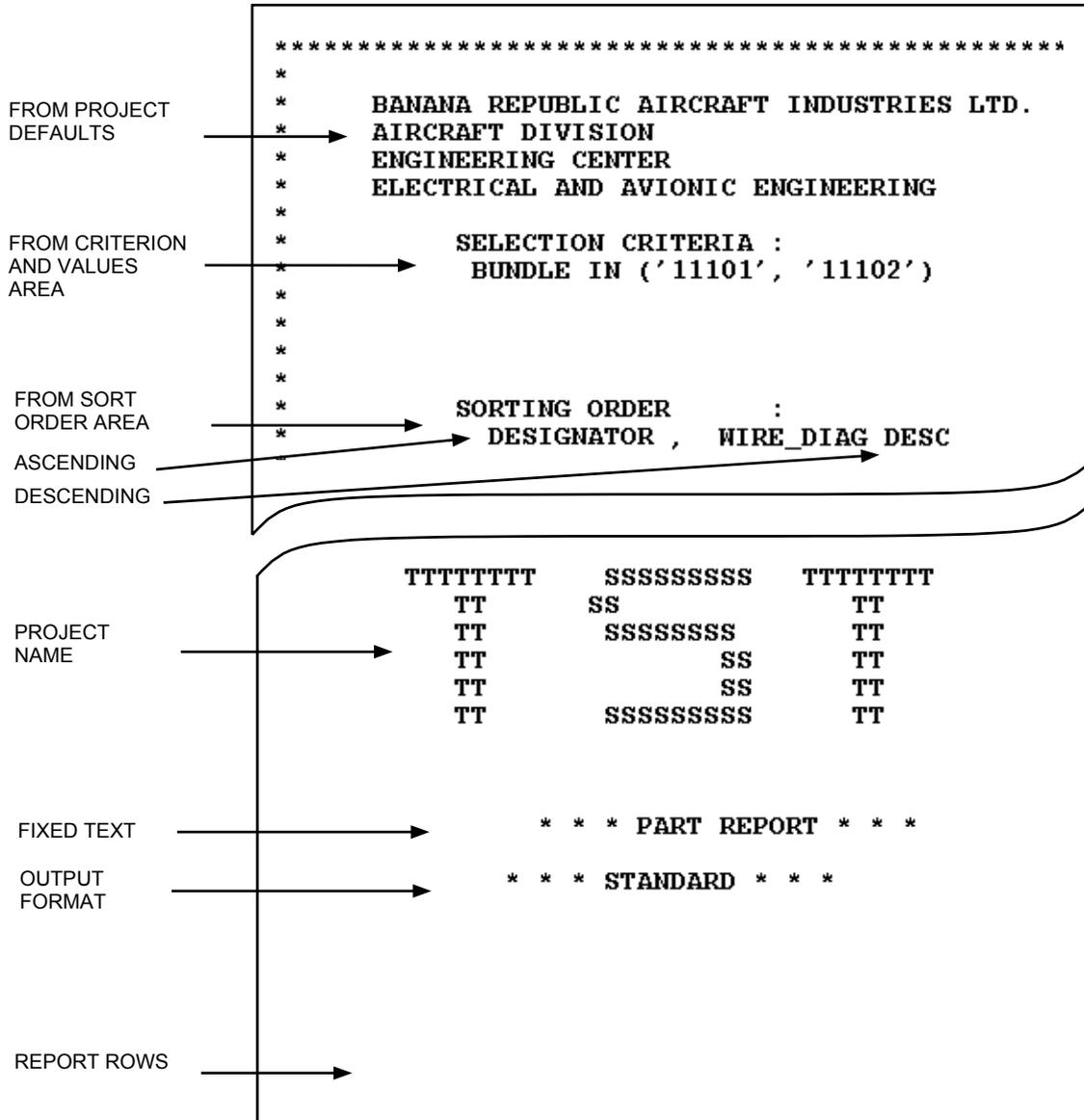


The new query report file overwrites the current file (if there is one).

Checking the Result



To check the report, click on it at the Working Space and press **View**.



For more information about the report rows, refer to the *Part Reports User Manual* in Volume 4.

Saving the Query



To save the query, click on **Save**.

The screenshot shows a dialog box with a title bar that reads "Enter Query Command File Name". Inside the dialog, there is a label "Name" above a single-line text input field. Below the input field, there are three buttons: "OK", "Cancel", and "Help", arranged horizontally from left to right.



Type the query name and press **OK**.

The program displays a message stating that the query name xxx.sqlp is saved in your private directory. (xxx is the name you entered in the previous step.)



*The xxx.sqlp file contains the report type and the sql statement reflecting your selections in the Parts Query window. To view this file, bring it to the Working Space, click on it and then on **View**.*

Performing an Existing Query



Invoke the program, by selecting **Project >> Parts >> Query >> Old** at the Working Space.



Select the required query from the Selection window and press **OK**.



*Use the ***.sqlp** wild card for filtering the list of your private files.*



Type a file name to contain the report and press **OK**.



If a private file with this name already exists, it will be overwritten.

The program displays a message stating that the report name xxx.rep is saved in your private directory. (xxx is the report name you entered.)

