

Yale

PARTS MANUAL

GDP 030 AF, GDP 040 AF (B810)



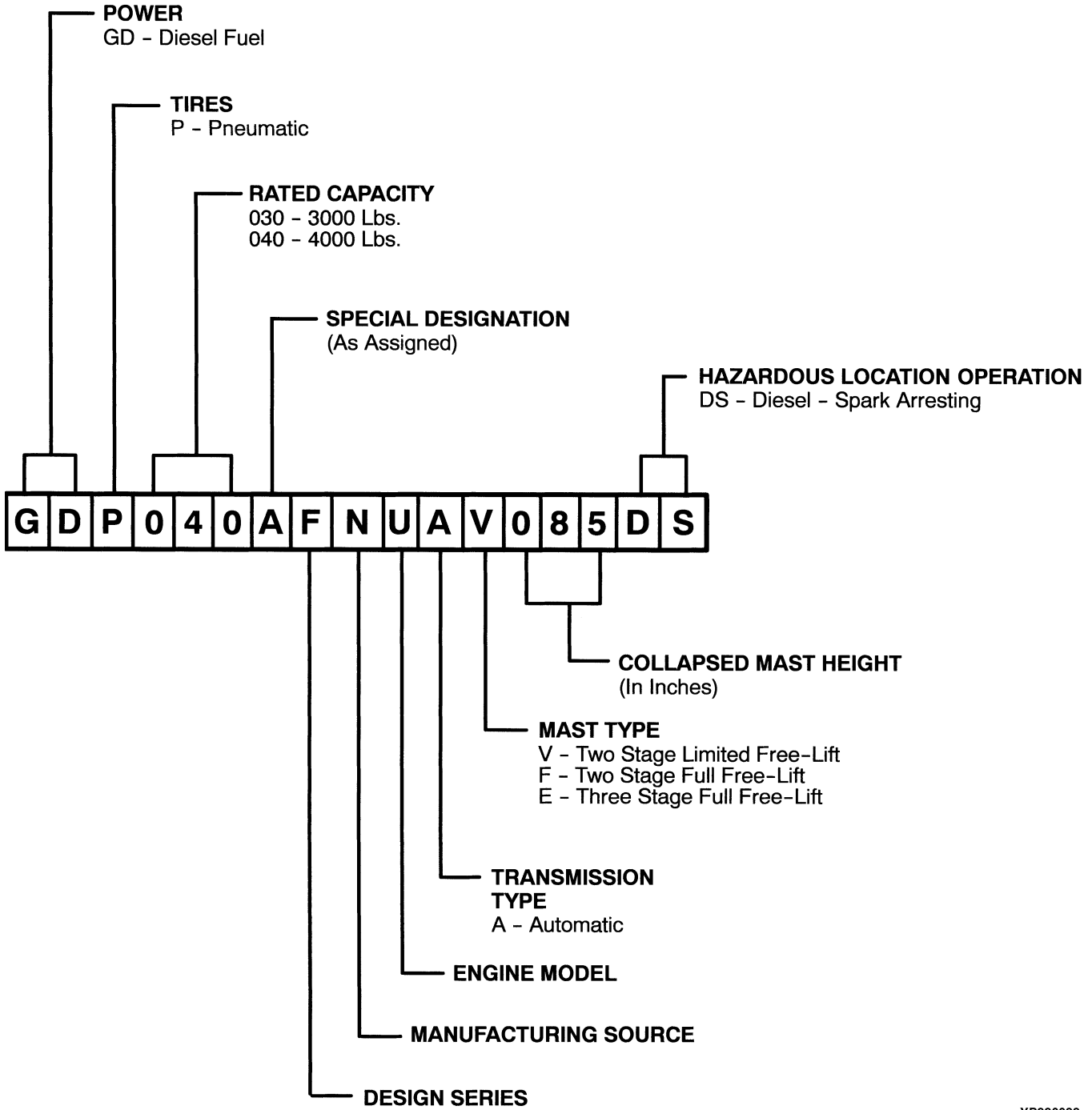
YP990098

Yale

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MODEL NOMENCLATURE



YP990099

NOTE:

This parts manual contains alternate pages for certain assemblies. The truck model code can be used to determine many of the assemblies on your lift truck (power, tire type, mast type). The complete truck model and serial number are stamped into the nameplate. See Identification of Truck Serial Number on Page ix for further information.

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This Parts Manual is divided into 17 major sections which are listed above. Quick reference to these sections can be made by placing the right thumb on the tab of the desired section, bending the book back and thumbing the pages to the corresponding tab.

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GENERAL INFORMATION

ABBREVIATIONS QUICK REFERENCE SHEET

Listed below are abbreviations used in parts manuals to denote the following expressions:

TERM	DEFINITION	TERM	DEFINITION
Amp	Amperes	MSTS	Microprocessor Spark Timing System
AR	As Required	NPT	National Pipe Threads
BDI	Battery Discharge Indicators	O/S	Oversize
BWI	Brush Wear Indicator	PTO	Power Take Off
CE	Communicator End	RPM	Revolutions per Minute
CRE	Corrosive Environment	S/N	Serial Number
D/B	Date Break	TMM	Truck Management Module
dbA	Decibel "A" Scale	UL Type D	Diesel-Powered Safety Rating
DE	Drive End	UL Type DS	Diesel-Powered Safety Rating
ECM	Electronic Control Module	UL Type E	Battery-Powered Safety Rating
ECN	Engineering Change Notice	UL Type EE	Battery-Powered Safety Rating
EEPROM	Electrically Erasable Programmable Read Only Memory	UL Type ES	Battery-Powered Safety Rating
EPROM	Electrically Programmable Read Only Memory	UL Type G	Gasoline-Powered Safety Rating
FRE	Freezer Environment	UL Type GS	Gasoline-Powered Safety Rating
in.	inches	UL Type LP	Gas-Powered Safety Rating
LPG	Liquefied Petroleum Gas	UL Type LPS	LP Gas-Powered Safety Rating
MAP	Manifold Absolute Pressure	U/S	Undersize
mm	millimeters	UL	Underwriters Laboratory
		V	Volts

HOW TO USE THE ILLUSTRATED PARTS MANUAL

This parts manual describes and illustrates assemblies, subassemblies, and detail parts needed for service replacement.

The different constructions are indicated by keys and footnotes. The callouts correspond to descriptions found on the next page.

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6 TRANSMISSION HOUSING
7A56 5/00
⇒ S/N A810N-2639

7 KEY:
A: Diesel
B: Gasoline and LPG

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	202254711	Transmission	1	1
2	202332912	Transmission Case	1	1
3	202167013	Bearing Cap	4	4
4	202341814	Washer	4	4
5	29649125	Bolt	2	2
6	293692126	Cover	4	4
7	202139017	Cotter Pin	1	1
8	137165618	O-Ring	4	4
9	202132919	Plug	22	22
10	202191520	Housing	39	39
11	202187521	Pin	1	1
12	202133622	Bolt	1	1
13	267860233	Lockwasher	8	8
14	292682243	Hydraulic Pump (w/ BK28)	8	8
15	202134525	Gasket	1	1
16	214364245	Bolt	1	1
17	296418246	Washer	1	1
18	202138827	Temperature Switch	9	9
19	202138929	Breather	9	9
20	202138929	Dipstick	2	2
21	292915298	Bolt	3	3
22	136892300	Nut	3	2
23	292527310	Bolt	4	4
24	292531311	Capcrew	4	4
25	292683312	Lockwasher	4	4
26	2936837313	Bolt	1	1
	296420314	Washer	1	1
	996403315	Transmission Kit (Includes Items 7)		
	996405316	Transmission Kit (Includes Items 14)		

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9

10

This Service Parts Manual is divided into 17 major sections which are listed above. Sections can be made by placing the right thumb on the tab of the desired section and thumbing the pages to the corresponding tab.

1-3

GENERAL INFORMATION

HOW TO FIND THE DESIRED PART NUMBER

WHEN THE PART NUMBER AND THE NEXT HIGHER ASSEMBLY IS NOT KNOWN:

1. Determine the function and application of the part required. Turn to the Sections Page. Choose the general area of reference most likely to include the part.
2. Turn to the section you chose. Use the Section Table of Contents to determine the assembly which would normally contain the part required. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS NOT KNOWN AND THE NEXT HIGHER ASSEMBLY IS KNOWN:

3. Determine the assembly the required part is used on. Turn to the Alphabetical Index on Page i.
4. Locate the assembly the required part is used on and turn to the page indicated for that assembly. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS KNOWN:

5. Use the Numerical Index on Page 16-1 to find the part number. Turn to the page listed and locate the part as indicated by the item number.

GENERAL:

The assembly breakdowns include part numbers, descriptions, quantities required, keys and footnotes to help in selecting correct parts.

6. Five periods in the PART NO. column (.) indicate that the part is either *Not Serviced Separately* or there is a reference to another figure. A figure reference is denoted by a pointing hand followed by a parts page number in the DESCRIPTION column (☞7A56)
7. Keys are used to show two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C", "D", or "E" and the corresponding quantity column to find the required parts. Two periods in the QTY column (..) indicate that the part is not used for that assembly.
8. Indented descriptions under the DESCRIPTION column are used to indicate assemblies and subparts of assemblies. In the example on the previous page, *BEARING CAP* (Item 2) is a subpart of the major assembly *CASE*.

9. Quantities shown are for one assembly. The quantities of the subpart *BEARING CAP* are indicated as two and two. This means two per *CASE* assembly.
10. Serial number breaks identify the most current parts information and are shown as follows:
 - ⇒ **S/N A810N-2639**
Indicates last serial number affected.
 - S/N A810N-2640** ⇒
Indicates the first serial number affected.
 - S/N A810N-1553** ⇔ **S/N A810N-3291**
Indicates a range of serial numbers affected.

ECN numbers for pending serial numbers are shown to allow for the inclusion of the most current parts information and are identified as follows:

- ⇒ **S/N Pending Per ECN 63243**
Indicates a pending serial number for last unit affected.
- S/N Pending Per ECN 63243** ⇒
Indicates a pending serial number for first unit affected.

Date breaks are used to indicate when a change occurred but a subsequent serial number break was not recorded. This is an arbitrary date usually based on the ECN release and are identified as follows:

- ⇒ **D/B 3/00**
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00** ⇒
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00** ⇔ **D/B 4/00**
Indicates a range of production dates of the item affected.

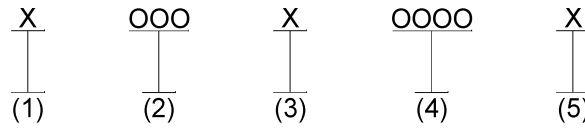
Contact your local dealer for Yale lift trucks for serial number information for items with a ECN or a date break.

ORDERING PARTS:

When ordering replacement parts, give the unit serial number, part number, name of part and quantity required.

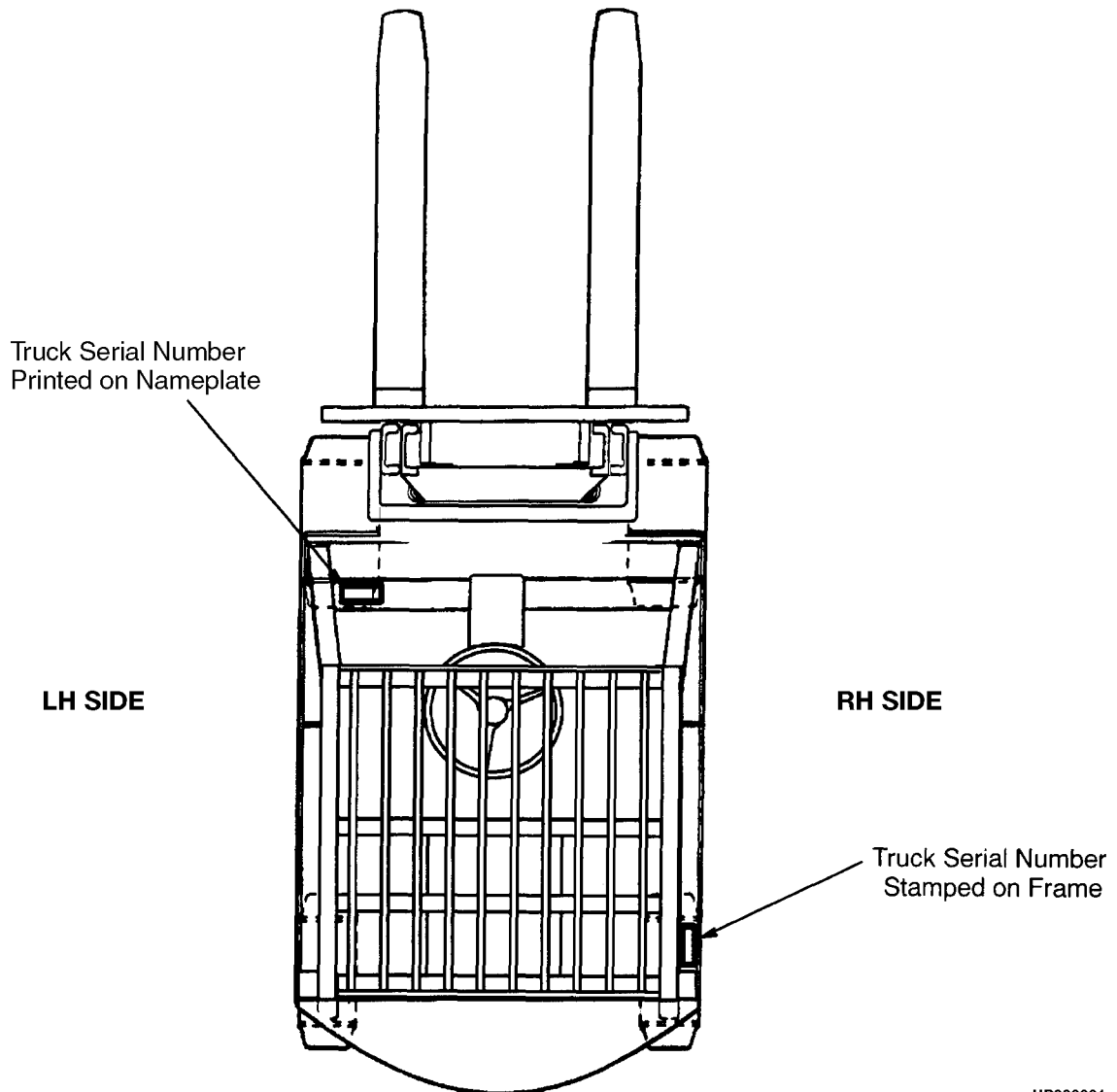
For any further information on parts, service, or ordering, consult your local dealer for Yale lift trucks.

IDENTIFICATION OF TRUCK SERIAL NUMBER



- (1) and (2) The first letter and three numbers indicate the truck unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the truck.
- (5) The final letter indicates the year of manufacture starting with "A" in 1957 and 1980. The letters "I", "O", and "Q" will not be used.

For pending serial numbers contact your local dealer for Yale lift trucks.

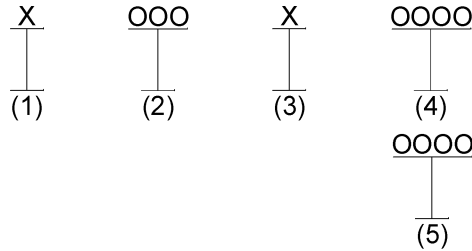


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Parts referred to in this book as right or left hand parts are in accordance with the illustration above.

GENERAL INFORMATION

IDENTIFICATION OF MAST SERIAL NUMBER



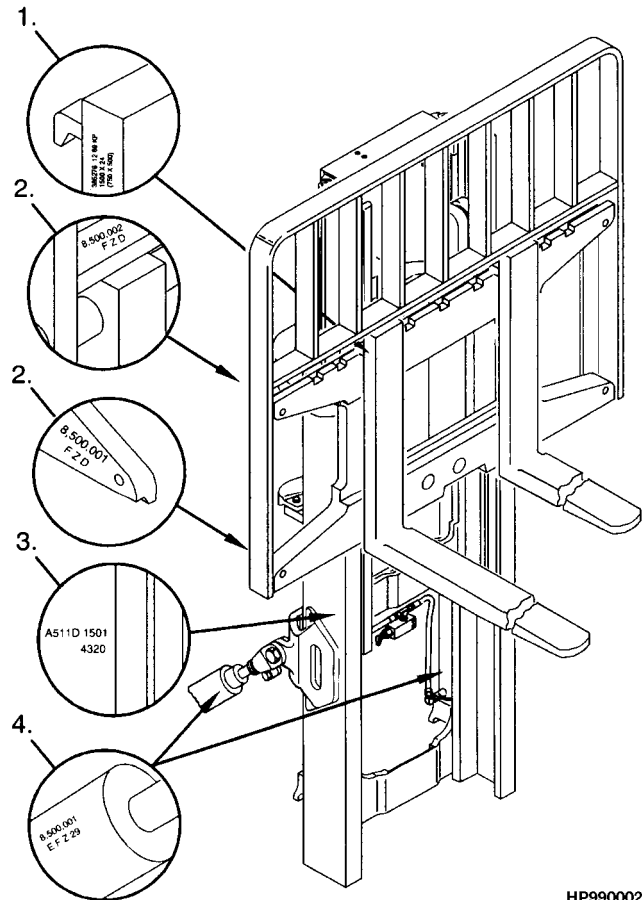
- (1) and (2) The first letter and number indicates the mast unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the mast.
- (5) Carriage travel in millimeters stamped just below the serial number.

Mast Group identification consists of mast unit code (1) and (2) plus carriage travel (5).

For pending production sequence numbers contact your local dealer for Yale lift trucks.

LIFT EQUIPMENT IDENTIFICATION

1. Fork part number, capacity rating, plant code letter, and date of manufacture are stamped approximately six inches below the top of most forks.
2. The carriage group number is stamped on the right hand side of the top crossmember (pin type) or on the back of the right hand end of the bottom crossmember (hook type). A date code has two letters in line with or below the carriage group number.
3. The mast identification number has a unit code, a letter indicating the plant of manufacture, and a serial number. Underneath the production sequence number is a four digit number that indicates the carriage travel in millimeters.
4. Tilt and lift cylinder group numbers are stamped on the cylinder shell.

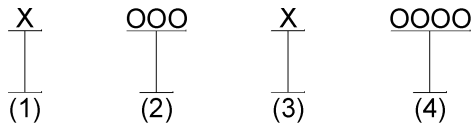


Always refer to the group, serial, or part number when ordering service parts.

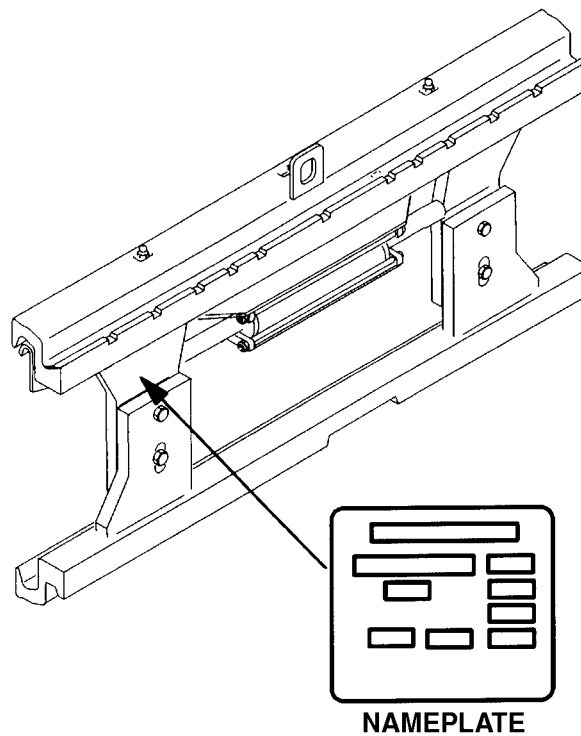
Modification of masts and carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". contact your dealer for Yale lift trucks for information on these assemblies.

HP990002

IDENTIFICATION OF ATTACHMENT AND SIDE-SHIFT CARRIAGE SERIAL NUMBERS



- (1) and (2) The first letter and three numbers indicate the attachment unit code.
 - (3) The second letter indicates the plant of manufacture.
 - (4) The four or five digit number indicates the production sequence number.
- For pending production sequence numbers contact your local dealer for Yale lift trucks.



HP990003

Side-shift carriages and attachments have nameplates. Use the serial number found on the nameplate to identify the attachment.

Always refer to the group, serial, or part number when ordering service parts.

Modifications of attachments and side-shift carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". Contact your dealer for Yale lift trucks for information on these assemblies.

GENERAL INFORMATION

MASTER PART SHEET CROSS-REFERENCE

NOTE: Throughout this manual are references to Part Sheet Numbers. These references are usually found after the description of a part or assembly. The Part Sheet Number is found on the upper left- or righthand corner of the parts pages.

EXAMPLE:

ITEM	PART NO.	DESCRIPTION	QTY
31	505965530	Steering Cylinder (13 6E67).....	1
32	504224261	Pin.....	4

Below is a numerical listing of Part Sheet Numbers found in this parts book and what page number they are on.

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