

ARMY SERVICE FORCES CATALOG

ORD 7-8-9

SNL G-507

# ORDNANCE SUPPLY CATALOG

Group G

Technical Reference TM 9-810

(Standard Nomenclature List No. G-507)

(Combined)

**Organizational Spare Parts and Equipment****Higher Echelon Spare Parts and Equipment (Addendum)****Service Parts Catalog**

for

**Truck, 1½-Ton, 6 x 6****(DODGE MODEL T223)**

(Supersedes Service Parts Catalog SNL G507, dated 1 June 1943; Organizational Spare Parts and Equipment, SNL G-507, dated 7 November 1943; Addendum, SNL G-507, dated 29 Oct. 1943 and changes thereto, which should be collected and destroyed.)

**Distribution:** Ordnance Organizations, Establishments and any Interested Personnel. All units equipped with Truck, 1½ ton, 6 x 6.

HEADQUARTERS, ARMY SERVICE FORCES, 1 SEPTEMBER, 1944

*Headquarters, Army Service Forces,*

Washington 25, D. C., 1 September, 1944

Army Service Forces Ordnance Supply Catalog, ORD 7-8-9, SNL G-507, Combined Organizational Spare Parts and Equipment, Higher Echelon Spare Parts and Equipment (Addendum) and Service Parts Catalog for Truck, 1½-ton, 6 x 6 has been prepared under the supervision of the Chief of Ordnance and is published for the information and guidance of all concerned.

SPX 400.152 (1 August 1944).

By command of Lieutenant General SOMERVELL:

W. D. STYER,  
Major General, General Staff Corps,  
Chief of Staff.

OFFICIAL:

J. A. ULIO,  
Major General,  
The Adjutant General.

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HEADQUARTERS, ARMY SERVICE FORCES 20 MARCH, 1944

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## GENERAL INFORMATION

For full information relative to Standard Nomenclature Lists, the procedure followed, and principles employed in the compilation, together with the purposes and uses thereof, see the Introduction to the Ordnance Catalog (ORD 1 IOC), the Ordnance Provision System Regulations (OPSR) and the Ordnance Publications for Supply Index (ORD 2 OPSI).

The Standard Nomenclature Lists for major items consist of three main parts: The Organizational Spare Parts and Equipment (ORD 7), the Higher Echelon Spare Parts and Equipment (Addendum) (ORD 8), and the Service Parts Catalog (ORD 9). These three subdivisions may be published separately or may be combined.

The Ordnance Supply Catalog of Spare Parts and Equipment contains the following sub-divisions, besides this General Information Section:

- Organizational Spare Parts and Equipment (ORD 7)
- Higher Echelon Spare Parts and Equipment (Addendum)
- Combined with Service Parts Catalog (ORD 8-9)
- Indexes

### ORGANIZATIONAL SPARE PARTS AND EQUIPMENT (ORD 7)

This section lists all maintenance parts, accessories, common and special tools, equipment and supplies, fire control equipment, applicable cleaning and preserving materials, required by, and authorized for using troop organizations in connection with the use and maintenance of the vehicle. Columns 6 through 13 in this section show the estimated quantities of parts required by each company or regiment or separate battalion to maintain the various quantities of the vehicle assigned to each unit respectively, i.e., companies within a Regiment will draw the set authorized their company according to the total number of vehicles within the company, Battalions within a Regiment will draw the set authorized their Battalion according to the total number of vehicles with the Battalion; the Regiment will draw the set authorized the Regiment according to the total number of vehicles within the Regiment. The Organizational Accessories shows the tool sets allocated to these organizations, the figures in the quantity column indicating the quantities per tool set.

### HIGHER ECHELON SPARE PARTS AND EQUIPMENT (ADDENDUM) COMBINED WITH SERVICE PARTS CATALOG (ORD 8-9).

This section lists all parts which may be used to service the vehicle although not all of them are authorized items of issue. Those items which are authorized items of issue for maintenance are indicated by quantities in columns 7, 8, 9, or an asterisk (\*) in column 9. 12 Mos. Field Maintenance shows the quantity of parts that have been estimated to be required for the third and fourth echelons for the maintenance of one hundred (100) vehicles for twelve months. These figures do not include the quantities estimated for organizational maintenance parts, which appear in ORD 7. Column 8, Major Overhaul (5th echelon), shows the quantities of parts that have been estimated to be required for fifth echelon maintenance for one hundred (100) vehicles for twelve months. Column 9 shows Total First Year Procurement for maintenance by all echelons. Column 10 is note symbol.

The figures shown in Column 7 will be used as a basis for computing normal field maintenance requirements. For example, 30 days' (1 mo.) supply for 13 major items, is the nearest whole equivalent of  $\frac{1 \text{ mo.} \times 13 \text{ items}}{12 \text{ mos.} \quad 100 \text{ items}}$  multiplied by the quantities listed in Column 7 for the particular parts required: No Ordnance field organization will ever normally require all the parts listed in Column 7 of the Higher Echelon Spare Parts and Equipment (Addendum). In order that the Ordnance Department at large may be able to make equitable distribution of the total stock of any one item, Ordnance organization commanders should limit their requisitions and stocks to the absolute minimum requirements that are estimated to be necessary for each contemplated tactical operation. The Chief Ordnance Officer of a task

## GENERAL INFORMATION—Cont'd

force is responsible that various ordnance units in the task force do not use the same major items in computing their stocks; e.g., if there is a grand total of 168 Trucks, 1½ Ton, 6 x 6 (Dodge) in the entire force, each ordnance unit in the task force should not claim the entire 168 Trucks, 1½ Ton, 6 x 6 (Dodge) as a basis for computing its stocks. The Chief Ordnance Officer must allocate, for spare parts stockage purposes, the major items of the task force among the various ordnance units of the task force. See "Supply Functions of Company," FM 9-10, Ordnance Field Maintenance.

Column 7 will be used in computing Ordnance Depot Company stocks where major overhaul operations are not involved. (Normally no major overhaul operations are conducted within a Field Army.) Column 8 will be used in computing stock for depot units of ordnance organizations performing major overhaul. (For example: Depot Companies in fixed Ordnance Base installations.)

These figures in Column 7 do not include the quantities estimated for organizational Spare Parts and Equipment, ORD 7.

**FIRST AND SECOND ECHELONS**—Using troops performing 1st and 2nd echelon maintenance are authorized to requisition only those parts marked by a % sign in Column 7 as well as any standard hardware, for immediate purposes only. They are not authorized to requisition any other part.

In the event that official stock numbers used in this Higher Echelon Spare Parts and Equipment (Addendum) do not correspond with those used in the List of All Parts or Service Parts Catalog, the numbers used in this Higher Echelon Spare Parts and Equipment (Addendum) will govern.

### ATTACHING PARTS

Attaching parts, such as rivets, bolts, nuts, screws, etc., are indented immediately under the parts they attach.

### QUANTITY PER UNIT ASSEMBLY

The quantity per Unit Assembly Column lists the quantity of the part required for the particular use in question. If, for example, there are two generators in the vehicle, the quantities of the components listed will be double the number required in one generator. If there are two similar brackets, each requiring four bolts, the total quantity of eight bolts will be indicated. It is therefore necessary to check the quantity of assemblies before using the indicated quantity of components to determine the quantity required per generator. In the case of attaching parts, the quantity of the items attached should be checked.

### INTERCHANGEABILITY WITH OTHER VEHICLES

The engine, clutch, transmission, differential and front axle except steering arm and ball are the same as or interchangeable with those of the Model T214 covered in SNL G-502, Truck, ¾-Ton, 4x4.

### STANDARD HARDWARE

The quantity per unit assembly is given in all places where used with maintenance quantities. A consolidation of maintenance quantities for Standard Hardware for the complete vehicle items is given in Group 23.

### ILLUSTRATIONS

Exploded views and cross-sectional drawings are used throughout the book to further aid in locating and identifying parts. Illustrations are placed in front of each group to which they apply. In the Indexes of this book there is an illustration index showing the figure number, the title, and the page number on which the illustration is located.

### REPAIR KITS AND SETS

Repair Kits or Sets have been made available for service. The component parts of each Kit are listed immediately following the Kit itself. Those parts of Kits that are serviced separately are also listed alphabetically in their proper sub-groups with a reference made to the kit number.

# GENERAL INFORMATION—Cont'd

## INDEXES

**QUICK REFERENCE INDEX**—A quick reference index to each of the major groups is provided on the right hand margin of the title page with corresponding black thumb marks in the right hand margin of the first page of each of the major groups and the index section.

**MAJOR GROUP INDEX**—Each major group is subdivided into various sub-groups for easier location and identification of each part. The Standardized Government Grouping as adapted to this catalogue is outlined on pages 10, 11 and 12.

**ILLUSTRATION INDEX**—This index lists the figure numbers, figure titles, and page numbers on which they appear.

**ALPHABETICAL INDEX**—This index contains a list of the parts with the exception of attaching parts arranged in alphabetical sequence by the noun name, followed by the description and the group number, or numbers, in which they are listed in the Catalogue.

**OFFICIAL STOCK NUMBER INDEX**—This index contains a list of all parts listed in the Catalog to which official stock numbers have been assigned, listed in alphabetical and numerical order by official stock numbers and the group number, or numbers, in which they appear.

**MANUFACTURER'S PART NUMBER INDEX**—This index contains a list of all parts listed in the Catalog which have manufacturer parts numbers, listed in groups under the manufacturer name and numerical order and cross-referenced to the official number.

## BULK MATERIAL

Bulk material such as electric wiring, tubing, hoses, etc., which are available are listed in Group 23.

## LEFT AND RIGHT DESIGNATIONS

The meaning of left and right with respect to vehicle will be designated as to the driver's left and right respectively; with respect to engine, left will be the side on which the electrical units are mounted (i. e. generator, distributor starting motor), right will be the side on which the manifold and fuel units are mounted (i. e. carburetor and fuel pump).

## SERIAL, MODEL AND ENGINE NUMBER LOCATION

Changes in design which affect the interchangeability of an assembly or parts are indicated either in the description or by suitable notes giving the serial number of the vehicle on which the change becomes effective.

The engine number is stamped on a boss on the left side of the engine block opposite number one cylinder. The letter on the circular bosses on the block are for use of factory inspectors only and are not to be used with the engine number. The vehicle serial number is stamped on a plate which is attached to the face of the instrument panel; this plate also shows the nomenclature of the vehicle and model type. The vehicle serial number is also shown on left frame side member just forward of the front axle. Engine numbers start with number T223-1001 and vehicle serial numbers start with number 82,000,006.

## MAINTENANCE PARTS

Parts which are authorized items of issue and as such are obtainable on requisition from the Ordnance supply system are Maintenance Parts.

## NOT AVAILABLE FOR ISSUE

If continued conditions due to field experience indicate that it is necessary to have available for issue items other than those listed as available in column 9, this information should be furnished through channels to Office, Chief of Ordnance, Detroit, ATTN: Maintenance Branch.

# GENERAL INFORMATION—Cont'd

## HOW TO FIND PARTS

There are several ways to find any part quickly, using the various indexes, illustrations, and standardized government grouping. The following instructions and examples are given as a guide:

- a. If only the description or name of the part is known—
  1. Turn to alphabetical index and locate the part by description or name in alphabetical sequence.
  2. Turn to the group shown opposite the name. Group numbers appear on the upper outside corner of each page.
  3. Refer to the proper sub-heading under which the part is listed and locate the part in alphabetical order under the sub-heading.
- b. If only the location or function of the part in the vehicle is known—
  1. Turn to the standardized government grouping list, pages 10, 11 and 12 General Information Section showing group numbers, and determine the number of the group in which the part is most likely to be listed.
  2. If found in the list, review the illustrations which apply to group or allied groups. When the proper illustration is found, refer to the legend to determine the group number, part number, and description of the part.
  3. Turn to the proper group and locate the part, either by part number or by description.
- c. If only the official stock number of the part is known—
  1. Refer to the official stock number index and locate the proper official stock number by SNL alphabetical prefix and then numerical sequence of numbers.
  2. Turn to the group shown opposite the proper official stock number and locate the part.
- d. If only the manufacturer's piecemark of the part is known—
  1. Refer to the manufacturer's piecemark index and locate the proper piecemark listed in alphabetical prefix and numerical sequence.
  2. Turn to the group shown opposite the proper piecemark and locate the part.

For example, let us say we are asked to get the Valve Guides for the Valve Tappets. Referring to the Standardized Government Grouping List, we find Valve Guides in sub-group 0105. Turning to the group in ORD 8-9 of the book, we find the sub-Group (0105). The required Valve Guides are found in alphabetical sequence within the sub-group. If some doubt exists as to whether or not the correct guides have been found, a check can be made against the illustration referred to in the figure number column.

The parts also could be found by referring to the alphabetical index under Guide, Valve Stem. Here we find the same sub-group reference, and by following the steps outlined in the paragraph above, we arrive at the same conclusion.

Another way of finding the Valve Guide is to determine the sub-group in which the parts may be found and refer to the illustrations which apply to the group. The part may be found on the illustration and the required part number and description will be found in the legend.

## IMPORTANT

The Prefix Letter and Number of the official Stock Number (i.e. G104-XX-XXXXXX, G103-XX-XXXXXX or G167-XX-XXXXXX) signifies that the particular Part or Component was originally coded under the major item designation for that SNL, and does NOT mean that the Part is used ONLY in the major item. All subsequent lists for different vehicles will include the same official Stock Number for this same part.

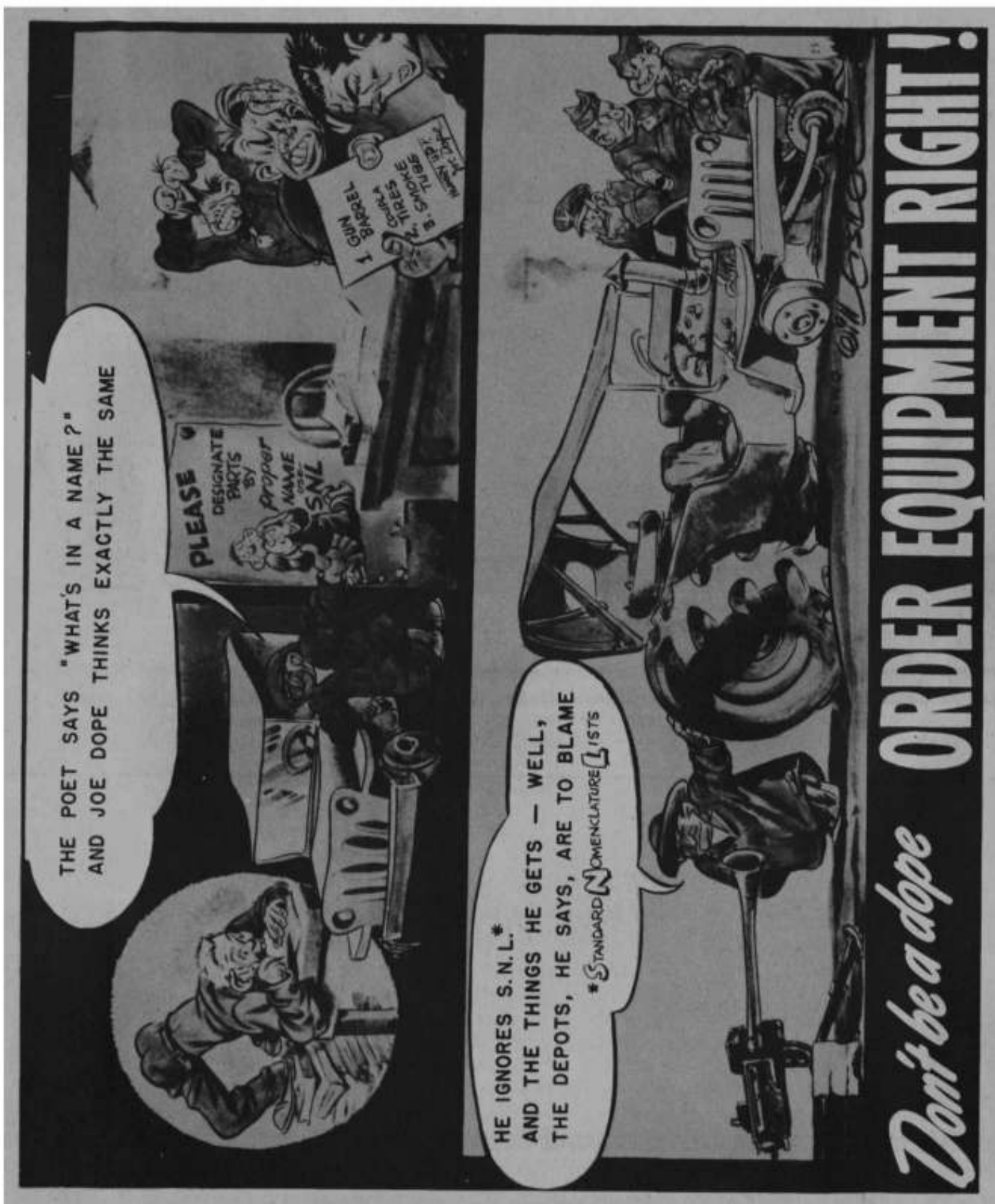
When ordering, include all Piece Marks, official Stock Numbers and Nomenclature shown for the part.

## U. S. A. REGISTRATION NUMBERS

The following tabulation of U.S.A. Registration Numbers is given to help identify models as described in this Ordnance Supply Catalog. U.S.A. Registration Numbers are shown on both sides of the hood and on the rear of some bodies.

| <i>Model</i> | <i>Body Style</i>              | <i>U.S.A. Registration Numbers</i> |
|--------------|--------------------------------|------------------------------------|
| WC62         | Personnel and Cargo            | 3297503 to 3319601 Incl.           |
| WC63         | Personnel and Cargo with Winch | 3328847 to 3342502 Incl.           |







# LIST OF ABBREVIATIONS

|                       |                          |                  |                        |
|-----------------------|--------------------------|------------------|------------------------|
| al.....               | aluminum                 | hdls.....        | headless               |
| alloy-S.....          | alloy steel              | hex.....         | hexagonal              |
| amp.....              | ampere                   | hex-hd.....      | hexagon-head           |
| as req.....           | as required              | hp.....          | horsepower             |
| b-hd.....             | button-head              | I.D.....         | inner-diameter         |
| br.....               | brass                    | in.....          | inch                   |
| brght.....            | bright                   | lb.....          | pound                  |
| bz.....               | bronze                   | lgh.....         | length                 |
| c-pin.....            | cotter pin               | lin. ft.....     | linear foot or feet    |
| cd.....               | cadmium                  | lkg.....         | locking                |
| cd-pltd.....          | cadmium plated           | m-screw.....     | machine screw          |
| chamf.....            | chamfered                | mach.....        | machine                |
| chr.....              | chromium                 | M. I.....        | malleable iron         |
| C. I.....             | cast iron                | mm.....          | millimeter             |
| cir-mils.....         | circular mils            | mtg.....         | mounting               |
| ck-hd.....            | countersunk heads        | ni.....          | nickel                 |
| cm.....               | centimeter               | No.....          | number                 |
| cone-pt.....          | cone point               | O.D.....         | outer diameter         |
| cont'd.....           | continued                | oval-fil-hd..... | oval fillister head    |
| cop.....              | copper                   | oz.....          | ounce                  |
| cop-asb.....          | copper-asbestos          | ph-bz.....       | phosphor bronze        |
| corr-res-S.....       | corrosion-resistant-     | pltd.....        | plated                 |
|                       | steel (stainless)        | pt.....          | point                  |
| cp.....               | candlepower              | rd-hd.....       | round head             |
| diam.....             | diameter                 | reg.....         | regular                |
| dld.....              | drilled                  | rpm.....         | revolutions per minute |
| dld. f/c-pin.....     | drilled for cotter pin   | S.....           | steel                  |
| dld. f/lkg-wire.....  | drilled for locking wire | s-fin.....       | semi-finished          |
| dld. holes in hd..... | drilled holes in head    | stght.....       | straight               |
| f/.....               | for                      | sq-hd.....       | square-head            |
| fil-hd.....           | fillister head           | thd.....         | thread                 |
| fl-fil-hd.....        | flat fillister head      | thk.....         | thickness              |
| fin.....              | finished                 | tub.....         | tubular                |
| fl-hd.....            | flat head                | w/.....          | with                   |
| ft.....               | foot or feet             | w/o.....         | without                |
| galvd.....            | galvanized               |                  |                        |

# MANUFACTURERS' IDENTIFICATION SYMBOLS

Complying with Ordnance Department specifications original manufacturer's name and model or part number is shown with the listing of each part that is not the exclusive product of the vehicle manufacturer.

| SYMBOL | MANUFACTURER                                     | ADDRESS  |
|--------|--|--|
| AC     | A. C. Spark Plug Division (General Motors Corp.) | 1300 N. Dort Hwy., Flint 2, Mich.                        |
| AB     | Aetna Ball Bearing Mfg. Co.                      | 4600 Schubert Ave., Chicago 39, Ill.                     |
| AN     | Ainsworth Mfg. Corp.                             | 2200 Franklin St., Detroit 7, Mich.                      |
| AD     | Alemite Div. (Stewart-Warner Corp.)              | 1826 Diversey Pkwy., Chicago 14, Ill.                    |
| BA     | Bassick Co. (The)                                | 38 Austin St., Bridgeport 2, Conn.                       |
| BX     | Bendix Products Div.                             | 401 Bendix Drive, South Bend 20, Ind.                    |
| BT     | Bingham Stamping & Tool Div. (Logan Gear Co.)    | Toledo 6, Ohio   |
| BM     | Blood Bros. Machine Co.                          | 1 Glass St., Allegan, Mich.                              |
| B & B  | Borg & Beck, Div. (Borg-Warner Corp.)            | 6358 S. Menard Ave., Chicago 38, Ill.                    |
| BOW    | Bower Roller Bearing Co.                         | 3040 Hart Ave., Detroit 14, Mich.                        |
| BRA    | Braden Winch Co.                                 | 1001 E. Admiral Blvd., Tulsa 3, Okla.                    |
| BW     | Budd Wheel Company                               | 12141 Charlevoix, Detroit 14, Mich.                      |
| CAR    | Carter Carburetor Corp.                          | 2820-36 N. Spring Ave., P. O. Box 2425, St. Louis 7, Mo. |
| CM     | Chicago Rawhide Mfg. Co. (The)                   | 1301 Elston Ave., Chicago 22, Ill.                       |
| CC     | Chrysler Corp.                                   | 341 Mass. Ave., Highland Park, Detroit 3, Mich.          |
| CE     | Clark Equipment Co.                              | Buchanan, Mich.  |
| CSP    | Cleveland Steel Products Corp.                   | 7306 Madison Ave., Cleveland 2, Ohio                     |
| CL     | Clum Mfg. Co.                                    | 601 W. National Ave., Milwaukee 4, Wis.                  |
| HC     | Cole-Hersee Co.                                  | 54 Old Colony Ave., So. Boston 27, Mass.                 |
| CB     | Corcoran-Brown Lamp Co.                          | 4900 Spring Gr. Ave., Cincinnati 32, Ohio                |
| DP     | Delco Products Div. (General Motors Corp.)       | 329 E. 1st St., Dayton 1, Ohio                           |
| DH     | Detroit Harvester Co.                            | 5450 W. Jefferson Ave., Detroit 9, Mich.                 |
| DST    | Detroit Steel Products Co.                       | 2250 E. Grand Blvd., Detroit 11, Mich.                   |
| DN     | Donaldson Co., Inc.                              | 666 Pelham St., St. Paul 4, Minn.                        |
| DM     | Douglas Mfg. Co., H. A.                          | Bronson, Mich.   |
| EAT    | Eaton Mfg. Co. (The)                             | 739 E. 140th St., Cleveland 10, Ohio                     |
| AL     | Electric Auto-Lite Co.                           | Main Post Office Box 931, Toledo 1, Ohio                 |
| FL     | Fulton Company                                   | 1912 S. 82nd St., Milwaukee 14, Wis.                     |
| GPC    | Garlock Packing Co. (The)                        | 114 Liberty St., New York 6, New York                    |
| GEM    | Gemmer Mfg. Co.                                  | 6400 Mt. Elliott Ave., Detroit 11, Mich.                 |
| GM     | General Motors Corp.                             | 3044 W. Grand Blvd., Detroit 2, Mich.                    |
| GRV    | Groov-Pin Corp.                                  | 2017 Kerrington Ave., Union City, N. J.                  |
| HI     | Hayes Industries Inc.                            | 437 Fern Ave., Jackson, Mich.                            |
| HLH    | Holland Hitch Co.                                | 153 W. 10th St., Holland, Michigan                       |
| HY     | Hyatt Bearings Div. (G. M. C.)                   | P. O. Box 71, Harrison, New Jersey                       |
| HYB    | Hydraulic Brake Co.                              | 4655 4th Ave., Detroit 1, Mich.                          |
| MRC    | Marlin-Rockwell Corp.                            | 402 Chandler St., Jamestown 55, N. Y.                    |
| MZ     | "Mazda"—General Electric Co.                     | Schenectady 5, N. Y.                                     |
| MCH    | Michigan Leather Products Co.                    | 6301 E. Lafayette Ave., Detroit 7, Mich.                 |
| ND     | New Departure Div. (General Motors Corp.)        | Bristol, Conn.   |
| NP     | New Process Gear, Inc.                           | 500 Plum St., Syracuse 1, N. Y.                          |
| NS     | Noblitt-Sparks Industries, Inc.                  | 13th & Big 4 R. R., Columbus, Ind.                       |
| PU     | Purolator Products, Inc.                         | 365 Frelinghuysen Ave., Newark 5, N. J.                  |
| RH     | Ryerson & Haynes, Inc.                           | 908 Fisher Bld., Detroit 2, Mich.                        |