

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

**FUNCTIONAL
GROUPING CODES:**

**COMBAT, TACTICAL,
AND SUPPORT VEHICLES
AND SPECIAL PURPOSE
EQUIPMENT**

This copy is a reprint which includes current pages from Change 5.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
MAY 1968**

CHANGE in force: C5

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

FUNCTIONAL GROUPING CODES COMBAT, TACTICAL,
AND SUPPORT VEHICLES AND SPECIAL PURPOSE
EQUIPMENT

Headquarters, Department of the Army, Washington, DC
27 June 1983

TB 750-93-1, 2 May 1968, is changed as follows:
Page 3, paragraph 6. The following group headings are changed to read:

08 Transfer, Final Drive, Planetary and Drop Gear Box Assemblies

09 Propeller, Propeller Shafts, Universal Joints, Coupler and Clamp Assembly

15 Frame, Towing Attachments, Drawbars and Articulation Systems

22 Body, Chassis and Hull Accessory Items

24 Hydraulic and Fluid Systems (Exclude systems and/or components located in other groups)

43 Gas, Air, and Vacuum Systems (Exclude brake system and/or systems/components located in other related groups)

52 Refrigeration, Air Conditioner/Heater and Air Conditioning Components

58 Sanitation and Fumigation Components (Also see Group 91)

62 Illuminating Equipment (Other than Electrical) (For electrical see Group 39)

Page 4, paragraph 6. The following group heading is changed to read:

84 Nuclear Power Plants

Page 7, Group 07, Transmission. The following subgroup information is changed to read:

NOTE

The following sub-groups, 0700 thru 0707, are for mechanical transmissions only, except for group 0705 which is applicable to all transmissions.

0705 Transmission Shifting Components: Include functional components located in the vehicle or on the transmission. Include hydraulic, air, and/or vacuum tubing and controls and all electrical contacts, switches, relays, connectors, and wiring directly associated with the transmission selection or shifting mechanism. List in-vehicle shift or selector levers: linkages and arms, and cantilevers and bell cranks used for selection or shifting.

0710 Transmission Assembly (Hydraulic), (Hydro-

Static), (Torquomatic), (Cross-drive), and Associated Parts:

Include input shaft, bearings, gears, intermediate planetary units, low planetary unit, reverse planetary unit, high planetary unit, high & low splitter planetary unit, out-put shaft, bearings and gears, parking brake, housing, covers, gaskets, mounts, lifting eyes, and plugs, etc. (To include torque converter and/or associated components when integral part of transmission)

0801 Power Transfer, Final Drive, Planetary or Drop Gear Box Assemblies.

Include cases, housing, carriers, caps, covers, input shafts, idler shafts, reduction gear shafts, transfer gear shafts, output shafts, main power shafts, power take-off shafts, countershafts, gasket sets, gaskets, shim sets, gears, gear clusters, bearings, retainers, spacers, seals, planetary units, final drives, mountings, brackets, breathers, filler pipes, plugs, pinions, balancing units and attaching parts, etc.

Page 8, paragraph 7. The following subgroup heading is changed to read:

0804 Lubrication, Cooling or Hydraulic Components and Servo Units.

Paragraph 7. Delete subgroup 0806 Servo Units

Paragraph 7. The following group and subgroup is changed to read:

0900 PROPELLER, PROPELLER SHAFTS, UNIVERSAL JOINTS, COUPLER AND CLAMP ASSEMBLY

0900 Propeller Shafts:

Include universal joints, pillow blocks, bearings, couplers and clamp assemblies, etc. (From poer unit to functional unit.)

Page 10, paragraph 7. The following group and subgroup is changed to read:

15 FRAME, TOWING ATTACHMENTS, DRAWBARS, AND ARTICULATION SYSTEMS

1503 Pintles and Towing Attachments:

Includes drawbars, lunettes, articulation joint assemblies, etc.

*This change supersedes C4, 21 September 1976.

Page 11, paragraph 7. The following subgroups are changed to read:

1802 Fenders, Running Boards with Mounting and Attaching Parts, Outriggers, Windshield, Glass, Etc. Exclude Items in Group 21.

1812 Special Purpose Bodies:

Include medical van, shop van, wrecker, rolling wheel type liquid transporter, power receptacles, post hole digger, telephone maintenance, heating units (other than personnel or winterization heaters), etc., and all parts peculiar to special bodies.

Page 12, paragraph 7. The following group and subgroup are changed to read:

22 BODY, CHASSIS, AND HULL ACCESSORY ITEMS

2202 ACCESSORY ITEMS: Include mirrors, reflectors, defrosters, wipers, horns, intercom devices, personnel heaters and mounted accessories, including all components. (Do not reference components to other indexes.) Include fuel, water, air gas, or liquid transfer hose assemblies, etc., when mounted on cable reels and unmounted accessories such as hoses or cables externally connected and readily coupled or uncoupled, etc.

Page 12, Paragraph 7. Group 24 is superseded as follows:

24 HYDRAULIC AND FLUID SYSTEMS (Exclude systems and/or components located in other groups)

NOTE

For hydraulic steering system, refer to group 14 2400 Hydraulic and Fluids Systems (Complete Assembly)

(insert applicable nomenclature, and use following Indexes for subassembly breakdown)

2401 Pump and Motor:

Include pump drive, pump drive universal joint, motor, accumulator, etc.

2402 Manifold and/or Control Valves:

Include relief valves, check valves, regulating feed valves and mounting parts, etc.

2403 Hydraulic Controls and/or Manual Controls:

Include linkage, hydraulic clutch controls and accumulators, etc.

2404 Tilt Cylinders and Tilt Crank

2405 Mast Column:

Include lift cylinder, lift carriage forks, lift chain, etc.

2406 Strainers, Filters, Lines and Fittings, etc.

2407 Hydraulic Cylinders.

2408 Liquid Tanks or Reservoirs.

Page 13, paragraph 7. The following groups and subgroups are added:

31 BASIC ISSUE ITEMS, MANUFACTURER INSTALLED

3100 Basic Issue Items, Manufacturer or Depot Installed. (This group to be used for identification and initial provisioning purposes only.)

32 BASIC ISSUE ITEMS, TROOP INSTALLED

3200 Basic Issue Items, Troop Installed or Authorized. (This group to be used for identification and initial provisioning purposes only.)

Page 13, paragraph 7. The following subgroup is changed to read:

3401 Primary Armament:

Includes repair parts for guns, howitzers, mortars, launchers, recoilless rifles, related mounts, coaxial machine gun mounts, remote gun stations, manual or automatic loaders and main gun scavenging system.

Page 16, paragraph 7. Group 43 is superseded as follows:

43 GAS, AIR, AND VACUUM SYSTEMS (Exclude Brake System) Delete Functional Groups 4300 thru 4309.

4315 Gas, Air, or Vacuum System:

Include tent, shelter, or balloon inflators, etc.

Use following indexes, as applicable, for breakdown.

4316 Assembled Hose, Fitting, Liners, Breathers, Filters and Traps:

(For accessory hose, see group 22)

4317 Manifold and/or Control Valves:

Include relief valves, relay valves, check valves, mounting parts, etc.

4318 Cylinders Assemblies:

Include diaphragms, chambers, cylinders, etc.

4319 Pumps and Pump Drives: (For compressor units, see group 50).

4320 Manual Controls:

Include linkage.

4321 Tanks or Reservoirs

4322 Air Flotation System:

For flitable vehicles

4323 Air Pressurization System:

For vehicles equipped with front axle steering knuckle boot.

Page 16, paragraph 7. Add the following subgroup:

4325 Equipment Component Vent System Include hoses, lines, fittings, valves, manifolds, filters, etc. (Exclude breather and relief valves that are not a part of the common vent system, or located in the component related groups/subgroups.)

Page 18, paragraph 7. Group 5 is superseded as follows:

52 REFRIGERATION, AIR CONDITIONER HEATER, AND AIR CONDITIONING COMPONENTS

5200 Air conditioner/heater assembly and gas compressor assembly.

Page 35, paragraph 7. The following group is added:

90 MAINTENANCE AND OPERATING SUPPLIES:

Include petroleum products, minerals, chemicals, gages, abrasives, etc., required for operation and maintenance of the equipment.

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

Distribution:

To be distributed in accordance with DA Form 12-38, Organizational Maintenance requirements for 1/4-Ton Truck Utility:
1/4 Ton, 4x4, M151, A1 & A2 Utility w/106mm Recoilless Rifle: M151A1C; M825 Ambulance: M718 & A1, one copy to
each account.

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DEPARTMENT OF THE ARMY
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**FUNCTIONAL GROUPING CODES:
COMBAT, TACTICAL, AND SUPPORT VEHICLES
AND SPECIAL PURPOSE EQUIPMENT**

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Section I. GENERAL

1. Purpose. This bulletin provides Functional Grouping Codes to identify items of materiel for combat, tactical, and support vehicles and special purpose equipment. These codes will be used as identifying elements in Department of the Army equipment publications for the identification of materiel on which inspection, maintenance and/or service is required. Their use is intended primarily for repair parts list and maintenance allocation charts.

2. Scope. The functional group codes are applicable to all equipments logistically assigned to elements of the ITS. Army Materiel Command. They include items such as combat, tactical, and special purpose vehicles, mapping and geodesic equipment, electric power generation equipment, construction and services equipment, barrier equipment (including mine warfare and demolition), bridging and stream crossing equipment, petroleum handling and dispensing

equipment, general support equipment and supplies (fire fighting, industrial engines, heating and air conditioning, water purification, materials handling, woodworking field and garrison), CBR equipment, and other similar items.

3. Definitions. The following definitions apply to terms used in this bulletin:

a. Component. A group of physically connected assemblies and/or parts which are capable of independent operation or may be externally controlled and may derive their power from another source. When combined with other components, assemblies, and/or parts, they form a subsystem or end item.

b. Functional Group Code. A standardized system to index materiel for ready identification. The basic or two-digit code identifies the major assembly, and the next two digits identify the subassembly and/or part within the major assembly.

***This publication supersedes TB750-93-1, dated 16 July 1964, including all Changes.**

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Example: Code 01 identifies an engine assembly and Code 0102 identifies the crankshaft and related parts within the engine assembly.

4. General. The grouping of items is functional insofar as practicable. Only a minor portion of the groupings are based on location or application for reasons considered unavoidable. It is essential that such groupings be kept to an absolute minimum. The use of miscellaneous categories has been avoided wherever possible. In establishing the basic groups (two-digit numbers), the grouping previously used by former technical services has been followed as closely as possible. By this method, the various groups such as 01-Engine, 07-Transmission, 12-Brakes, etc., are standardized and will be universally recognized by the man in the field, regardless of the branch of service. Due to the diversity of equipment, other basic groups have been added, some of which apply to items which are peculiar to individual equipment of the former technical services.

5. Instructions. a. When the title of a respective group includes several items, select only those items for the final title which apply to the equipment being covered.

b. Additional unspecified items may belong in any given group, if functionally associated with the item names or if they are merely different names of the same parts.

c. The subgroups following each respective group in the index are considered adequate, and change will not be made without prior approval. Request for additions will be forwarded on DA Form 2028 directly to Commanding General, U.S. Army Tank Automotive Command, ATTN: AMSTA-TP, Warren, Mich. 48090.

d. Where a main or subgroup covers several variations of like equipment, the insertion of the item name in lieu of the words "Major Assemblage" is intended. In the subgroup entries following these insertions, only those applicable to the inserted name will be used for coverage of the major assemblage breakdown.

e. The descriptive nomenclature following many of the functional group codes uses the phrase "et cetera (etc)." This is intended to cover any items or accessories that are not otherwise specifically listed therein, which normally would belong under that index title. It is also intended to cover future items that may come into the Army Materiel Command area of responsibility and minimize requests for minor changes to the functional group codes. Addition to descriptive nomenclature may be made at the discretion of the user upon the introduction of materiel not previously covered. The added materiel must be functionally related to the subgroup. In this case, prior approval is not required, since the numerical designators are not affected.

Section II. COMPONENT FUNCTIONAL GROUP CODE NUMBERING SYSTEM

6. Component Functional Group Code Index.

01	Engine	42	engine accessories) Electrical Equipment (Not contained in other functional groups)
02	Clutch	43	Hydraulic, Fluid, Air, and Vacuum Systems (Exclude brake system)
03	Fuel System	44	Office Machinery, Equipment, and Furniture (Include household furniture)
04	Exhaust System	45	Office Machinery, Equipment, and (Furniture (Include household furniture)
05	Cooling System	46	Repair Equipment (Shoes, clothing, textile)
06	Electrical System (Engine and vehicular, etc.	47	Gages (Non-Electrical), Weighing and Measuring Devices
07	Transmission	48	Food Preparation Equipment (Mobile and field)
08	Transfer Assembly	50	Pneumatic Equipment (Air compressors, pneumatic motors, etc.
09	Propeller and Propeller Shafts	51	Water Purification System
10	Front Axle	52	Refrigeration and Air Conditioning Components
11	Rear Axle	53	Laundry Equipment
12	Brakes (Other than special purpose)	54	Tentage, Equipage, and Special Purpose Clothing Components
13	Wheels and Tracks	55	Pumps (Exclude engine and special pumps). (See group 2205 for bilge pumps)
14	Steering	56	Filters, Separators, and Purifiers
15	Frame, Towing Attachments, and Drawbar	57	Spray Equipment Components
16	Springs and Shock Absorbers	58	Sanitation and Fumigation Equipment Components
17	Railway Car Body and Underframe	59	Water Supply System
18	Body, Cab, Hood, and Hull	60	Steam Boilers, Water Heaters, Heating Units, Burners (Exclude heaters in groups 22, 33, and 59)
19	Turret	61	Gas Generating Equipment Components
20	Hoist, Winch, Capstan, Windlase, Power Control Unit, and Power-Take-Offs	62	Illuminating Equipment (Other than electrical)
21	Bumpers, Guards, and Marine Fenders	63	Control Panels and Control Compartments
22	Body, Chassis or Hull, and Assembly Items	64	Ventilating Fans and blowers (Special purpose)
24	Hydraulic Lift components (Exclude tractor, bulldozer lifts)	65	Reproduction Equipment Components
26	Tools and Test Equipment	67	Precision Instruments and Systems, Mechanical, Electrical, or Electronic (See group 34 for fire control) (See group 34 for fire control)
29	Auxiliary Generator and Engine and controls (Special purpose)		
30	Elevators, Special Purpose (Hydraulically operated)		
33	Special Purpose Kits		
34	Armament and Sighting and Fire Control (Electric/Electronic) Materiel		
35	Pulleys, Belts, Shafts (Not related to other functional groups)		
39	Search light and Electrical Illuminating Equipment		
40	Electric Motors and Generators (Other than		

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- 68 Warning, Scanning, and Signaling Devices and Navigational Instruments (Land, air, and water)
- 69 Sawmill Components
- 70 Machine Tools and Related Equipment
- 71 Snow Removal, Mowing, and Sweeping Equipment Components
- 72 Dispensing and Servicing Equipment Components
- 73 Concrete and Asphalt Equipment Components (Mixers, pavers, spreaders, duct collectors, finishers, etc.)
- 74 Crane, Shovels, and Earth Moving Equipment Components
- 75 Conveying, Feeding, Crushing, Screening, and Washing Equipment Components
- 76 Fire Fighting Equipment Components
- 77 Musical and Tonal Instruments
- 80 Storage Equipment Components
- 84 Nuclear Components (Primary system)
- 85 Nuclear Components (Secondary system)
- 86 Nuclear Components (System controls and instrumentation)
- 87 Nuclear Components (Auxiliary equipment and plant accessories)
- 90 Maintenance and Operating Supplies
- 91 Chemical, Biological, and Radiological (CBR) Equipment
- 95 General Use Standardized Parts
- 99 Parts Peculiar

- 0102 Crankshaft:
Include bearings, balancers or dampers, drive pulleys when on crankshaft, cranksaw, oil slingers, thrust washers, oil seals, and miscellaneous hardware.
- 0103 Flywheel Assembly:
Include ring gear, rear end plate housing, and miscellaneous parts, etc.
- 0104 Pistons, Connecting Rods:
Include bearings, pins, rings, retainers, etc.
- 0105 Valves, Camshafts, and Timing System:
Include rocker arm, push rods, shafts, lifters, springs, guides, seats, covers, gaskets, adjusting screws, tappets, bearings, cam rings, thrust washers, camshaft drive, timing gears, chains, sprockets. etc.
- 0106 Engine Lubrication System:
Include oil pumps, scavenger pumps, relief valves, oil filters, oil coolers, pressure regulators, breathers, fillers, oil pan, gaskets, tanks, lines, fittings, level gages, oil temperature controls, etc.
- 0107 Engine Starting Systems (Other than electric)
Include hand cranking devices, air motors, valves, air distributor, tanks, lines, filters, fittings, traps, levers, shafts, cams, etc.
- 0108 Manifolds:
Include intake and exhaust manifolds, heat controls, gasket, etc.
- 0109 Accessory Driving Mechanisms:
Include accessory drive, gears, shafts, quills, bearings, retainers and fan drive, when a part of accessory drive.
- 0110 Diesel Starting Controls and Conversion Units:
Include valves, guides, springs, retainers, levers, seals, gears, brackets, magneto grounding controls, carburetor controls, manifold controls, primer, governor control

7. Component Functional Group Codes.

- 01 ENGINE
- 0100 Engine Assembly:
Internal combustion (Starting engine included) attaching parts, mounting, lifting eyes, brackets, gasket sets, when supplied by the manufacturer, etc., for diesel engines as well as starting engines will be listed in this group.
Note. For Gas or Steam Turbine engines, group 0120 through 0127
- 0101 Crankcase, Block, Cylinder Head:

- and automatic trip mechanism, tanks, lines, fittings, filters, strainers, cranking devices, etc.
- 0111 Bearings, Shafts:
Include couplings, cross drives, belts, transfer gears, chains etc. (Item used to change speed and/or move power to a different level.)
- 0112 Engine Brake:
Include bands, linings, controls and related parts, etc.
- 0120 Engine Assembly, Gas or Steam Turbine
- 0121 Compressor Assembly: (Including compressor and housing)
Compressor Housing: Includes inlet air ducts, screens, air plenum, diffuser, deswirl assemblies and miscellaneous parts.
Compressor: Includes radial or axial impellers, shafts, quills, bearings, oil slingers, oil and air seals, bleed valves, and miscellaneous parts, etc.
- 0122 Combustion Assembly:
Include turbine plenum, flame tube and cap assembly, torus or exhaust shroud, muffler and miscellaneous hardware, etc.
- 0123 Turbine Assembly:
Include turbine wheel shaft, quills, bearings, bearing housing, seals, nozzle box assembly and miscellaneous parts, etc.
- 0124 Regenerator Assembly:
Include regenerators, seals, regenerator drive, shaft assemblies, bearings and miscellaneous items, etc.
- 0125 Accessory Drive Assembly:
Include housing, gears, bearings, quills, seals and miscellaneous parts, etc.
- 0126 Fuel or Steam Control:
Include fuel pump, fuel governor, fuel scheduling valve, fuel filter, fuel nozzles or atomizers, fuel boost pump, fuel tank, lines, fittings, shutoff valves, drain valves, throttle control and hydraulic governor, and miscellaneous parts, etc.
- 0127 Lubricating System:
Include oil tank assembly, oil pump assembly, filter, gas separators, relief valves, lines, fittings, oil cooler assembly and miscellaneous parts, etc.
- 02 CLUTCH
- Note. Special clutches or special design combination clutch and brake will usually be listed in group with which they are associated. This will aid in preventing losing identity of component parts of same.**
- 0200 Clutch Assembly:
Include clutch assembly, housing and clutch drive ring gear when not furnished as part of clutch assembly and is bolted to engine flywheel. List attaching hardware, and disks, pressure and driving plates, facings, linings, hubs, springs, bearings, spindles or shafts, carriers, pilot bearings, etc.
- 0202 Clutch Release Mechanism:
Include yokes, fork bearings, pedals and pedal linkage, cross shafts, boosters, bearing lubricating items etc.
Note: Do not include parts beyond throwout bearing or collar.
- 0203 Fluid Coupling, Torque Converter:
(Torque Converter with separate unit) Include converter output, flywheel, pilot cooler, gage, bearings, hub disk, shaft stator gears, turbine, etc.
- 0204 Clutch Cooling:
Include hose, lines, fittings, etc.
- 0205 Clutch Coupling: (Mechanical only)
- 0206 Clutch Brake: (Use only when a part of master or primary clutch.)
- 0207 Hydraulic Clutch System:
Include master cylinder, slave cylinder, lines, fittings, hoses, clips, etc.
- 03 FUEL SYSTEM
- 0301 Carburetor, Fuel Injector:
Include nozzle, clamp, stud, tube, sealing, overhaul kits, etc.
- 0302 Fuel Pumps:
Include transfer pumps, injector pumps, diesel fuel pumps, gasoline fuel pumps, lines, fittings, relief valves, drive forks, etc.
- 0304 Air Cleaner:
Include pipes, hoses, clamp, etc.

- 0305 Supercharger, Blower, Turbocharger or Altitude Compensator:
Include air intake manifold, piping, silencer, etc.
- 0306 Tanks, Lines, Fittings, Headers:
Include shutoff valves, controls, lines and fuel manifolds, (high and low pressure).
- 0307 Fuel Oil Wedge:
Include pin, etc.
- 0308 Engine Speed Governor and Controls:
Include governor assembly, connecting rod or link, governor drive, controls, etc.
- 0309 Fuel Filters:
Include fuel filters, strainers, etc.
- 0311 Engine Starting Aids:
Include pumps, air heaters, flame primer, lines, fittings, glow plug, wiring, gaskets, etc.
- 0312 Accelerator, Throttle or Choke Controls
- 04 EXHAUST SYSTEM
- 0401 Muffler and Pipes:
Include muffler, exhaust and tail pipes, shields, brackets or clamps, insulation, etc.
- 05 COOLING SYSTEM
- 0501 Radiator, Evaporative Cooler, or Heat Exchanger:
Include radiator, shell core, expansion tanks, evaporative cooler assembly, caps, grilles, shutters, shutter thermostats, mountings, braces, electrodes, controls. sprays, etc.
- 0502 Cowling, Deflectors, Air Ducts, Shrouds, etc.
- 0503 Water Manifold, Headers, Thermostats and Housing Gasket:
Include lines, fittings, hoses, pipes, clamps, etc.
- 0504 Water Pump:
Include fresh water pump assembly, raw water pump assembly, overhaul kit, packing, gaskets, seals, drive, lines, hoses, pipes, clamps, etc.
- 0505 Fan Assembly:
Include fan, drive belts, pulleys, guards, hydraulic motor, etc.
- 0507 Auxiliary Cooling
- 0508 Water Filter
- 0509 Keel Cooler:
Includes lines, etc.
- 06 ELECTRICAL SYSTEM (Engine and Vehicular, etc.)
Note. All storage batteries will be covered in this group except electronic system batteries (For electronics system. see group 67.)
- 0601 Generator, Alternator:
Include special drive, mounting, attaching parts, repair kits, etc.
- 0602 Generator Regulator (Voltage).
- 0603 Starting Motor:
Include mounting, attaching parts, solenoids, relays, wiring, switches, (other than instrument panel).
- 0605 Ignition Components:
Include distributor, magneto, booster coil, ignition coil, wiring, spark plugs, igniter coil, igniter plug, igniter wiring, etc.
- 0606 Engine Safety Controls:
Automatic safety devices; include solenoids, circuit breakers, switches, overspeed governor, pressure switches, etc.
- 0607 Instrument or Engine Control Panel:
Include wiring, instruments, switches, circuit breakers, lights and lamps etc gages-electrical only (Include electric hourmeter and tachometer.) (For other gages see Group 47.) (See 0610 for sending units.)
- 0608 Miscellaneous Items
Include light switches, fuses, terminal and junction boxes, etc. (Items not otherwise accounted for.)
- 0609 Lights:
Include head, tail, marker lights, lamps, lamp units, and any other additional lights, etc.
- 0610 Sending Units and Warning Switches:
- 0611 Horn, Siren:
Include button and related switches, etc.
- 0612 Batteries, Storage (Wet or Dry):
Include hangers, boxes, cables, etc. (Include only cables directly connected to battery.) (Do not include electronic system batteries.)

- electronic system batteries.) (For A or B type batteries, see group 67).
- 0613 Hull or Chassis Wiring Harness:
Include trailer couplings and intervehicular connectors. (Electrical only).
- 0614 Turret Slip Ring Box
- 0615 Radio Interference Suppression:
(Do not include capacitors or ground straps unless specifically related to radio suppression). Exclude like items in group 40.
- 0616 Ventilating Equipment
- 0618 Turret Terminal and Junction Boxes and Switches:
Include control boxes, accessory panels and safety panels, wiring harness, etc.
- 0619 Turret Cubicle Assembly:
Include signal generator, traversing generator-elevating generator amplifier, accessory box, switches and controls, etc.
- 0620 Turret Wiring Tiring Harness
- 07 TRANSMISSION
Note: The following sub-groups 0700 thru 0709 are for the regular Mechanical Transmissions only.
- 0700 Transmission Assembly (dill and/or secondary
Include transmission case, gasket sets, shim sets, mountings brackets, filler pipes, plugs, covers.
- 0701 Transmission Shafts:
Include input shaft, output shaft, main shaft, idler shaft counter shafts, power-take-off shaft, gears, bearings, gaskets, seals, retainers, spacers, etc.
- 0702 Opposed Output:
Include differential, gears, pinions, shafts, carrier, idlers, covers, retainers, gaskets, etc. (Primarily for use where transmission and differential are combined in a single case, but also applies to opposed output where no differential is involved).
- 0703 Transmission Clutch and Clutch Controls:
(When an integral part of the transmission)
- 0704 Transmission Top Cover Assembly:
- 0705 Gear Shift, Vacuum Booster and Controls
- 0707 Transmission Brake
- 0708 Torque Converter or Fluid Coupling:
(When component of Transmission) (Include lines and fittings.)
- 0710 Transmission Assembly (Hydraulic), (Hydramatic), (Hydro-Static), (Torquomatic), (Allison), and Associated Parts:
Include input shaft, bearings, gears, intermediate planetary units, low planetary unit, reverse planetary unit, high planetary unit, high and low splitter planetary unit, output shaft, bearings and gears, parking brake, housing, covers, gaskets and plugs, etc. (See group 0708 for torque converter and components).
- 0713 Intermediate Clutch:
Include Torquomatic brake or retarder, low clutch, high clutch, reverse clutch, high and low splitter clutch.
- 0714 Serve Unit:
Include servo bands, governor, front servo, rear servo control valves, vacuum lines, main control valves and related parts.
- 0719 Reduction or Transfer Gears, Shafts, and Bearings
- 0720 Accessory Drive
- 0721 Coolers, Pumps, Motors:
Include pumps, filters, coolers, pressure regulators, relief valves, blowers, breathers, vents, pipes, lines, fittings, sending units. etc.
- 0722 Pump Manifold
- 0723 Power Gear Train
- 0724 Clutch Pack of Steering Clutch:
Include all components.
- 0725 Idler Gears
- 0726 Brakes, (Special)
- 08 TRANSFER AND FINAL DRIVE ASSEMBLIES
- 0801 Power Transfer and Final Drive Assemblies:
- Include shifter shafts, forks, levers, control shafts, rods, U-joints, bell cranks, housings, etc.

- Include transfer case, gasket sets, shim sets, mountings, brackets, filler pipes, plugs, covers, input shafts, idler shafts, reduction gear shafts, transfer gear shafts, output shaft, main shaft, power take-off shaft, gaskets, gears, bearings, covers, retainers, spacers, countershafts planetary units, final drive, etc.
- 0802 Clutch and Clutch Controls:
 - Include all clutch components.
- 0803 Gear Shift, Vacuum Booster and Controls:
 - Include levers, shafts, yokes, forks, seals, covers, boosters, controls, etc.
- 0804 Lubrication, Cooling, or Hydraulic Components:
 - Include oil pumps, oil filters, oil coolers, oil pressure regulators, relief valves, breathers, blowers, lines, fittings, etc.
- 0805 Brakes (Special)
- 0806 Servo Units
- 0807 Right Angle Drive Assembly Components
- 0820 Hydramatic Transfer Assembly
- 09 PROPELLER AND PROPELLER SHAFTS
- 0900 Propeller Shafts:
 - Include universal joints, assemblies, pillow blocks, bearings, etc. (From power unit to functional unit).
- 0901 Propeller Shaft, Bearings, and Propeller: (Marine)
 - Include stuffing box, stern tube and/or strut bearings, universal joint assemblies, propellers, seals, pillow blocks, etc.
- 10 FRONT AXLE
- 1000 Front Axle Assembly:
 - Include axle, tongue, drawbar, lunette, beam, housing, gears, covers, seals, plugs, breathers, shafts, sprockets, chains, bearings, retainers, gasket sets, etc.
- 1002 Differential:
 - Include gears, pinions, shafts, carriers, bearings, gaskets, cages, seals, caps, companion flanges or yokes, etc.
- 1003 Planetary or Final Drive:
 - Include housings, carriers, caps, shafts, gears, seals, bearings, etc.
- 1004 Steering and Leaning Wheel Mechanism:
 - Include knuckles, arms, flanges, pins, seals, gaskets, bearings, Shim, shafts, universals, gears, etc. (Include all drive parts up to power control unit. Hydraulic motor or cylinder. If manually operated, include all drive parts and controls).
- 1005 Caster Forks:
 - Include axles, bearings, seals. etc.
- 11 REAR AXLE
- 1100 Rear Axle Assembly:
 - Include complete rear bogie, tandem axle, attaching parts, mountings, breathers, gasket sets, shafts, gears, sprockets, bearings, gaskets, chains, seals, retainers, spacers, etc.
- 1101 Housing, Beam, Housing Covers, Plugs, Seals, etc.
 - Include planetary final drive housings.
- 1102 Differential:
 - Include gears, pinions, shafts, carriers, bearings, gaskets, cages, seals, caps, companion flanges or yokes, pumps, relief valves, coolers, blowers, regulators, oil sump, oil pressure regulator, universal joints and propeller shafts, etc.
- 1103 Planetary or Final Drive:
 - Include housings, carriers, caps, covers, shafts, gears, bearings, seals, planetary, mountings, brackets, attaching parts, breathers, fillers, pinions, carriers, balancing units, gear clusters, etc.
- 1104 Steering, Sideshift and Wheel Leaning Mechanism:
 - Include knuckles, arms, flanges, pins, seals, gaskets, bearings, shims, etc. (Include all drive parts to power control unit), hydraulic motor or cylinder. If manually operated, include all drive parts and controls.
- 1105 Tandem Drive Assembly:
 - Include case, gasket sets, shim sets, filler pipes, breathers, plugs, covers.

- 1107 Caster Forks:
Include axles, bearings, seals, etc.
- 1108 Walking Beams, Stub Axles and Parts:
Applies to those parts commonly used with tandem wheels where there is no through axle to support the weight.
Note. The following groups are to be used only for those vehicles having controlled differentials and/or final drive.
- 1124 Steering Brakes, Differential and Planetary Drive:
Include all component parts.
- 1130 Column and Wheel Drive Assembly:
Include lever pivot bearing assembly.
- 12 BRAKES (Other than special purpose)
Note. Special purpose brakes or combination of brakes and clutch are to be listed in groups with which they are associated.
- 1201 Hand Brakes:
Include shoes or bands, facings, supports, anchors, levers, springs, adjusting parts; all and only those parts peculiar to the hand brakes (emergency and parking) system as different from the service brakes.
- 1202 Service Brakes:
Include shoes, facings, supports, guides, anchors, springs, adjusting parts, cams, camshaft, cam shoes, flange plates, etc. (Parts listed are normally found in all types of brake systems, hydraulic, air and electrical). Exclude linkage and controls.
- 1204 Hydraulic Brake System:
Includes master cylinders, power clusters, wheel cylinders, lines, fittings, hoses, clips, etc.
- 1205 Vacuum System Components:
Include vacuum booster lines, fittings, etc.
- 1206 Mechanical Brake System:
Include rods, cables, brackets, cross shafts, pedal, slack adjusters, etc. (List all parts and controls peculiar to mechanical brakes; also mechanical parts of air, vacuum, hydraulic and electric brakes).
- 1207 Electrical Brake System:
Include cables, connectors, switches, magnets, etc. (Parts and electrical controls peculiar to electric brakes, etc.).
- 1208 Air Brake System:
Include brake chambers, diaphragms, valves, filters, air reservoir, lines, hoses, fittings, etc.
- 1209 Air Compressor Assembly:
Include governor and related parts.
Note. (Refer to Group 50 for breakdown)
- 1211 Trailer Brake Connections and Controls:
Include all items on tractor for operation of trailer brakes. (Exclude electrical couplings).
- 13 WHEELS AND TRACKS
- 1301 Suspension Assembly:
Include track frame torsion bars, hydropneumatic wheel suspension and components.
- 1302 Track Support Rollers and Brackets:
- 1303 Track Idlers and Brackets:
Include track tension parts, compensating wheels, etc.
- 1304 Track Drive Sprockets:
Include hubs, drums, bearings, seals, etc.
- 1305 Track Assembly:
Include links, pins, pads, nuts, bolts, etc.
- 1311 Wheel Assembly:
Include nuts, studs, wheel rings, bead locks, bearings, seals, hubs, drums, tire inflation hub device, fittings and lines.
- 1313 Tires, Tubes, Tire Chains
- 14 STEERING
- 1401 Mechanical Steering Gear Assembly: (Tractors, tanks, etc.)
Include steering wheel, steering levers, steering column, gears, drag links, tie rods, bellcranks, grease fittings, jackshaft box assembly bushings, seals, etc.
- 1402 Tractor Hitch Steering
- 1403 Steering Brakes:
Include clutches, linkage, hand and/or foot controls, etc. (For differential steering brakes, see group 1124).

- 1404 Chains, Sprocket. Shafts, Gears, Housings
- 1405 Steering Yokes: (As used on rollers, tractors, etc.)
 - Include brackets, bushings, bearings, caps, swivel pins, king pins, collars, etc.
- 1406 Marine Steering:
 - Include steering gear assembly, motor assembly, motor control assembly. brake assembly, clutch assembly, steering stand assembly, miter gear boxes, shafting, universal joints, couplings, bearing hanger, bearings, cable, chain, etc.
- 1407 Power Steering Gear Assembly:
- 1410 Hydraulic Pump or Fluid Motor Assembly:
 - Include pump drive, brackets, mounting parts, etc.
- 1411 Hoses, Lines, Fittings
- 1412 Hydraulic or Air Cylinders
- 1413 Tanks, Reservoirs
- 1414 Steering System Valves:
 - Include steering valves, relief valves, etc.
- 1415 Remote (Control Devices: (Steering)
- 15 FRAME, TOWING ATTACHMENTS, AND DRAWBARS
- 1501 Frame Assembly:
 - Include platforms, superstructures, ramps, catwalks, bumpers, ladder guards, rollers, brackets, hangers, attaching parts, etc.
- 1502 Counterweights
- 1503 Pintles and Towing Attachments:
 - Include drawbars, lunettes, etc.
- 1504 Spare Wheel Carrier and Tire Lock
- 1505 Bridge Launching and retrieving Components
- 1506 Fifth Wheel
- 1507 Landing Gear, Leveling Jacks: (Mechanical or Hydraulic)
 - Include support legs, frame supports, etc.
- 1508 Bridging Equipment
- 16 SPRINGS AND SHOCK ABSORBERS
- 1601 Springs:
 - Include main springs, front springs, rear springs, auxiliary springs, overload springs, helper springs, roadwheel arm bumper springs, spring bumpers, shackles, attaching parts, etc.
- 1604 Shock Absorber Equipment:
 - Include shock absorbers, snubbers, etc.
- 1605 Torque, Radius, and Stabilizer Rods
- 17 RAILWAY CAR BODY AND UNDERFRAME
- 1701 Carbody and Frame Attachments:
 - Include tipping blocks, hand holds, grab irons, sill steps, etc.
- 1705 Coupler, Buffer, and Draft Gear
- 1706 Foundation Brake:
 - Include bushings, keys, pins, rods, brake shoes, etc.
- 1707 Car Propelling. Crank Assembly, Axle Drive:
 - Include bearings, bearing caps, gear shafts, nuts, washers, etc.
- 1708 Traction Transmission Assembly:
 - Include gears, pinions, etc.
- 1710 Truck Assembly:
 - Include bolster, frame, springs, motor suspension, journal box, wheel, axel, truss rod, bearings, dust guard, lid packing, hearing wedges, etc.
- 1715 Outrigger
- 1717 Rail Clamps (Used for tiedown of car body to rail)
- 18 BODY, CAB, HOOD AND HULL
- 1801 Body, Cab, Hood, and Hull Assemblies:
 - Include covers, doors, hatches, guards, pillars, sills, bulkhead molding, cowl, cowl ventilators, grommets, seals, gun tube travel lock and components, sandshield, splash plates, dash panels, engine side panels, hull panels, etc. Exclude items in subgroup 1810, 1811, 1812, and group 21.

- 1802 Fenders, Running Boards with mounting and attaching Parts, Windshield, Glass, etc. Exclude items in group 21.
- 1803 Driver's Hatches, Driver's Periscopes, etc.
- 1804 Drain Valves, Drain Plugs, etc.
- 1805 Floors, Subfloors, and related Components: exclude items in subgroups 1810, 1811, and 1812
- 1806 Upholstery Seats and Carpets:
Include trim and trim accessories, sun visors, crash pads, pads, etc.
- 1807 Ammunition Loading Devices
- 1808 Stowage Racks, Boxes, Straps, Carrying Cases, Cable Reels, Hose Reels, etc.
Include mounting and attaching parts.
- 1810 Cargo Body: (Dump, Stake, and Platform)
- 1811 Tank Bodies: (Gasoline, Water, etc.)
- 1812 Special Purpose Bodies:
Include medical, van shop, wrecker, rolling wheel type liquid transporter, power receptacles, heating units (other than personnel or winterization heaters) etc., and all parts peculiar to special bodies.
- 19 TURRET
- 1901 Turret Race, Traversing Locks:
Include crash pad, seats, machine gun mount stands, platform and basket, antenna mounting.
- 1902 Driver's Capsule:
Include basket, seat assembly, vision devices, controls, doors, seals, wiring harness, connectors, etc., not associated with other specific functional groups.
- 1903 Doors and Ports:
Include grommets, seals, locks, periscope mountings, gunner's sighting equipment, commander's cupola, ballistic shield, etc.
- 1904 Manual Traverse and Elevating Mechanism:
Include reservoir lines, hand drive, hydraulic motor and hydraulic pump, feed back and feed back controls, hand pump, cylinder exterior valves, booster pump and accumulator, gunner's control, commander's control, electric motors, gear boxes.
- 1905 Power Elevating and Traversing Mechanism:
Include hydraulic motors and adapters, hydraulic pumps, controls, reservoirs, lines, electric motors, etc.
- 1906 Interior and Exterior Stowage Racks, Boxes, and Straps
- 1907 Machine Gun Ammunition Box and Booster
- 1908 Electrically Operated Ammunition Hoist
- 1909 Rammer and Spade Hoist Motor:
Include controls, lines, fittings, etc.
- 1911 Stabilizers
- 1912 Automatic Loading Device:
Include motors, gearboxes, ports, hoses, fittings, mechanical devices, etc., not associated with other specific functional groups.
- 1913 Hydraulic Power Supply:
Include mechanical couplings, drives, pumps, and lines, fittings, valves, accumulators, and reservoirs, not associated with other specific functional groups.
- 20 HOIST, WINCH, CAPSTAN, WINDLASS, POWER CONTROL UNIT, AND POWER TAKE-OFF
- 2001 Hoist, Capstan, Windlass, Crane or Winch Assembly:
Include case, housing, filler pipes, vents or breathers, plugs, covers and related gaskets, bearings, drums, gears, shafts, blocks, cables, pulleys, external drives clutch and brake drums, controls, hydraulic motor and pump and component parts (when an integral part of hoists or winches).
- 2002 Power Control Unit Assembly:
Assembly case, filler pipes, vents or breathers, plugs, covers, gaskets, bearings, drums, gears, shafts, pulleys sprockets, belts, chains, universal joints, couplings, brackets, controls, etc.

- 2004 Power Take-Off Assembly: (Wrecker, Auxiliary Transmission, etc.)
Include case or housing, controls, gears, shafts, spindles, clutch, pulleys, sprockets, cable drums and related parts.
- 2005 Spade and Parts
- 2006 Bulldozer Tripod, Main Frame, Jack and Mounting:
Include hydraulic pump control valve, oil reservoir, lines and fittings, hydraulic jack support, guards and brackets, etc.
- 2007 Chain Hoist Assembly: (When an integral part of vehicle.)
Include hoist mounting frame and parts, snatch block, etc.
- 21 BUMPERS, GUARDS, AND MARINE FENDERS:
Note. Special usage type, not to be covered in subgroup 1801
- 2101 Bumpers, Brackets, Guards, and Protective Devices:
Note. These items are primarily for safeguarding operators against injury in combat/tactical vehicles, etc.
- 22 BODY CHASSIS OR HULL, AND ACCESSORY ITEMS
- 2201 Canvas, Rubber, or Plastic Items:
Include covers, curtains, shelters, tents, struts, base and erection support, etc.
- 2202 Accessory Items:
Include mirrors, reflectors, defrosters, wipers, horns, intercom devices, and mounted accessories, including all components. (Do not reference components to other indexes.) Include fuel, water, air, gas, or liquid transfer hose assemblies, etc., when mounted on cable reels, and unmounted accessories such as hoses, or cables externally connected, and readily coupled or uncoupled, etc.
- 2203 Tire Pumps:
Include power and hand pumps (For tent shelter or balloon inflation equipment, see group 43.)
- 2205 Bilge Pumps (Special application) (Not covered in group 55)
- 2207 Winterization Equipment (Standard vehicular type only, for special Winterization Kits, see group 33)
Include heating blankets and strips, and all items pertaining to winterization of the equipment, including equipment heater assemblies and components mounted in or on the end item. (Do not reference components to other indexes.) For all other heaters, see groups 2202 or 60.
- 2210 Data Plates and Instruction Holders:
Include caution plates, instruction plates, identification plates, shipping data plates, etc.
- 24 HYDRAULIC LIFT COMPONENTS (Exclude tractor bulldozer lifts)
- 2400 Major Assemblage: (Forklift, conveyor, etc.)
(Insert applicable nomenclature, and use indexes following for subassembly breakdown).
- 2401 Hydraulic Pump:
Include pump drive, pump drive universal joint, etc.
- 2402 Hydraulic Control Valve
- 2403 Hydraulic Control Levers and Linkage
- 2404 Hydraulic Tilt Cylinders and Tilt Crank
- 2405 Hydraulic Mast Column:
Include lift cylinder, life carriage forks, lift chain, etc.
- 2406 Hydraulic Lines and Fittings
- 26 TOOLS AND TEST EQUIPMENT
- 2604 Special Tools:
Include tools that are end item peculiar.
- 2606 Test Equipment:
(Hydrometers, thermometers, test tubes, scales and laboratory type test equipment, etc).
- 29 AUXILIARY GENERATOR AND ENGINE AND CONTROLS (Special purpose)
- 2901 Generator and Engine Assembly
- 2910 Engine Assembly
- 2911 Crankcase, Cylinder Sleeve, Cylinder Head and Block:
Include core and expansion plugs.

- 2912 Crankshaft:
Include bearings, balancer, fan drive pulley, crankjaw, oil slingers, thrust washers, oil seals, etc.
- 2913 Flywheel Assembly:
Include ring gear and rear end plate housing.
- 2914 Pistons and Connecting Rods:
Include bearings, rings, pins, retainers, etc.
- 2915 Valves, Camshaft, and Timing System:
Include rocker arms, push rods, shafts, lifters, springs, guides, seats, covers, gaskets, adjusting screws, tappets, bearings, cam rings, thrust washers, camshaft drive, timing gear, chains, sprockets, etc.
- 2916 Engine Lubrication System:
Include oil pumps, scavenger pumps, relief valves, oil filters, oil coolers, pressure regulators, breathers, fillers, oil pan, gaskets, tanks, lines, fittings, level gages, oil temperature controls, etc.
- 2917 Special Starting Devices
- 2918 Manifolds:
Include intake and exhaust manifolds, heat controls, gaskets, etc.
- 2919 Driving Mechanisms: (Multiple accessories)
Include accessory drive, gears, shafts, quills, bearings, retainers, and fan drive, etc.
- 2920 Engine Clutch Assembly and Housing
- 2921 Engine Clutch Disk
- 2922 Engine Carburetor
- 2932 Engine Fuel Pump
- 2933 Engine Air Cleaner
- 2934 Engine Supercharger or Blower
- 2935 Engine Fuel Tank
- 2936 Engine Speed Governor and Controls
- 2937 Engine Fuel Filter
- 2938 Engine Priming System, Lines and Pumps
- 2939 Engine Throttle and Choke Controls
- 2941 Engine Muffler, Exhaust and Tail Pipes
- 2942 Engine Exhaust Ducts
- 2951 Engine Radiator, Shell, Core, and Expansion Tank
- 2952 Engine Cowling Deflectors, Air Ducts, and Shrouds
- 2953 Engine Cooling System Lines
- 2954 Engine Water Pump
- 2955 Engine Fan, Fan Drive, Fan Belts, Fan Sending Units
- 2960 Generator
- 2961 Regulator
- 2962 Starter, Solenoids, Circuits Breakers, Wiring, and Switches
- 2963 Distributor of Magneto:
Include ignition system ventilating equipment and magneto booster coil.
- 2964 Ignition Coil:
Include wiring spark plugs and switches.
- 2967 Instrument Panel
- 2968 Switches, Circuit Breakers and Fuses
- 30 ELEVATORS, SPECIAL PURPOSE:
(Hydraulically operated)
- 3000 Hydraulic Elevator Assembly:
Include mounting parts, installation kits, etc.
- 3001 Equalizer Assembly:
Include pulleys and cables.
- 3002 Doors, Hinges, and Panels
- 3003 Chassis, Platform and Guide Rail Assembly
- 3006 Pedestals, Leveling Jacks
- 3007 Bar Assembly Locking
- 33 SPECIAL PURPOSE KITS
- 3301 Reusable Shipping Containers
- 3303 Winterization Kits: (Special purpose, not included in group 2207)
- 3305 Deep Water Fording Kits
- 3307 Special Purpose Kits
- 34 ARMAMENT AND SIGHTING AND FIRE CONTROL (ELECTRIC/ELECTRONIC) MATERIEL
- 3401 Primary Armament:
Include repair parts for guns, howitzers, Mortars, Launchers, recoilless rifles, related mounts, coaxial machine gun mounts, remote gun stations, and manual or automatic loaders.

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- 3402 Small Arms:
Include repair parts for machine guns and related mounts except coaxial machine gun mounts.
- 3403 Sighting and Fire Control (Electric/Electronic) Materiel:
Include repair parts.
- 3404 Sighting and Fire Control Tools and Equipment:
Include repair parts.
- 35 PULLEYS, BELTS, SHAFT'S, (Not related to other functional groups)
- 3501 Pulleys, Belts, Shafts
- 39 SEARCHLIGHT AND ELECTRICAL ILLUMINATING EQUIPMENT
- 3901 Searchlight or Illuminating , Light Assembly:
Include extended hand controls, mounting and attaching parts, etc.
- 3902 Box Assemblies and Relay Assemblies:
Include ballast-resistor, relay and reactor boxes, taps and busbar assembly, etc.
- 3903 Base Assemblies:
Including housings, stowing locks and transportation bars; tripods, etc.
- 3904 Control Box Assemblies:
Include azimuth and elevation gearing, etc.
- 3905 Turntables:
Include trunnion arms, bearings, housings, collector rings and brush assemblies, etc.
- 3906 Rear Lamp Housing Assembly:
Include rear section with reflecting mirror; ducts and ventilating system, etc.
- 3907 Front Lamp Housing Assembly:
Include drum section with doors, shutters, lens, recarboning lamps and carbon rack, etc.
- 3908 Lamp, Electrodes, and Lamp Mechanism:
Include feeding, rotating and focusing mechanism; lamp control box assemblies, sockets, etc.
- 3909 Cables:
Include power, internal control and sound locator; special cable reels.
- 3910 Control Station:
Include controller base, carrying bars, handwheels; distant electrical control systems with operator instruments, binocular mounting, etc.
- 3911 Switches:
Include boxes, switches, signal keys, capacitors, and electrical connectors, etc.
- 40 ELECTRIC MOTORS AND GENERATORS: (Other than engine accessories)
Include motor generators and dynamotors when unitized construction, except welding equipment. For welding equipment, see group 44.
- 4000 Major Assemblage: Motor Generator and Rotating Exciter Assemblies:
(Insert applicable nomenclature and use indexes following for subassembly breakdown).
- 4001 Rotor Assemblies:
Include coils, rotor bars, end rings, commutators, slip rings, cores, spiders, pole pieces and shoes, insulation, shafts, hardware, etc.
- 4002 Stator Assemblies:
Include coils, cores, pole pieces and shores, frames, insulation, hardware, etc.
- 4003 Brush Holders:
Include rocker rings, interconnections and miscellaneous wiring; brush holder assemblies, brushes, terminal lugs, leads and miscellaneous wiring, etc.
- 4004 Ventilating System:
Include fans, blowers, dust guards, baffles, etc.
- 4005 Frame Support and Housing:
Include bases, end brackets and shields, bearings, seals, caps, junction boxes, etc.
- 4006 Starting and Protective Devices: (Electric motors only)
Include capacitors, built in switches, fusing and overload devices, etc.
- 4007 Drive Components:
Include couplings, pulleys, belts, shafts, pinion gears, reduction gears, etc.

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- 4008 Brake: (Electric motor only)
Include hub, plate, coil and rings, etc.
- 4009 Control Panels, Housing, Cubicles:
Include mounting parts, lights, instruments, metering converters, wiring, etc., mounted on or attached to panel.
- 4010 Master or Auxiliary Control Assembly:
Include contactor assembly, rheostats for controller output, local or remote, etc. sub-panels) include electric governing and control units. (Electronic items are covered in group 67).
- 4011 Circuit Breakers, Cutouts, Fuse and Fuseholders: (Exclude master or auxiliary control parts).
- 4012 Switches:
Include reversing polarity, meter switches, toggle, thermostatic controlled switches, etc. (Do not include built-in starting devices).
- 4013 Regulator, Voltage or Current:
Include components and mounting hardware.
- 4014 Resistors: (Fixed variable or tapped)
Include control rheostat and potentiometers, etc.
- 4015 Relay or Assembly: (Exclude component of contractor assembly and battery circuit components).
- 4016 Coils: Choke or Filter: (Exclude rectifier circuit and excitation circuit).
- 4017 Transformers: Rectifiers: (Exclude excitation components).
- 4018 Terminal Blocks, Junction Boxes:
Include main power receptacles, terminal boards, busbars, etc.
- 4019 Radio Interference Suppression:
Include capacitors, filters, ground straps, mounting hardware, etc., and all items directly related to radio interference suppression in group 40 only. (Exclude like items in groups 06, 42 or 44.)
- 4020 Static Exciter Components:
Include rectifiers, diodes, reactors, inductors, transformers, etc.
- 42 ELECTRICAL EQUIPMENT (Not contained in other functional groups)
- 4201 Transformer, Power Line or Distribution:
Include primary and secondary windings, cores, lead in insulators, cases and covers, insulation brackets, etc.
- 4202 Electrical Controls (Main and auxiliary):
Include panels, terminal studs and lugs, binding posts, terminal strips, panel wiring, insulators, frames, cabinets, covers, doors, brackets, supports, lifting eyes and mounting parts, etc.
- 4203 Circuit Breakers, Cut Out Devices, Fuse and Fuse Holders:
Include relays, switches, safety controls, etc. (Do not list items that promote engine shut down.) (See group 0606).
- 4204 Voltage and Current Regulators:
Include choke coils and reactors, etc.
- 4205 Control Resistances: All fixed and variable resistors, potentiometers, and/or rheostats).
Include mounting hardware.
- 4206 Thermostatic, Automatic and Manual Control Devices.
Include trip and travel devices, solenoids, automatic power transfer switch, mounting parts, sending units, etc.
- 4207 Idling Controls:
Include engine speed controls on generator sets, etc.
- 4208 Special Remote Controls:
Include light-actuated relay units, selsyn devices, etc.
- 4209 Signaling Devices:
Include warning lights, buzzers, bells, sirens and sending units, etc. (Do not include intercom devices listed in group 2202).
- 4210 Instruments:
Include all voltmeters, ammeters, watt hour meters, frequency meters, etc. (Transformer or chokes for same) and panels.
- 4211 Power Receptacles
- 4212 Heating Units:
Include all coil or strip resistances used for heating purposes, other than items covered in group 22.

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- 4213 Non Rotating Rectifiers, Converters, Inverters: Include transformers, filter chokes, coils and condensers, frequency changers, dry and wet type rectifiers, inverters, converters, etc. (Do not include transformers covered in 4201).
- 4214 Radio Interference Suppression: Include all capacitors, resistors, choke coils, filters, etc. (Those items used primarily for radio interference suppression) Exclude similar items used on ignition systems and rotating electrical equipment, etc., coverable in groups 06, 40, and 44. All other radio interference suppression circuits will be covered here.
- 4215 Electrical Test Equipment: (Portable or Mounted) (If electronic type see group 67).
- 4216 Miscellaneous Wiring and Fittings 4217 Magnet (Crane, Sweeper, etc.): Include controller, exciter generator assembly, reel assembly resistor, etc.
- 43 HYDRAULIC, FLUID, AIR AND VACUUM SYSTEM: (Exclude brake system)
Note. For hydraulic steering system refer to group 14.
- 4300 Hydraulic System: (Complete assembly)
- 4301 Strainers, Filters, Hose, Pipe Fittings, Tubing, etc.
- 4302 Pump and Pump Drives: Include mounting parts, etc.
- 4305 Manifold and/or Control Valves: Include relief valves, check valves, regulating feed valves, and mounting parts, etc.
- 4306 Hydraulic, Vacuum, or Fluid, Motor
- 4307 Hydraulic Cylinders
- 4308 Liquid Tank or Reservoirs
- 4309 Hydraulic Controls and/or Manual Controls: Include linkage, hydraulic clutch controls, accumulators, etc.
- 4315 Gas, Air or Vacuum System: Include tent, shelter or balloon inflators, etc. Use indexes following, as applicable, for breakdown.
- 4316 Assembled Hose, Fitting, Lines, Breathers, Filters and Traps: (For accessory hose, see group 22)
- 4317 Manifold and/or Control Valves: Include relief valves, relay valves, check valves, mounting parts, etc.
- 4318 Air or Vacuum Cylinder Assemblies: Include diaphragms, chambers, cylinders, etc.
- 4319 Pumps and Pump Drives: (Air or vacuum) (For compressor units, see group 50).
- 4320 Air, Vacuum and/or Manual Controls: Include linkage.
- 4321 Tanks or Reservoirs
- 4322 Air Floatation System: For floatable vehicles
- 4323 Air Pressurization System: For vehicles equipped with front axle steering knuckle boot
- 44 WELDING, METALIZING. METAL HE AT ING, AND PLATING EQUIPMENT
- 4400 Major Assemblage: Arc Welders, Electro Plating, Flame Cutting, or Gas Welding Units, etc. (Insert applicable nomenclature and use groups following for sub-assembly breakdown).
- 4401 Rotor Assembly: Include motor, generator, exciter, etc.
- 4402 Stator Assembly: Include motor, generator, exciter, etc.
- 4403 Brush Holder Assembly: Include motor, generator, exciter, etc.
- 4404 Drive Components: Include belts, pulleys, couplings, etc.
- 4405 Frame Support, Housing, Carrier, etc. Include all mounting parts and lifting eyes, etc.
- 4406 Ventilating, Cooling System
- 4407 Control Panels, Housing, Cubicles: Include indicators, instruments, wiring assemblies, etc.
- 4408 Connecting Devices: Include terminal blocks, junction boxes, connectors, hoses, wiring

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- harness assemblies, etc. See group 2202 for hose or cable of accessory type.
- 4409 Protective Devices, Electrical:
Include fuses, fuseholders, insulation, etc.
- 4410 Switching, Timing and Speed Control:
Include circuit breakers, thermal overload switches, relays, solenoids, electron tubes, bypass and blacking capacitors, etc.
- 4411 Resistor Components
- 4412 Transformer Components
- 4413 Rectifier Components
- 4414 Radio Interference Suppression:
Include resistors, capacitors, filters and grounding, etc., used for R. F. suppression.
Exclude like items used in groups 06, 40, 42.
- 4415 Head, Torch and Gun Initialing Components
- 45 OFFICE MACHINERY, EQUIPMENT, AND FURNITURE. (Include household furniture)
- 4501 Office Machinery and Equipment
- 4502 Furniture: (Include household furniture).
- 46 REPAIR EQUIPMENT: (Shoes, clothing, textile)
- 4601 Repair Equipment: (Shoes)
- 4602 Repair Equipment: (Textile)
- 4603 Repair Equipment: (Clothing)
- 47 GAGES (NON-ELECTRICAL), WEIGHING AND MEASURING DEVICES:
Note. Do not include in these groups items (gears, etc.) located in the Accessory Drive, Transmission, Transfer, etc. Which are integral parts thereof, and which may have dual functions. Use cross references to identify those items, and the group in which they are listed.
- 4701 Instruments (Speed and distance):
Include speedometers, tachometers, odometers, revolution counters, drive shafts, adapters, etc.
- 4702 Gages, Mountings. Lines, and Fittings:
Include pressure, quantity, temperature, vacuum. measuring, liquid level, etc.
- 4703 Hourmeter:
Include drive .and related parts.
- 4704 Density Indicator:
Include batchometer, bitumeter, thickness control, scale, screws, handles, pedals, linkage, etc.
- 4705 Flow Meters and Regulators:
Include water meters, motor oil meters, viscometers, etc. (Applies to devices for measuring and, for controlling rate of flow of liquids, air, gases, etc.).
- 4706 Weighing or Balancing Devices:
Include beam scales, spring scales, etc. (For laboratory type scales, see group 26.)
- 48 FOOD PREPARATION EQUIPMENT: (Mobile and field)
- 4801 Coffee Urn
- 4802 Exhaust Fan and Grease Trap
- 4810 Immersion Heater
- 4815 Range
- 4820 Refrigerator
- 4825 Sink
- 4830 Toaster
- 4835 Other Food Preparation Equipment
- 50 PNEUMATIC EQUIPMENT. (Air compressors, pneumatic motors, etc.)
- 5000 Air Compressor Assembly: (For brake compressor assembly, see group 12) (For refrigeration compressor, see group 52).
- 5001 Crankcase, Block, Cylinder Head:
Include rotor housing, cylinders, sleeves, warming devices, (non-electrical) attaching parts, mountings, lifting eyes, etc. (Covers are to be listed in those groups with which they are associated.)
- 5002 Crankshaft
Include bearings, balancers, gear, fan drive pulley, etc.
- 5003 Flywheel Assembly:
Include flywheel housing, clutch, clutch
- 5004 Pistons, Connecting Rods, and Rotors:
Include rings, pins, bushings, hearings etc.

- 5005 Valves, Camshaft and Timing Mechanism:
Include valves, springs, seats, guides, lifters, arms, rockers, camshafts, bearings, gears, drives, etc.
- 5006 Ilubrication System:
Include oil pump, relief valves, breathers, fillers, oil pan, coolers, tilters, lines, fittings, regulators, etc.
- 5007 Compressor Drive:
Include shafts, gears, belts, pulleys, etc.
- 5008 Air Intakes:
Include manifold, pipes, air cleaner, etc.
- 5009 Unloader System Components:
Include unloader pilot, regulator bleed valves, relief valves, blow down valve, filters, traps, pipes, cleaners, strainers, etc.
- 5010 Compressor Cooling and Heating:
Include intercooler, fans, brackets, pumps, radiator, hoses, pipes, air blowers, etc. (Include internal or external heating devices not covered in 2207.)
- 5012 Throttling Devices:
Include diaphragms, pressure switches, etc.
- 5013 Hose Reel:
(See group 18 for breakdown of reel; see group 22 for hose assemblies.)
- 5014 Air Receiver:
Include governing valves.
- 5015 Air Discharge System:
Include manifolds, lines and fittings, etc.
- 5019 Pneumatic Motor Assembly:
Include grinders, sanders, drills, tampers, hammers, chisels, jack, etc. Include components, attaching parts, and accessories not covered in other index groups.
- 5020 Governor: (Pneumatic motor)
Include handles, throttle valves, air inlet, strainer, controls, etc.
- 51 WATER PURIFICATION SYSTEM
- 5100 Water Purification Unit (Major assemblage or demineralization unit): (Insert applicable nomenclature and use groups following for sub-assembly breakdown.)
- 5101 Hypochlorinator Assembly:
Include pumping block, clamp plate, distribution block, diaphragm, camshaft, drive shaft, springs, valves, etc.
- 5102 Tanks, Containers:
Include baffles, filters, etc.
- 5103 Piping, Valves:
Include fittings, connection, etc.
- 5104 Water Testing Equipment
- 5105 Demineralization Equipments Components:
Include all components not contained in group 51 that are applicable.
- 5106 Heat Exchanger:
Include exhaust heat exchangers, engine water coolers, heat exchangers, after coolers, etc.
- 5107 Evaporators, Condensers:
Include steam chests, heads, separators, ducts, shells, vents, condensers, air ejectors, air ejector pumps, etc.
- 5108 Compressors, Air Blowers:
Include housings, bearings, shafts, gears, rotors, drive pulleys, belts, and related parts.
- 5109 Multiple Take-Off (Line drive)
- 52 REFRIGERATION AND AIR CONDITIONING COMPONENTS
- 5200 Gas Compressor Assembly:
Include attaching parts, mountings, lifting eyes, brackets, etc.
- 5201 Compressor Columns and Cylinder Heads:
Include covers, housings, gaskets, studs, etc.
- 5202 Crankshaft:
Include bearings, stuffing boxes, glands, etc.
- 5203 Compressor Drive, Pedestal, Base:
Include drive pulley, outboard bearings, etc.
- 5204 Pistons, Connecting Rods:
Include rings, pins, bearings, etc.
- 5205 Suction and Discharge Components:

- Include safety head, discharge valves, suction valves, springs, plates, seats, (cages). etc.
- 5206 Oil Pressure Relief Valve (When integral part of compressor)
- 5207 Vacuum Pump
Includes crankshaft, pistons, connecting rods, suction and discharge valves, drive forks, etc
- 5210 Compressor Manifold:
Include valve bonnet, packing unit, etc.
- 5211 Manifold Valve Stem:
Include button, handwheel, etc.
- 5212 Suction Strap Cap:
Include screen gasket stud, etc.
- 5213 Safety Valve Bonnet:
Include cone, seal cap, spring guide, spring rod, button, valve, spring, etc.
- 5214 Compressor lubricating Pump:
Include oil pump drive, gears, shafts, shaft extensions, keys, lines, fittings, etc.
- 5215 Unloader System
- 5216 Oil Piping.
Include valves, elbows, tees, flanges, etc.
- 5217 Refrigerant Piping:
Include valves, tees, flanges, couplings, etc.
- 5218 Water Connections
- 5220 Ice Tank Crane:
Include crane truck parts.
- 5222 Ice or Freezing Tank:
Include coils, headers, flanges, etc.
- 5221 Refrigerant Accumulator
- 5228 Oil Separator:
Include heads, baffles, flanges, etc.
- 5230 Condenser: (Water or air cooled)
Include water pan, coils, eliminator, overflow hood, float valve, etc.
- 5232 Brine Agitator:
Include housings, propeller, shafts, bearings, etc.
- 5235 Hydrating Equipment
- 5240 Humidifiers or De-Humidifiers
- 5241 Evaporator
- 5242 Cooling Tower
- 5243 Blower Assembly:
Include shafts, bearings. etc.
- 5244 Thermostatic Controls: (Air temperature and moisture)
- 5245 Air Filters
- 5246 Air Cycle Conditioner System: (Used primarily with gas turbines).
Include valves, controls, water separators, heat exchangers, cooling turbines, fans, flow regulators, and miscellaneous items, etc.
- 5247 Heating Units: (Include all components, attaching parts, etc.)
- 53 LAUNDRY EQUIPMENT
- 5301 Extractors
- 5302 Tumblers
- 5303 Washers (Clothing)
- 54 TENTAGE, EQUIPPAGE, AND SPECIAL PURPOSE CLOTHING COMPONENTS
- 5401 Tent Body (Main fabric components)
- 5402 Tent Liners
- 5403 Tent Support Components (Frames, poles, arches, etc).
- 5404 Tent Anchoring Components (Pins, anchors, guy lines, anchor ropes, etc.).
- 5405 Tent Accessories (Covers, reusable containers, flies, stovepipe sleeves, etc.).
- 5406 Helmet and Hood Body (Fabric plastic, metal)
- 5407 Helmets and Hood Visual Components
- 5408 Helmet and Hood Communications Components
- 5409 Helmet and Hood Respiratory Components
- 5410 Helmet, Hood and Clothing (Heating and cooling components)
- 5411 Bulk Materials (Include fabrics, tapes, webbing, thread and other items not supplied as piece parts).
- 5412 Hardware, Fastening Devices and Findings
- 55 PUMPS (Exclude engine and special pumps). (See group 2205 for bilge pumps).
- 5500 Pump Assembly:
Include volute housing, spindle housing, lifting eyes, mountings, attaching parts,

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- brackets, stator, bowl, base, body, etc.
- 5501 Shafts, Rotors, Impellers:
Include impeller shaft, crankshaft, eccentric shaft seals, bearings, etc.
- 5502 Pistons, Rings, Pins, Rods, Bearings, Diaphragms
- 5503 Crank Case:
Include gear case and plates, etc.
- 5504 Cylinder, Cylinder Head
- 5505 Suction and/or Discharge Assembly:
Include valves, heads, priming devices, etc.
- 5507 Pump Drive:
Include shafts, belts, gears, clutch and related parts, pump drive jack assembly, pump auxiliary drive.
- 5508 Lubricators:
Include steam lubricators, grease cups, oil cups, oiler, etc.
- 5509 Force Attachments
- 5510 Inlet and Outlet Components:
Include sand traps, foot valves, strainers, formed hose, fittings, etc.
- 5511 Couplings:
Include flexible shaft couplings, cable drive couplings, racket couplings, etc.
- 5512 Column Assembly
- 5513 Fluid lines:
Include connections, valves, controls, etc.
- 5514 Steam Chest
- 5515 Cross Stand
- 5516 Cross Head Assembly
- 5517 Proportioner, Mixer, Regulator:
Include water motor.
- 5518 Manifold Assembly: (Distribution)
Include mounting and attaching parts, valves, gaskets, plates, etc., which are part of the assembly.
- 56 FILTERS, SEPARATORS, AND PURIFIERS
Note. The following groups (5600 through 5605) apply to FILTERS AND SEPARATE AND MISSILE AIR PURIFICATION SYSTEMS.
- 5600 Fuel, Water, Air, Filter/Separation or Purifier Assembly
- 5601 Automatic Discharge and Relief Valve
- 5602 Auxiliary Control Valve
- 5603 Float Chamber
- 5604 Canisters and Elements
- 5605 Common Valves, Lines, and Fittings
Note. The following groups 5406 through 5624 apply to PURIFIERS.
- 5606 Purifiers (Diesel fuel, lubricating oil).
- 5607 Lubricating Oil Purifier Assembly
- 5608 Diesel Fuel Oil Purifier Assembly
- 5609 Frame Cover and Inlet Arm
- 5610 Pulley Assembly:
Include belts, pulleys, collets, nuts, etc.
- 5611 Idler Assembly
- 5612 Bowl Assembly
- 5613 Wormwheel and Friction Clutch
- 5614 Housing Plate and/or Pump Assembly
- 5615 Top Bearing and Bowl Spindle
- 5616 Bearing Assembly
- 5617 Brake and/or Drag Assembly
- 5618 Speed Indicator
- 5619 Bottom Screw
- 5620 Heater, Filter and Lines
- 5621 Strainer or Filter Assembly
- 5622 Instruments and/or Controls
- 5623 Motor Assembly
- 5624 Controller Assembly
- 57 SPRAY EQUIPMENT COMPONENTS
- 5700 Major Assemblage: (Insert applicable nomenclature and use groups following for subassembly breakdown).
- 5701 Insect Spray Gun
- 5702 Insect Spray Components
- 5703 Air Blower Assembly:
Include shafts, belts, guards, etc.
- 5704 Spray Ducts and Manifolds:
Include jets, fittings and controls
- 5706 Dust Bin:
Include filter screens and controls, etc.
- 5707 Instrument Panel
- 5708 Tanks, valves, Lines. Hoses, Fittings and Liquid Strainer: (See group 22 for hoses).
- 5709 Metalizing Gun
- 5710 Paint Spray Gun

- 5711 Paint Spray Extension
 5712 Paint Spray Tank
 5713 Paint Spray Air Control Unit
 5714 Paint Spray, Hose:
 Include valves fittings, connection, etc. (See group 22 for hose).
- 5715 Paint Spray Pressure Cup
 5716 Paint Spray Strainer and Air Filter
- 58 SANITATION AND FUMIGATION EQUIPMENT COMPONENTS: (Also see Group 91)
- 5801 Sanitation Equipment Components
 5802 Fumigation Equipment Components
- 59 WATER SUPPLY SYSTEMS
- 5900 Water Pump Assembly (See group 55 for breakdown).
- 5901 Motor (Electric) (See group 40 for breakdown).
 5902 Air Valve
 5903 Water Closet
 5904 Lavatory and Shower
 5905 Water Cooler
 5907 Water Heating (Electric) (See group 42 for controls).
- 5308 Water Purification (See group 51 for breakdown).
- 5909 Water Reservoir
- 60 STEAM BOILERS, WATER HEATERS, HEATING UNITS, BURNERS (Exclude heaters in groups 22, 33, and 59).
- 6000 Major Assemblage: Heaters, Air, Water, Steam, Chemical, Electric.
 (Includes personnel or space heaters not covered in groups 22 and 33) (Insert applicable nomenclature and use groups following for subassembly breakdown) (For electric controls, etc., see group 42).
- 6001 Housing and Insulation
 6002 Feed Water Line:
 Include fittings valves, injectors, etc.
 6003 Steam Jet Assembly:
 Include hose, valves, fittings, etc.
 6004 Fuel System:
 Include pumps, strainers, etc.
- 6005 Burner Assembly:
 Include igniters, igniter coils, or transformer, jets, nozzles, preheaters, strainers, burner blowers, valves, lines, fittings, etc.
- 6006 Motor Assembly:
 Include brushes, brush holders, bearings, etc.
- 6007 Fuel Tank:
 Include valves, lines, hoses, fittings, etc.
- 6008 Blower Assembly:
 Include housing, panels, etc.
- 6009 Ventilating System:
 6010 Exhaust System:
 Include piping, stack and heating coil, etc.
- 6011 Combustion Chamber:
 Include lines, insulation, etc.
- 6012 Circulating Pump (Hot Water) Assembly
 6013 Heat Exchanger Assembly
 6014 Unit Heater (Personnel):
 Includes electric, steam, water, etc.
- 6015 Water Heater Assembly:
 Include auxiliary equipment, damper control, flexible drive coupling, etc.
- 61 GAS GENERATING EQUIPMENT COMPONENTS
- 6100 Major Assemblage: Liquid Oxygen, Nitrogen, Hydrogen, etc.
 (Insert applicable nomenclature and use groups following for subassembly breakdown).
- 6101 Compressor and Manifold Assembly
 6102 Crankcase, Cylinder, Cylinder Heads
 6103 Rotor and Housing:
 Include bearing, seals, etc.
 6104 Crankshaft and Flywheel:
 Include bearings, balancer, seals, housing, etc.
 6105 Piston Connecting Rods:
 Include rings, bearings, crossheads, guides, etc.
 6106 Compressor Valves:
 Include springs, seats, etc.
 6107 Oil Pan Lines:
 Include connections, fillers, plugs, etc.

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- 6108 Flash Arrestors, Pressure Reducers:
Include strainers, pressure regulators, leak testing units, etc.
- 6109 Lubrication System (oil, soap, etc.)
- 6111 Heat Exchanger Assembly:
Include casing, guard, collecting pan, brackets, baffles, grilles
- 6112 Air Blower Assembly:
Include casing, shaft bearings, drive pulley belts, etc.
- 6113 Cooling Coils, Manifolds, Valves, Piping:
Include pins, spray heads, floats, switches, valves, etc.
- 6114 Hot Air Heater Assembly
- 6115 Air Manifolds, Condenser, Receiver, Dryers, Separators:
Include inlet, outlet, dividing, bypass, suction and discharge trap.
- 6116 Tanks, Formed, Hose, lines, Fittings, etc. (Other than fuel). See group 22, for auxiliary hose.
- 6117 Power Train:
Include clutches, shafts, belts, pulleys, etc.
- 6118 Distillation Tower Unit:
Include liquifier oxygen column, control station, instrument panel, intercooler, fans, brackets, etc.
- 6119 Charging Manifold
- 6120 Air and Gas Drying Cylinders:
Include valves, lines, fittings, etc.
- 6121 Expansion Engine Assembly
- 6122 Crankshaft, Bearings
- 6124 Piston, Crossheads
- 6125 Valves, Spring, Guides:
Include pushrods, bushings, inserts, etc.
- 6126 Manifolds Ports
- 6127 Scrubbers
- 6128 Absorbers
- 6129 Gas Coolers
- 6130 Reactivators
- 6131 Mixer, Agitators
- 62 ILLUMINATING EQUIPMENT (Other than electrical) (For electrical, see group 39).
- 6200 Major assemblage: Chemical, Gas, or Oil Lights, etc.
- (Insert applicable nomenclature and use groups following for sub-assembly breakdown).
- 6201 Light Assembly:
Include reflectors holder, swing joint, etc.
- 6202 Combination Container Assembly:
Include carbide container carbic cake container, gage, guide cylinder cap, etc.
- 6203 Inside Cylinder Assembly:
Include cylinder, container lock, baffle plate, cylinder top, cylinder band, pipes, fittings, etc.
- 6204 Tank and Filter Assembly:
Include tank, band, bottom, bottom bar, cylinder lock, handle, cleats, screen, pipes, reducer, etc.
- 6205 Burner Control Valve:
Include stem, tip cleaner, valve stem tip, packing washer, packing nut, handle, burner tip, etc.
- 63 CONTROL PANELS AND CONTROL COMPARTMENTS:
To be used for control stations and/or control compartments on equipment such as liquid oxygen, nitrogen or gas generating plants, missile systems, or remotely located central control units, used to control multiple pieces of equipment, etc.
- 6300 Major Assemblage (Insert applicable nomenclatures and use groups following for subassembly breakdown).
- 6301 Gages:
Exclude engine gages. Include mountings.
- 6302 Controls:
Exclude engine controls.
- 6303 Lines and Fittings:
Include clamps, brackets, mountings, etc.
- 64 VENTILATING FANS AND BLOWERS: (Special purpose)
- 6401 Ventilating Fan Assembly
- 6102 Blower Assembly
- 6403 Motor Assembly:
Include brushes, brush holders, bearings, etc.

- 6404 Starter Switch Assembly
6405 Controller Assembly
- 65 REPRODUCTION EQUIPMENT COMPONENTS
- 6500 Major Assemblage, Printing Presses, Cameras, Projectors Reproduction Equipment, etc. (Insert applicable nomenclature and use indexes following for sub-assembly breakdown).
- 6501 Offset Press File Feeder:
Include component parts.
- 6502 Offset Press Feeder:
Include Component parts.
- 6503 Offset Main Press Assembly
- 6504 Offset Press Inker:
Include component parts.
- 6505 Offset Press Water System:
Include component parts.
- 6506 Pile Delivery:
Include component parts.
- 6509 Camera Assembly:
Include component parts.
- 6510 Projector Assembly:
Include component Parts.
- 6511 Enlarger Assembly:
Include (component parts.
- 6513 Whirler.
Include component parts.
- 6515 Printing and Developing Machines:
Include component parts.
- 6517 Grainer:
Include component parts.
- 6519 Duplicator Assembly:
Include component parts.
- 6521 Dryers:
Include component parts.
- 6523 Frame, Printing Multiplex:
Include component parts.
- 6525 Pantograph:
Include component parts.
- 6527 Sketch Master:
Include component parts.
- 6529 Table, Negative Paper Cutting Equipment, or Multiplex, etc.
Include component parts.
- 6531 Cooling Unit Multiplex.
Include component parts.
- 67 PRECISION INSTRUMENTS AND SYSTEMS, MECHANICAL, ELECTRICAL, ELECTRONIC (For fire control, see group :34).
- 6700 Major Assemblage: (Mine detectors, sniperscope weapons sights, surveying instruments, gyro compass, oscillators, electronic tester apparatus, pyrometers, etc.) Insert applicable nomenclature and use groups following for subassembly breakdown.
- 6701 Telescope Assembly:
Include tube, mounts, etc.
- 6702 Optics: (Reflecting and transmitting type)
Include filters.
- 670:3 Mechanical, Structural, and Precision Parts:
Include housing, covers, panels, frames, chassis, hardware, drive, dial mechanisms, knobs, etc.
- 6704 Batteries:
Include internal, external wet and dry types.
- 6705 Fuses and Lamps:
Include fuse holder and socket assemblies, mounting parts, etc.
- 6706 Rotating Equipment:
Include motors selsyns, etc.
- 670'7 Modules
- 6708 Electronic Tubes and Semi Conductors:
Include all types of vacuum and gas tubes, photo tubes, cathode ray tubes, transistors, rectifiers, etc.
- 6709 Infra Red Elements:
Include image tubes, thermal and photo detectors, etc.
- 6710 Circuit Components:
Include resistors, capacitors, coils, chokes, printed circuit boards, transformers, potentiometers, etc. Both fixed and variable types.
- 6711 Controls, Indicators and Special Components:
Include switches, radio phones, etc.(Meters are covered in group 42).
- 6712 Mounted Connecting Devices:
Include terminal blocks, receptacles, lugs, tube sockets, tube shields, etc.
- 6713 Miscellaneous Wiring and Fittings:

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- Include internal and external wiring and fittings.
- 6714 Antennas, Grounds and Related Equipment
- 6715 Special Electronic Testing Equipment, Mounted or Portable
- 6716 Oscillating Equipment: (When used as a major subassembly, components are not to be referenced to other indexes).
- 6717 Power Supply: (Self contained)
Include vibrator, rectifier, wiring harness, etc.
- 6718 Compass and Level:
Include items that are not major components, but are essential to the end item.
- 6719 Tripods:
Include tripod cover plates, firing plate assembly, brackets, etc.
- 68 WARNING, SCANNING, AND SIGNALING DEVICES AND NAVIGATIONAL INSTRUMENTS (Land, air, and water)
- 6801 Gyro Compass System:
Include ballistic assembly, amplifier unit, inverter unit, cable harness, connectors, gaskets, lamps, mercury, packing, switches, tubes, fuses, armatures, bearings, brushes, etc.
- 6802 Magnesium Compass System
- 6803 Magnetic Compass
- 6804 Loran Equipment
- 6805 Shoran Equipment
- 6806 Radar System:
Include radar receiver, transmitter, radar indicator control, antenna, heater control box, motor generator set, starter for .G. set and safety switch.
- 6807 Radio Direction Finder:
Include radio direction finder unit, power unit.
- 6808 Underwater Sound System:
Include sonar equipment; underwater listening equipment, fathometers.
- 6809 Radio Telephone System:
Include radio transmitter-receiver, converter, connection box, switch box, power panel.
- 6810 Infra-Red System
- 6820 Laser and Maser Systems
- 6830 White Light System
- 6840 IFF Radar System
- 69 SAWMILL COMPONENTS
- 6901 Husk or Operating Controls:
Include levers, pulleys, bearings, mandrels, etc.
- 6902 Carriage:
Include networks, head block, dog, etc.
- 6903 Trackway:
Include rails, ropes, pulleys, bearings, etc.
- 6904 Edger:
Include idlers, bearings rollers, shafts, etc.
- 6905 Cut-Off Rig:
Include controls, drives, bearing, etc.
- 6906 Dust Blower and Conveyor:
Include collector pipes, fittings, chains, rollers, sprockets, etc.
- 6907 Saws (Head, edger, cut-off)
Include component parts.
- 70 MACHINE TOOLS AND RELATED EQUIPMENT:
Note. For pneumatic tools see group 50, for arc welders see group 44
- 7001 Lathes:
Include component parts and cutting tools.
- 7002 Shapers:
Include component parts and cutting tools.
- 7003 Milling Machines:
Include component parts and cutting tools.
- 7004 Planer, Surfacer of Jointer: (Woodworking equipment)
Include component parts and cutting tools.
- 7005 Drills: Power Wrenches: (Other than pneumatic)
Include component parts.
- 7006 Power Hammers: (Other than pneumatic)
Include component parts.
- 7007 Power Grinders: (Other than pneumatic)
Include component parts.

- 7008 Power Saws: (other than pneumatic)
Include component parts.
- 7009 Heat Treating Equipment (Bake ovens, furnaces, etc.)
Include component parts.
- 7010 Foundry Equipment (Forges, blast furnaces, etc.)
Include component parts.
- 7011 Track Jacks, Shifters, Tampers:
Include component parts.
- 71 SNOW REMOVAL, MOWING AND SWEEPING EQUIPMENT COMPONENTS
Note. Following groups (7100 through 7103) apply generally to snow plows.
- 7100 Snow Plow Assembly
- 7101 Frames, Semi-Circles:
Include brackets, braces, struts, handers, etc.
- 7102 Moldboard, Blades:
Include side wings plowboards, shoes, attaching parts, etc.
- 7103 Feed and Discharge: Activating Mechanism:
Include rotor, rake, blade, fan shafts, auger bearings, drive controls, tilting attachments, etc.
Note. Following groups (7107 through 7115) apply generally to mowers and sweepers
- 7107 Pushbars:
Include hinges, bellcranks, couplings, etc.
- 7108 Housing:
Include power gears, bearings, seals, shields, etc.
- 7109 Crankshaft: Crankhead:
Include bearings and related parts.
- 7110 Wheels and Axles:
Include gears, pawls, bearings, etc.
- 7111 Cutter and/or Boom Assembly:
Include cutting attachments, grass board, brooms, suspension drives, pitman, chain tightening devices, etc.
- 7112 Clutch and Clutch Controls:
Include gears, shafts, and related parts.
- 7113 Lifting and Tilting Devices
- 7114 Spray System:
Include tanks, hoppers, lines, fittings, etc.
- 7115 Magnet, Lifting:
Include components, leads, mountings, etc.
- 72 DISPENSING AND SERVICING EQUIPMENT COMPONENTS
- 7201 Lubricating Equipment:
Include power and hand guns, reservoir, oilers, etc.
- 7202 Pumps and Meters:
Include component parts.
- 7203 Valves, Fittings, Lines:
Note. For hose reels, see group 18. For hose, see group 22
- 7204 Miscellaneous Parts and Accessories
- 7205 Brake Service Unit:
Include component parts.
- 7206 Steam Cleaning Units:
Include component parts.
- 7207 Brake Relining Machine:
Include component parts.
- 7208 Saw Filing, Setting, and Retooling Machines:
Include component parts.
- 7209 Presses:
Include component parts.
- 73 CONCRETE AND ASPHALT EQUIPMENT COMPONENTS (Mixers, pavers, spreaders, dust collectors, finishers, etc.)
- 7300 Major Assemblage: (Mixers, pavers, spreaders, dust collectors finishers, etc. (Insert applicable nomenclature and use groups following for sub-assembly breakdown).
- 7301 Power Loader Skip:
Include skip extension leader, hoist, controls, counter shaft, and attaching parts.
- 7302 Drums (Mixer or dryer):
Include drum drives, rollers, shafts, gears, transfer doors, mounting parts, etc.
- 7303 Controls (Machinery):
Include all machine operating controls, taper, screed, vibrator, hoppers, gates, chutes, feeder controls, speed change lever thickness and crown controls, etc,

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- 7304 Hoppers, Gates, and Chutes:
Include charging and discharging doors opening and closing devices, attaching parts, etc.
- 7305 Main Drive:
Include countershafts, gears, sprockets, chains, belts, bearings, bearing housings, seals, retainers, oilers, pulleys, chain tighteners, idlers, shims, spacers, guards, housings, covers, etc.
- 7306 Pugmill:
Include shafts, paddles, liners, bearings, arm tips, shims, spacers, fittings, oilers, seals, bearing housings, etc.
- 7307 Feeding and Conveyor Frames:
Include supports, guards, flashing, wear plates, etc.
- 7308 Reciprocating and Vibrating Feeders or Conveyors:
Include traveling rollers, supports, support wheels, shafts bearings, oilers, fittings, sprockets, pulleys, chains, associated and attaching parts, guards, extensions, etc.
- 7309 Vane or Screw Feeders or Conveyors:
Include shafts, bearings, bearing housings, seals, oilers, fittings, belts, sprockets, pulleys, chains, attaching parts, guards, extensions, etc.
- 7310 Pan Feeder or Conveyors:
Include gears, sprockets, plates, pans, chains, belts, pulleys, oilers, fittings, seals, retainers, shafts, cleats, drag pans, track, attaching parts, etc.
- 7311 Feeding or Conveyor Shaft:
Include gears, sprockets, belts, pulleys, bearings, seals, retainers, oilers, fittings, head shafts, tail shafts, counter shafts, idlers, chain and belt tighteners, clutches, bearing housings, spacer, shims, attaching parts, etc.
- 7312 Feeder or Conveyor Discharge:
Include test gates, chutes, spouts, troughs, flashings, guards, wear plates, chains, cables, hooks, locks, supports, brackets, pins, attaching parts, etc.
- 7313 Screed, Vibrator Agitator:
Include shafts, chains, belts, sprockets, gears, gear box, seals, bearings, retainers, bearing housings, spacers, shims, brackets, supports, pulleys, end cutoff and deflector plates, attaching parts, etc.
- 7314 Tampers and Tamper Drive:
Include shafts, arms, hammers, extensions, bars, frames, brackets, plates, bearings, oilers, seals, retainers, sprockets, chains, pulleys, eccentrics, clutch, flywheel, tamper, jackknife drive, guards, etc.
- 7315 Traction Drive:
Include wheels, shafts, bearings, retainers, seals, fittings, sprockets, chains, pulleys, oilers, belts, etc.
- 7316 Form Oiler:
Include lines, fittings, tanks, strainers, etc.
- 7317 Material Spray Bar:
Include mounting and attaching parts.
- 7318 Tanks, Valves, Formed, Hoses, Lines, Fittings;
(For accessory hoses, see group 22).
- 7319 Water System:
Include nozzles, lines, tanks, valves, glands, drives, feed hand controls, etc.
- 7320 Boom and Attaching Parts
- 7321 Dust Collector Assembly:
Include mounting parts, drive components, ducts, housings, storage compartments, etc.
- 7322 Blower Assembly:
Include mounting parts, drive component parts, etc.
- 7323 Boomlift, Swing, Clutches, Gears, shafts, Bearings
- 7324 Bucket, Carrier Assembly, Trip Mechanism
- 7325 Bucket, Travel Drum, Clutches, Gears, Shaft and Bearings
- 7326 Screens:
Include attaching parts.
- 7327 Mechanical Level Indicator:
Include steering indicator, leveling arm and parts, level match gauge, attaching parts, etc.

74 CRANES, SHOVELS, AND EARTH MOVING EQUIPMENT COMPONENTS

Note. The following groups (7401-7407) apply to marine cranes.

- 7401 Crane:
Include swingerrack pivot assembly, turntable truck assembly, king pin assembly, boom foot securing assembly, fleeting sheave assembly, main load and auxiliary hoist lead sheave assembly, "A" frame hanger assembly, boom hanger assembly, main hoist load block assembly, auxiliary hoist load block assembly, main boom block sheave assembly, whip line load block assembly, boom point sheave assembly, cable assembly, etc.
- 7402 Hoist:
Include boom hoist drum assembly, main load drum assembly, whip line drum assembly, pillow block assembly, gear reducer assembly, drive shaft and pinion assembly, control shaft assembly, flexible coupling assembly, hydraulic brake assembly, hoise motor assembly, motor brake assembly, brake control assembly, brake band pawl assembly.
- 7403 Swinger:
Include brake assembly, motor assembly, flexible coupling assembly, gear reducer assembly, pillow block assembly, etc.
- 7404 Electrical Controls:
Include boom hoist control assembly, main line and whip line control assembly, swinger control assembly, master switch assembly, limit switch assembly, ammeter panel assembly, generator and main line control panel assembly, collector ring assembly, magnetic brake assembly, etc.
- 7407 Hull and Deck Machinery (accessories):
Include air horn and signal bell, anchor, anchor hoist, cable, cab heater, fresh water pump, fuel oil pump, lighting fixtures, floodlights, portable bilge pump, ballast pump, radio suppression rotary collector, running lights, trolley hoist, windshield wiper, light switch, unit heater, water circulating

pump (see group 55 for breakdown), fuel oil transfer pump, hull fittings, etc.

Note. The following groups (7410-7427) apply to power cranes and shovels.

- 7410 Shovel Front Attachments:
Include boom shippershaft, crowd and rerack mechanism, dipper, handle, padlock block, etc.
- 7411 Crane Dragline or Clamshell Attachments
Include boom, jib boom, mast, boom harness, safety boom stop hook block, tagline, fairlead, buckets, cables, pulleys, pins, bushings.
- 7412 Backhoe Attachments:
Include boom, mast, bucket, handles, pulleys, block, pull drum, cradle, telescopic harness, etc.
- 7413 Pile Drive Attachment
- 7414 Base Deck:
Including rotating base, catwalks, brackets and related parts.
- 7415 Clutch:
Include auxiliary clutch, hoist clutch, luffing clutch, propelling clutch, swing clutch, etc.
- 7416 Shafts:
Include drive shaft, drum shaft, slewing shafts, clutch shaft, jack shaft, center drive shaft, horizontal shaft, intermediate shaft, travel shaft, crowd shaft, swing shaft, (Use applicable heading).
- 7417 Hoists:
Include boom hoist, main hoist, swivel joints, tagline.
- 7418 Transmission Assembly:
Include speed reducer mechanism, bearings, couplings, gears, etc.
- 7419 Turntable:
Include turntable hubs, turntable pivot post, turntable rollers, swing lock, swing brake (when not a part of the swing shaft).
- 7420 Machinery Gear Case or Frame
- 7421 Independent or precision Boom Hoist
- 7422 Machinery Mechanism Controls
- 7423 Gantry
- 7424 Crawler Bed, Frame and Ring Gear

- 7425 Propel and Steering Mechanism
7426 Mounting Base (other than crawler)
7427 Miscellaneous Valves:
Include double check and check valves, pilot unloader, pressure regulator, quick release valve, diaphragm, relay release control retainer, reservoir release valve, safety, three-way shut-off valve, whistle, horn, etc.
Note. The following groups (7435-7443) apply generally to graders and dozers.
- 7435 Moldboard Assembly:
Include blades, extensions, bits, ditching boots, back slopers, points, etc.
- 7436 Lift Arms and Pivot Assemblies:
Include guides, shafts, cradles, rods, linkage, springs, steps, etc.
- 7437 Loader Bucket Assembly or Forklift:
Include shafts, cutting edges, teeth, pins, bushings, springs, cables, chains, latches, etc.
- 7438 Circle and Drawbar Assembly:
Include supports, connections, adjusting bars, adjusting brackets, lift shafts, tilt linkage, etc.
- 7439 Circle Reverse Drawbar Side Shift and Lift Mechanism:
Include gear cases, gears, pins, bearings, shafts, universal joints, gaskets, seals, etc. (Include all drive parts up to power control unit, hydraulic motor or cylinder, If manually operated, include all drive parts and controls).
- 7440 Scarifier Assembly:
Include drawbar, hinge rod or pins, bushings, angle adjusting items.
- 7441 Scarifier Actuating:
Include lift shafts, arms, gear cases, gears, pins, bearings, bushings, drive shafts, universal joints, gaskets, seals, etc. (Include all drive parts up to power control unit or hydraulic motor or cylinder). If manually operated, include all drive parts and controls.
- 7442 Leaning Frame Mechanism
7443 Main Frame Assembly:
Include tripod, jack and mountings, etc.
Note. The following groups (7444 7448) apply generally to scrapers and dump wagons.
- 7444 Main Body:
Include pulleys, pins, bearings, bushings, wedges, rollers, blocks, ground plates, etc.
- 7445 Tail Gate Components:
Include tail gate, gate return rollers, pulleys, bearings, pins, wedges, springs. pull plates, etc.
- 7446 Rear Truck Components:
Include pulleys, bearings, pins, etc.
- 7447 Push Beam and Yoke Components:
Include push beam, yoke, fairleads, pulleys, bearings, pins, rollers, wedges, kingpins, universal yokes, etc.
- 7448 Bowl and Discharge Components:
Include bowl tilting discharge, pulleys, pins, bearings, apron, etc.
Note. The following groups (7449-7465) apply generally to ditchers and trenchers.
- 7449 Digging Wheels:
Include buckets, teeth, cutting edges, side cutters, rims, gear segments, rooters, etc.
- 7450 Upper Trucks:
Include pillow blocks, shafts, wheels, collars, bearings, seals, etc.
- 7451 Lower Trucks:
Include closures, bearings, seals, wheels, supports, etc.
- 7452 Boom:
Include pulleys, pins, bearings, cables, clamps, thimbles, sliders, etc.
- 7453 Digging Wheel Drive:
Include sprockets, bearings, boxes, seals, differential case, gear case, covers, gaskets, gears, pins, chains, idlers, springs, plates, etc. (Include all drive parts to main drive train).
- 7454 Bucket Line:
Include buckets, links, teeth, side cutters, etc.
- 7455 Bucket Line Boom:
Include rollers, pin, plates, guides, foot shafts, foot sprockets, bearings, idlers, pulleys, etc.
- 7456 Boom Headshaft:
Include sprockets, gears, shafts, take-ups, safety sprockets, springs, pins, etc.

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- 7457 Boom Erection Sheave Shaft:
Include pulleys, plates, spacers, collars, springs, etc.
- 7458 Boom Push Arms:
Include trunnions, links, shafts, pins, shims, arms, boots, plates, pivot shafts, bearings, etc.
- 7459 Connecting Links:
Include arms, angles, chains, pins, bushings, etc.
- 7460 Bucket Line Drive:
Include sprockets, bearings, collars, chain idlers, controls, etc. (Cover drive from train to headshaft safety sprocket).
- 7461 Multiple Take-Off: (Line drive, main drive)
Include jack shaft, sprockets, collars, flexible coupling, housings, clutch rollers, plates, forks, springs, shafts, etc.
- 7162 Conveyor Discharge:
Include belts, drums, rollers, shafts, side shifters, gears, bearings, seals, guide hoists, lifts, etc.
- 7463 Follow Up Scraper:
Include scraper, crumbling shoe, cutting edges, lift parts, hanger, push arms, springs, plates, pins, pivots, etc.
- 7461 Boom Hoist Assembly:
Include drums, bearings, shafts, gears, clutch, jaws, shoes, spiders, bands, controls, etc.
- 7465 Rooters, Rippers, Plows, Harrows, and Rotary Tillers:
Include component parts.
Note. The following groups (7466-7474) apply generally to road rollers.
- 7466 Steering Rolls:
Includes axles, caps, plugs, seals, bushings, bearings, plates, etc.
- 7467 Center Rolls: (Three axle tandems)
- 7468 Drive Rolls:
Include attached gears, axles, caps, plugs, seals, spikes, gaskets, etc.
- 7469 Rolls, Miscellaneous (Usually towed):
Include axles, snow rolls, single tow rolls, cluster tow rolls, bearings, feet, feet bands, plugs, plates, gasket, etc.
- 7470 Roll Scrapers:
Include blades, brackets, rods, springs, shafts, controls, linkage, etc.
- 7471 Sprinkler System:
Include tank pipes, valves, regulators, mat, mat holder, shields, etc.
- 7472 Towing Wheel, Lowering and Elevating:
Include jack box, handles, shafts, gears, bushings, plates, pins, etc. (See group 43 for hydraulic components).
- 7473 Lift and Swing Mechanism:
Include frame boom, tower gears, shafts, bushings, clutches, housing covers, bearings, seals, springs, locks, brakes, jack screw, mounting brackets, guide rails, spacer bars, centralizers, leg points, etc.
- 7474 Drive Mechanism:
Include housings, shafts, bearings, bushings, gears, retainers, etc.
- 7475 Spindle and Cutter:
Include chuck, helix, cutter lips, shutter plates, shanks, teeth, yokes, points, guards, etc.
- 7476 Feed and Leveling (Hand or mechanical):
Include chain, chain guide and roller, shafts, eccentrics, sockets, bearings, gears, pinions, housing covers, recoil mechanisms, clutch, ratchet, cylinders, pistons, rods, packing, rings, bumpers, etc.
- 7477 Hand Control and Linkage:
Include lever brackets, bushings, shafts, arms, yokes, rods, pins, valves, controls, bushings, springs, etc.
Note. The following groups (7478-7488) apply generally to well-drilling equipment.
- 7478 Countershaft Assembly:
Include clutches, wheels, bearings, retainers, seals, gears, belts, chains, etc.
- 7479 Bull Reel or Hoisting Drum:
Include brakes, clutches, dividers, traveling blocks, hook shafts, bearings, mountings, sprockets, gears, etc.
- 7480 Sand Reel:
Include clutches, brake divider, eccentrics, shafts, bearings, mountings, gears, etc.

- 7481 Crankgear and Pitman:
Include pins, gears, bushings, blocks, arms, etc.
- 7482 Spudder Beams:
Includes shafts, pulleys, springs, bearings, shoes, seats, heads, brackets, rods, etc.
- 7483 Rotary Table:
Include drill heads, housings, yokes, chucks, locks, slides kelleys, bushings, etc.
- 7484 Cathead:
Include gears, sprockets, bearings, mountings, shaft, drums, clutches, etc.
- 7485 Mud Pump:
Include drive, power end, clutch, crosshead, cylinders, valves, water swivel, hoisting plug, bearings, seals, etc.
- 7486 Mast:
Include crown block, mast head, hoist, stem guide, mast supports, shafts, bearings, mountings, pulleys, etc.
- 7487 Hand Controls and Linkage:
Include yokes, levers, links, pins, rods, etc.
- 7488 Pipe, Hose, Valves, etc.:
Note. See group 22 for hoses.
- 7499 Cables and Ropes: (Applies to reeving cables only).
- 75 CONVEYING, FEEDING AND CRUSHING, SCREENING AND WASHING EQUIPMENT COMPONENTS:
Note. The following groups (7501-7508) apply to conveying and elevating equipment components.
- 7501 Belting, Chain:
Include supports, hoppers, skirtboards, etc.
- 7503 Drums, Pulleys, Sprockets:
Include bearings, shafts, etc.
- 7504 Rolls:
Include bearings, shafts, etc.
- 7505 Clutch and Controls
- 7506 Shafts:
Include countershafts, etc.
- 7507 Winding, Folding and Hoisting:
Include Ratchets, drums, etc.
- 7508 Elevating Wheel:
Include drum, shield, plates, shafts, rollers, etc.
- Note. The following groups (7510-7515) apply to feeding equipment components.**
- 7510 Feeding Frames:
Include hoppers, guards, etc.
- 7511 Reciprocating and Vibrating Plates and Grizzlies:
Include traveling rollers, supports, support wheels and shafts, etc.
- 7512 Feeding Shafts:
Include gears, clutches, eccentrics, etc.
- 7513 Feeder Discharge:
Include test gates, chutes, spouts, and controls, etc.
- 7514 Vane Feeder:
Include shafts, sprockets, chains, etc.
- 7515 Pan Feeder:
Include plates, pans, chains, sprockets, shafts, cleats, etc.
Note. The following groups (7520-7523) apply to crushing components.
- 7520 Crusher Frames:
Include springs, hopper, spouts, etc.
- 7521 Crushing Jaws, Base and Pitman.
Include wedges, springs, etc.
- 7522 Rolls:
Include segments, spiders, etc.
- 7523 Shafts:
Include gears, sprockets, pulleys, etc.
Note. The following groups (7525-7529) apply to screening components
- 7525 Screening Base, Box:
Include supports, springs, hoppers, etc.
- 7526 Clutch Shafts:
Include gears, idlers, etc.
- 7527 Screen Hoisting Mechanism
- 7528 Screens and Attaching Parts
- 7529 Eccentric or Gyrator Shaft:
Include pulleys, housings, bearings, seals, shims, etc.
Note. The following groups (7532-7536) apply to washing and dehydrating components.
- 7532 Drums, Hoppers, Chutes:
Include baffles, liners, flumes, guards, etc.

- 7533 Screw or Flight Shafts:
Include bearings, collars, sprockets, gears, pulleys, etc.
- 7534 Piping, Valves, Hoses:
Include couplings, fittings, nozzles, etc. See group 22 or 26 for hoses.
- 7535 Mechanically Driven Lubricators
- 7536 Traction Drive: (Items not included in groups 07, 11 or 13).
- 76 FIRE FIGHTING EQUIPMENT COMPONENTS:
Note. For platforms, walkways, ladders, etc., see Group 15.
- 7601 Fire Pump Assembly
- 7602 Relief Valve Assembly
- 7603 Control Relief Valve Assembly
- 7604 Priming Pump Assembly
- 7605 Primer Valve Assembly
- 7606 Drain Valve Assembly
- 7607 Clutch Operating Lever Assembly
- 7608 Propeller Shaft Assembly
- 7609 Engine Throttle Assembly
- 7610 Foam Proportioner Assembly (Includes Jet Ejector, Check Valve, Ball Valve, and Metering Valve.)
- 7611 Foam Turret Assembly
- 7612 Foam Tank Assembly
- 7613 Water Tank Assembly
- 7614 Hose Reel Assembly
- 7615 Instrument Housing Assembly (Includes all parts shown on Drawing 10572-15 and related parts.)
- 7620 Siren Assembly
- 7621 Warning Light Assembly
- 7622 Spotlights (Front and Rear)
- 7623 Dome and Engine Light Assemblies
- 7624 Turn Signal Light Assembly
- 7625 Storage Battery, 12 Volts
- 7626 Miscellaneous Electrical Equipment (Includes Battery Cables, Battery Charging Receptacles. Circuit Breakers, Wiring Harness, etc.)
- 7627 Heater, Vehicular Compartment
- 7628 Oil Pan heat Exchanger
- 7629 Auxilliary Engine Cooling Assembly
- 7630 Piping, Water and Foam (Includes Drain Lines)
- 7631 Control Valves (Includes all Control Valves, except 7610)
- 7632 Rods, Control Valves
- 7635 Special Purpose Body (Includes all Body parts)
- 7636 Mounting Brackets, Fuel Tank and Air Reservoir
- 7638 Portable Fire Fighting Equipment (Includes Fire Extinguishers)
- 7639 Fixed Fire Fighting Equipment (Vehicular)
- 7645 Identification and Instructions Plates (Excludes Data Plates incorporated in Assemblies)
- 7650 Heater Assembly, Coolant
- 7651 Heater Assembly, Space
- 7652 Pump Assembly, Circulating
- 7653 Motor-Generator Assembly
- 7654 Radiator Shutter
- 7655 Miscellaneous Winterization Equipment (Includes Piping and Fittings, Wiring Harness, Motor-Generator Power Receptacle, etc.)
- 77 MUSICAL AND TONAL INSTRUMENTS
- 7701 Pianos, Organs: (Hand, electric, or electronic)
- 7702 Cabinet, Bench.
Include doors, covers, racks, woodwork, hardware and fabrics, etc. applicable.
- 7703 Console:
Include brackets, cams, capacitors, coil assembly, connectors, tubes, grommets, heating element, motors, resistors, suppressors, switches (toggle), transformers, crystal, drive, knobs and tablets, lever.
- 7704 Manual Chassis Assembly:
Include terminal strips, keys, contact springs with precious metal points, busbar with precious metal points.
- 7705 Tone Generator:
Include generator, shaded pole induction motor, non-self-starting synchronous motor, drive shaft with driving gears, tone or phonic wheels (geared), magnetized rods, magnets

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- and coils, transformers and condensors.
- 7706 Reverberation Unit (Sound):
Include fluid type or dry type, coil driver unit, coil springs, crystal, reflecting pin.
- 7707 Pedal Switch Assembly:
Include busbars, contact springs, terminals, choke coil, resistors, filters, pistons, contact.
- 7708 Amplifier:
Include capacitors, connectors, tubes, reactors, sockets (tube), condensors, transformers.
- 7709 Loudspeaker:
Include coil, transformer, cone, frame.
- 7710 Cable:
Include cable (power, electric), cable (special purpose electric), connectors and sockets.
- 7711 Miscellaneous Attachments:
Include items not covered in groups 7701 thru 7710 above.
- 80 STORAGE EQUIPMENT COMPONENTS:
Note. Include all empty containers which are recoverable type items, for example: acetylene containers, oxygen containers, steel or metal drums which are reusable and can be recharged, etc. This group will also cover transportable or skid mounted tanks such as used for Lox storage.
- 8000 Major Assemblage: (Instructions: Insert end item or major component nomenclature)
Include component parts.
- 84 NUCLEAR POWER PLANTS:
Note. Groups 8400, 8500, 8600 and 8700 inclusive are to be used for nuclear power equipment exclusively. All components will be kept in these indexes and not referred to other indexes.
- 8400 Nuclear Components: (Primary System)
- 8401 Vapor Container:
Include doors, seals, sprays, etc.
- 8402 Rod Drive Sump Pump
- 8403 Reactor
- 8404 Pressure Vessel
- 8405 Core Assembly:
Include fuel elements
- 8406 Control Rod
- 8407 Drive Mechanism
- 8408 Motor
- 8409 Drive Shaft Assembly
- 8410 Clutch Drive Assembly
- 8411 Water Seal Assembly
- 8412 Instrument Bracket Assembly
- 8413 Pressurizer
- 8414 Primary Coolant and Fill Pumps
- 8415 Motor
- 8416 Pump
- 8417 Steam Generator (Heat Exchanger):
Include lines, fittings, thermocouple, etc.
- 8418 Seal Leakage System:
Include valve switches, lines, fittings, etc.
- 8419 Seal Assemblies
- 8420 Seal Leakage Pumps
- 8421 Motors
- 8422 Pump
- 8423 Tank
- 8424 Primary Coolant Blowdown System:
Include cooler piping
- 8425 Primary Coolant Blowdown Pump
- 8426 Motor
- 8427 Water Cooler
- 8428 Control Valves (Electrical)
- 8429 Control Valves (Pneumatic)
- 8430 Monitoring (Radiation)
- 8431 Demineralizers
- 8432 Filters:
Include elements, gaskets, seals, etc.
- 8433 Measuring Devices:
Include conductivity, temperature, pressure flow meters, etc.
- 8434 Primary Coolant Make-Up System:
Include tank, lines, fittings, etc.
- 8435 Make-Up Pump
- 8436 Pump
- 8437 Variable Speed Drive
- 8438 Motor
- 8439 Lubricator
- 8440 Transmission

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- 8441 Filters
- 8442 Control Valves:
 Include check valve, safety valve, etc.
- 8443 Gages
- 8444 Differential Pressure Converter:
 Include safety valve, pressure switch alarm,
 etc.
- 8445 Hydrogen System:
 Include flow indicator pressure control,
 helium valve, etc.
- 8446 Moderator Water System
- 8447 Shield Water System
- 8448 Spent Fuel Pit Storage and Chute:
 Include chute plug, cover, etc.
- 8449 Fuel Shipping Container
- 8450 Movable Platform
- 8451 Recirculating Pumps
- 8452 Pump
- 8453 Motors
- 8454 Contaminated Waste System:
 Include hot waste tank, tank pressure
 indicator, level control, temperature indicator,
 etc.
- 8455 Reprocessing Skids:
 Include tanks, lines, fittings, etc.
- 8456 Hot Waste Discharge Pumps
- 8457 Pumps
- 8458 Motors
- 8459 Laboratory Waste Storage Tank:
 Include level indicator, line, fittings, etc.
- 8460 Water Ejector

- 85 NUCLEAR COMPONENTS: (Secondary
 System)
- 8501 Feedwater System:
 Include feedwater heater and lines.
- 8502 Boiler Feed Pumps
- 8503 Electric Motor:
 Include controls.
- 8504 Steam Turbine:
 Include controls.
- 8505 Pumps
- 8506 Evaporator:
 Include lines, flow meters, etc.
- 8507 Regulating Valves
- 8508 Preheater

- 8509 Evaporator Feed Pump
- 8510 Pumps
- 8511 Motors
- 8512 Pressure Control System
- 8513 Level Control System
- 8514 High and Low Water Alarm
- 8515 Secondary Blowdown System
- 8516 Rotameter
- 8517 Main Water Supply and Booster Pumps
- 8518 Pump
- 8519 Motor
- 8520 Condensate Recirculating Pump
- 8521 Pump
- 8522 Motor
- 8523 Check Valves
- 8524 Rotameter
- 8525 Pressure Switch
- 8526 Control and Regulating Valves
- 8527 Chlorinator:
 Include injector.
- 8528 Pump
- 8529 Motor
- 8530 Scale-Cylinders
- 8531 Service Water System:
 Include storage tank and controls.
- 8532 Main Air Compressor
- 8533 Compressor
- 8534 Motor
- 8535 Receiver
- 8536 After Cooler
- 8537 Condensing Filters
- 8538 Standby Compressor
- 8539 Compressor
- 8540 Motor
- 8541 Compressor Controls
- 8542 Steam or Gas Turbine
- 8543 Oil System:
 Include lines, valves, etc.
- 8544 Main Oil Pump:
 Include drive.
- 8545 Auxiliary Oil Pump, Motor Driven
- 8546 Auxiliary Oil Pump, Turbine Driven
- 8547 Speed Controls
- 8548 Load Limit Controls
- 8549 Inlet Pressure Controls
- 8550 Overspeed Controls

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8551	Turbine Gage Board	8607	Rear Graphic Panel
8552	Condenser	8608	Electrical Panel
8553	Air Ejector	8609	Generator Section
8554	Inter Condenser	8610	Station Service Section
8555	After Condenser	8611	Battery and Motor Control Section
8556	Flow Control Valves	8612	Synchronizing Section
8557	Controller	8613	Nuclear Panel
8558	Manual Load Station	8614	Radiation Panel
8559	Transmitter		
8560	Reduction Gear	87	NUCLEAR COMPONENTS. (Auxiliary Equip- ment and Plant Accessories)
8561	Generator	8701	Air Conditioner
8562	Generator Exciter	8702	Heating System
8563	Space Air Cooler	8703	Closed Circuit Television
8564	Skid Frames and Shock Mounts: (Portable units only)	8704	Public Address System
8565	Process Tubing and Hardware	8705	Sanitary System
8566	Bus and Switch Gear	8706	Fire Protection System
8567	Circuit Breakers	8707	Storage Containers and Gas Cylinders
8568	Transformers	8708	Fuel Element Replacement Equipment
8569	Relays	8709	Operator Tools, Common
8570	Batteries	8710	Operator Power Tools
8571	Inverter, Converter/and Rectifier Charger	8711	Operator Tools, Special
8572	Seal Pit Monitor Pump	8712	Maintenance Tools, Common
8573	Pump	8713	Maintenance Team Tools, Special
8574	Motor	8714	Radiation Monitoring Stations, (fixed)
8575	Chemical Feed Pump	8715	Radiation Monitoring Devices, (portable)
8576	Pump	8716	Test Equipment, Chemical
8577	Motor	8717	Test Equipment, Electrical
8578	Chemical Feed Tank	8718	Test Equipment, Instruments
8579	Steam Traps and Strainers	8719	Test Equipment, Mechanical
8580	Gages	8720	Chemical Supplies
8581	Thermometers	8721	Hardware Supplies, Common
8582	Pipe Pit Sump	8722	Hardware Supplies, Special
8583	Pump	8723	Electrical Supplies, Common
8584	Motor	8724	Instrument Components
8585	Oxygen and PH Analyzer	8725	Maintenance and Operating Supplies
		8726	Hoist
8600	NUCLEAR COMPONENTS: (System Controls and Instrumentation)	8727	Portable Demineralizer
8601	Control Room	8728	Decontamination and Vent Fans
8602	Operators Console	8729	Vacuum Pump
8603	Annunciator Panel	8730	Radiation Counting Equipment
8604	Rod Control Panel	8731	Laundry Equipment
8605	Miscellaneous Control Panel	8732	Washer
8606	Front Graphic Panel	8733	Dryer

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- 8734 Washer Dryer
- 8735 Samplers
- 8736 Health Physics Equipment and Supplies

- 91 CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL (CBR) EQUIPMENT
- 9110 Collective Protection Equipment
- 9111 Gas Particulate Filter Units
 - Include precleaner, housing assembly, motor-blower assembly, gas filter, particulate filter, etc.
- 9112 Control Systems
 - Include control panels, flow control valves, pressure sensitive switches, alarm assembly, indicators, etc.
- 9113 Shipping and Storage Containers
- 9114 Liners
- 9115 Protective Entrances
 - Include mounting and attaching frames, permeable membrane doors, light and communication assemblies, etc.
- 9116 Associated Kits
 - Include installation kits, modification kits, repair kits, tool kits, test kits, etc.
- 9120 Decontamination Equipment
- 9121 Tank Assembly
 - Include covers, agitators, hoppers, valves, attached piping, etc.
- 9122 Power Systems
 - Include engine and all associated controls, gages, and fuel system, all components of power take-off system, etc.
- 9123 Discharge Hoses
 - Include gun assemblies, couplings, reels, etc.
- 9124 Suction Hoses
 - Include footvalve and strainer.

- 9125 Shower Assembly
 - Include piping, brackets, supports, etc.
- 9126 Pump Assembly
 - Include valves, controls and piping.
- 9127 Prime-Foam Tank Assembly
 - Include valves and controls.
- 9128 Water Heaters
 - Include all components and accessories for the heater.
- 9129 Special Tools and Accessories
 - Include all special tools, accessories, repair parts kits, and components not included under previous headings.
- 9130 Warning and Detection Systems
- 9131 Chemical Agent Alarms
 - Include all components and associated items.
- 9132 Personnel Detectors
- 9133 Chemical Agent Detection Kits
- 9134 Radioactive Test Kits
- 9140 Personnel Protection Equipment
- 9141 Masks and Respirators
 - Include filter, eye lens, water drinking equipment, resuscitation equipment, voicemitter, microphone, carrier, etc.
- 9143 Breathing Apparatuses
 - Include the tanks, harness assembly, carrying case, winterization kit, tools, etc.
- 9142 Protective Suits and Overgarments
 - Include gloves, boots, hoods, etc.

- 95 GENERAL USE STANDARDIZED PARTS
- 9501 Hardware Supplies and Bulk Materiel, Common

- 99 PARTS PECULIAR
- 9901 Multi-Listed Parts

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By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
General, United States Army,
Chief of Staff.

Official:
KENNETH G. WICKHAM,
Major General, United States Army,
The Adjutant General.

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