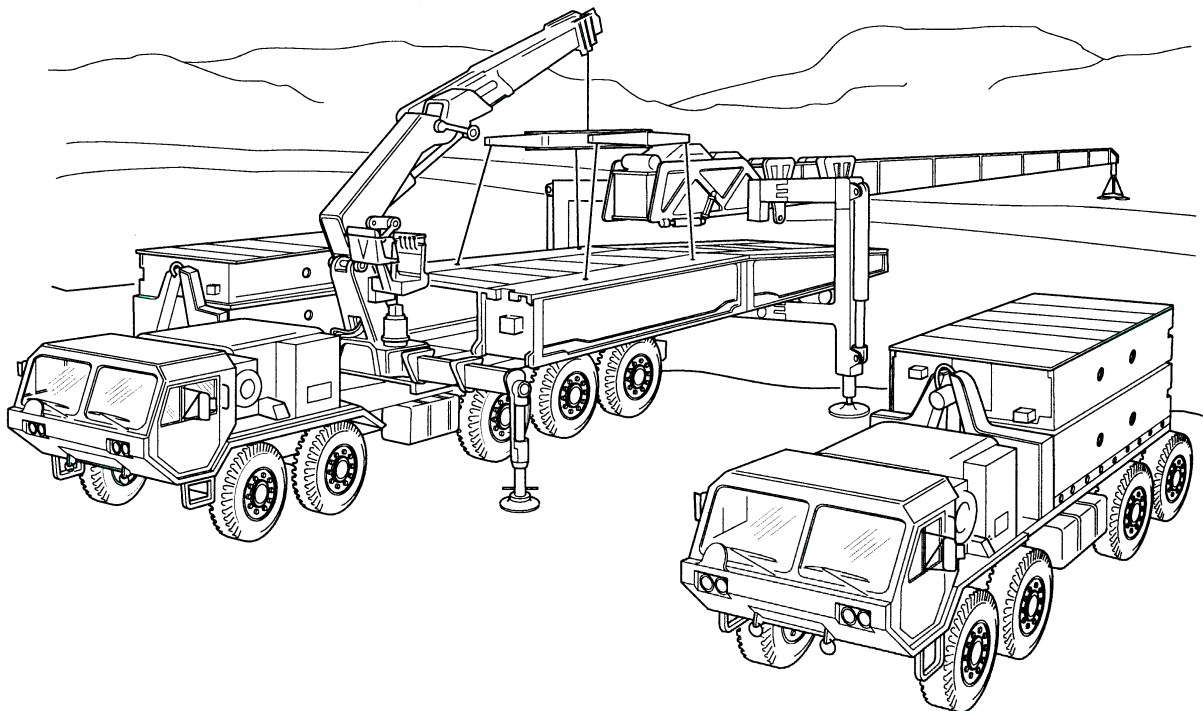


**UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (RPSTL)**

FOR

DRY SUPPORT BRIDGE (DSB)

(NSN 5420-01-469-7479)



Approved for public release: distribution is unlimited

TECHNICAL MANUAL
TM 5-5420-279-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 8 April 2003

**UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT
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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR**PARTS AND SPECIAL TOOLS LISTS (RPSTL) - INTRODUCTION****0001 00****SCOPE**

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, diagnostic equipment (TMDE) and other special support equipment required for performance of Unit, Direct Support and General Support maintenance of the Dry Support Bridge (DSB). It authorizes the requisitioning, issue, and disposition of spares, repair parts, and Special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

GENERAL

In addition to the Introduction work package, this RPSTL is divided into the following work packages:

a. **Repair Parts List Work Packages.** Work packages containing lists of spares and repair parts authorized by this RPSTL, for use in Performance Maintenance. These work packages also include parts that must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending Units, brackets, filters, and bolts are listed with the components on which they are mounted to. Bulk materials are listed by item name in FIG. BULK at the end of the work packages. Repair parts kits are listed separately in their own functional Group and work package. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations.

b. **Special Tools List Work Packages.** Work packages containing lists of special tools, special TMDE, and special support equipment authorized by this RPSTL [as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column]. Tools that are components of common tool sets and/or Class VII are listed.

c. **Cross-reference Indexes Work Packages.** There are two cross-reference indexes work packages in this RPSTL.

They are National Stock Number Index and Part Number Index.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

- a. **Item No. (Column 1).** Indicates the number used to identify items called out in the illustration.
- b. **SMR Code (Column 2).** The SMR code containing supply/requisitioning information, maintenance level authorization criteria and disposition instruction, as shown in the following breakout:

SOURCE CODE	MAINTENANCE CODE		RECOVERABILITY CODE
XXxxx	XxXXx		XxxxX
1 st two positions	3 rd position	4 th position	5 th position
How you get an item	Who can install, replace complete Or use the item.	Who can do Repair* on the item.	Who determines disposition action on an unserviceable item.

* *Complete Repair:* Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR

PARTS AND SPECIAL TOOLS LISTS (RPSTL) - INTRODUCTION CONTINUED

0001 00

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES – CONTINUED

- (1) **Source Code.** The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

Code	Application/Explanation
PA PB PC PD PE PF PG	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the maintenance category indicated by the code entered in the third position of the SMR code. <i>Items coded PC is subject to deterioration.</i> Items with these codes are not to be requested/requisitioned individually. They are part of a kit, which is authorized to the maintenance level, indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.
KD KF KB	 Items with these codes are not to be requested/requisitioned individually. They must be made from bulk materiel which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the bulk materiel group work package of the RPSTL. If the item is authorized to you by the third position of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.
MO - Made at Organizational/ AVUM level MF - Made at DS/AVIM Level MH - Made at GS Level ML - Made at SRA MD - Made at Depot	 Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the third position of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.
AO-Assembled by Organizational/ AVUM level AF-Assembled by DS/ AVIM level AH-Assembled by GS level AL-Assembled by SRA AD-Assembled by Depot	 Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the third position of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.
XA XB	Do not requisition an "XA" coded item. Order the next higher assembly. (Refer to NOTE below). If an item is not available from salvage, order it using the CAGEC and P/N.
XC	Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer's P/N.
XD	Item is not stocked. Order a SD-coded item through normal supply channels using the CAGEC and P/N given if no NSN is available.

NOTE

Cannibalization of controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR

PARTS AND SPECIAL TOOLS LISTS (RPSTL) - INTRODUCTION CONTINUED

0001 00

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES - CONTINUED

(2) **Maintenance Code.** Maintenance codes tell you the level(s) of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) **Third Position.** The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance:

Code	Application/Explanation
C.	Crew or Operator maintenance done within Organizational/AVUM maintenance.
O.	Organizational Level/AVUM maintenance can remove, replace, and use the item.
F.	Direct Support/AVIM maintenance can remove, replace, and use the item.
H.	General Support maintenance can remove, replace, and use the item.
L.	Specialized Repair Activity (SRA) can remove, replace, and use the item.
D.	Depot Maintenance can remove, replace, and use the item.

(b) **Fourth position.** The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (perform all authorized repair functions).

NOTE

Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.

Code	Application/Explanation
O.	Organizational/AVUM is the lowest level that can do complete repair of the item.
F.	Direct Support/AVIM is the lowest level that can do complete repair of the item.
H.	General Support is the lowest level that can do complete repair of the item.
L.	Specialized Repair Activity (SRA) is the lowest level that can do complete repair of the item.
D.	Depot is the lowest level that can do complete repair of the item.
Z.	Non repairable, no repair is authorized.
B.	No repair is authorized. No parts or special tools are authorized for the maintenance of a "B"-coded item. However, the item may be reconditioned by adjusting, lubricating etc., at the user level.

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR

PARTS AND SPECIAL TOOLS LISTS (RPSTL) - INTRODUCTION CONTINUED

0001 00

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES – CONTINUED

(3) **Recoverability Code.** Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR code as follows:

Code	Application/Explanation
Z	Non-repairable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of the SMR code.
O	Repairable item. When uneconomically repairable, condemn and dispose of the item at the organizational level maintenance.
F	Repairable item. When uneconomically repairable, condemn and dispose of the item at Direct Support level.
H	Repairable item. When uneconomically repairable, condemn and dispose of the item at General Support level.
D	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item is not authorized below depot level.
L	Repairable item. Condemnation and disposal of item not authorized below Specialized Repair Activity (SRA).
A	Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. **NSN - (Column 3).** The NSN for the item is listed in this column.

d. **CAGEC (Column 4).** The Commercial and Government Entity Code (CAGEC) is a five-digit code which is used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

e. **PART NUMBER (Column 5).** Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different part number than the part ordered.

f. **DESCRIPTION AND USABLE ON CODE (UOC) (Column 6).** This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) P/Ns of bulk materials are referenced in this column in the line entry to be manufactured or fabricated.
- (3) Hardness Critical Item (HCI). A support item that provides the equipment with special protection from electromagnetic pulse (EMP) damage during a nuclear attack.
- (4) The statement END OF FIGURE appears just below the last item description in column (6) for a given figure in both the repair parts list and special tools list work packages.

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR

PARTS AND SPECIAL TOOLS LISTS (RPSTL) - INTRODUCTION CONTINUED

0001 00

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES – CONTINUED

- g. **QTY (Column 7).** The QTY (quantity per figure) column indicates the quantity of the item used in the breakout shown on the illustration/figure, which is prepared for a functional group, sub-functional group, group or an assembly.
“V” appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

EXPLANATION OF CROSS-REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS

a. **National Stock Number (NSN) Index Work Package.**

- (1) **STOCK NUMBER Column.** This column lists the NSN by National Item Identification Number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN (i.e., NSN 5305-01-674-1467). When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.
(2) **FIG. Column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.
(3) **ITEM Column.** The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

- b. **Part Number (P/N) Index Work Package.** Part numbers in this index are listed in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination, that places the first letter or digit of each group, in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

- (1) **PART NUMBER Column.** Indicates the P/N assigned to the item.
(2) **FIG. Column.** This column lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.
(3) **ITEM Column.** The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

SPECIAL INFORMATION

- a. **Usable On Code (UOC).** The UOC appears in the lower left corner of the DESCRIPTION column heading. Usable on codes are shown as “UOC:” in the Description Column (justified left) on the first line under the applicable item/nomenclature. Uncoded items are applicable to all models. Identification of the UOC’s used in the RPSTL are:
- | Code | Used On |
|------|---------|
| N/A | N/A |
- b. **Fabrication Instructions.** Bulk materials required to manufacture items are listed in the Bulk Materiel functional group of this RPSTL. Part numbers for bulk materiel are also referenced in the Description Column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in TM 5-5420-279-24.
- c. **Index Numbers.** Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number, is a cross-reference between the NSN/P/N Index Work Package and the Bulk Materiel List, in the Repair Parts list Work Package.

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR**PARTS AND SPECIAL TOOLS LISTS (RPSTL) - INTRODUCTION CONTINUED****0001 00**

SPECIAL INFORMATION – CONTINUED

- d. **Associated Publications.** The publication(s) listed below pertain to the Dry Support Bridge (DSB) and their components:

Publication Short Title

TM 5-5420-279-10	Operator's Manual for Dry Support Bridge (DSB)
TM 5-5420-279-24	Maintenance Manual for Dry Support Bridge (DSB)

HOW TO LOCATE REPAIR PARTS

- a. **When National Stock Numbers or Part Numbers are Not Known:**
- (1) **First.** Using the Table of Contents, determine the assembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.
 - (2) **Second.** Find the figure covering the assembly group or subassembly group to which the item belongs.
 - (3) **Third.** Identify the item on the figure and note the number(s).
 - (4) **Fourth.** Look in the Repair Parts List work packages for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.
- b. **When National Stock Number is Known:**
- (1) **First.** If you have the NSN, look in the STOCK NUMBER column of the NSN index work package. The NSN is arranged in NIIN sequence. Note the figure and item number next to the NSN.
 - (2) **Second.** Turn to the figure and locate the item number. Verify that the item is the one you are looking for.
- c. **When Part Number is known.**
- (1) **First.** If you have the P/N and not the NSN, look in the PART NUMBER column of the P/N index work package. Identify the figure and item number.
 - (2) **Second.** Look up the item on the figure in the applicable Repair Parts List work package.

ABBREVIATIONS

For standard abbreviations see MIL-STD-12D, *Military Standard Abbreviations for Use on Drawings, Specifications, Standards, and in Technical Documents.*

Abbreviations Explanation

NIIN	National Item Identification Number (consists of the last 9 dig-its of the NSN)
RPSTL	Repair Parts and Special Tools Lists
SMR	Source, Maintenance, and Recoverability Code
TMDE.	Test, Measurement, and Diagnostic Equipment.

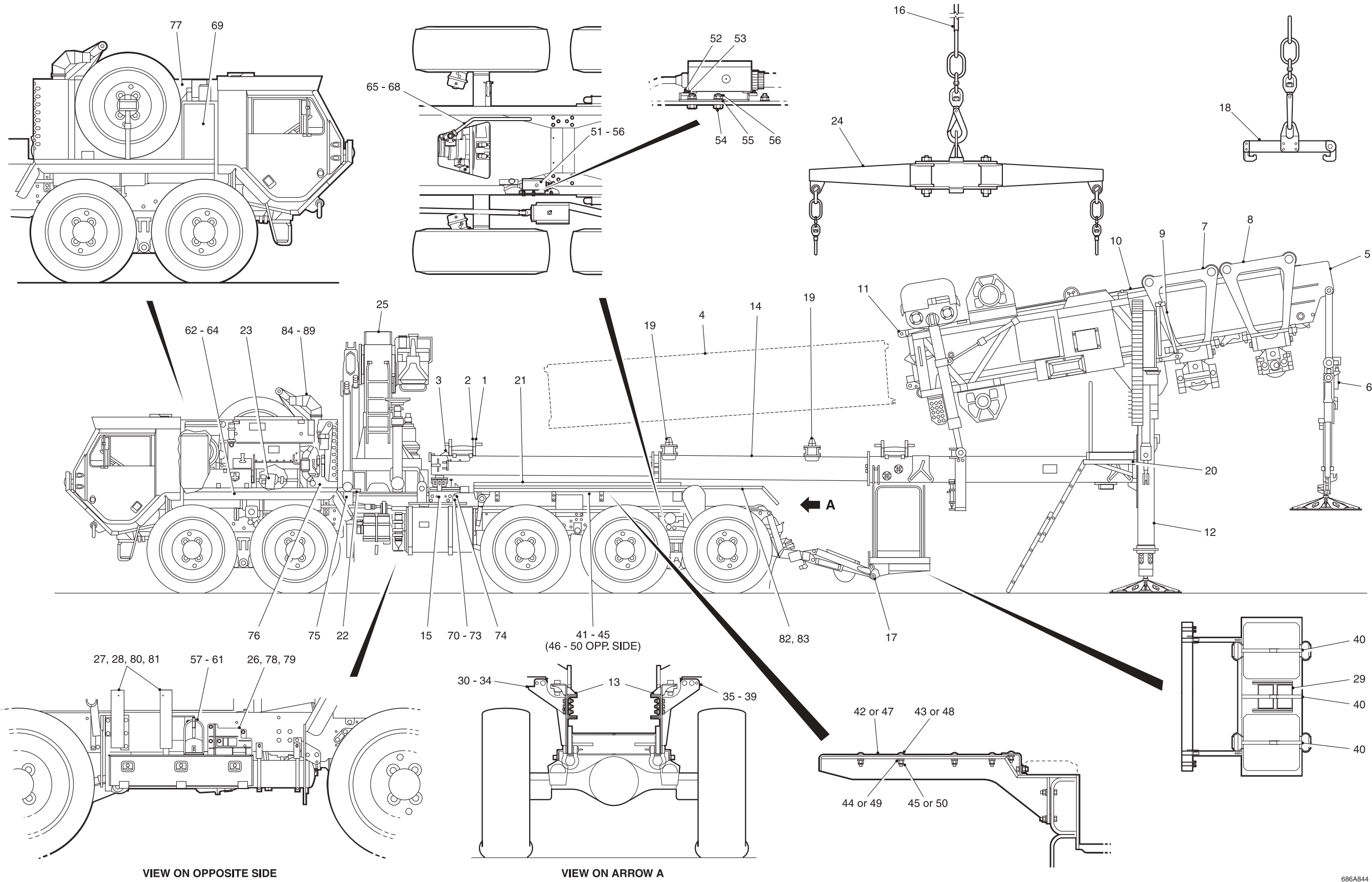


Fig 1 Launcher General Installation

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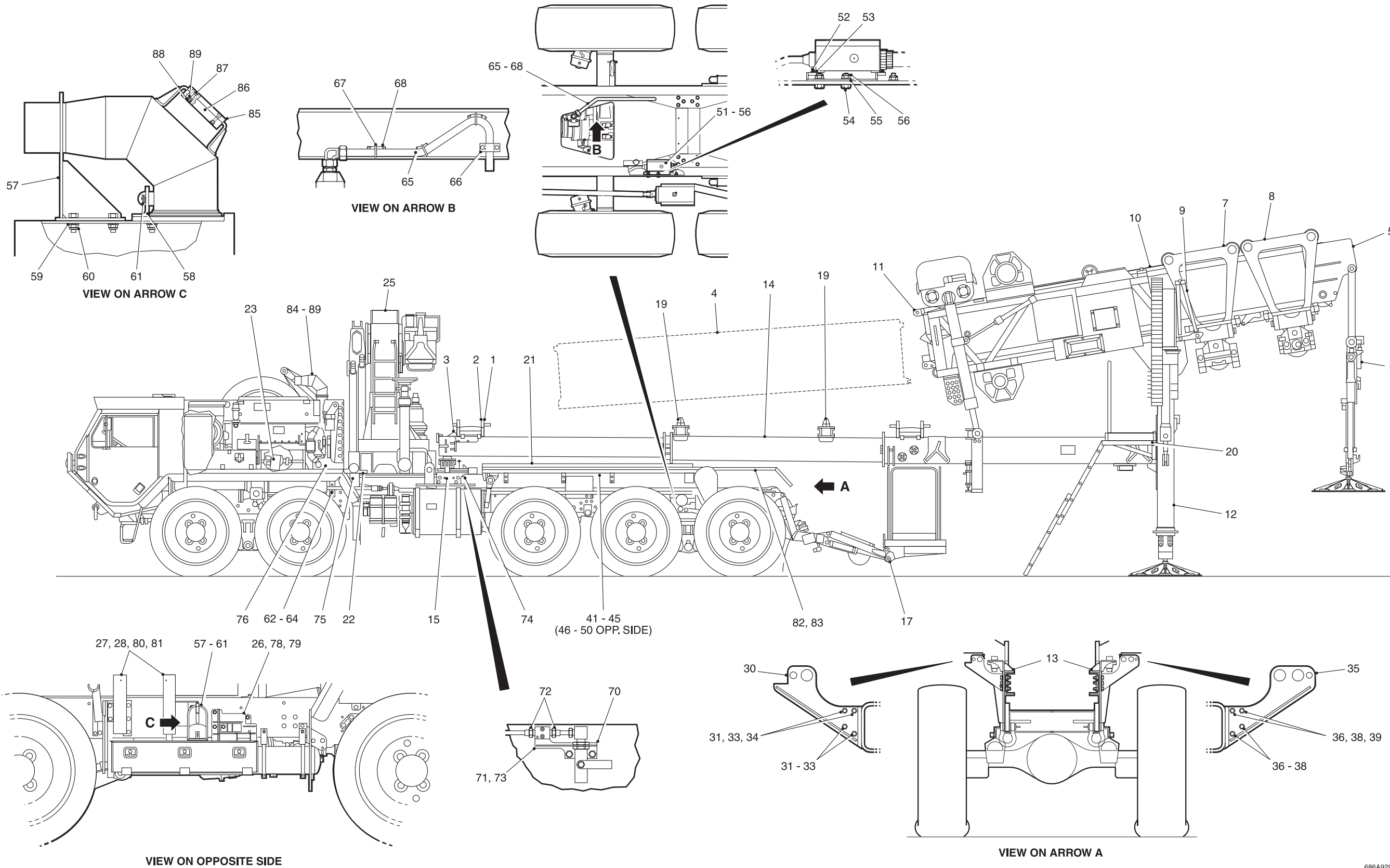


Fig 1A Launcher General Installation

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SECTION II

TM 5-5420-279-24P

(1) Item	(2) SMR Code	(3) NSN	(4) CAGEC	(5) Part Number	(6) Usability On Codes (UOC) & Description	(7) Qty
1	PBOOO	5420-99-225-8048	K7705	G316/4740/1	* END BEAM GUIDE ASSEMBLY L.H.	1
2	PBOOO	5420-99-611-7402	K7705	G316/4740/2	* END BEAM GUIDE ASSEMBLY R.H.	1
3	PBOOO	5420-99-335-7331	K7705	G316/4747/1	* POSITIONING END BEAM	4
4	PBOLL	5420-99-723-4050	K7705	G409/4505/1	* LAUNCH BEAM	1
5	PFFFF	5820-99-256-2142	K7705	G410/4514/1	* FORWARD LAUNCH BEAM	1
6	PAOLL		K7705	G414/4531/1	* FAR BANK SUPPORT	1
7	PBFFF	5420-99-490-3988	K7705	G412/4567/1	* LAUNCHER CARRIAGE ASSEMBLY (HOME BANK)	1
8	PBFFF	5420-99-147-5574	K7705	G412/4568/1	* LAUNCHER CARRIAGE ASSEMBLY (FAR BANK)	1
9	PFOOO	5420-99-147-5595	K7705	G412/4657/1	* CARRIAGE RESTRAINT	2
10	XC		K7705	G412/4697/1	* ROPE REEVE DIAGRAM	1
11	XC		K7705	G413/4633/1	* FRAME ASSEMBLY, LAUNCH	1
12	XC		K7705	G414/4614/1	* A-FRAME ASSEMBLY	1
13	XC		K7705	G414/4746/1	* A-FRAME HEIGHT AID	1
14	PFFFF	5420-99-992-1352	K7705	G415/4640/1	* SLIDE FRAME ASSEMBLY	1
15	PFOOO	5420-99-665-6229	K7705	G419/4685/1	* RELAX MECHANISM	1
16	PAOOO	3940-99-700-6075	K7705	G416/4653/1	* SLING ASSEMBLY	1
17	PFOOO		K7705	G416/4654/1	* TAIL LIFT ASSEMBLY	1
18	PBOFF	3940-99-614-0548	K7705	G416/4662/1	* BEAM, HOISTING	1
19	PFOOO	5420-99-601-8388	K7705	G416/4669/1	* GUIDE ROLLER ASSEMBLY	4
20	XC		K7705	G416/4706/1	* VEHICLE WALKWAY ASSEMBLY	1
21	PFOOO	5420-99-995-4257	K7705	G416/4760/1	* GUIDE CHANNEL ASSEMBLY	1
22	XC		K7705	G416/4800/1	* FOOT PLATE ASSEMBLY	1
23	XC		K7705	G417/4562/1	* PTO & HYDRAULIC PUMP INSTALLATION	1
24	PBFFF	3940-99-450-6562	K7705	G420/4558/1	* BEAM, HOISTING	1
25	XC		K7705	G418/4615	* CRANE INSTALLATION	1
26	PFOZZ	5340-99-975-6440	K7705	G406/4889/1	* BRACKET, MULTIPLE ANGLE	1
27	PFOZZ	5340-99-333-0042	K7705	G406/4890/1	* BRACKET, MULTIPLE ANGLE L.H.	1
28	PFOZZ	5340-99-164-4009	K7705	G406/4890/6	* BRACKET, MULTIPLE ANGLE R.H.	1
29	PAOZZ	5440-99-288-9384	K7705	G016/5034/1	* FOLDING STEPS	1
30	PFOZZ	5340-99-879-0797	K7705	G415/4896/2	** BRACKET.MOUNTING	1
31	PFOZZ	5310-99-131-4284	K7705	N6031915	** NUT,SELF-LOCKING HEXAGON M10 X 1.5	4
32	PFOZZ	5305-99-498-8785	K7705	S603141525	** SCREW, CAP, HEXAGON HEAD M10 X 35MM LG	2
33	PFOZZ	5310-99-147-5823	K7705	W6030115	** WASHER,FLAT M10	4
34	PFOZZ	5305-99-398-1189	K7705	S606071526	** BOLT,MACHINE M10 X 40MM LG	2
35	PFOZZ	5340-99-398-2268	K7705	G415/4897/2	** BRACKET.MOUNTING	1
36	PFOZZ	5310-99-131-4284	K7705	N6031915	** NUT,SELF-LOCKING HEXAGON M10 X 1.5	4
37	PFOZZ	5305-99-498-8785	K7705	S603141525	** SCREW, CAP, HEXAGON HEAD M10 X 35	2
38	PFOZZ	5310-99-147-5823	K7705	W6030115	** WASHER,FLAT M10	4
39	PFOZZ	5305-99-398-1189	K7705	S606071526	** BOLT,MACHINE M10 X 40MM LG	2
40	PFOZZ	3990-99-347-0193	K7705	6794110-3MB	* TIE DOWN,CARGO,VEHICLE	3
41	PFOZZ	2510-99-992-1377	K7705	G416/4809/1	* FENDER,VEHICULAR L.H.	1
42	PAOZZ	2540-99-226-6404	K7705	G416/4809/3	** GUARD,SPLASH,VEHICULAR	1
43	PFOZZ	5306-99-461-4363	K7705	S606181424	** BOLT,INTERNAL WRENCHING M8 X 30MM LG	8
44	PFOZZ	5310-99-979-1373	K7705	N6061914	** NUT,SELF-LOCKING HEXAGON M8 X 1.25	8
45	PFOZZ	5310-99-758-4356	K7705	W6030114	** WASHER,FLAT M8	8
46	PFOZZ	2510-99-213-2072	K7705	G416/4809/2	* FENDER,VEHICULAR R.H.	1
47	PAOZZ	2540-99-325-0447	K7705	G416/4809/4	** GUARD,SPLASH,VEHICULAR	1
48	PFOZZ	5306-99-461-4363	K7705	S606181424	** BOLT,INTERNAL WRENCHING M8 X 30MM LG	8
49	PFOZZ	5310-99-979-1373	K7705	N6061914	** NUT,SELF-LOCKING HEXAGON M8 X 1.25	8
50	PFOZZ	5310-99-758-4356	K7705	W6030114	** WASHER,FLAT M8	8
51	PFOZZ	5340-99-770-3280	K7705	G406/4927/1	* BRACKET,MOUNTING (FOR JUNCTION BOX)	1
52	PFOZZ		K7705	S603141321	** BOLT,MACHINE M6 X 20MM LG	4
53	PFOZZ	5310-99-131-3157	K7705	W6030113	** WASHER,FLAT M6	4
54	PFOZZ	5306-99-401-8412	K7705	S606141928	** BOLT,INTERNAL WRENCHING M16 X 50MM LG	1
55	PFOZZ	5310-99-131-3154	K7705	W6030119	** WASHER,FLAT M16	1