

TM 11-5895-1957-13&P-2

TECHNICAL MANUAL

OPERATOR AND FIELD MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER VOLUME 2 OF 2

AN/TSC-202
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HEADQUARTERS, DEPARTMENT OF THE ARMY

20 DECEMBER 2013

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WARNING SUMMARY

FIRST AID

Refer to FM 21-11, First Aid for Soldiers.



5

SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK

1

DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL

2

IF POSSIBLE, TURN OFF THE ELECTRICAL POWER

3

IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH, OR LIFT THE PERSON TO SAFETY USING A DRY WOODEN POLE OR A DRY ROPE OR SOME OTHER INSULATING MATERIAL

4

SEND FOR HELP AS SOON AS POSSIBLE

5

AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION

WARNINGS AND SAFETY

Read and comply with all warnings, cautions, and instructions to ensure personnel safety and health and the protection of property. Portions of this information may be repeated in certain chapters of this publication for emphasis. WARNING, AND CAUTION statements have been strategically placed in the text to emphasize certain steps or procedures for the protection of personnel (**WARNING**) or equipment (**CAUTION**). **WARNING** or **CAUTION** once provided would apply each time the related step is repeated, regardless of the number of times the WARNING or CAUTION is repeated throughout the text. Prior to starting any task, the WARNINGS or CAUTIONS included in the text for that task should be reviewed and understood.

DEFINITIONS

Definitions of the Satellite Transportable Terminal - High Power (STT-HP) Warnings, Cautions, and Notes are described below.

- Warning - An operating or maintenance procedure, practice, condition, statement, etc., which, if not strictly observed, could result in injury to or death of personnel.
- Caution - An operating or maintenance procedure, practice, condition, statement, etc., which indicates a potentially hazardous situation which, if not strictly observed, could result in damage to or destruction of equipment, or loss of mission effectiveness.
- Note - An essential operating or maintenance procedure, condition, or statement that must be emphasized.

GENERAL SAFETY GUIDELINES

Keep Away From Live Circuits

Operating personnel must at all times observe safety regulations. Do not replace components or make adjustments inside the equipment with the voltage supply turned on. The main cut-off does not remove power from the battery output. Under certain conditions, dangerous potentials may exist when the power control is in the off position, due to charges retained by capacitors. To avoid injuries, always remove power from, discharge, and ground a circuit before touching it. Follow all local lockout and tag procedures for commercial power sources.

Services or Adjustments

Do not attempt internal service or adjustment unless another person capable of rendering aid and resuscitation is present.

Resuscitation

Personnel working with or near dangerous voltage shall be trained in modern methods of resuscitation.

Compressed Air

Use of compressed air for cleaning can create an environment of propelled foreign particles. Air pressure shall be reduced to less than 15 psi and used with effective chip guarding and personnel protective equipment.

Safety Considerations (STT-HP)

The operation of the STT-HP may involve some of the following hazards. Any of them could result in serious harm to personnel if proper safety precautions are not taken.

WARNING

Parking brakes must be enabled before system operation. Unexpected movement of the trailer could result in injury to personnel.

Jacks must be properly installed and deployed before system operation to stabilize the trailer. Unexpected movement of the trailer could result in injury to personnel.

Excessively strong winds above 60 MPH (96.6 km/h) may tip the STT-HP trailer over, resulting in injury to personnel. Before winds reach 60 MPH (96.6 km/h), stow the satellite antenna.

Radio Frequency (RF) power and high voltage - 15,000 VAC. There is a potential electrical shock hazard to personnel. Service by authorized personnel only.

Before deploying the satellite antenna, check for overhead electrical lines. There is a potential electrical shock hazard to personnel if the antenna or any part of the trailer touches electrical lines.

Do not step on satellite antenna assembly. Stepping on satellite antenna assembly may result in serious injury or death from fall.

CAUTION

Do not step on satellite antenna assembly. Stepping on satellite antenna assembly may result in damage to the satellite antenna.

STT-HP trailer must be towed level by a vehicle capable of towing 4200 lbs.

NOTE

Strong winds exceeding 45 MPH (72.4 km/h) may adversely affect system operation, including degraded or loss of satellite communication.

Safety Considerations (High Power Amplifier)

The operation of the High Power Amplifier (HPA) may involve some of the following hazards. Any of them could result in serious harm to personnel if proper safety precautions are not taken.

WARNING

Lethal voltages up to 15,000 VAC are present in the HPA when it is operating. Use extreme caution when inside the unit. Do not insert objects through air intake screen on rear of drawer. When testing, always ground the drawer chassis.

Exposure to RF radiation may cause serious bodily injury, possibly resulting in blindness or death. Cardiac pacemakers may be affected. Always terminate both the RF input and RF output, even during tests that involve no RF drive, to avoid the RF hazard should the Traveling Wave Tube Amplifier (TWTA) oscillate.

The dust or fumes from Beryllium Oxide (BeO) ceramics used in microwave tubes are highly toxic and can cause serious injury or death.

Ceramic windows from microwave tubes can shatter on impact or crack in use resulting in injury from Beryllium Oxide (BeO) dust or fumes.

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High voltage tubes can produce dangerous, possibly fatal x-rays.

RF radiation is very dangerous. Always remain clear of satellite antenna radiation region (49.21 feet or 15 m).

CAUTION

Do not make changes to the HPA without thoroughly understanding the Operations and Maintenance for the HPA. The HPAs are very expensive, dangerous, and can be damaged very easily. Do not overdrive this unit or operate it without proper termination (load).

Surface temperature of tubes and other air-cooled ports can reach several hundred degrees Centigrade.

Drive levels as low as -24.3 dBm for the HPA may damage the unit depending upon the settings of the system attenuator. Apply RF with caution. Always terminate RF input and output ports properly when AC power is supplied to the TWTA.

Additional Warning and Cautions

WARNING

There are no user-serviceable parts or configuration settings inside the Frequency Division Multiple Access (FDMA) modem chassis. There is a potential shock hazard internally at the power supply module. DO NOT open the FDMA modem chassis under any circumstances.

Use of controls, adjustments, or the performance of procedures other than those specified herein may result in hazardous radiation exposure which may cause serious bodily injury, possibly resulting in blindness or death. Cardiac pacemakers may be affected.

When fiber cable is disconnected, do not stare into beam or view directly with optical instruments. Directly viewing the beam can result in damage to vision or blindness.

HPAs require a two-person lift. Failure to properly lift an HPA can result in permanent injury or death to personnel.

Electrical shock hazard. Observe safety regulations at all times. Do not replace components or make adjustments inside the equipment with the voltage supply turned on. The main circuit breaker does not remove power from the battery output. Under certain conditions, dangerous voltage/current may exist when the power source is in the off position, due to charges retained by capacitors.

CAUTION

Ensure proper APU fuel connections. Improper connections can result in damage to equipment.

Do not overload the scissor jack. The scissor jack has a 7,000 lbs. (3175.15 kg) capacity.

If you experience a safety hazard or incident, notify your unit Safety Officer; file a SF 368 (Product Quality Deficiency Report); notify the AMSEL-LCL-ECM Safety Office, Aberdeen Proving Grounds, MD, DSN: 648-3812 or commercial 433-395-3812.

LIST OF EFFECTIVE PAGES/WORK PACKAGES

NOTE: Zero in the "Change No." column indicates an original page or work package.

Date of issue of original manual is:

Original 20 DECEMBER 2013

TOTAL NUMBER OF VOLUMES IS 2, TOTAL NUMBER OF PAGES FOR FRONT AND REAR MATTER IS 118 (58 IN VOLUME 1 AND 60 IN VOLUME 2), AND TOTAL NUMBER OF WORK PACKAGES IS 236, CONSISTING OF THE FOLLOWING:

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**OPERATOR AND FIELD MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
VOLUME 2 of 2**

**AN/TSC-202
NSN 5895-01-608-2698 (EIC: N/A)**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Reports, as applicable by the requiring Service, should be submitted as follows:

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CHAPTER 6
PARTS INFORMATION

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
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INTRODUCTION

This work package contains the Repair Parts and Special Tools List (RPSTL) work package index for the STT-HP.

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END OF WORK PACKAGE

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
RPSTL INTRODUCTION**

INTRODUCTION

SCOPE

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of Operator/Crew, Unit Level, Direct Support, General Support and Depot maintenance of the Satellite Transportable Terminal - High Power (STT-HP). 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, this RPSTL is divided into the following work packages:

1. Repair Parts List (WP 0182). Work packages containing lists of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. These work packages also include parts which 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 component they mount on. Bulk materials are listed by item name in FIG. BULK at the end of the work packages. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations.
2. 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 not listed.
3. Cross-Reference Indexes Work Packages. There are two cross-reference indexes work packages in this RPSTL: the National Stock Number (NSN) Index work package (WP 0230), and the Part Number (P/N) Index work package (WP 0231). The National Stock Number Index work package refers you to the figure and item number. The Part Number Index work package refers you to the figure and item number.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST WORK PACKAGE

ITEM NO. (Column (1)). Indicates the number used to identify items called out in the illustration.

SMR CODE (Column (2)). The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instructions, as shown in the following breakout.

Table 1. SMR Code Explanation.

<u>SOURCE CODE XX</u>	<u>MAINTENANCE CODE XX</u>	<u>RECOVERABILITY CODE X</u>
1st two positions: How to acquire an item.	3rd position: Who can install, replace, or use the item.	4th position: Who can do complete repair* on the item.
		5th position: Who determines disposition action on unserviceable items.

*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.

Source Code. The source code tells you how you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow: Following is a breakout of each type of code with application/explanation of each:

Table 2. Source Code.

<u>Source Code</u>	<u>Application/Explanation</u>
PA	<p style="text-align: center;">NOTE</p> <p>Items coded PC are subject to deterioration.</p> <p>Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the third position of the SMR code.</p> <p>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.</p>
PB	
PC	
PD	
PE	
PF	
PG	
PH	
PR	
PZ	
KD	<p>Items with these codes are not to be requisitioned/requested individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the bulk material group work package of the RPSTL. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at higher level, order the item from the higher level of maintenance.</p>
KF	
KB	
MF-Made at field	
MH-Made at below depot/sustainment level	
ML-Made at SRA	
MD-Made at depot	
MG-Navy only	

Table 2. Source Code.

<u>Source Code</u>	<u>Application/Explanation</u>
AF-Assembled by field AH-Assembled by below depot sustainment level AL-Assembled by SRA AD-Assembled by depot AG-Navy only	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 indicated the item is assembled at a higher level, order the item from the higher level of maintenance.
XA	Do not requisition an "XA" coded item. Order the next higher assembly. (Refer to NOTE below.)
XB	If an item is not available from salvage, order it by using the CAGEC and P/N.
XC	Installation drawings, diagrams, instruction sheets, field service drawings; identified by the manufacturer's P/N.
XD	Item is not stocked. Order an XD-coded item through normal supply channels using the CAGEC and P/N given, if no NSN is available.

NOTE

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

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 codes as follows:

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 the following levels of maintenance.

Table 3. Maintenance Code.

<u>Maintenance Code</u>	<u>Application/Explanation</u>
F -	Field maintenance can remove, replace, and use the item.
H -	Below Depot Sustainment maintenance can remove, replace, and use the item.
L -	Specialized repair activity can remove, replace, and use the item.
G -	Afloat and ashore intermediate maintenance can remove, replace, and use the item. (Navy only)
K -	Contractor facility can remove, replace, and use the item.
Z -	Item is not authorized to be removed, replace, or used at any maintenance level.
D -	Depot can remove, replace, and use the item.

*NOTE - Army may use C in the third position. However, for joint service publications, other services may use O.

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.

Table 4. Maintenance Code.

<u>Maintenance Code</u>	<u>Application/Explanation</u>
F -	Field is the lowest level that can do complete repair of the item.
H -	Below Depot Sustainment is the lowest level that can do complete repair of the item.
L -	Specialized repair activity (enter specialized repair activity or TASMG designator) 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.
G -	Both afloat and ashore intermediate levels are capable of complete repair of item. (Navy only)
K -	Complete repair capability exists at a designated contractor facility
Z -	Nonrepairable. No repair is authorized.
B -	No repair is authorized. No parts or special tools are authorized for maintenance of "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

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

Table 5. Recoverability Code.

<u>Recoverability Code</u>	<u>Application/Explanation</u>
Z -	Nonrepairable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third person of the SMR code.
F -	Repairable item. When uneconomically repairable, condemn and dispose of the item at the field level.
H -	Repairable item. When uneconomically repairable, condemn and dispose of this item at the below depot sustainment level.
D -	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of the item are not authorized below depot level.
L -	Repairable item. Condemnation and disposal not authorized below Specialized Repair Activity (SRA).
A -	Item requires special handling or condemnation procedures because of specific reasons (such as precious metal content, high dollar value, critical material, and hazardous material). Refer to appropriate manuals/directives for specific instructions.

Table 5. Recoverability Code.

<u>Recoverability Code</u>	<u>Application/Explanation</u>
G -	Filed level repairable item. Condemn and dispose at either afloat or ashore intermediate levels. (Navy only)
K -	Repairable item. Condemnation and disposal to be performed at contractor facility.

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

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.

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 from the number listed.

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. Part numbers 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.

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, subfunctional group, or an assembly. A "V" appearing in this column instead of the quantity is variable and quantity may change from application to application.

EXPLANATION OF CROSS-REFERENCE INDEXES FORMAT AND COLUMNS

1. National Stock Number (NSN) Cross Reference Index.

STOCK NUMBER Column. This column lists the NSN in National Item Identification Number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN. 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.

For example, if the NSN is 5385-01-574-1476, the NIIN is 01-574-1476.

FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts list and special tools list.

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.

2. Part Number (P/N) Index Work Package. Part numbers in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which replaces 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).

PART NUMBER Column. Indicates the part number assigned to the item.

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.

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.

HOW TO LOCATE REPAIR PARTS

1. When NSNs or Part numbers Are Not Known.

First. Using the table of contents, determine the assembly group to which the item belongs. This is necessary since the figures are prepared for assembly groups and subassembly groups, and lists are divided into the same groups.

Second. Find the figure covering the functional group to which the item belongs.

Third. Identify the item on the figure and note the number(s).

Fourth. Look in the repair parts list for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.

2. When NSN is Known.

First. If you have the NSN, look in the STOCK NUMBER column of the NSN index. The NSN is arranged in NIIN sequence. Note the figure and item number next to the NSN.

Second. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

3. When Part Number is Known.

First. If you have the P/N and not the NSN, look in the PART NUMBER column of the P/N index. Identify the figure and item number.

Second. Look up the item on the figure in the applicable repair parts list.

END OF WORK PACKAGE

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 00, SATELLITE TRANSPORTABLE TERMINAL - (HIGH POWER)**

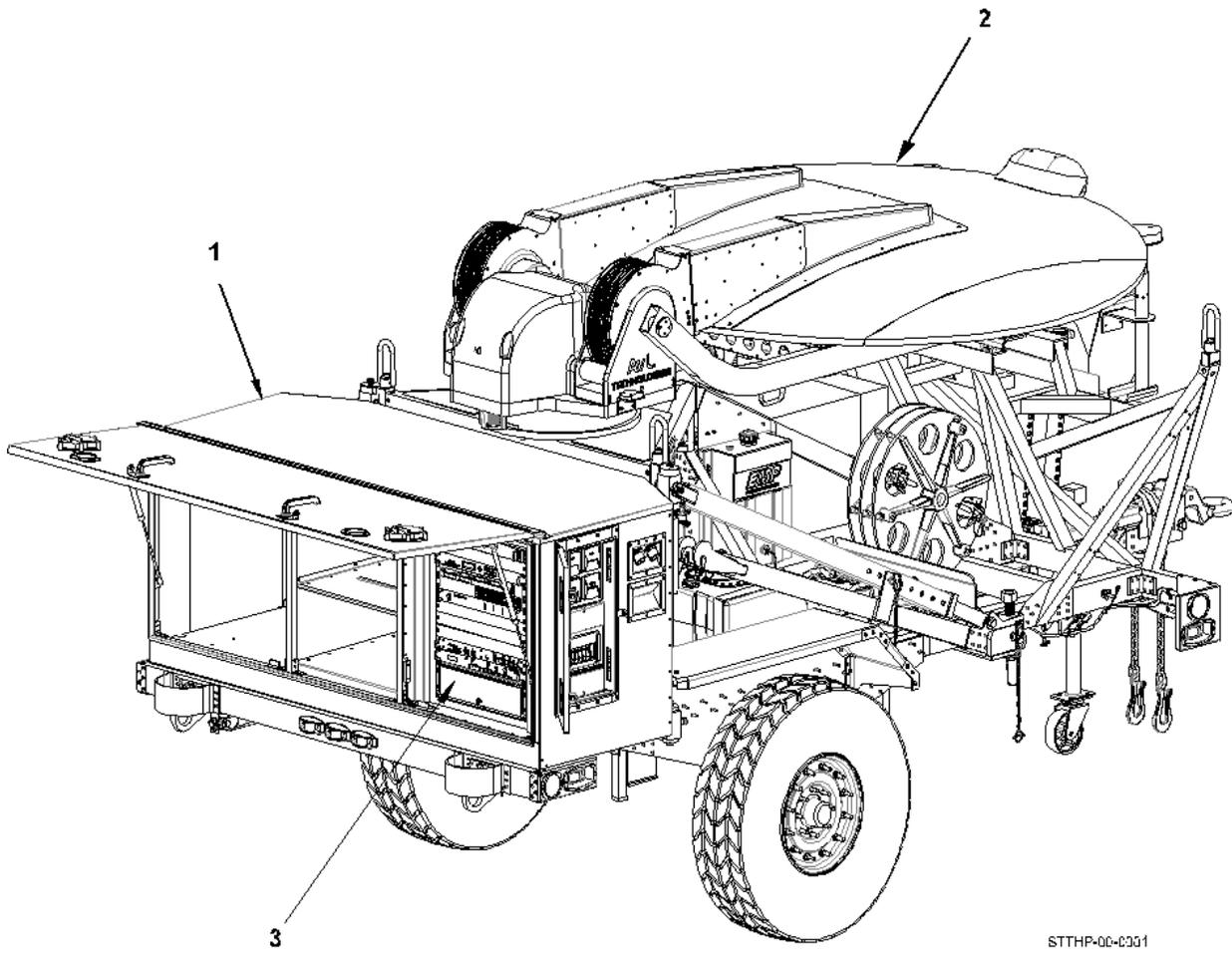
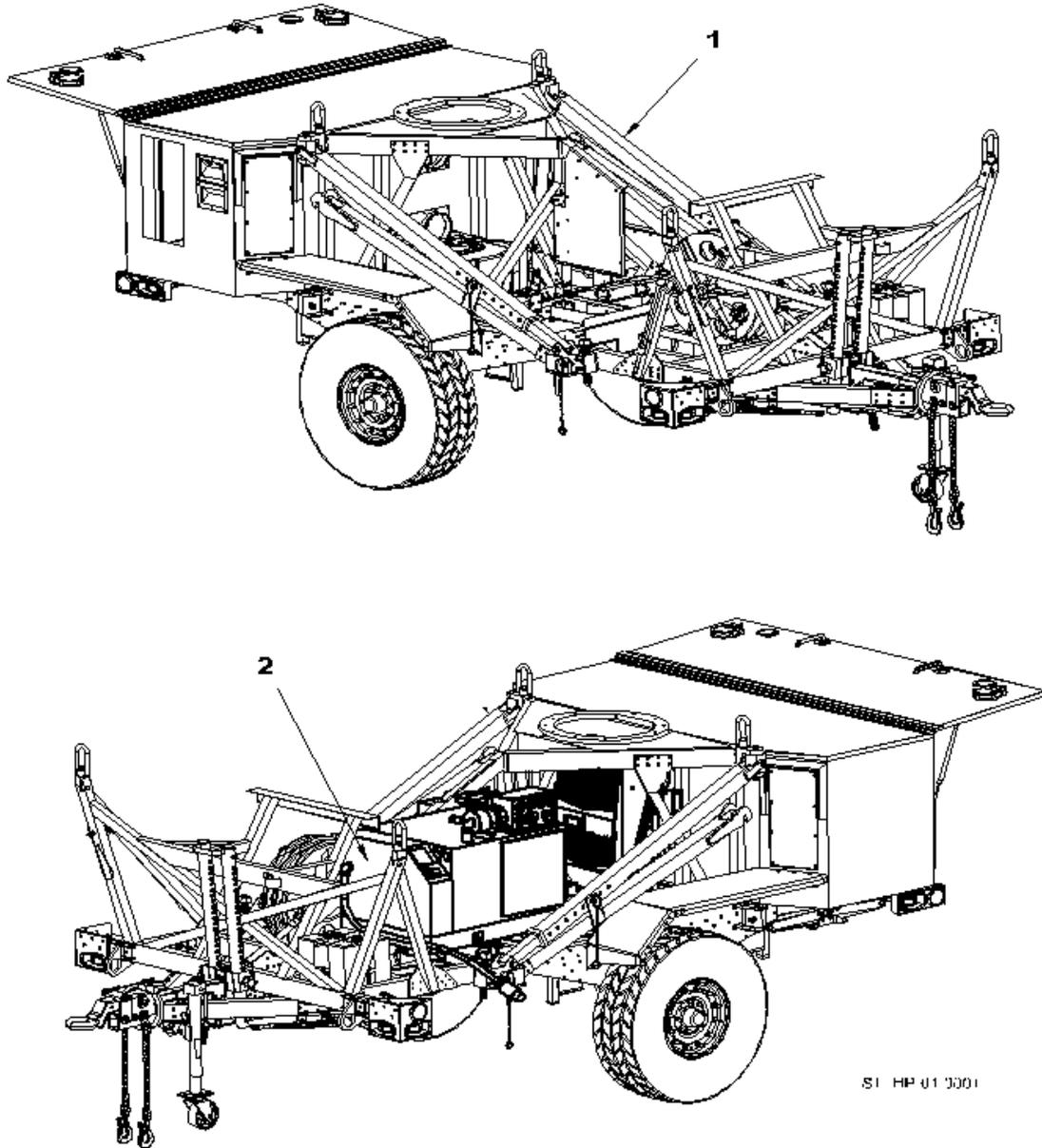


Figure 1. Satellite Communication Subsystem - Group 00.

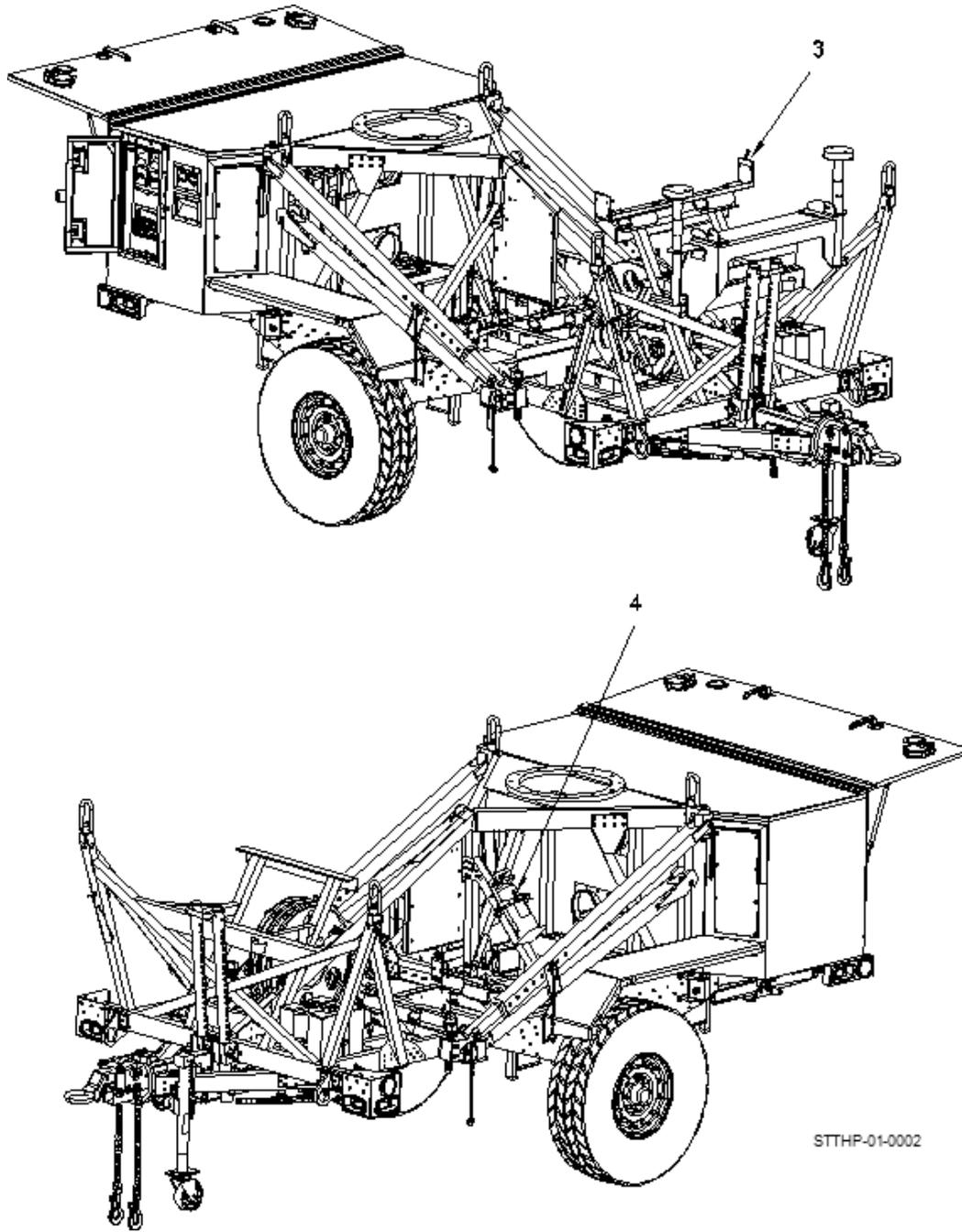
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 00, FIGURE 01; SATELLITE COMMUNICATION SUBSYSTEM, 822-3151-001 (AAA)	
1	XBCDD		0EFD0	987-0008-255	TRAILER SUBSYSTEM	1
2	XCCCC		0EFD0	987-0008-251	ANTENNA CONTROL SUBASSEMBLY	1
3	XCCCC		0EFD0	987-0008-258	ELECTRONICS SUBSYSTEM	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 01, TRAILER SUBSYSTEM**



S1 HP 01 0001

Figure 2. Trailer Subsystem - Group 01 (Sheet 1 of 2).

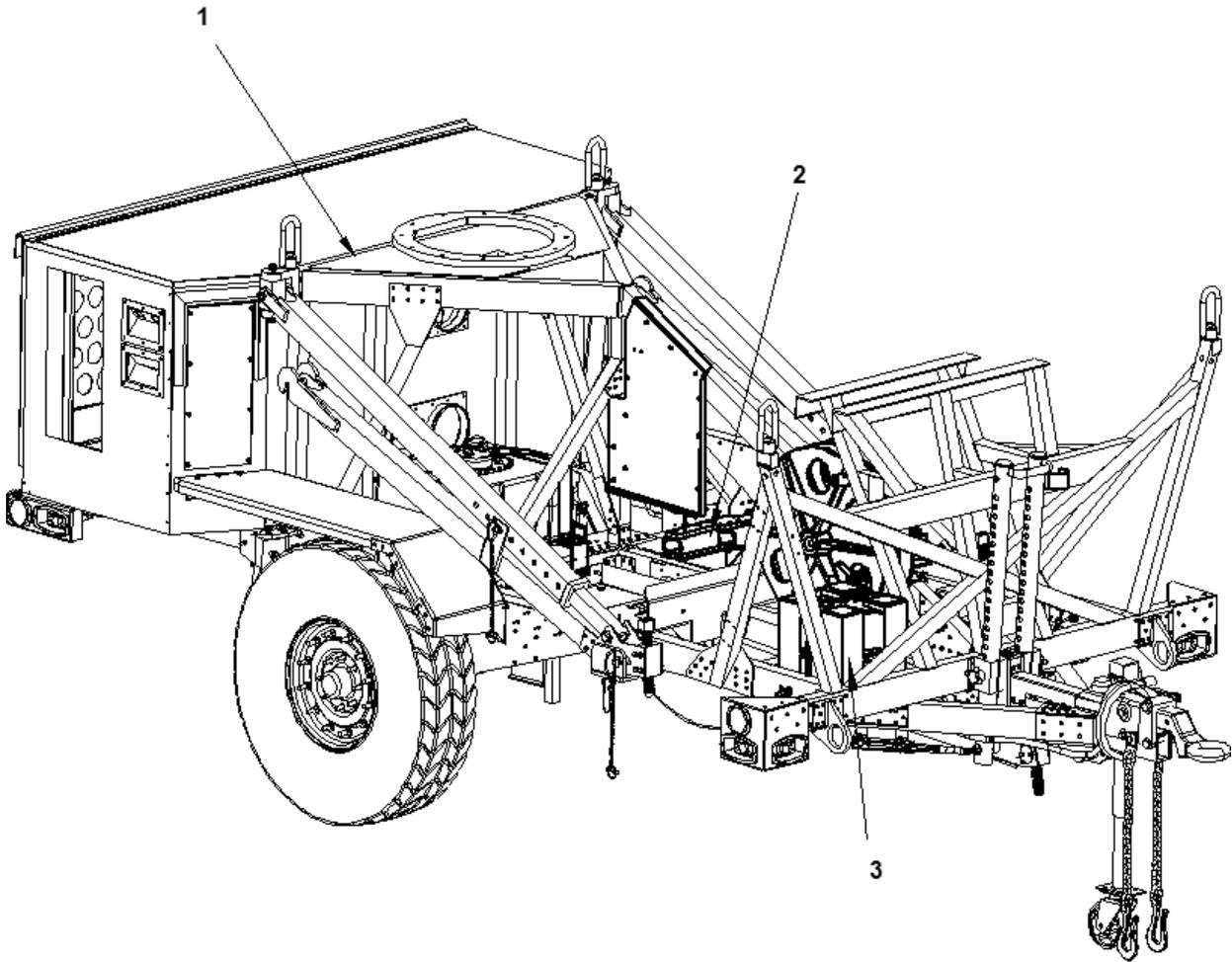


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Figure 2. Trailer Subsystem - Group 01 (Sheet 2 of 2).

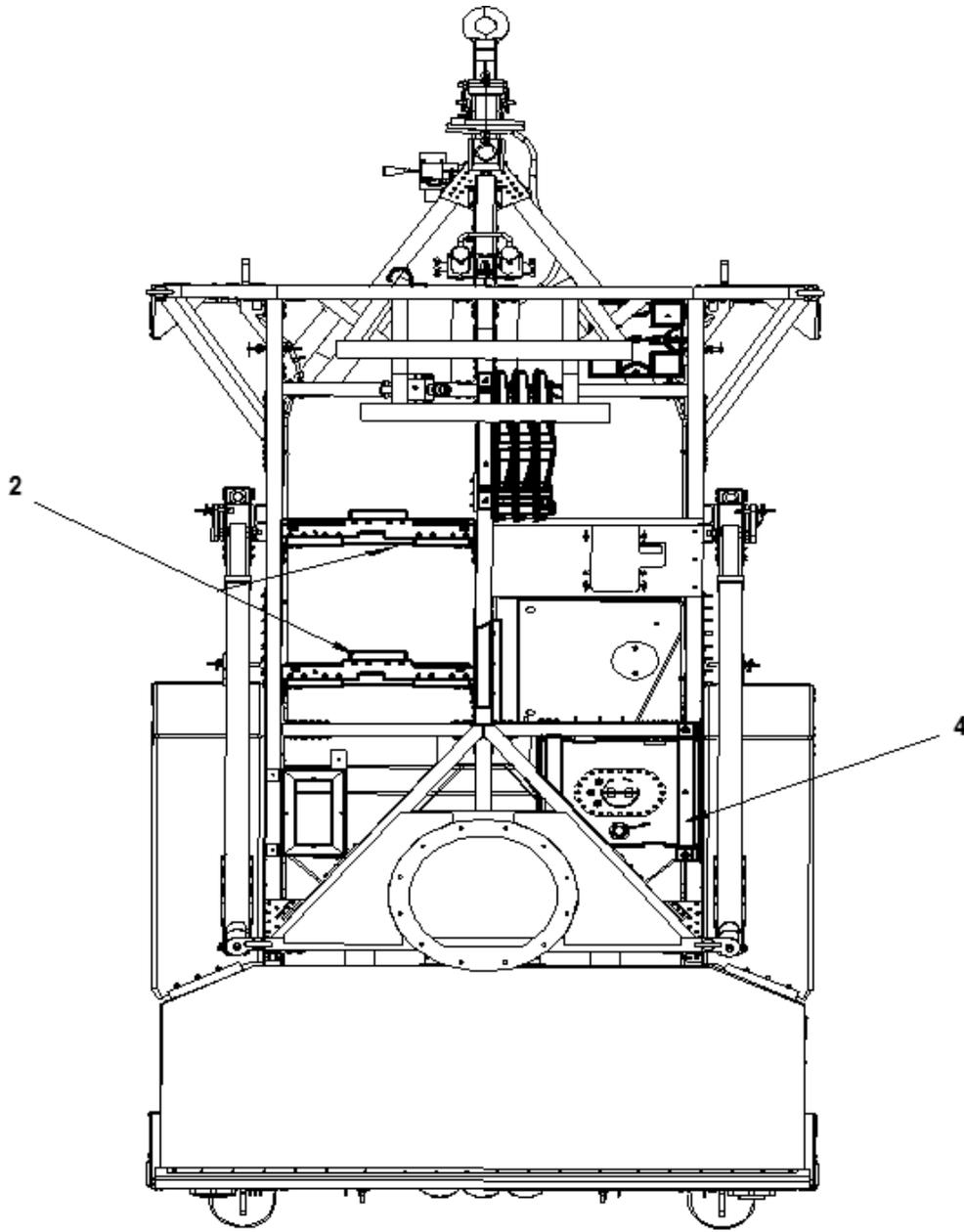
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01, FIGURE 02; TRAILER SUBSYSTEM, 987-0008-255 (A001)	
1	XCCCC		0EFD0	987-0008-257	SATELLITE COMMUNICATION SUBSYSTEM	1
2	XCCCC		0EFD0	987-0008-256	SATELLITE COMMUNICATION SUBSYSTEM	1
3	XCCCC		0EFD0	987-0008-562	MECHANICAL AND ELECTRICAL SUB-SYSTEM	1
4	XCCCC		0EFD0	987-0008-563	SATELLITE COMMUNICATION SUBSYSTEM	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0101, MECHANICAL FRAME & PACKAGING SUBSYSTEM**



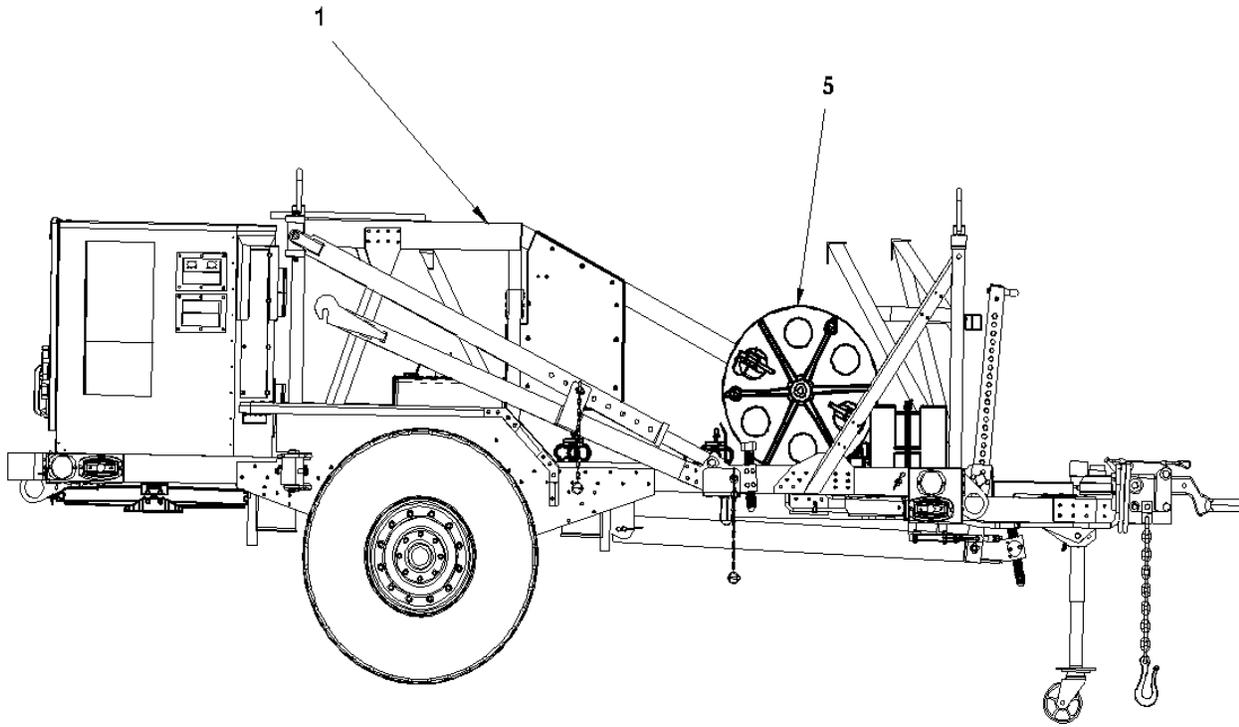
STTHP-0101-0001

Figure 3. Satellite Communication Subsystem - Group 0101 (Sheet 1 of 3).



5111 7-C*01-0002

Figure 3. Satellite Communication Subsystem - Group 0101 (Sheet 2 of 3).



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Figure 3. Satellite Communication Subsystem - Group 0101 (Sheet 3 of 3).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0101, FIGURE 03; SATELLITE COMMUNICATION SUBSYSTEM, 987-0008-257 (A002)	
1	XBFD0		0EFD0	987-0008-299	CHASSIS,TRAILER	1
2	XBFFF		1BPK0	209146-02	BRACKET,MOUNTING	1
3	XBCCC		1BPK0	219361-01	JACK,LEVELING-SUPPORT	1
4	XBCCC		0EFD0	987-0008-600	BRACKET,MOUNTING	1
5	XBCCC		0EFD0	987-0008-294	SHOE, JACK-SUPPORT	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010101, TRAILER FRAME ASSEMBLY**

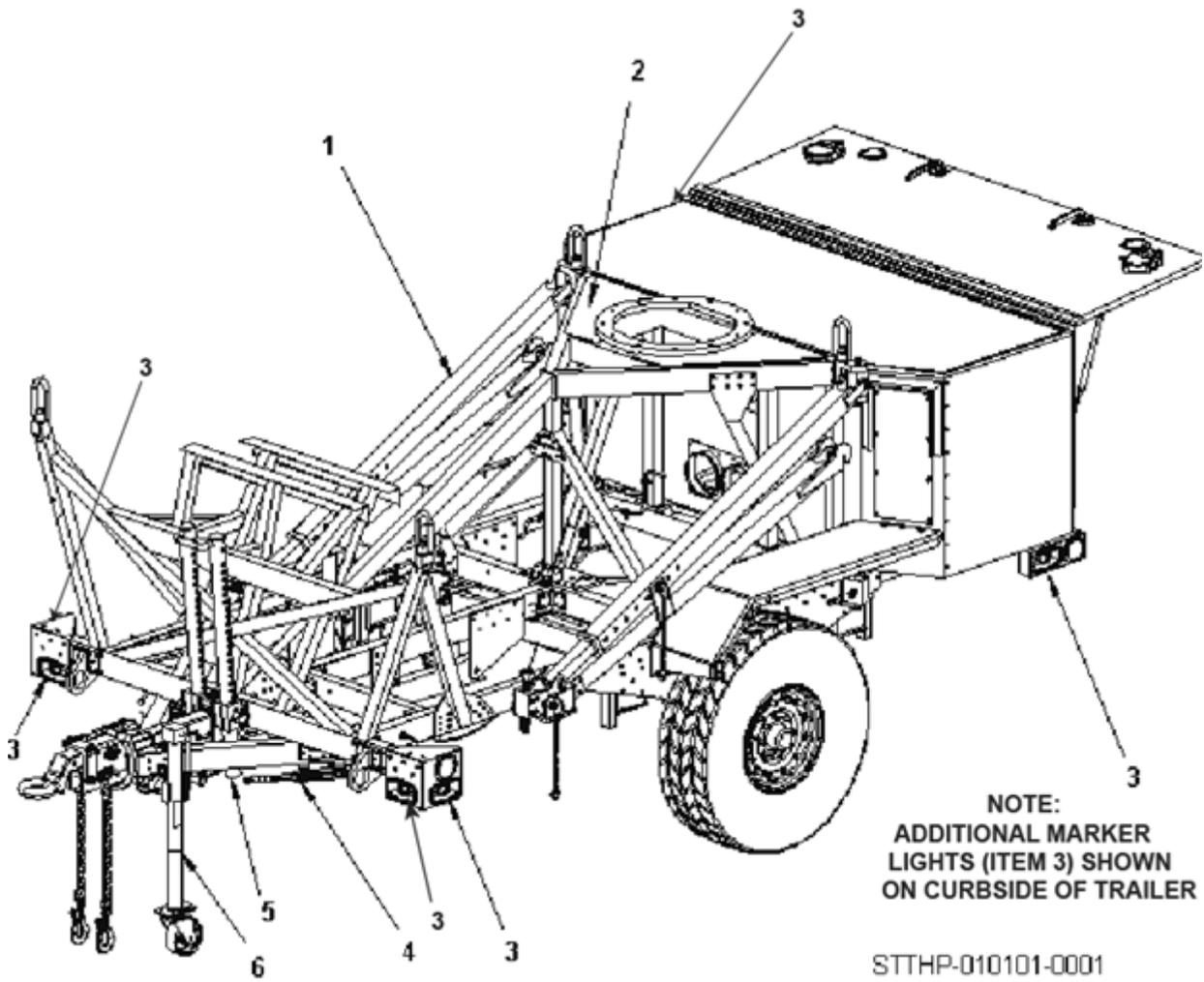
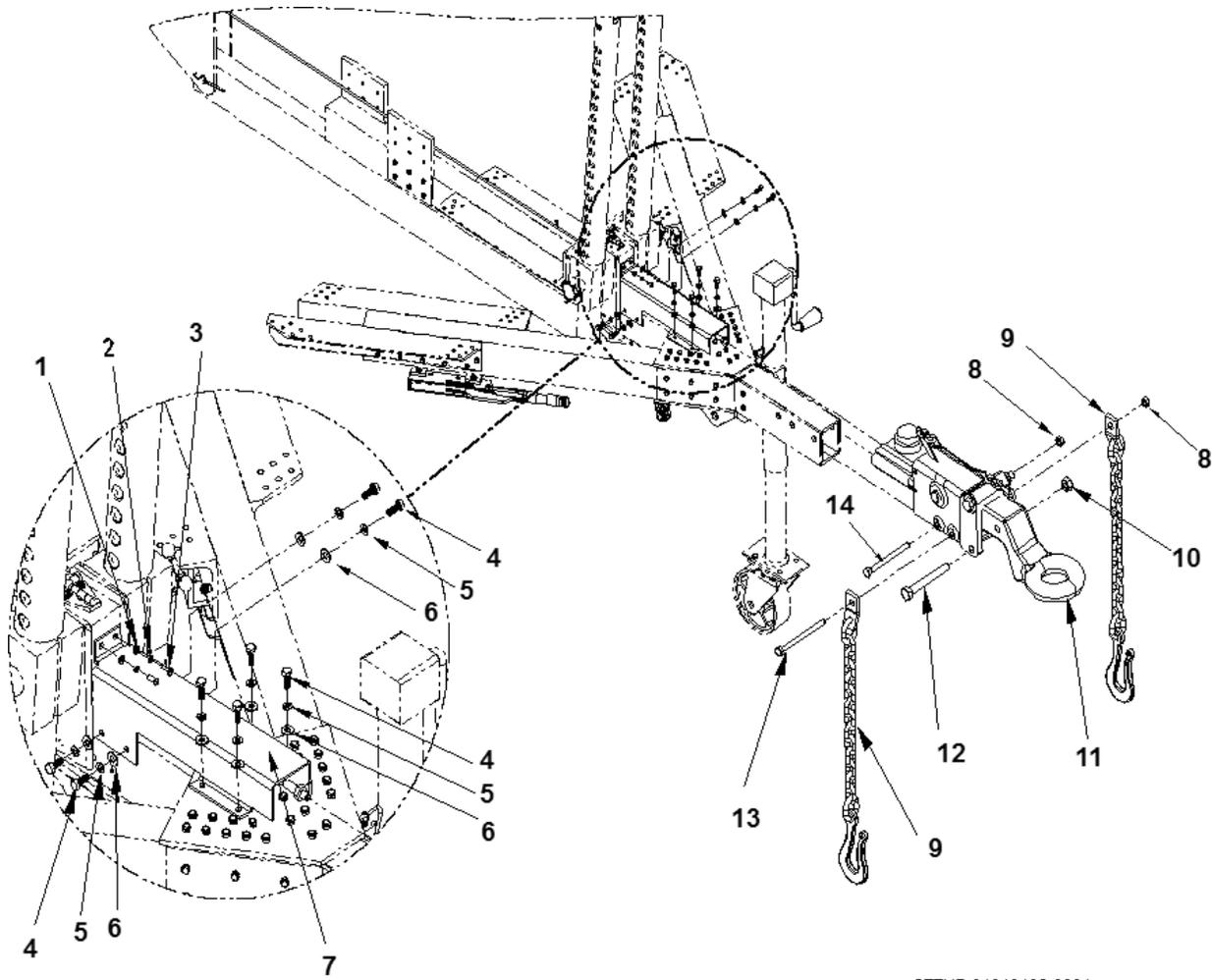


Figure 4. Frame Assembly, Trailer - Group 010101.

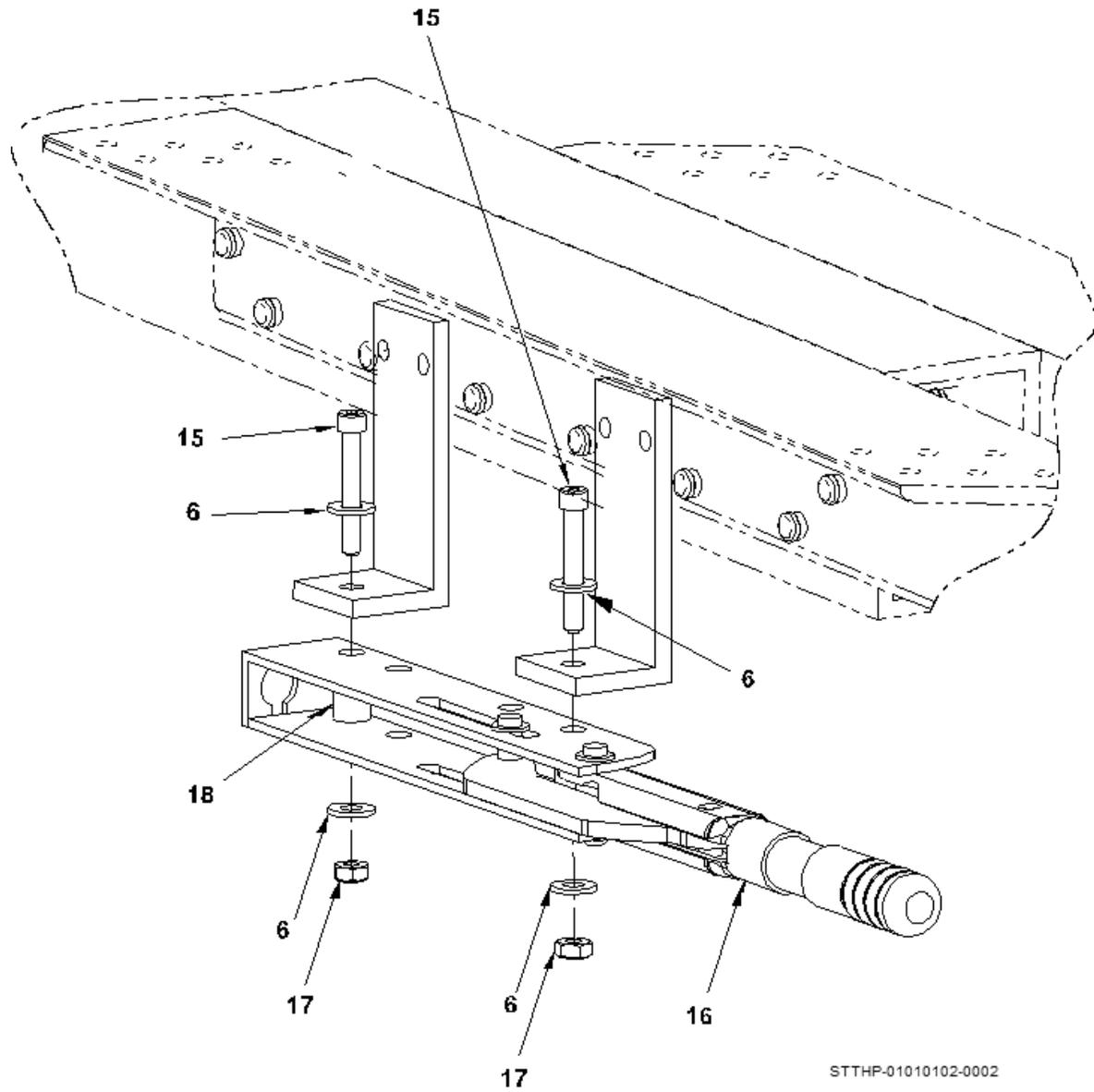
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010101, FIGURE 04; CHASSIS, TRAILER, 987-0008-299 (A003)	
1	XBCCC		1BPK0	219337-01	ARM	1
2	XBFDD		0EFD0	987-0008-290	ANTENNA SUBASSEMBLY	1
3	XBCCC		1BPK0	219355-01	LIGHTING KIT, VEHICULAR	6
4	XBCCC		0EFD0	987-0008-285	PARTS KIT, HAND BRAKE	1
5	XBCCC		0EFD0	987-0008-295	OUTRIGGER, MAIN FRAME	1
6	PAFZZ	2590-01-484-0440	01084	12479188	SUPPORT, RETRACTABLE, TRAILER	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 01010102, HAND BRAKE ASSEMBLY**



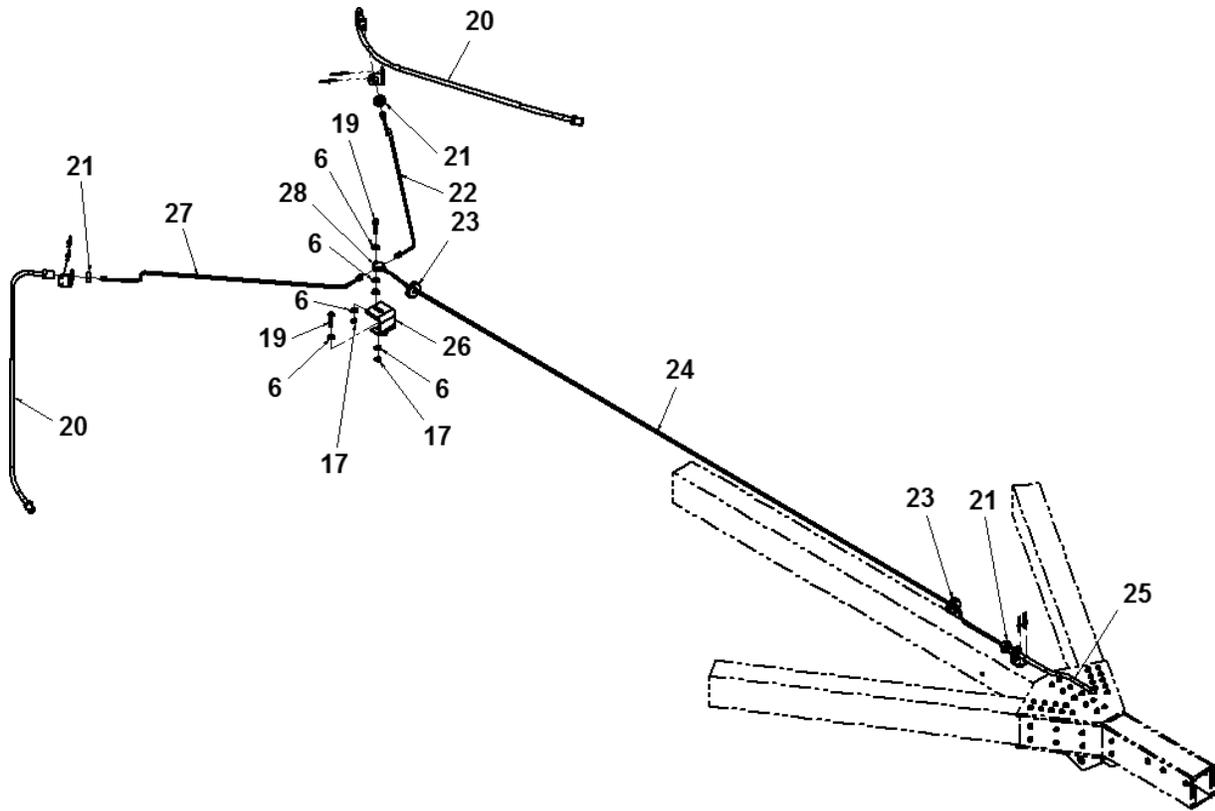
STTHP-01010102-0001

Figure 5. Parts Kit, Hand Brake - Group 01010102 (Sheet 1 of 3).



STTHP-01010102-0002

Figure 5. Parts Kit, Hand Brake - Group 01010102 (Sheet 2 of 3).



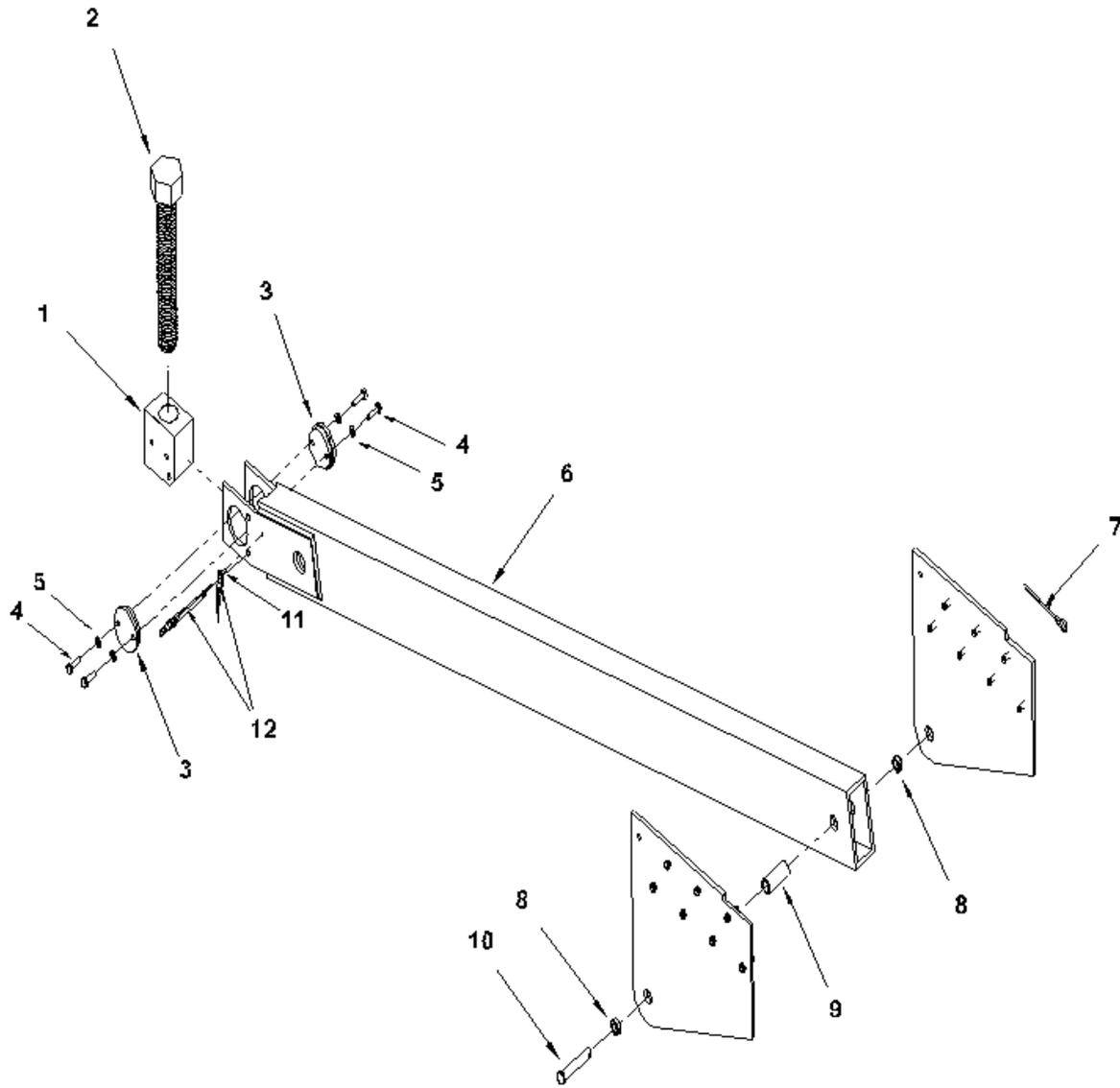
STTHP-01010102-0003

Figure 5. Parts Kit, Hand Brake - Group 01010102 (Sheet 3 of 3).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01010102, FIGURE 05; PARTS KIT,HAND BRAKE, 987-0008-285 (A005)	
1	PACZZ	5310-01-352-9572	80205	NAS1149CN832R	WASHER, FLAT	2
2	PACZZ	5310-01-389-6984	96906	MS35338-137	WASHER, LOCK	2
3	PACZZ	5305-00-054-6670	96906	MS51957-45	SCREW, MACHINE	2
4	PACZZ	5305-00-702-4523	80205	MS35307-306	SCREW, CAP, HEXAGON HEAD	8
5	PACZZ	5310-00-933-8121	80205	MS35338-139	WASHER, LOCK	8
6	PACZZ	5310-01-511-4499	39428	98370A013	WASHER, FLAT	24
7	XBCZZ		0EFD0	987-0008-288	COVER	1
8	PACZZ	5310-00-595-7421	80205	MS17829-8C	NUT, SELF-LOCKING, HEXAGON	2
9	XBCZZ	4010-01-412-1282	33875	12449501	CHAIN ASSEMBLY, SINGLE LEG	2
10	PACZZ	5310-00-245-3419	80205	MS17829-10C	NUT, SELF-LOCKING, HEXAGON	1
11	XBCZZ		1BPK0	209021-01	ACTUATOR, SPRING BRAKE	1
12	PACZZ		1BPK0	219615-01	SCREW, CAP, HEXAGON HEAD	1
13	PACZZ		1BPK0	219612-01	SCREW, CAP, HEXAGON HEAD	1
14	PACZZ		1BPK0	219611-01	SCREW, CAP, HEXAGON HEAD	1
15	PACZZ	5305-00-988-7836	80205	MS16995-55	SCREW, CAP, SOCKET HEAD	4
16	XBCZZ		1BPK0	217036-01	LEVER, MANUAL CONTROL	2
17	XBCZZ	5310-00-241-6604	96906	MS17830-4C	NUT, SELF-LOCKING, HEXAGON	7
18	PACZZ		39428	92511A049	SPACER, SLEEVE	4
19	PACZZ		1BPK0	208886-01	SCREW, CAP, HEXAGON HEAD	3
20	XBCZZ		1BPK0	209041-01	HOSE ASSEMBLY, NONMETALLIC	2
21	PACZZ		1BPK0	209044-01	NUT, PLAIN, HEXAGON	3
22	XBCZZ		0EFD0	987-0007-437	TUBE ASSEMBLY, METAL	1
23	PACZZ		1BPK0	209172-01	GROMMET, RUBBER	2

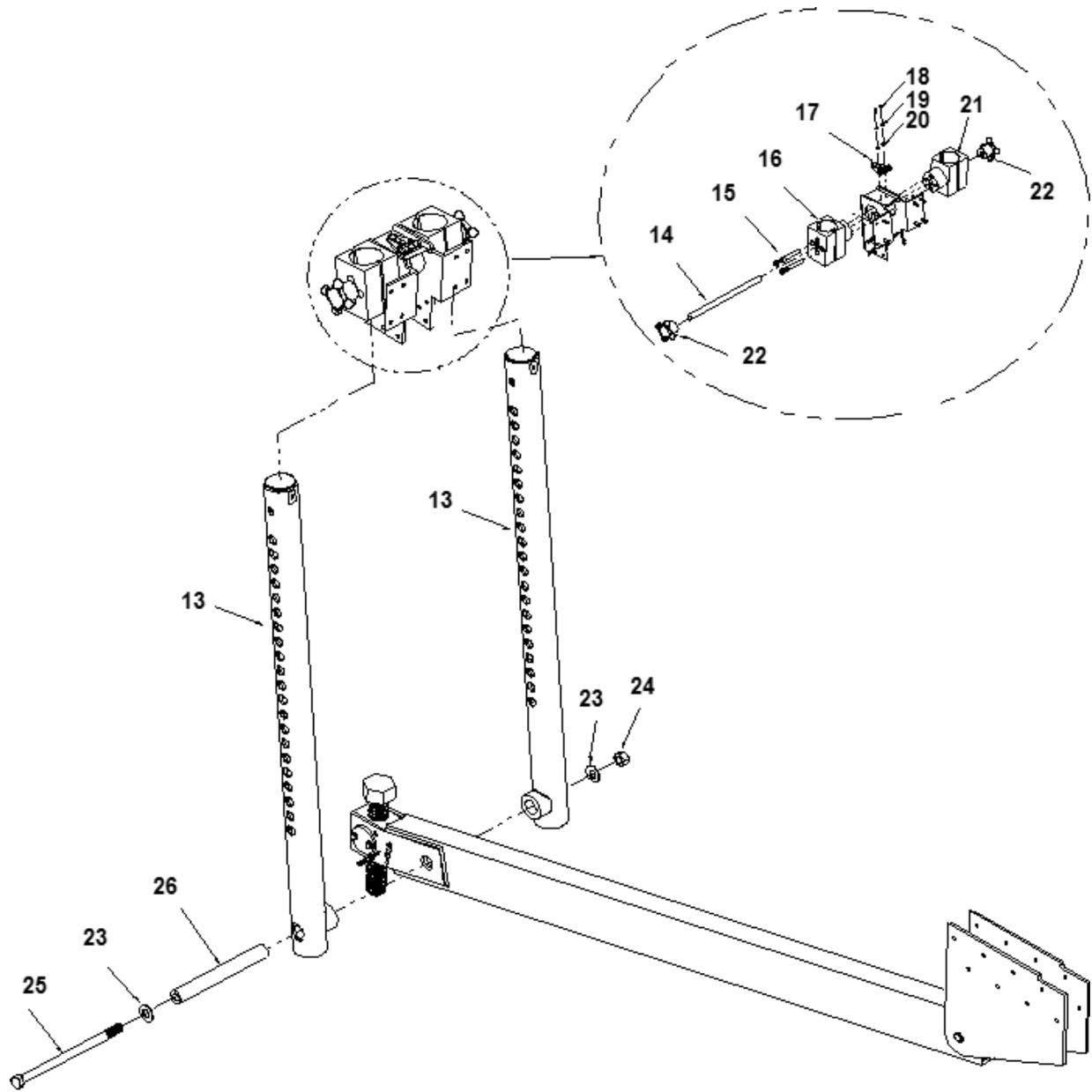
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
24	XBCZZ		0EFD0	987-0008-286	TUBE ASSEMBLY, METAL	1
25	XBCZZ		0EFD0	987-0008-287	HOSE ASSEMBLY, NONMETALLIC	1
26	XBCZZ		1BPK0	209109-01	BRACKET, MOUNTING	1
27	XBCZZ		0EFD0	987-0007-438	TUBE ASSEMBLY, METAL	1
28	XBCZZ		1BPK0	209043-01	BRACKET, MOUNTING	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 01010103, FRONT OUTRIGGER ASSEMBLY**



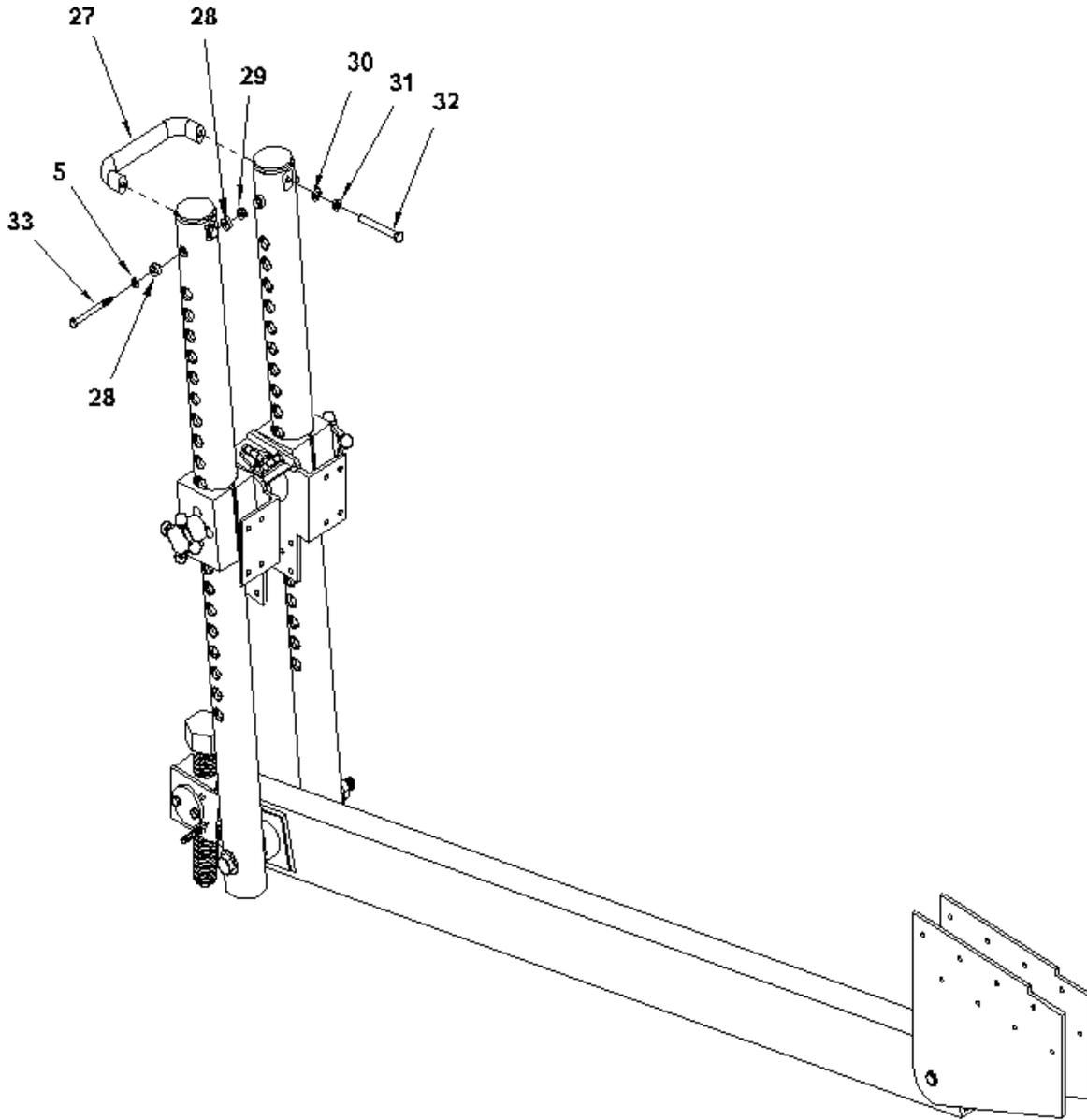
STTHP-01010103-0001

Figure 6. Outrigger, Main Frame - Group 01010103 (Sheet 1 of 3).



STTHP-01010103-0002

Figure 6. Outrigger, Main Frame - Group 01010103 (Sheet 2 of 3).



STTHP-01010103-0003

Figure 6. Outrigger, Main Frame - Group 01010103 (Sheet 3 of 3).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01010103, FIGURE 06; OUTRIGGER, MAIN FRAME, 987-0008-295 (A034)	
1	XBCZZ		1BPK0	232175-01	OUTRIGGER, MAIN FRAME	1
2	XBCZZ		1BPK0	209092-01	JACK, LEVELING- SUPPORT	1
3	XBCZZ		1BPK0	232168-01	COVER, ACCESS	2
4	PACZZ	5305-00-207-8253	80205	MS35307-308	SCREW, CAP, HEXAGON HEAD	4
5	PACZZ	5310-00-582-5677	80205	MS15795-810	WASHER, FLAT	8
6	XBCZZ		1BPK0	232171-01	OUTRIGGER, MAIN FRAME	1
7	PACZZ	5315-00-236-8365	80205	MS24665-380	PIN, COTTER	1
8	PACZZ	3120-01-598-8872	39428	8491A737	BUSHING, SLEEVE	2
9	PACZZ		0EFD0	987-0002-059	BUSHING, SLEEVE	1
10	PACZZ	5315-01-496-7123	96906	MS20392-7P81	PIN, STRAIGHT, HEADED	1
11	PACZZ	5305-00-054-6670	96906	MS51957-45	SCREW, MACHINE	1
12	PACZZ	5315-01-573-9372	07BY4	93750A415	PIN, QUICK RELEASE	1
13	XBCZZ		1BPK0	232170-01	OUTRIGGER, MAIN FRAME	2
14	PACZZ		0KVE6	90281A830	STUD, PLAIN	1
15	PACZZ	5305-00-052-7495	80205	MS16995-87	SCREW, CAP, SOCKET HEAD	4
16	PACZZ		1BPK0	232169-01	ROD, THREADED END	1
17	PACZZ	5210-01-336-5744	63474	125	LEVEL, CROSS TEST	1
18	PACZZ	5305-01-530-2631	39428	91400A148	SCREW, MACHINE	2
19	PACZZ	5310-00-929-6395	80205	MS35338-136	WASHER, LOCK	2
20	PACZZ	5310-00-722-5998	80205	MS15795-805	WASHER, FLAT	2
21	PACZZ		1BPK0	232174-01	TURNBUCKLE	1
22	PACZZ	5355-01-591-2936	3P275	6047K23	KNOB	2
23	PACZZ	5310-00-614-3505	80205	MS15795-820	WASHER, FLAT	2
24	PACZZ	5310-01-398-2189	96906	MS17830-10C	NUT, SELF-LOCKING, HEXAGON	1
25	PACZZ		07BY4	92186A834	SCREW, CAP, HEXAGON HEAD	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
26	XBCZZ		1BPK0	232173-01	PIVOT SHAFT ASSEMBLY	1
27	XBCZZ		99862	CL-160-PHR-5	HANDLE, BAIL	1
28	XBCZZ		0KVE6	94045K126	WASHER, FLAT	4
29	PACZZ		0KVE6	93298A110	NUT, SELF-LOCKING, HEXAGON	2
30	PACZZ	5310-00-625-5756	80205	MS15795-812	WASHER, FLAT	2
31	PACZZ	5310-00-974-6623	80205	MS35338-140	WASHER, LOCK	2
32	PACZZ	5306-00-720-8258	96906	MS35307-344	BOLT, MACHINE	2
33	PACZZ	5305-00-071-2515	80204	B1821BH025C300N	SCREW, CAP, HEXAGON HEAD	2
END OF FIGURE						

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 01010104, LIGHTING KIT, VEHICULAR**

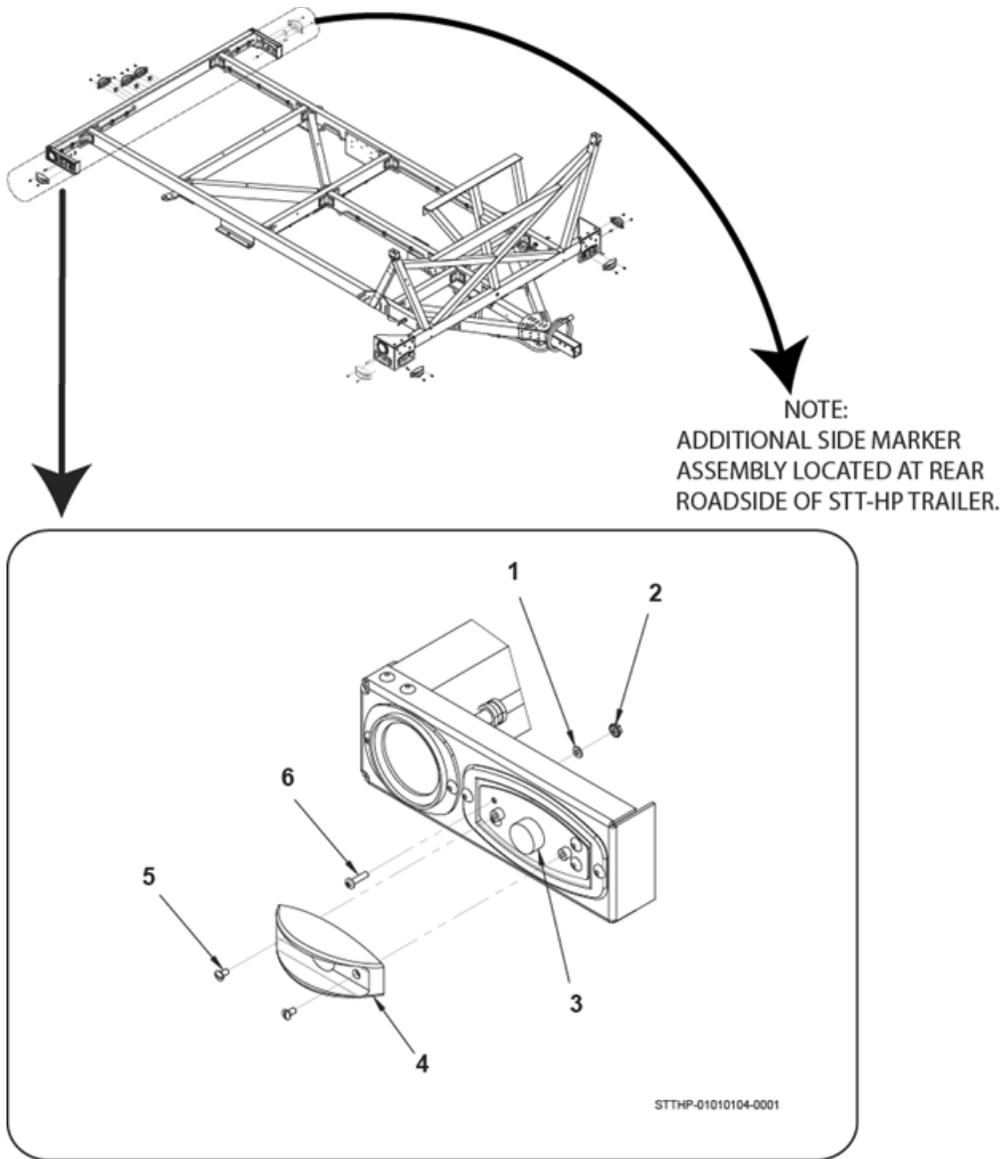
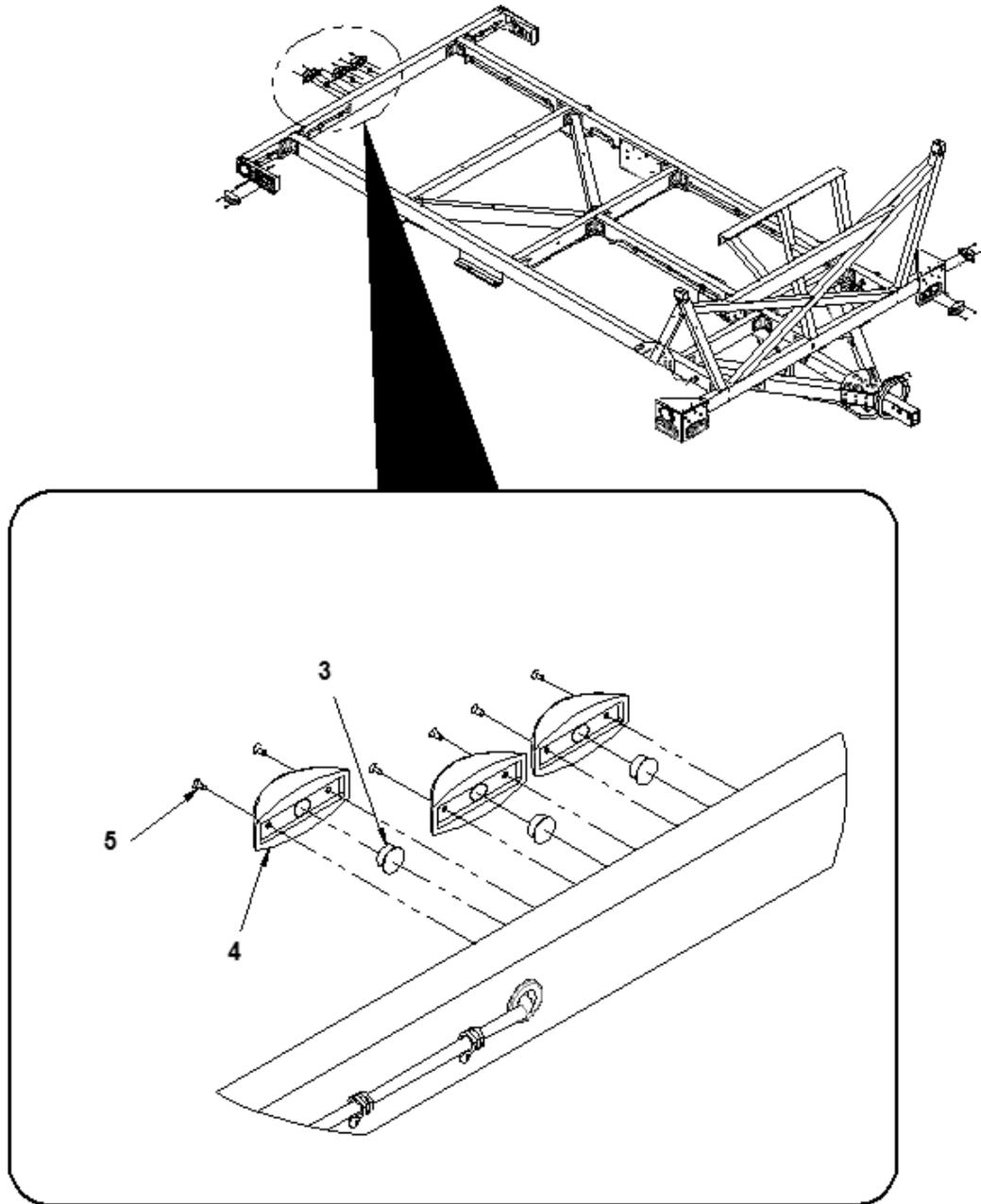
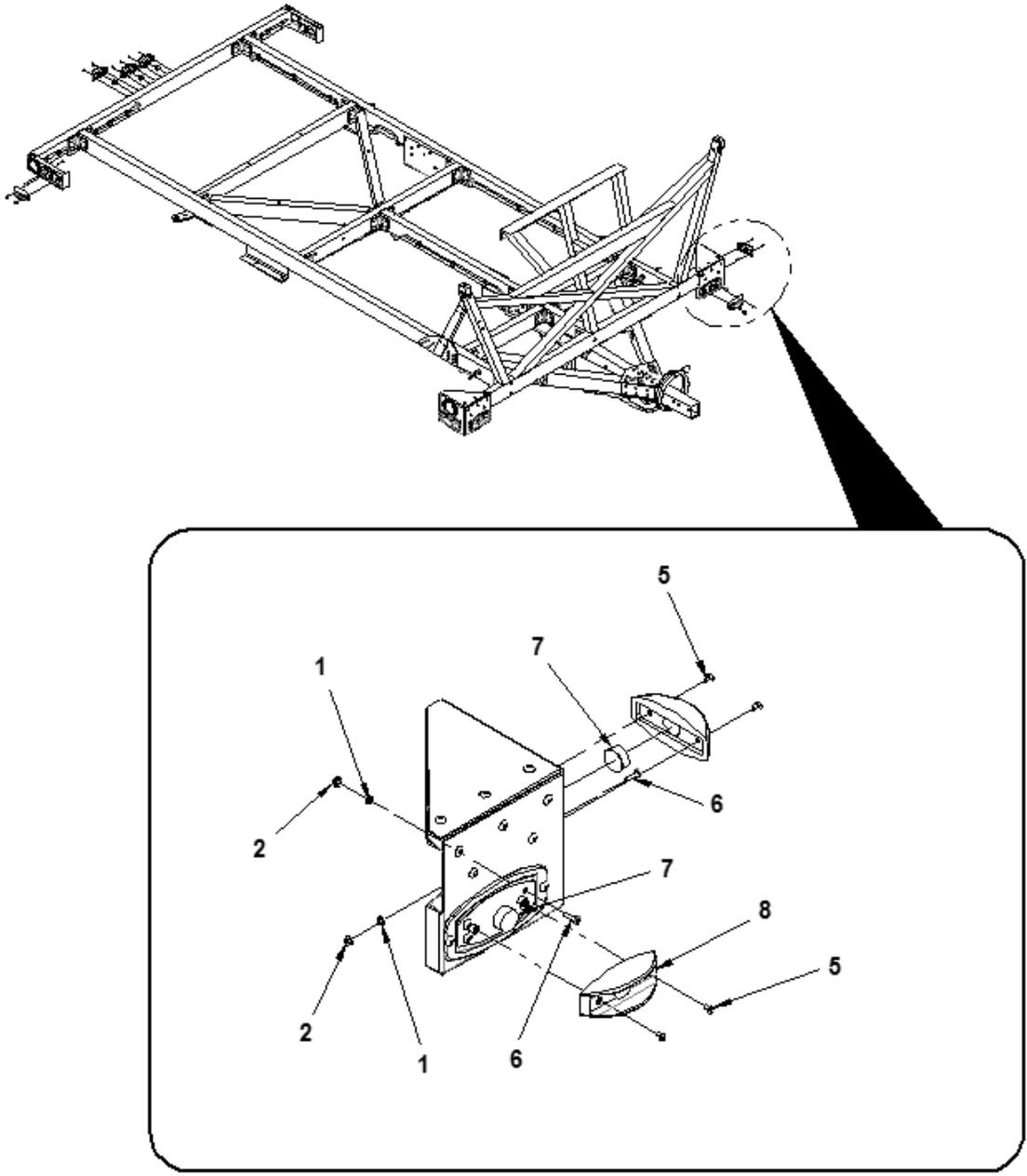


Figure 7. Lighting Kit, Vehicular - Group 01010104 (Sheet 1 of 3).



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Figure 7. Lighting Kit, Vehicular - Group 01010104 (Sheet 2 of 3).

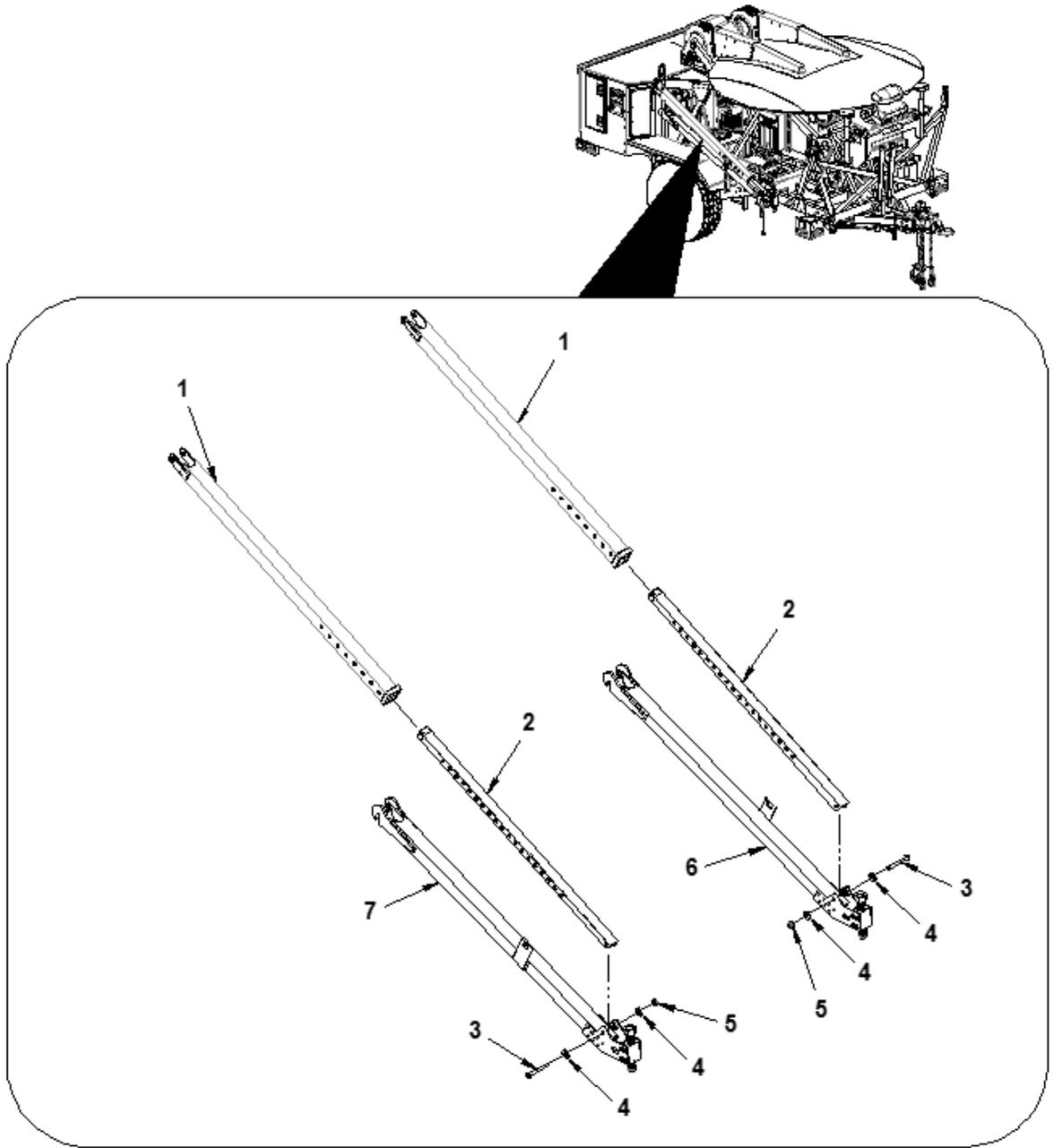


STTHP-01010104-0003

Figure 7. Lighting Kit, Vehicular - Group 01010104 (Sheet 3 of 3).

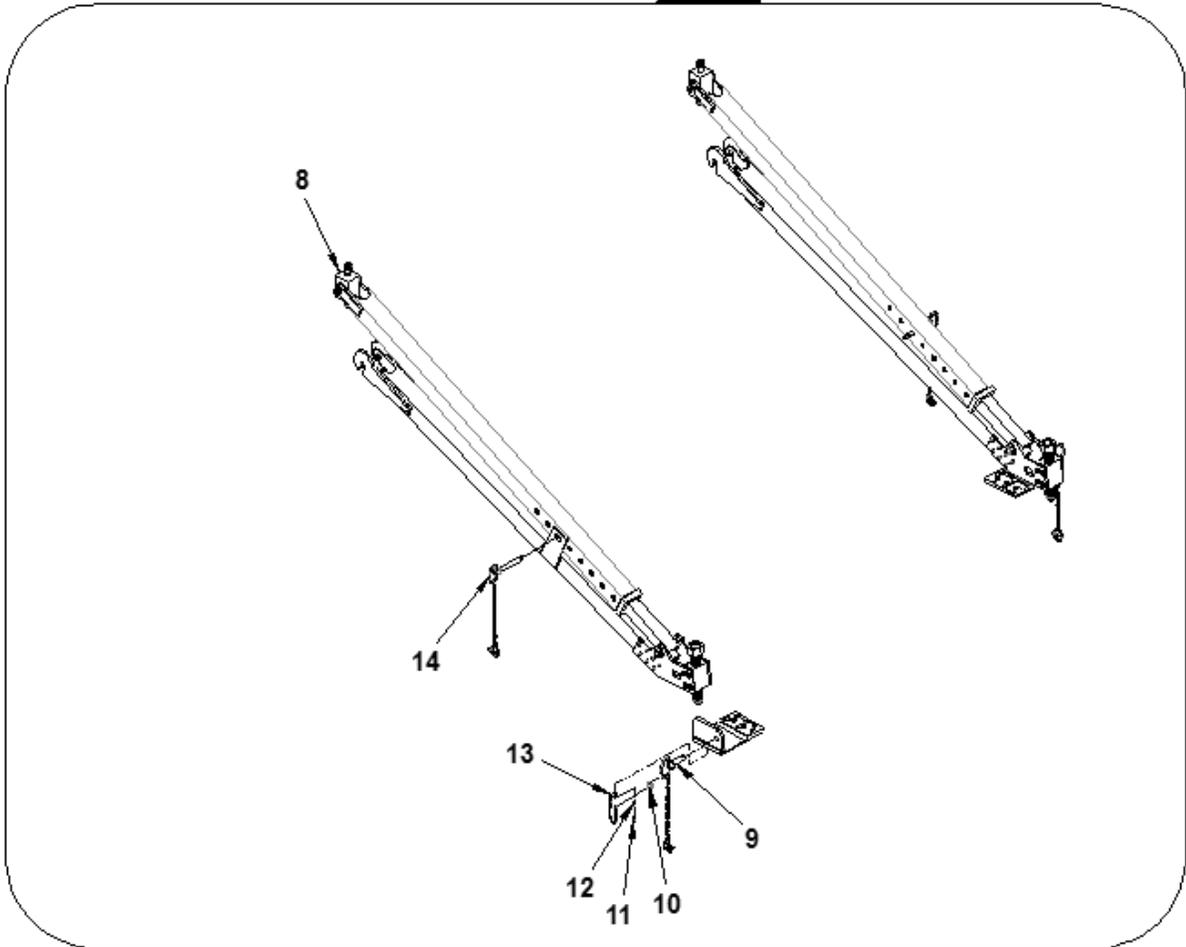
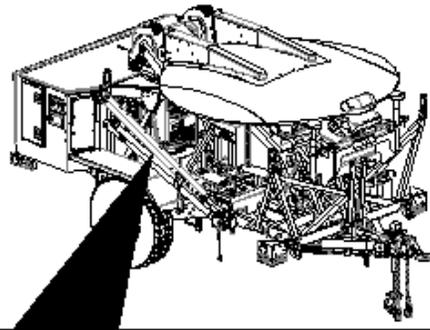
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01010104, FIGURE 07; LIGHTING KIT, VEHICULAR, 219355-01 (A067)	
1	PACZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	6
2	PACZZ		0EFD0	205073-01	NUT, PLAIN, HEXAGON	6
3	PACZZ	5980-01-459-1848	13548	30250R	LIGHT EMITTING DIODE	6
4	PACZZ		0EFD0	209220-01	LIGHT, MARKER, CLEARANCE	6
5	PACZZ	5305-00-059-3660	80205	MS51958-64	SCREW, MACHINE	18
6	PACZZ	5305-00-059-3661	80205	MS51958-65	SCREW, MACHINE	6
7	PACZZ	5980-01-459-2073	13548	30250Y	LIGHT EMITTING DIODE	4
8	PACZZ		0EFD0	209219-01	LIGHT, MARKER, CLEARANCE	4
					END OF FIGURE	

OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 01010105, OUTRIGGER ASSEMBLY, LEFT AND RIGHT



STTHP-01010105-0001

Figure 8. Arm - Group 01010105 (Sheet 1 of 2).



STTHP-01010105-0002

Figure 8. Arm - Group 01010105 (Sheet 2 of 2).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01010105, FIGURE 08; ARM, 219337-01 (A069)	
1	XBCZZ		0EFD0	219330-01	ARM	2
2	XBCZZ		0EFD0	219331-01	ARM	2
3	PACZZ		0EFD0	219368-01	SCREW, CAP, HEXAGON HEAD	2
4	PACZZ		0EFD0	219550-01	WASHER, FLAT	4
5	PACZZ		0EFD0	219551-01	NUT, SELF-LOCKING, HEXAGON	2
6	XBCCC		0EFD0	219334-01	ARM	1
7	XBCCC		0EFD0	219335-01	ARM	1
8	XBCCC		0EFD0	209209-02	BLOCK	2
9	PACZZ		39428	98497A664	PIN, STRAIGHT	2
10	PACZZ	5325-01-468-9368	39428	90905A655	RING, RETAINING	2
11	PACZZ	5305-00-059-3659	80205	MS51958-63	SCREW, MACHINE	2
12	PACZZ	5310-00-933-8120	80205	MS35338-138	WASHER, LOCK	2
13	PACZZ	4010-01-481-1699	39428	30345T24	WIRE ROPE ASSEMBLY, SINGLE LEG	2
14	PACZZ		39428	98497A686	PIN, RETAINING	2
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0101010501, UPPER SIDE OUTRIGGER BLOCK**

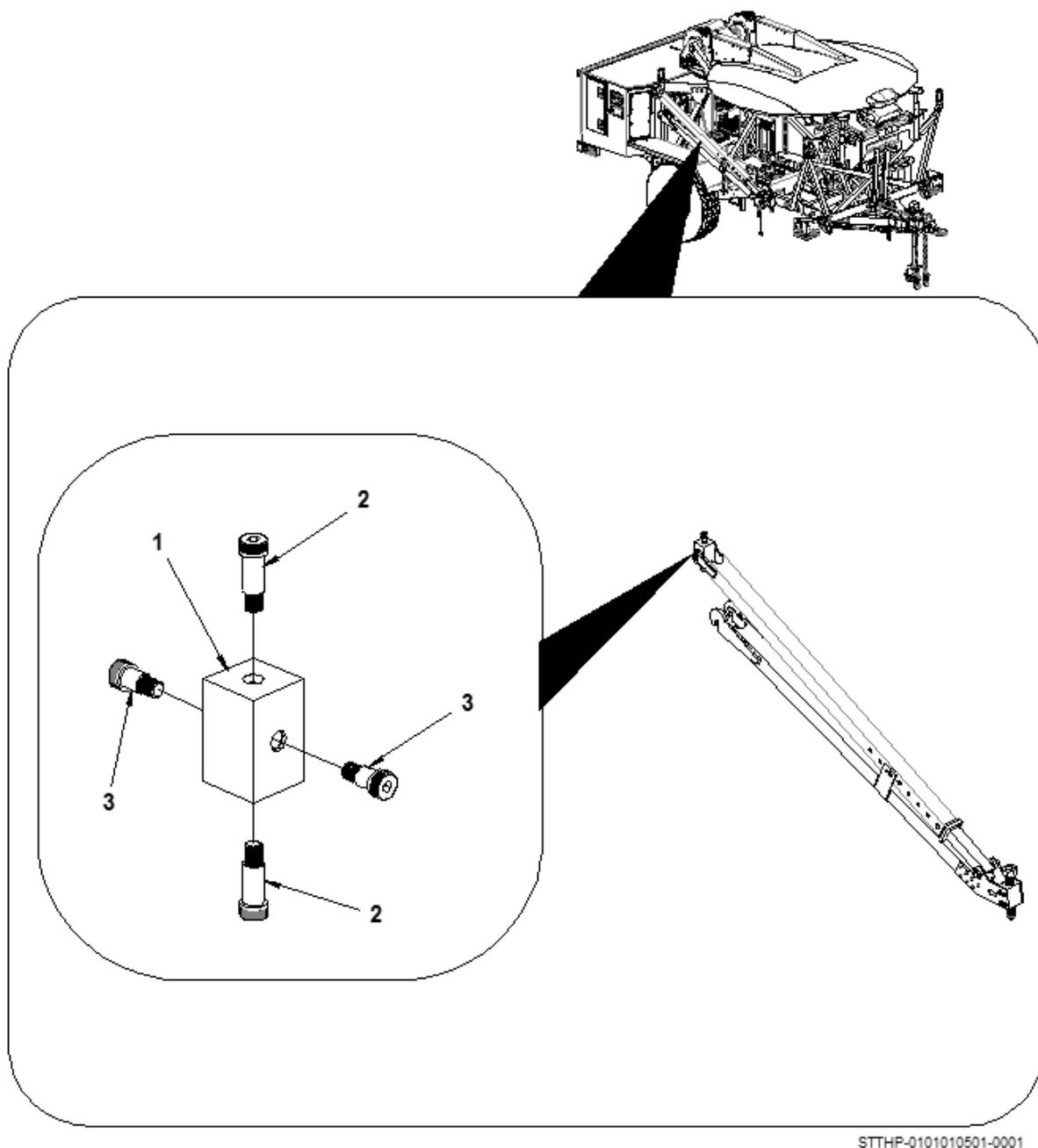
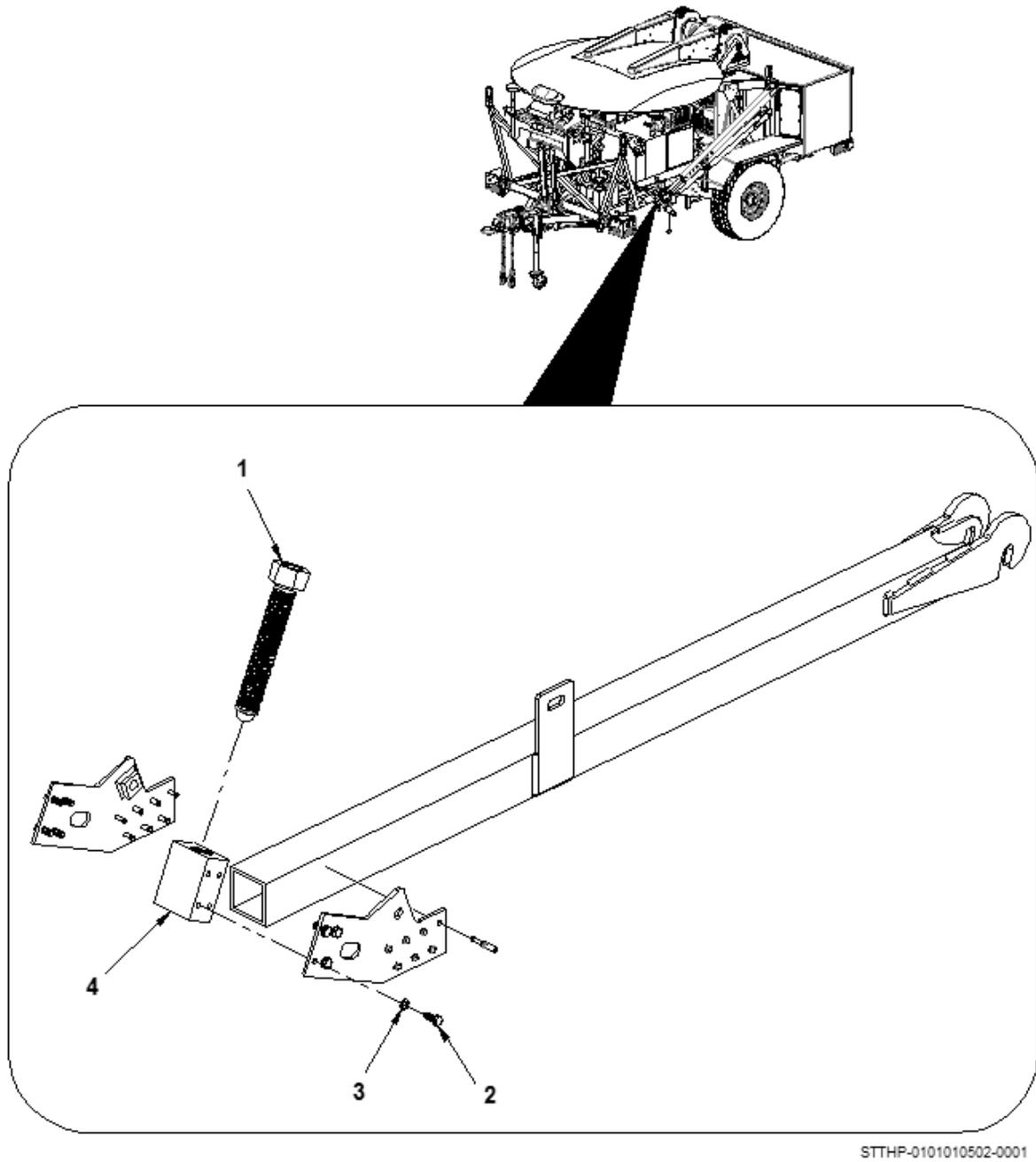


Figure 9. Block - Group 0101010501.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0101010501, FIGURE 09; BLOCK, 209209-01 (A069C)	
1	XBCZZ		0EFD0	219336-01	BLOCK	2
2	PACZZ		39428	91259A839	SCREW, SHOULDER	4
3	PACZZ		39428	91259A123	SCREW, SHOULDER	4
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0101010502, OUTRIGGER LEG, ROAD SIDE**

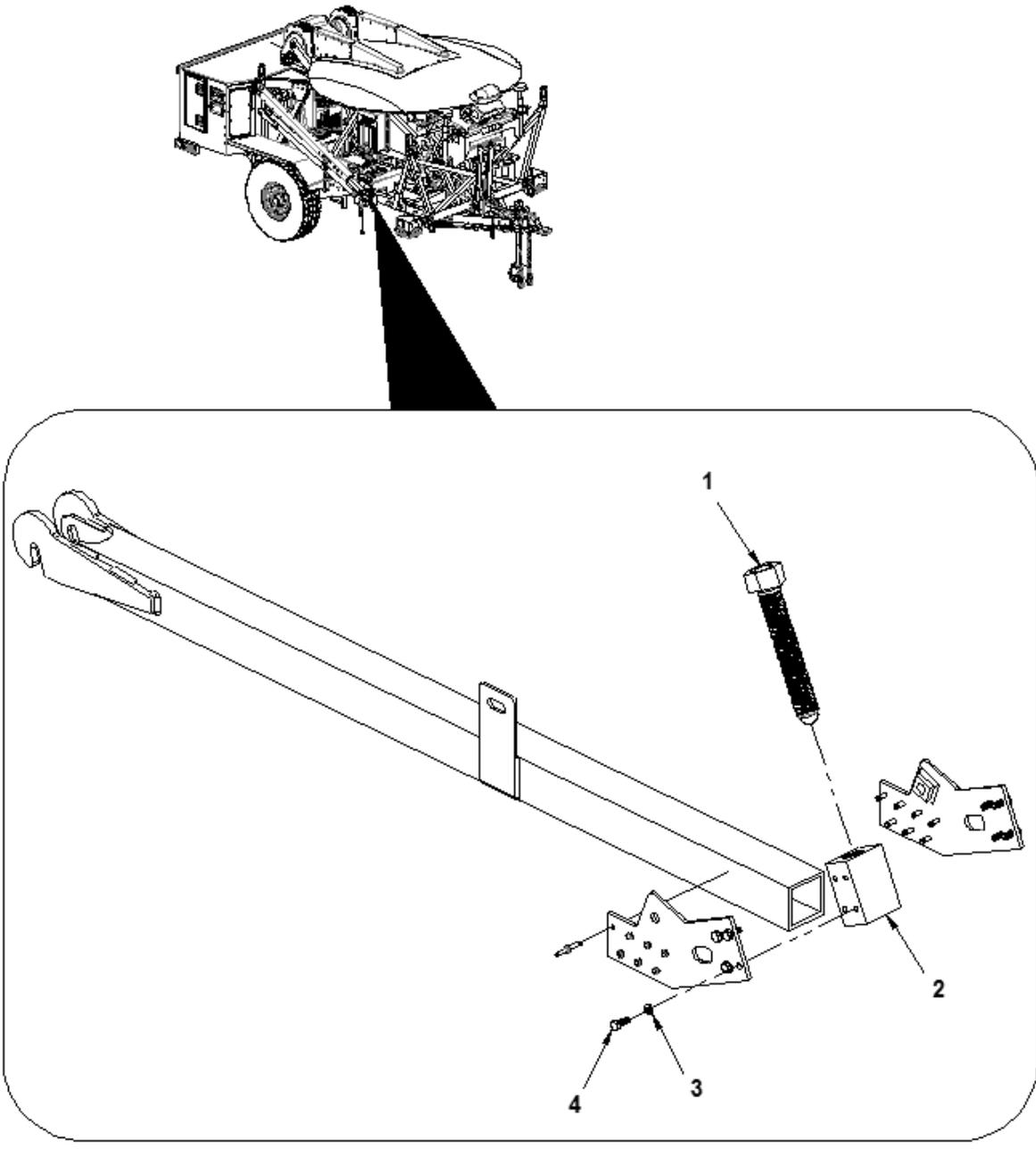


STTHP-0101010502-0001

Figure 10. Arm - Group 0101010502.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0101010502, FIGURE 10; ARM, 219334-01 (A070)	
1	XBCZZ		1BPK0	209092-01	JACK, LEVELING- SUPPORT	1
2	PACZZ	5305-01-482-6298	39428	92240A624	SCREW, CAP, HEXAGON HEAD	8
3	PACZZ	5310-00-984-7042	80205	MS35338-141	WASHER, LOCK	8
4	PACZZ		0EFD0	209094-01	BLOCK	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0101010503, OUTRIGGER LEG, CURB SIDE**



STTHP-0101010503-0001

Figure 11. Arm - Group 0101010503.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0101010503, FIGURE 11; ARM, 219335- 01 (A075)	
1	XBCZZ		1BPK0	209092-01	JACK, LEVELING- SUPPORT	1
2	PACZZ		0EFD0	209094-01	BLOCK	1
3	PACZZ	5310-00-984-7042	80205	MS35338-141	WASHER, LOCK	8
4	PACZZ	5305-01-482-6298	39428	92240A624	SCREW, CAP, HEXAGON HEAD	8
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010102, FUEL CELL MOUNTING**

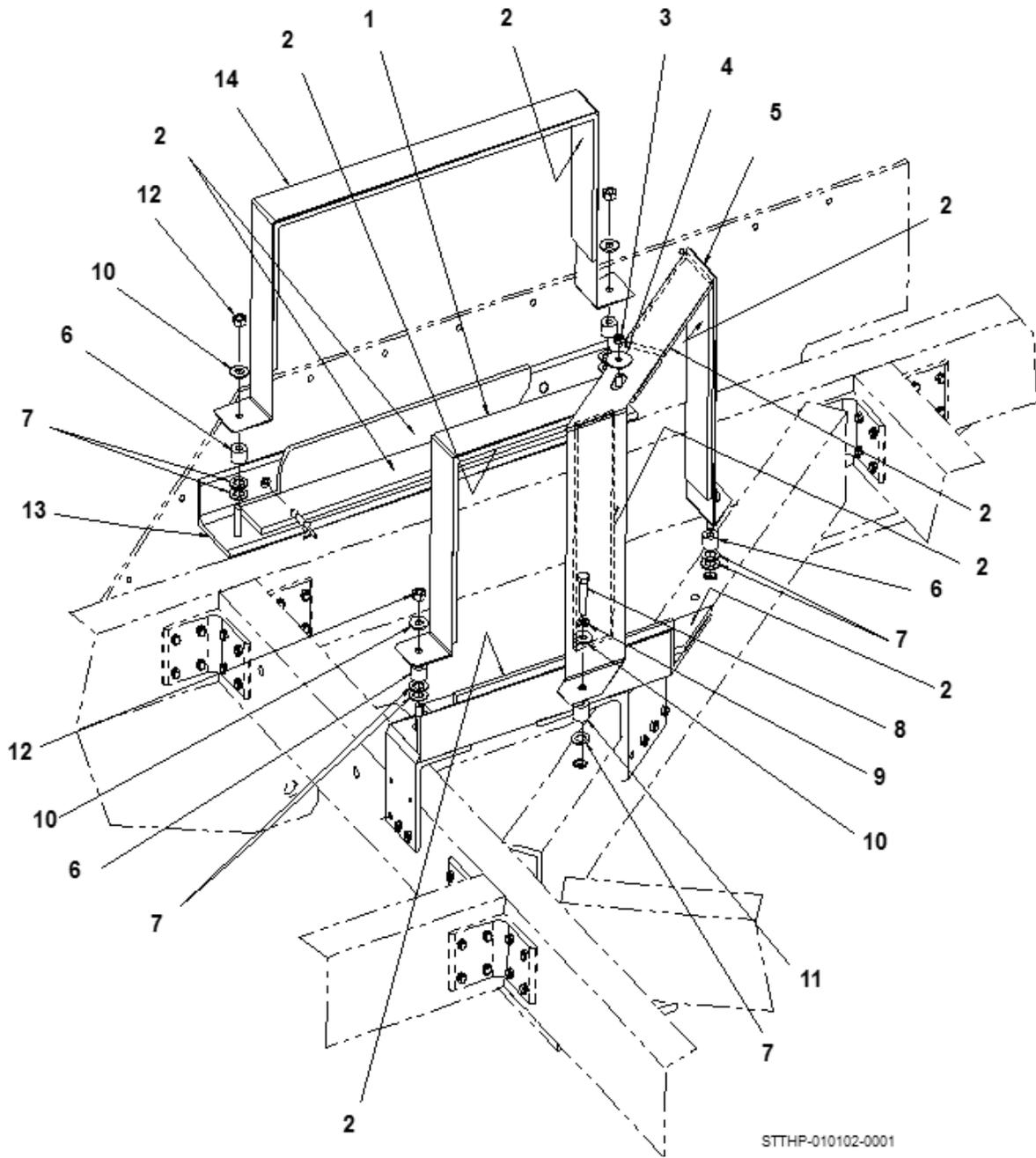
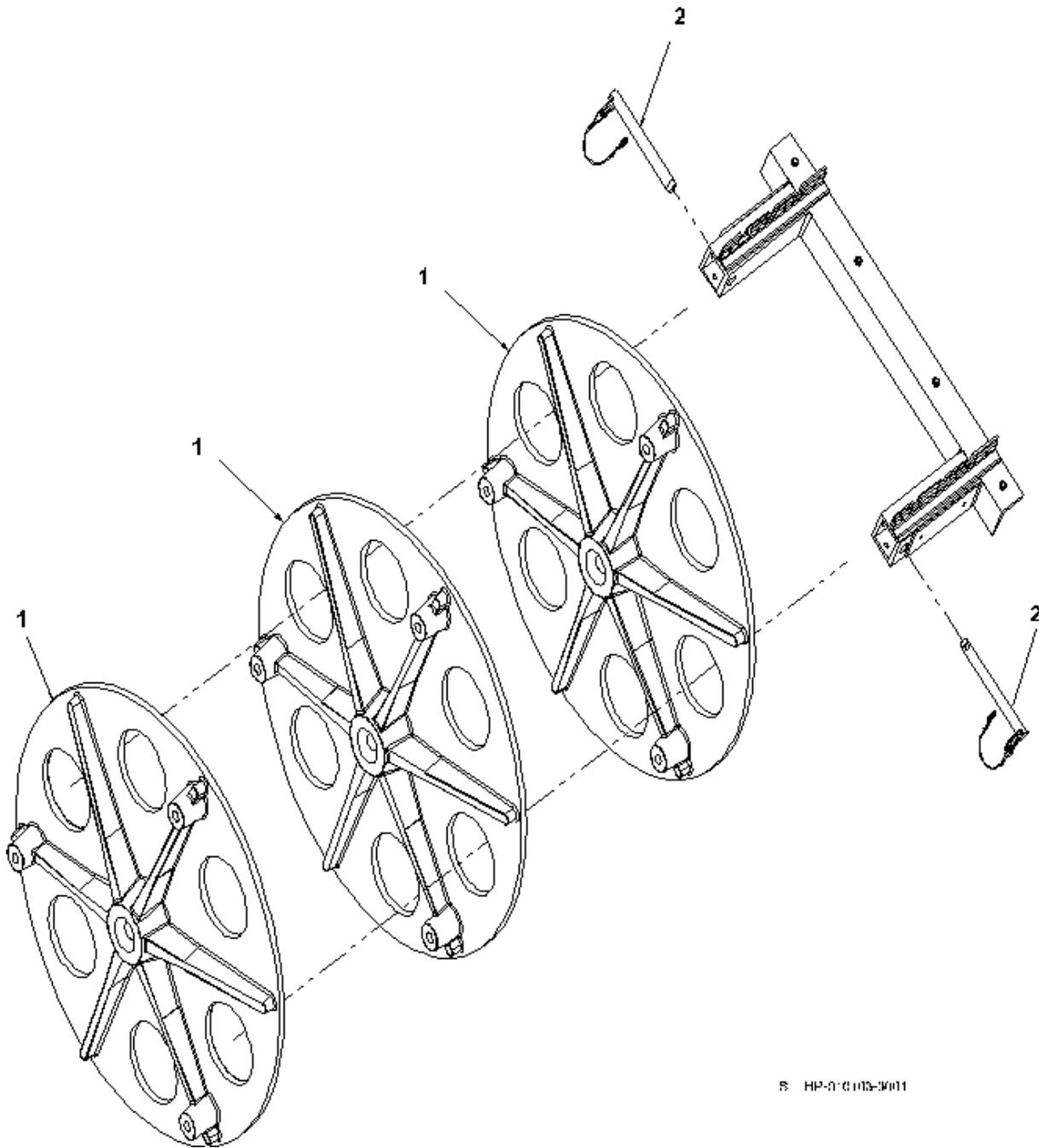


Figure 12. Bracket Mounting - Group 010102.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010102, FIGURE 12; BRACKET, MOUNTING, 987-0008-600 (A080)	
1	XBCZZ		0EFD0	987-0008-605	BRACKET, MOUNTING	1
2	XBCZZ		0EFD0	987-0008-602	BRACKET, MOUNTING	1
3	XBCZZ	5310-00-241-6604	96906	MS17830-4C	NUT, SELF-LOCKING, HEXAGON	1
4	PACZZ		0EFD0	205217-1303-01	WASHER, FLAT	1
5	XBCZZ		0EFD0	987-0008-606	BRACKET, MOUNTING	1
6	PACZZ		0KVE6	92415A125	SPACER, SLEEVE	4
7	PACZZ	5310-01-569-7753	39428	97669A200	WASHER, FLAT	9
8	PACZZ		1BPK0	205217-1204-22	SCREW, CAP, HEXAGON HEAD	2
9	PACZZ	5310-01-551-1113	6N920	31NLOC8Y	WASHER, LOCK	2
10	PACZZ		0EFD0	298407-01	WASHER, FLAT	5
11	PACZZ		0KVE6	92415A128	SPACER, SLEEVE	1
12	PACZZ	5310-00-245-3615	80205	MS35649-2314	NUT, PLAIN, HEXAGON	3
13	XBCZZ		0EFD0	987-0008-603	BRACKET, ANGLE	1
14	PACZZ		39428	8456K65	RUBBER STRIP	12
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010103, SAND SHOE ASSEMBLY**

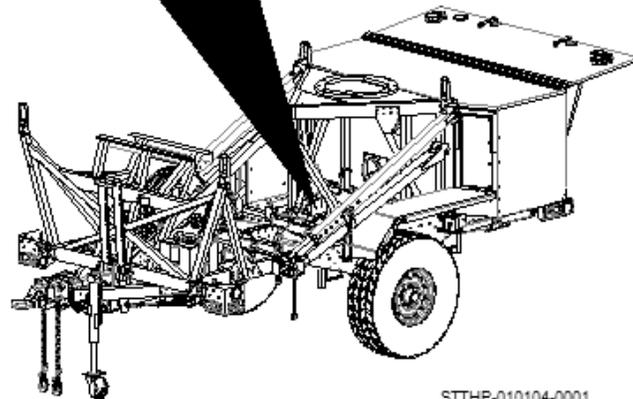
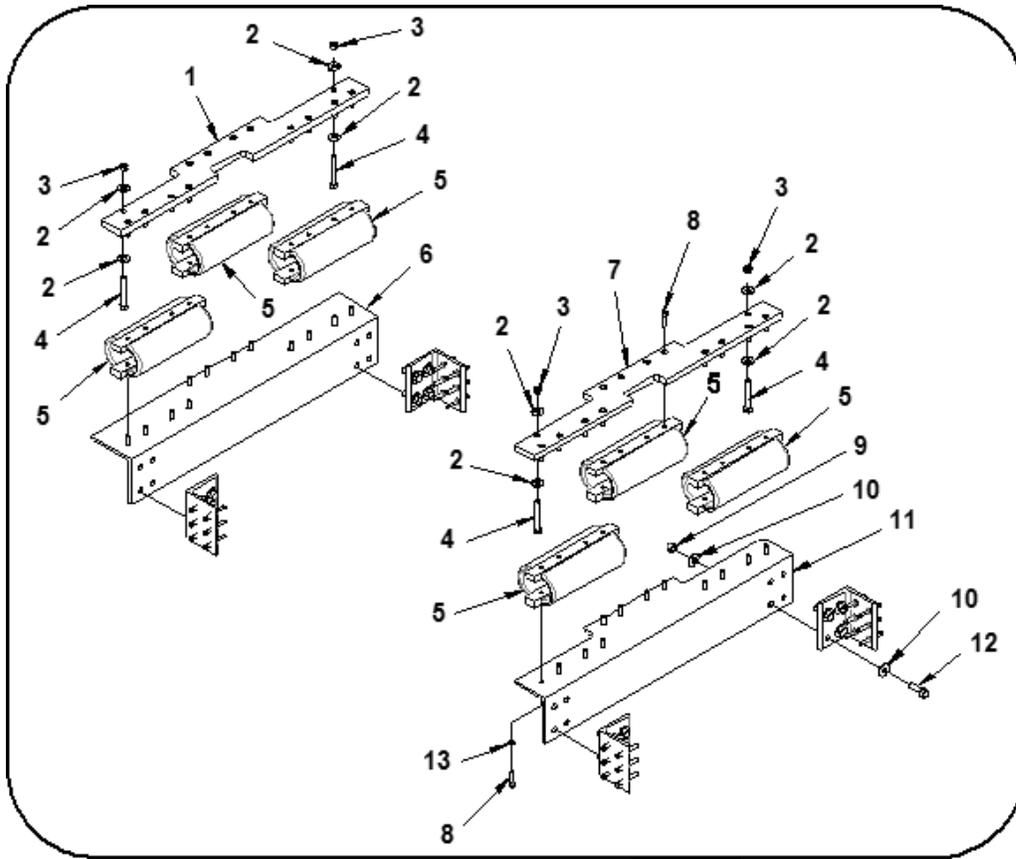


8 HP-01013-3011

Figure 13. Shoe, Jack Support - Group 010103.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010103, FIGURE 13; SHOE, JACK- SUPPORT, 987-0008-294 (A097)	
1	PACZZ		1BPK0	209117-01	SHOE, JACK-SUPPORT	3
2	PACZZ		39428	95165A320	PIN, QUICK RELEASE	2
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010104, GENERATOR MOUNT ASSEMBLY**



STTHP-010104-0001

Figure 14. Bracket, Mounting - Group 010104.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010104, FIGURE 14; BRACKET, MOUNTING, 209146-02 (A102)	
1	XBFZZ		1BP	219323-01	BRACKET, MOUNTING	1
2	PAFZZ		1BPK0	298407-01	WASHER, FLAT	8
3	PAFZZ	5310-01-485-9220	96906	MS17829Z5C	NUT, SELF-LOCKING, HEXAGON	4
4	PAFZZ	5306-00-226-4834	80204	B1821BH031C225N	BOLT, MACHINE	4
5	PAFZZ		1BPK0	209028-01	MOUNT, RESILIENT, GENERAL PURPOSE	6
6	XBFZZ		1BPK0	219327-01	BRACKET, MOUNTING	1
7	XBFZZ		1BPK0	219328-01	BRACKET, MOUNTING	1
8	PAFZZ	5305-00-225-7774	80205	MS16996-24	SCREW, CAP, SOCKET HEAD	48
9	PAFZZ	5310-01-527-3369	2V507	90631A411	NUT, SELF-LOCKING, HEXAGON	16
10	PAFZZ		1BPK0	210404-01	WASHER, FLAT	32
11	PAFZZ		1BPK0	219324-01	BRACKET, MOUNTING	1
12	PAFZZ	5305-01-516-3393	2V507	91286A201	SCREW, CAP, HEXAGON HEAD	16
13	PAFZZ	5310-00-933-8121	80205	MS35338-139	WASHER, LOCK	24
					END OF FIGURE	

OPERATOR AND FIELD MAINTENANCE
 SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
 GROUP 010105, REAR JACK ASSEMBLY

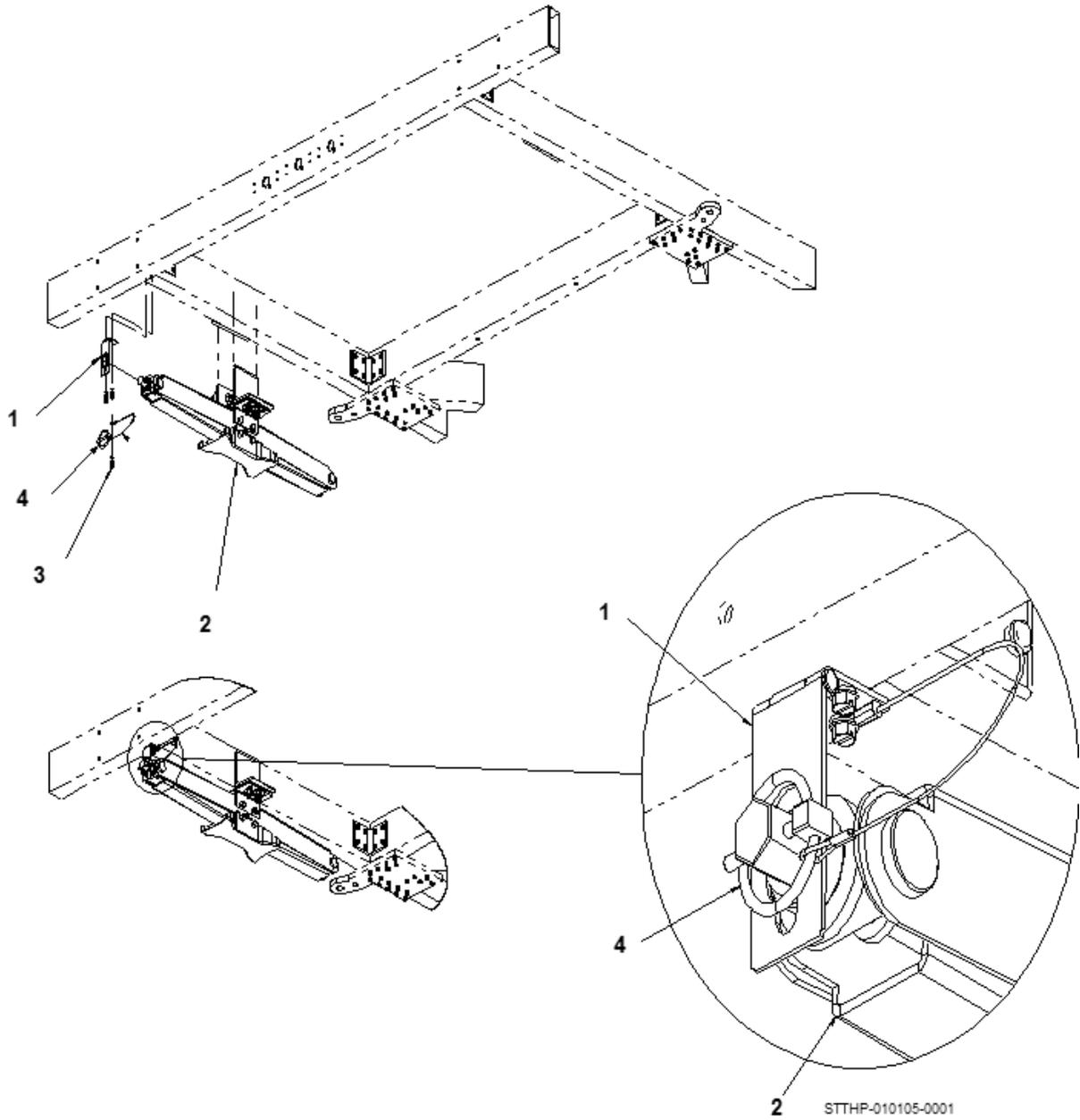
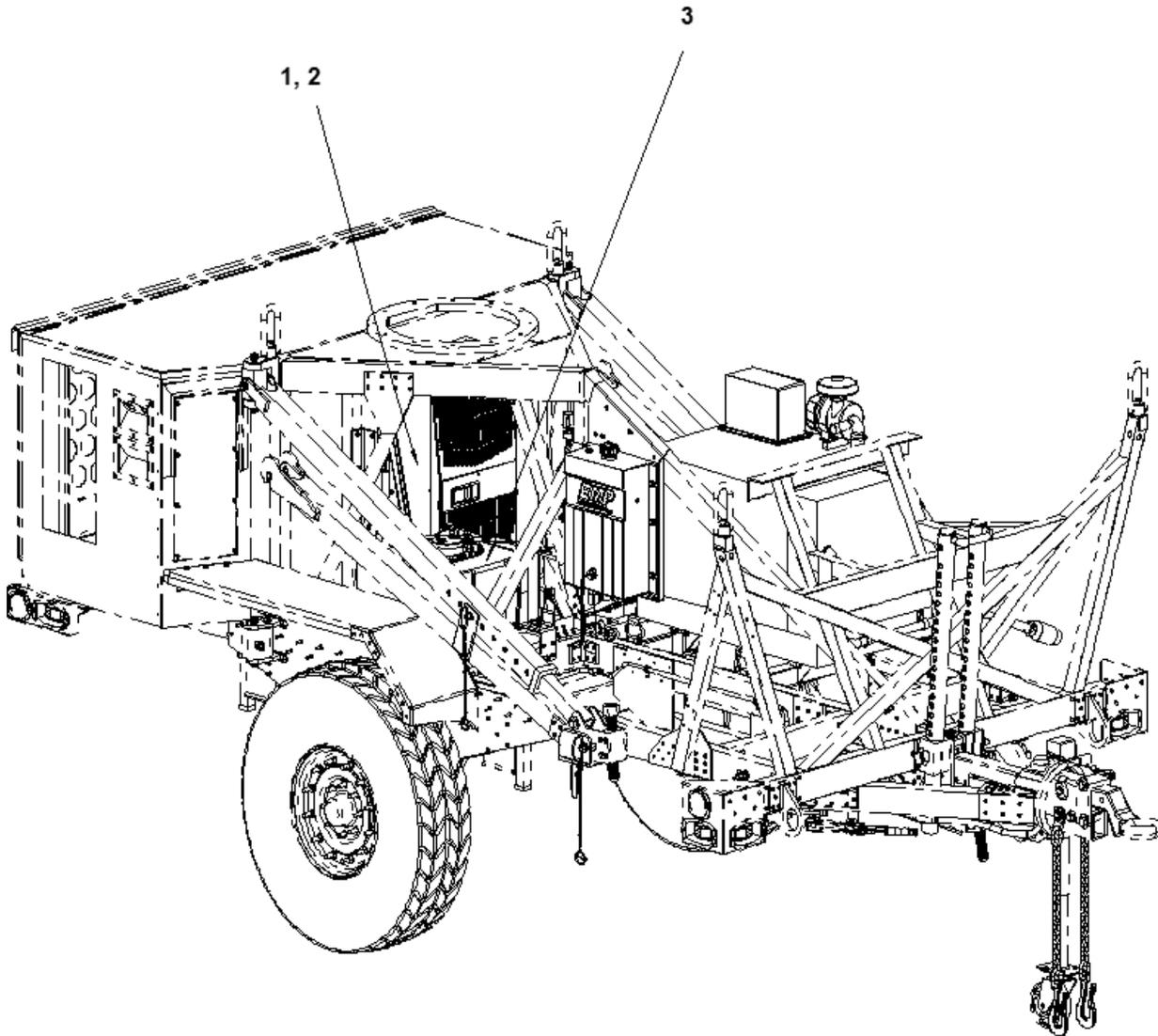


Figure 15. Jack, Leveling Support - Group 010105 (Sheet 1 of 2).

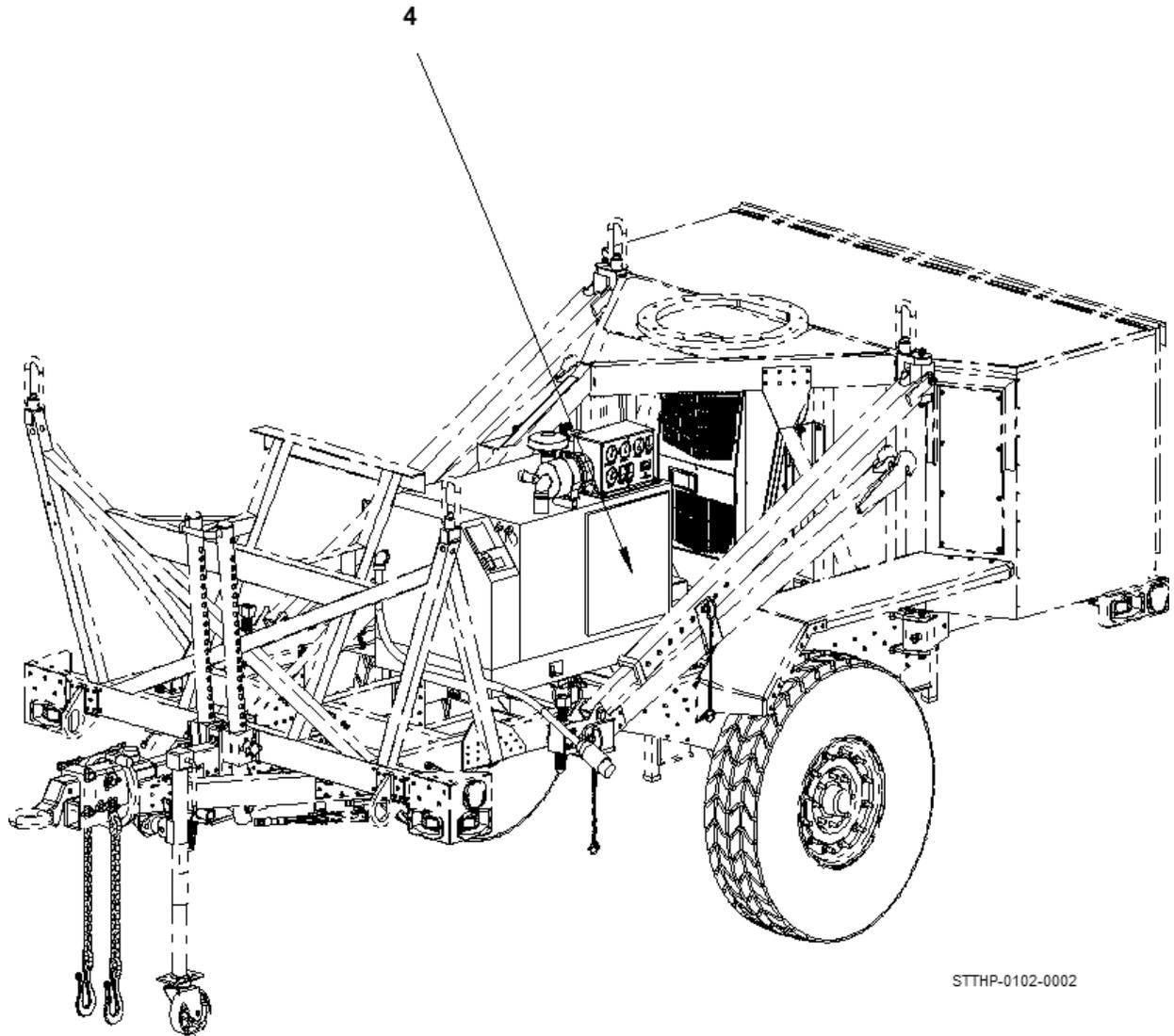
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010105, FIGURE 15; JACK, LEVELING- SUPPORT, 219361-01 (A119)	
1	PACZZ		1BPK0	209065-01	HASP, HINGED	1
2	PACZZ		1BPK0	202665-01	JACK, SCISSORS, HAND	1
3	PACZZ	5305-01-558-6716	39428	90822A450	SCREW, SELF-DRILLING	3
4	PACZZ		1BPK0	209005-01	PIN, QUICK RELEASE	1
5	PACZZ		1BPK0	209067-01	TIE DOWN, CARGO, VEHICLE	1
6	PACZZ		1BPK0	209066-01	ELEVATING BLOCK, JACK	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0102, SATELLITE COMMUNICATION SUBSYSTEM**



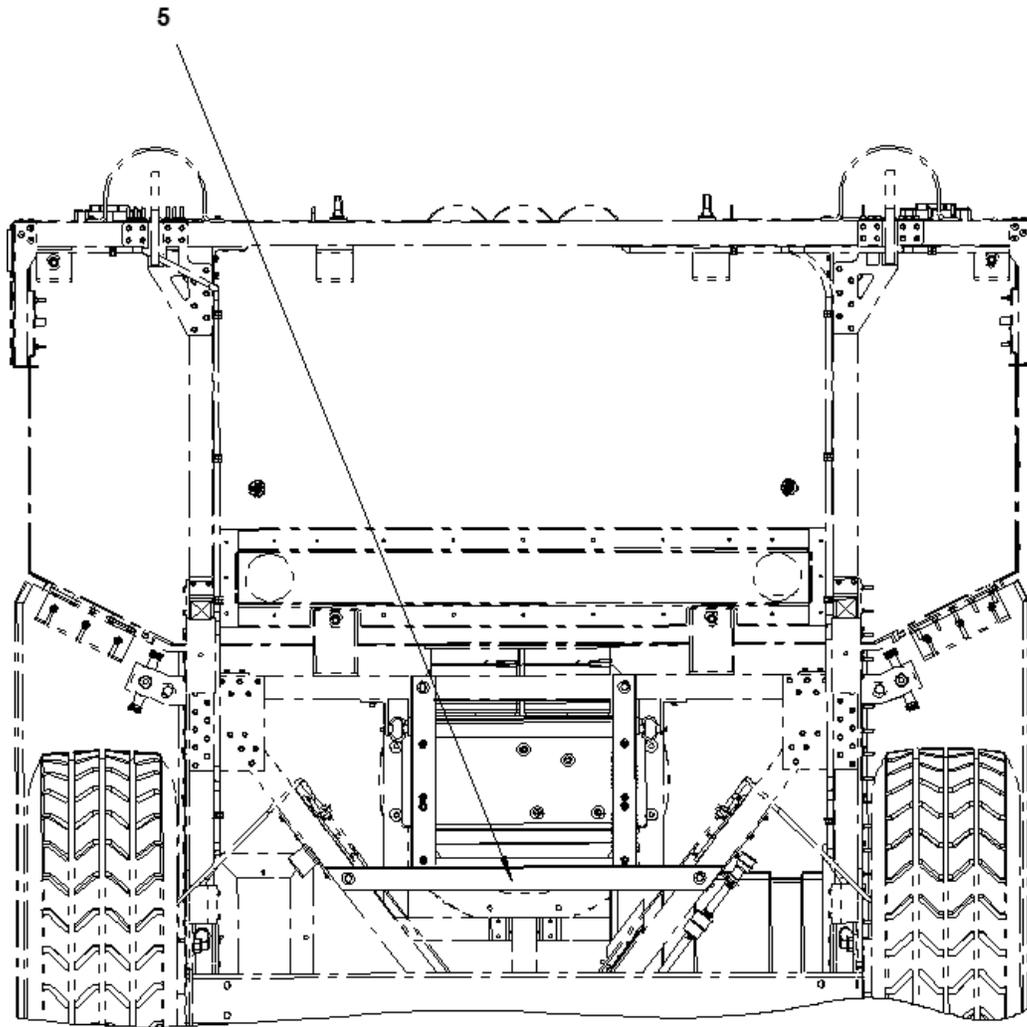
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Figure 16. Satellite Communication Subsystem - Group 0102 (Sheet 1 of 3).



STTHP-0102-0002

Figure 16. Satellite Communication Subsystem - Group 0102 (Sheet 2 of 3).

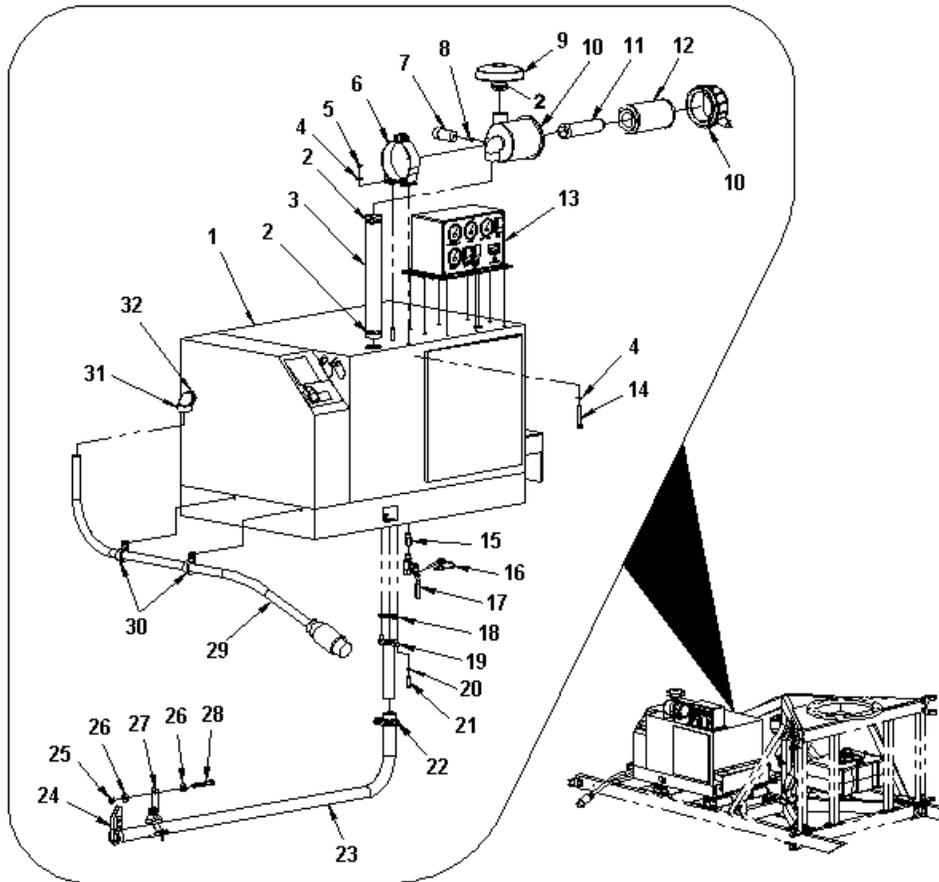


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Figure 16. Satellite Communication Subsystem - Group 0102 (Sheet 3 of 3).

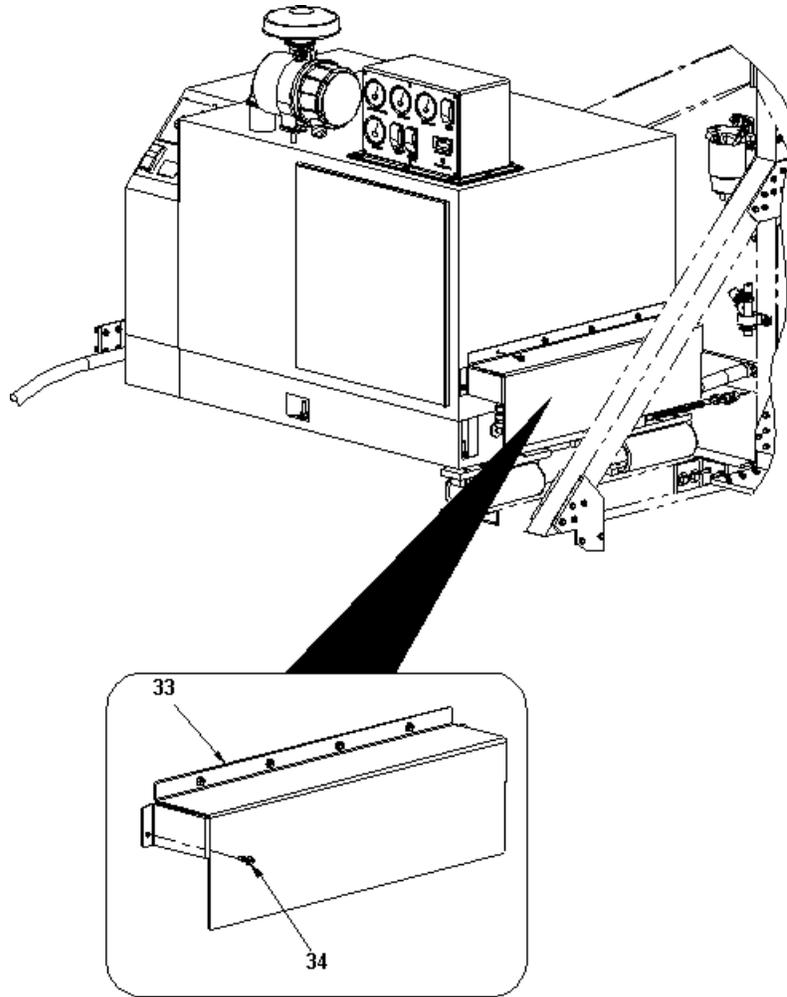
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0102, FIGURE 16; SATELLITE COMMUNICATION SUBSYSTEM, 987-0008-256 (A128)	
1	PAFDD		0EFD0	987-0008-283	AIR CONDITIONER	1
2	XBFFF		0EFD0	987-0008-546	BRACKET, MOUNTING	1
3	XBCCC		1BPK0	987-0009-238	TANK, LIQUID STORAGE	1
4	XBFDD		0EFD0	987-0008-298	GENERATOR SET	1
5	XBFFF		0EFD0	209160-02	BRACKET, MOUNTING	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010201, GENERATOR SET**



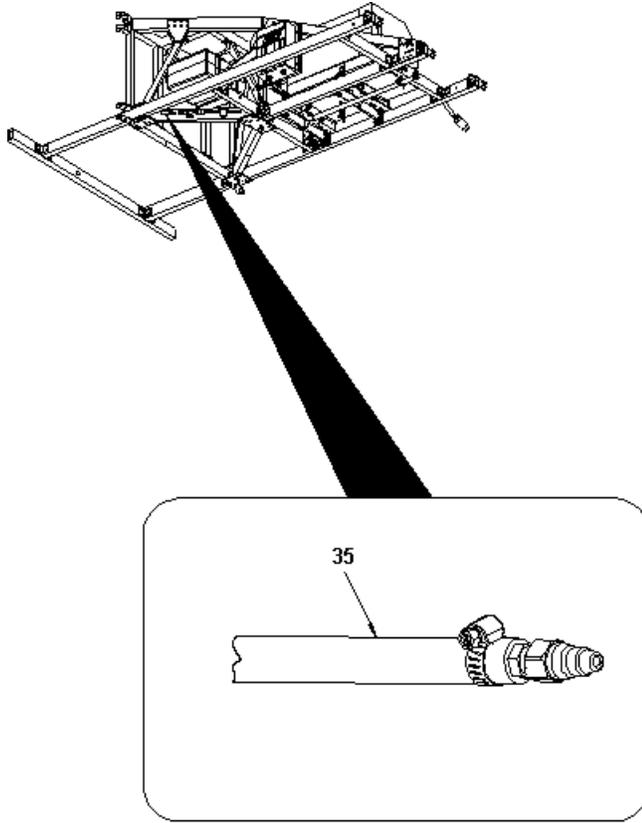
STTHP-010201-0001

Figure 17. Generator Set - Group 010201 (Sheet1 of 9).



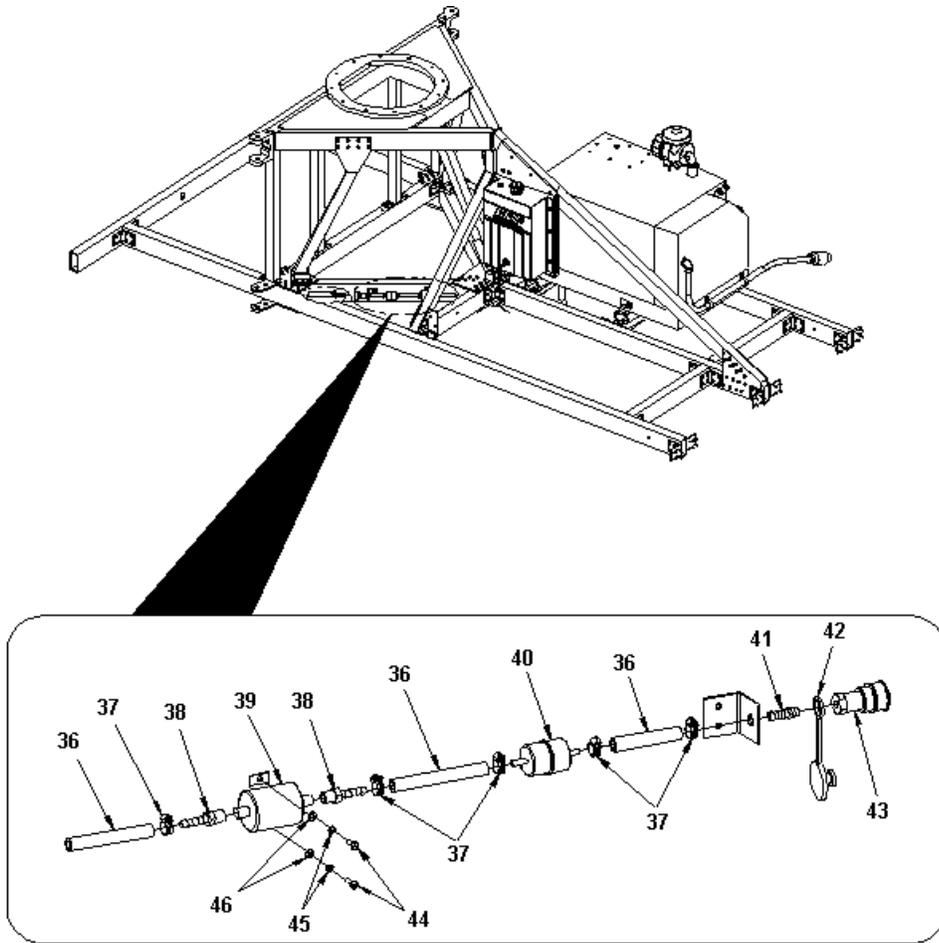
STTHP-010201-0002

Figure 17. Generator Set - Group 010201 (Sheet 2 of 9).



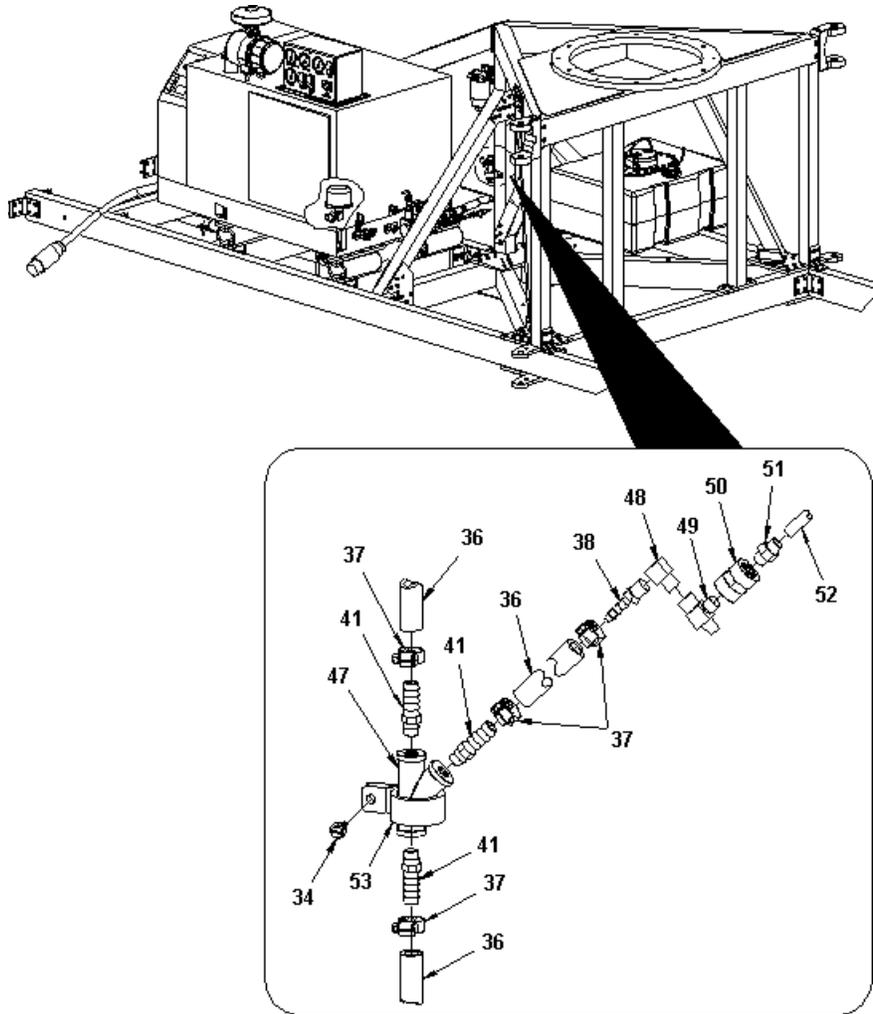
STTHP-010201-0003

Figure 17. Generator Set - Group 010201 (Sheet 3 of 9).



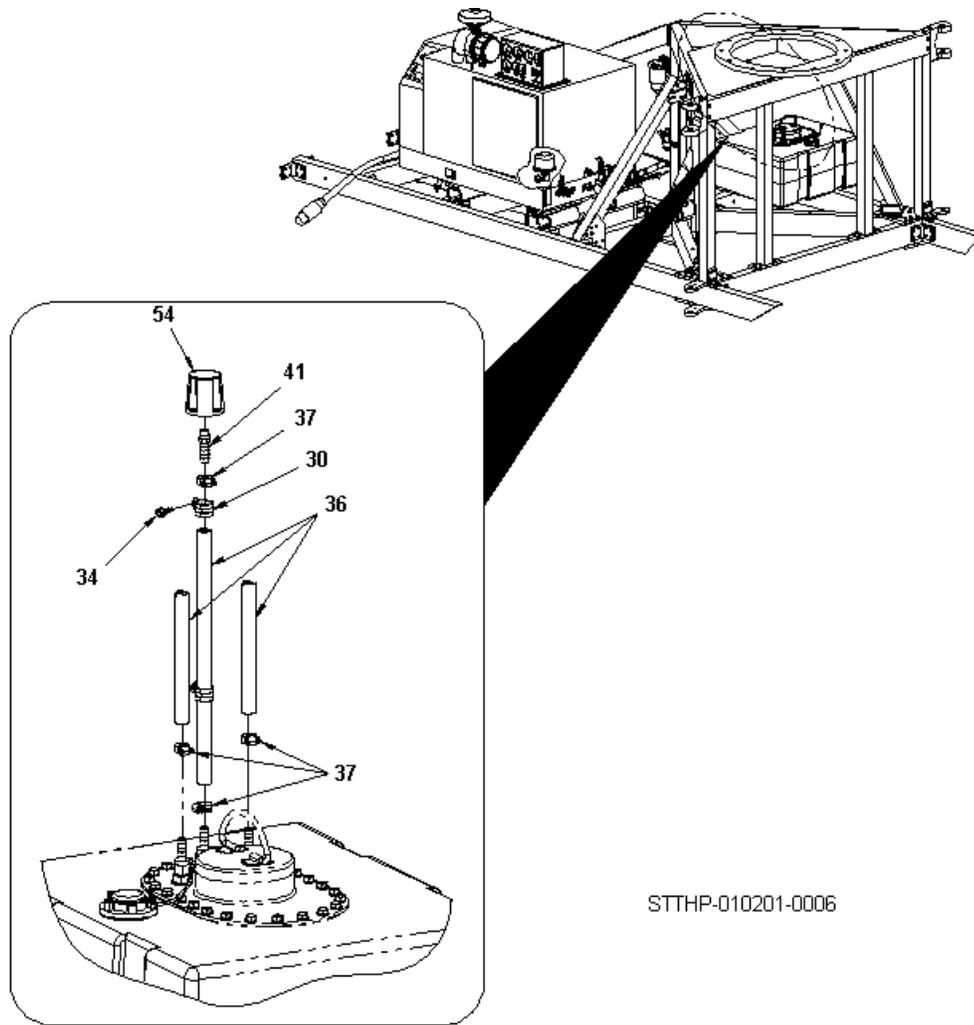
STTHP-010201-0004

Figure 17. Generator Set - Group 010201 (Sheet 4 of 9).



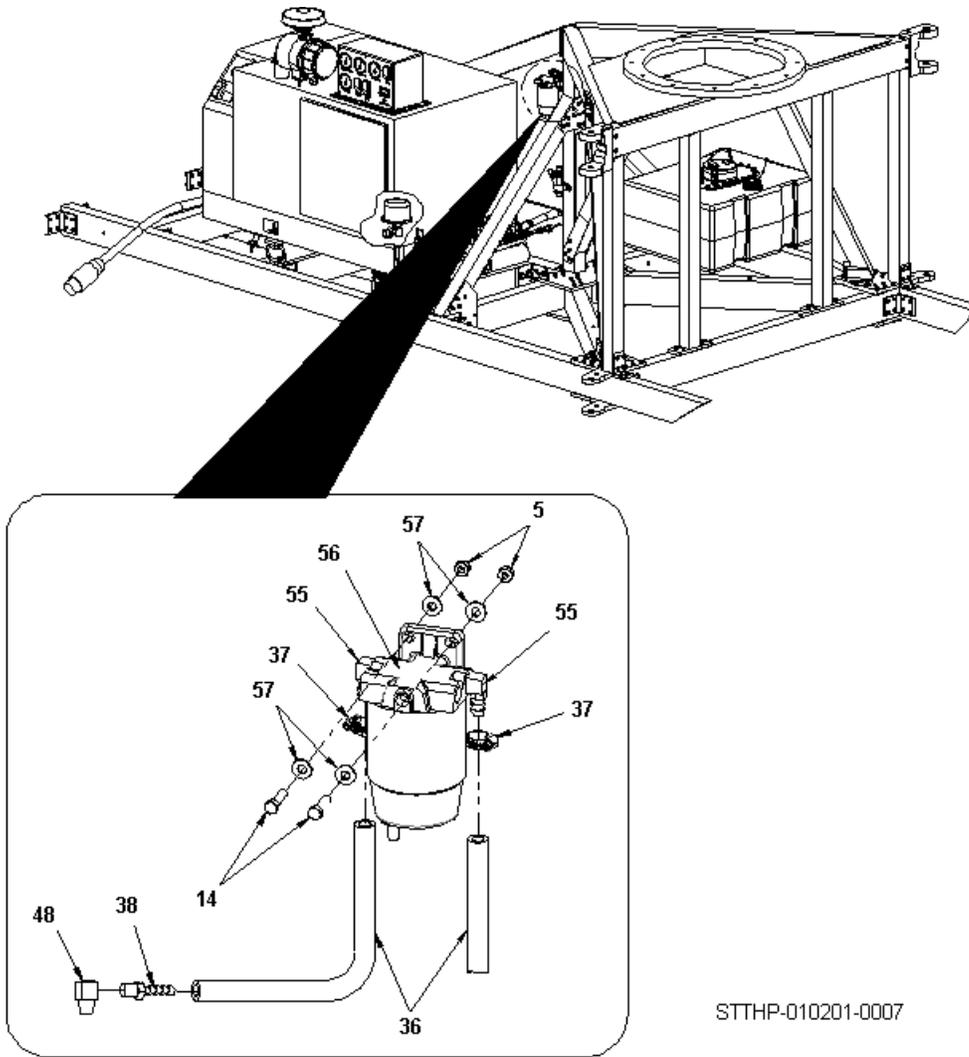
STTHP-010201-0005

Figure 17. Generator Set - Group 010201 (Sheet 5 of 9).



SSTHP-010201-0006

Figure 17. Generator Set - Group 010201 (Sheet 6 of 9).



STTHP-010201-0007

Figure 17. Generator Set - Group 010201 (Sheet 7 of 9).

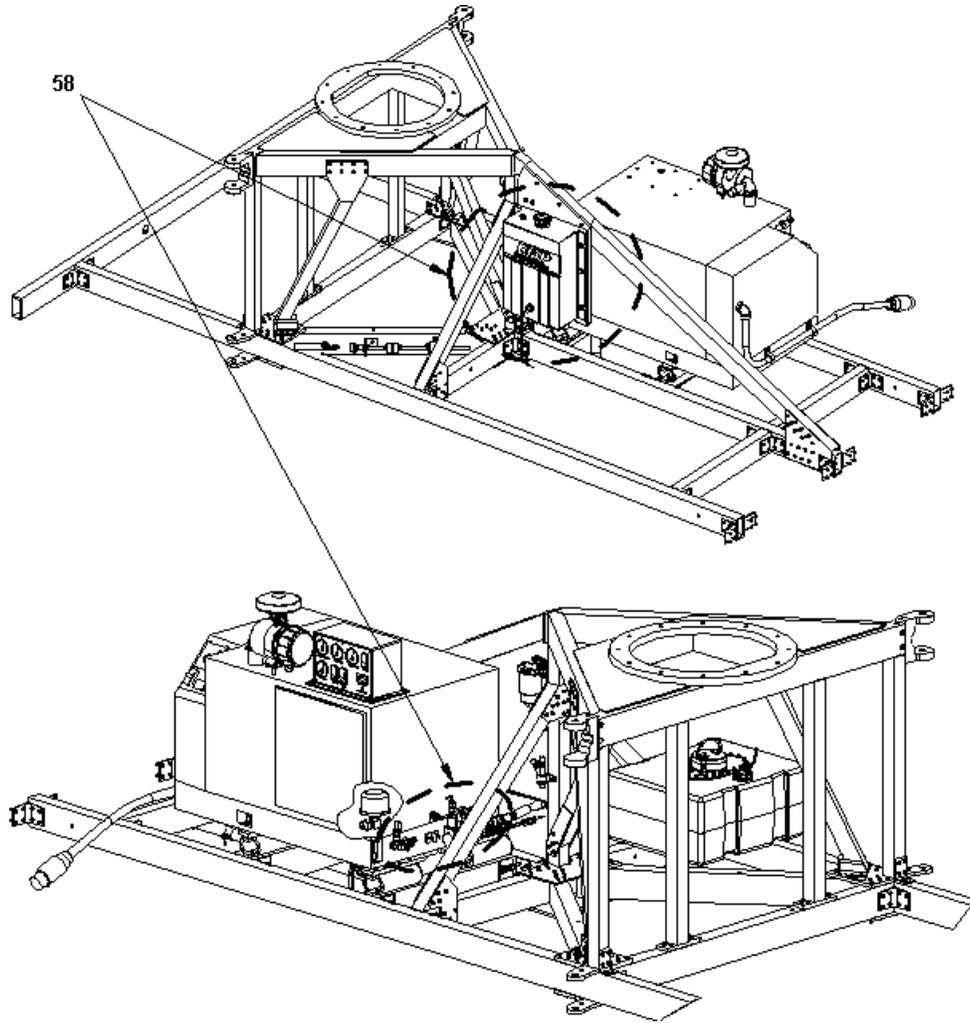
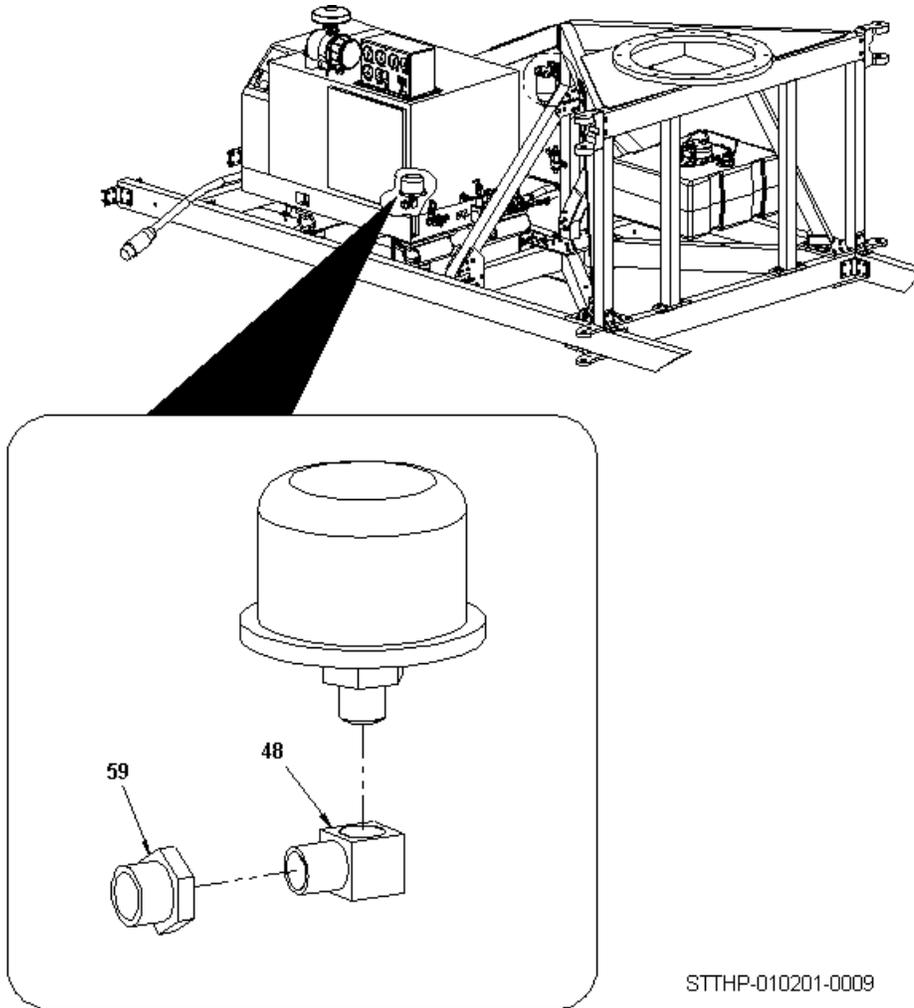


Figure 17. Generator Set - Group 010201 (Sheet 8 of 9).



STTHP-010201-0009

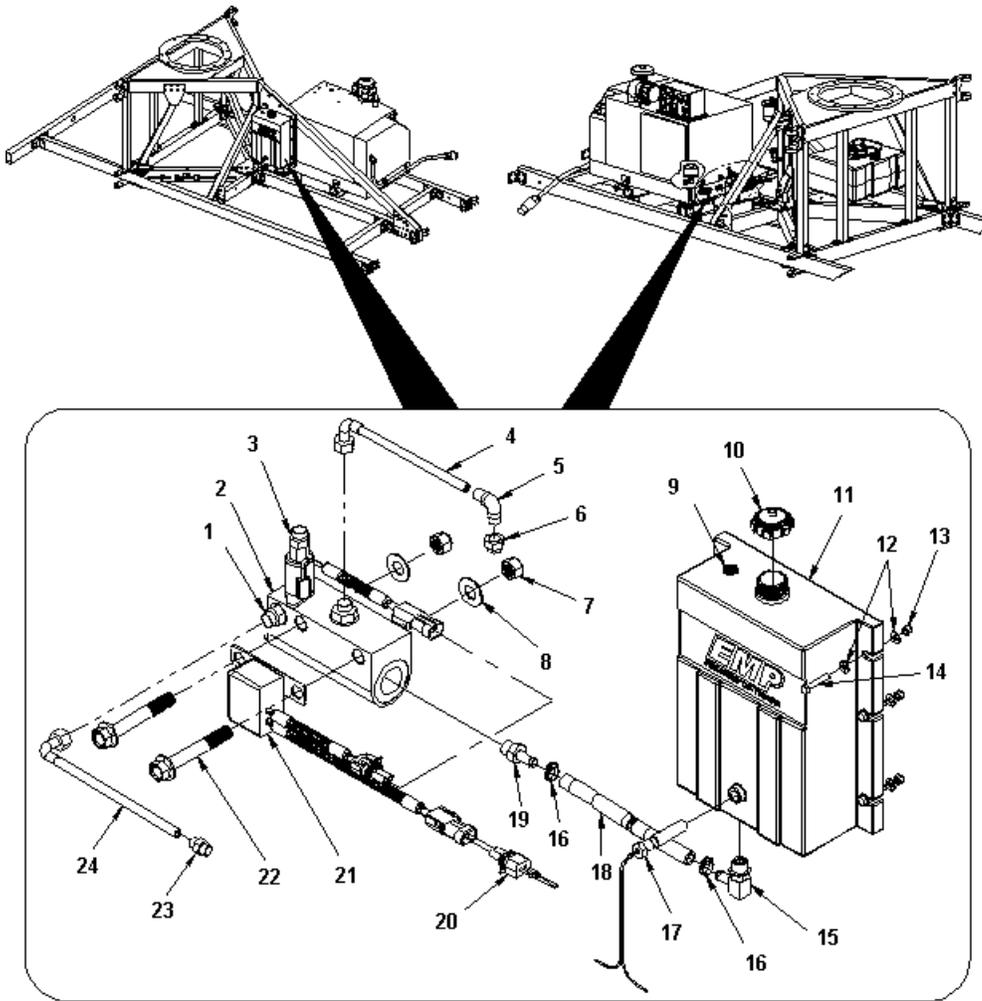
Figure 17. Generator Set - Group 010201 (Sheet 9 of 9).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010201, FIGURE 17; GENERATOR SET 987-0008-298 (A129)	
1	PAFDD		06MF4	218156-01	GENERATOR	1
2	PAFZZ		0KVE6	5407K21	CLAMP, HOSE	3
3	PAFZZ		1BPK0	217956-01	HOSE, NONMETALLIC	1
4	PAFZZ	5310-01-511-4499	39428	98370A013	WASHER, FLAT	4
5	PAFZZ	5310-01-395-4695	80205	MS17829Z4C	NUT, SELF-LOCKING, HEXAGON	4
6	PAFZZ	5340-01-591-7301	33457	3918199-S	CLAMP, LOOP	1
7	PAFZZ	2940-01-226-2773	18265	RBX00-2251	INDICATOR, FILTER WARNING, VEHICULAR ENGINE	1
8	PAFZZ		1BPK0	297926-01	COUPLING, PIPE	1
9	PAFZZ		33457	3918195-S	DEFLECTOR, AIR CLEANER, INTAKE	1
10	PAFZZ		1BPK0	217955-01	FILTER BODY, INTAKE AIR CLEANER	1
11	PAFZZ	4130-01-589-0410	33457	AF-25967	FILTER ELEMENT, AIR CONDITIONING	1
12	PAFZZ	4310-01-588-8471	33457	AF-25550	FILTER ELEMENT, INTAKE AIR CLEANER	1
13	XBCCC		0EFD0	987-0008-537	METER ASSEMBLY, ELECTRICAL	1
14	PAFZZ	5305-00-225-3843	96906	MS90728-8	SCREW, CAP, HEXAGON HEAD	4
15	PAFZZ		1BPK0	215525-01	COUPLING, PIPE	2
16	PAFZZ		39428	98416A211	PIN, STRAIGHT, HEADED	1
17	PAFZZ		39428	4629K41	VALVE, BALL	1
18	PCFZZ	5330-01-534-1972	44940	154-2800	GASKET	1
19	PAFZZ	2990-01-571-2576	44940	155-2424	PIPE, EXHAUST	1
20	PAFZZ		1BPK0	298407-01	WASHER, FLAT	1
21	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT, MACHINE	2
22	PAFZZ		1BPK0	207149-01	MUFFLER, EXHAUST	1
23	PAFZZ		1BPK0	209009-01	PIPE, EXHAUST	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
24	PAFZZ		1BPK0	209027-01	CAP ASSEMBLY, PROTECTIVE, MUFFLER- EXHAUST PIPE	1
25	PAFZZ	5310-01-527-3369	2V507	90631A411	NUT, SELF-LOCKING, HEXAGON	1
26	PAFZZ		1BPK0	210404-01	WASHER, FLAT	2
27	PAFZZ		1BPK0	209026-01	HANGER, ENGINE EXHAUST SYSTEM	1
28	PAFZZ	5305-00-781-3926	80204	B1821BH038C275N	SCREW, CAP, HEXAGON HEAD	1
29	PAFZZ		0EFD0	987-0008-556	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
30	PAFZZ		1BPK0	205217-4001-01	CLAMP, LOOP	5
31	PAFZZ		1BPK0	297067-01	BOX CONNECTOR, ELECTRICAL	1
32	PAFZZ	5975-01-305-5099	56501	143SL	LOCKNUT, ELECTRICAL CONDUIT	1
33	XBFZZ		1BPK0	209096-01	COVER	1
34	PAFZZ	5305-01-558-6716	39428	90822A450	SCREW, SELF-DRILLING	11
35	PAFZZ		1BPK0	209166-02	HOSE, NONMETALLIC	1
36	PAFZZ		1BPK0	209054-01	HOSELINE OUTFIT, FUEL HANDLING	14
37	PAFZZ	5340-01-561-6309	7Z588	5011T141	CLAMP, LOOP	16
38	PAFZZ	4730-01-442-3393	39428	5346K17	ADAPTER, STRAIGHT, PIPE TO HOSE	4
39	PAFZZ	2910-01-590-0754	06MF4	541-0530	PUMP, FUEL, ELECTRICAL	1
40	PAFZZ	2910-00-845-6770	33457	FF149	FILTER, FLUID	1
41	PAFZZ		1BPK0	298255-01	ADAPTER, STRAIGHT, PIPE TO HOSE	3
42	PAFZZ		1BPK0	209088-01	CAP, PROTECTIVE, DUST AND MOISTURE SEAL	1
43	PAFZZ	4730-00-795-6959	73992	B2-H16	COUPLING HALF, QUICK DISCONNECT	1
44	PAFZZ	5305-00-059-3660	80205	MS51958-64	SCREW, MACHINE	2
45	PAFZZ	5310-00-933-8120	80205	MS35338-138	WASHER, LOCK	2
46	PAFZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	2
47	PAFZZ		0KVE6	4429K368	COUPLING, PIPE	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
48	PAFZZ		0KVE6	9171K16	ELBOW, PIPE	2
49	PAFZZ		3T557	2MP-2FP-2MP	TEE, PIPE	1
50	PAFZZ		39428	9171K72	COUPLING, HOSE	1
51	PAFZZ		1BPK0	218366-01	COUPLING, PIPE	1
52	PAFZZ		1BPK0	218367-01	HOSE, NONMETALLIC	1
53	PAFZZ		1BPK0	205397-01	CLAMP, LOOP	1
54	PAFZZ		1BPK0	209001-01	BREATHER	1
55	PAFZZ	4730-01-483-8102	39428	53525K17	ELBOW, PIPE TO HOSE	3
56	PAFZZ	2910-01-477-0840	55752	120AT	FILTER, FLUID	1
57	PAFZZ	5310-01-480-1328	96906	MS51412-4A	WASHER, FLAT	4
58	PAFFF	5430-01-616-8367	1BPK0	298831-01	TANK, LIQUID STORAGE	1
59	PAFZZ		39428	4429K521	BUSHING, PIPE	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 01020102, OILMATE KIT**



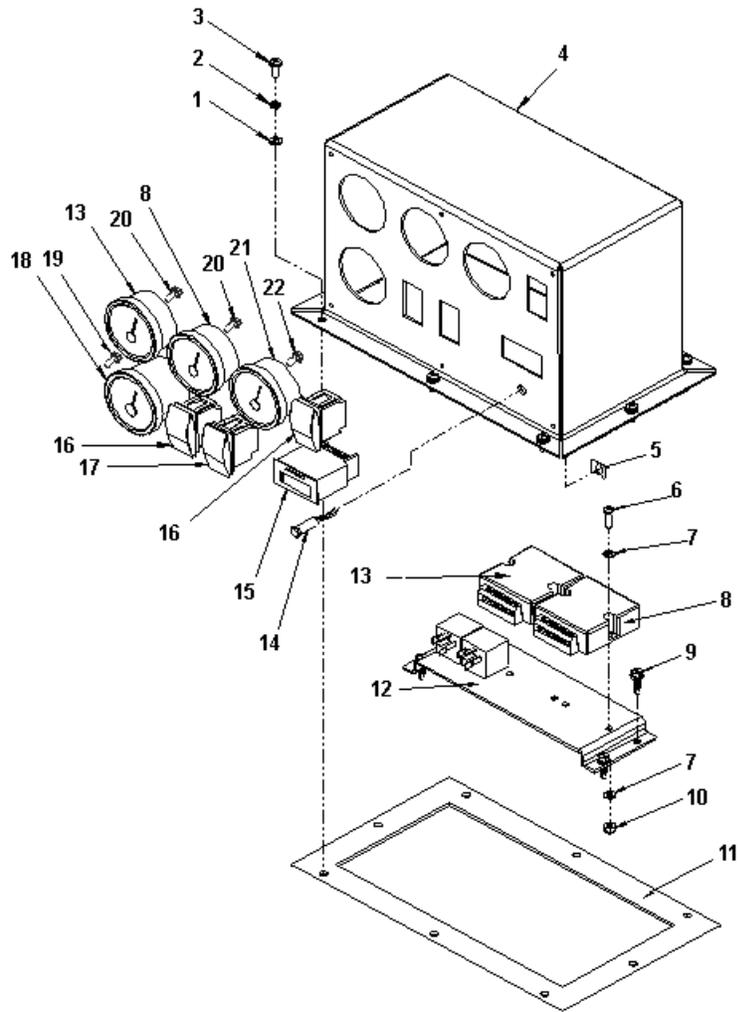
STTHP-01020102-0001

Figure 18. Oilmate Kit - Group 01020102.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01020102, FIGURE 18; OILMATE KIT, 298831-01 (A210)	
1	PAFZZ		1BPK0	218365-01	COUPLING, PIPE	1
2	PAFZZ	2990-01-597-6256	1HUX0	P0001740100	OIL PUMP ASSEMBLY, ENGINE	1
3	PAFZZ		0EFD0	218364-01	COUPLING, PIPE	1
4	PAFZZ		1BPK0	218168-01	HOSE, NONMETALLIC	1
5	PAFZZ		1BPK0	215523-01	COUPLING, PIPE	1
6	PAFZZ		1BPK0	215524-01	CAP, FILLER OPENING	1
7	PAFZZ	5310-00-245-3423	80205	MS17829-7C	NUT, SELF-LOCKING, HEXAGON	2
8	PAFZZ		1BPK0	218370-01	WASHER, FLAT	2
9	PAFZZ		1BPK0	216712-01	PLUG, MACHINE THREAD	1
10	PAFZZ		1BPK0	216711-01	CAP, FILLER OPENING	1
11	PAFZZ		1BPK0	216710-01	TANK, LIQUID STORAGE	1
12	PAFZZ		1BPK0	298407-01	WASHER, FLAT	12
13	PAFZZ	5310-01-527-3369	2V507	90631A411	NUT, SELF-LOCKING, HEXAGON	6
14	PAFZZ	5305-00-782-9489	96906	MS90728-66	SCREW, CAP, HEXAGON HEAD	6
15	PAFZZ		1BPK0	216714-01	ADAPTER, STRAIGHT, PIPE TO HOSE	1
16	PAFZZ		1BPK0	298244-01	CLAMP, HOSE	2
17	PAFZZ		1BPK0	216713-01	SWITCH, LIQUID LEVEL	1
18	PAFZZ		1BPK0	216715-01	HOSE, NONMETALLIC	1
19	PAFZZ		1BPK0	218368-01	ADAPTER, STRAIGHT, PIPE TO HOSE	1
20	PAFZZ		1BPK0	298829-01	WIRING HARNESS	1
21	PAFZZ		1BPK0	298830-01	SEPARATOR, OIL	1
22	PAFZZ		1BPK0	218369-01	SCREW, CAP, HEXAGON HEAD	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
23	PAFZZ		1BPK0	218366-01	COUPLING, PIPE	1
24	PAFZZ		1BPK0	218169-01	HOSE, NONMETALLIC	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 01020103, ELECTRICAL METER ASSEMBLY**

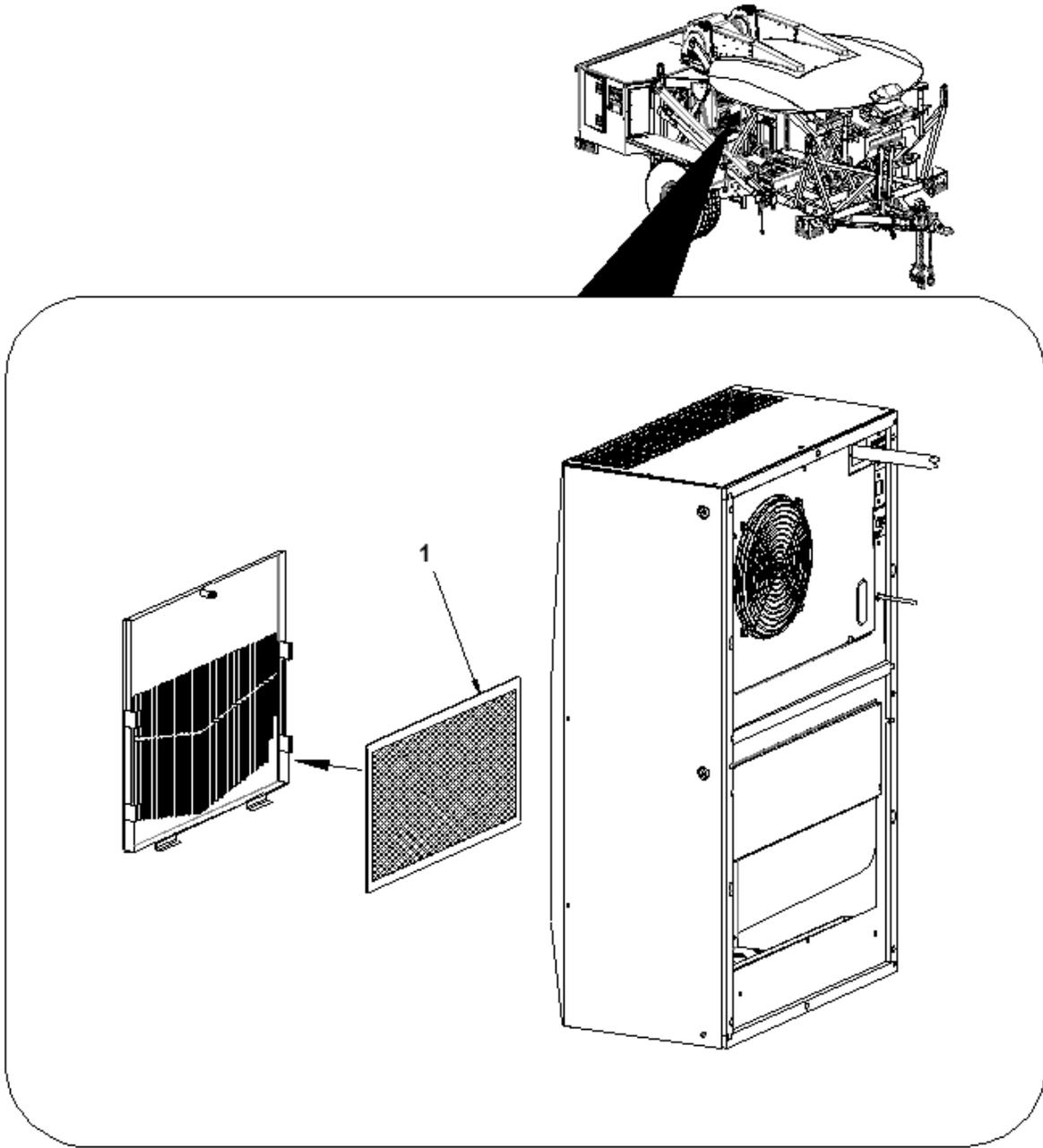


STTHP-01020103-0001

Figure 19. Electrical Meter Assembly - Group 01020103.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01020103, FIGURE 19; ELECTRICAL METER ASSEMBLY, 987-0008-537 (A211)	
1	PACZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	12
2	PACZZ	5310-00-933-8120	80205	MS35338-138	WASHER, LOCK	8
3	PACZZ	5305-00-059-3661	80205	MS51958-65	SCREW, MACHINE	10
4	XBCZZ		0EFD0	987-0008-297	HOUSING, GUAGE	1
5	PACZZ		0EFD0	298264-01	CLIP, RETAINING	1
6	PACZZ	5305-00-054-6671	96906	MS51957-46	SCREW, MACHINE	4
7	PACZZ	5310-01-352-9572	80205	NAS1149CN832R	WASHER, FLAT	8
8	PACZZ	6685-01-589-1080	0B8Y6	R6721	GUAGE, PRESSURE, DIAL INDICATING	1
9	PACZZ	5305-01-558-6716	39428	90822A450	SCREW, SELF-DRILLING	4
10	PACZZ	5310-00-176-6333	96906	MS17830-08C	NUT, SELF-LOCKING, HEXAGON	6
11	PACZZ		0EFD0	987-0008-296	RUBBER SHEET, CELLULAR	1
12	XBCZZ		0EFD0	987-0008-536	BRACKET, MOUNTING	1
13	PACZZ	6685-01-589-5781	0B8Y6	R6750	INDICATOR, TEMPERATURE, SYNCHRO	1
14	PACZZ		8Z410	PPS312-1AG-014V- W6	LIGHT EMITTING DIODE	1
15	PACZZ		0EFD0	297992-01	DATA COUNTER	1
16	PACZZ	5930-01-589-3683	1QFU4	V1DAB60B-CTC	SWITCH, TOGGLE	2
17	PACZZ	5930-01-594-2398	1QFU4	V1DAB60B-CMC	SWITCH, TOGGLE	1
18	PACZZ		0B8Y6	R6791	INDICATOR, LIQUID QUANTITY	1
19	PACZZ	6240-01-589-4112	07482	PC168	LAMP, CARTRIDGE	2
20	PACZZ	6240-01-589-5821	0B8Y6	R7780	LAMP, CARTRIDGE	4
21	PACZZ	6625-01-589-1565	0B8Y6	R6760	VOLTMETER	1
22	PACZZ	6240-01-589-1620	0B8Y6	R7782	LAMP, CARTRIDGE	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010202, ECU ASSEMBLY**

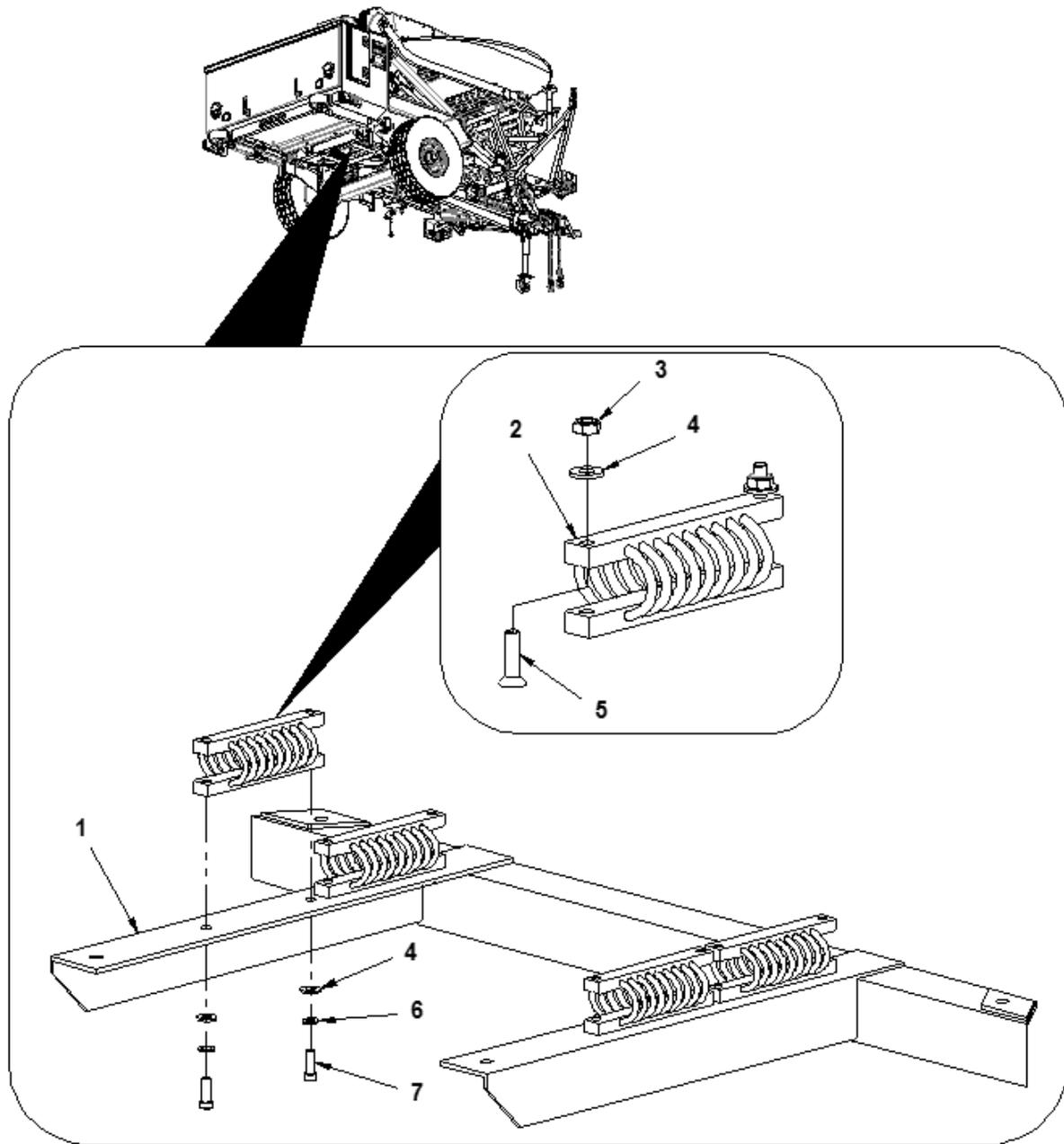


STTHP-010202-0001

Figure 20. Air Conditioner - Group 010202.

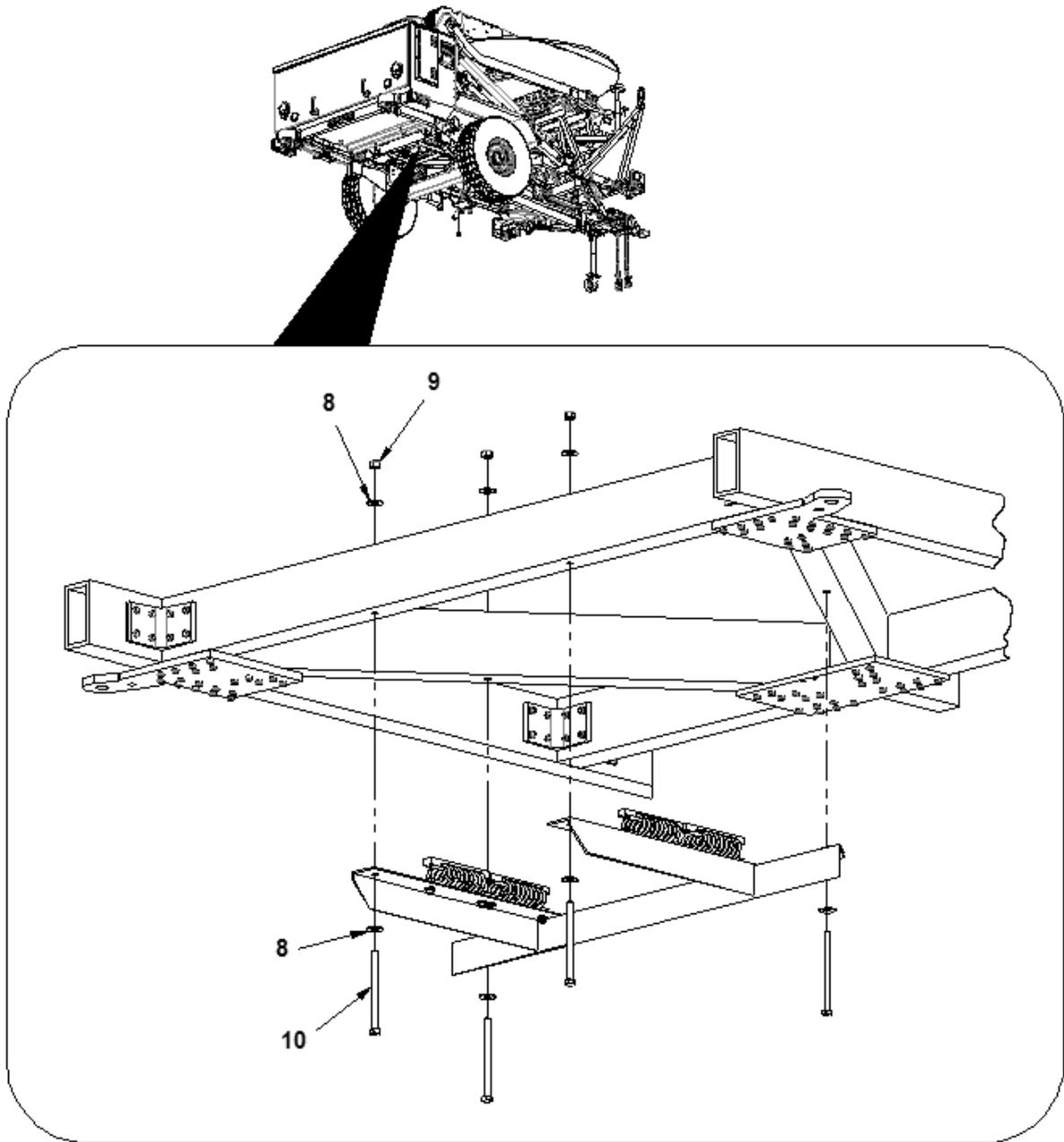
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PACZZ		61154	10-1000-107	GROUP 010202, FIGURE 20; AIR CONDITIONER, 987-0008-283 (A230) FILTER ELEMENT, AIR CONDITIONING END OF FIGURE	1

OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010203, LOWER AC MOUNT



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Figure 21. Bracket, Mounting - Group 010203 (Sheet 1 of 2).

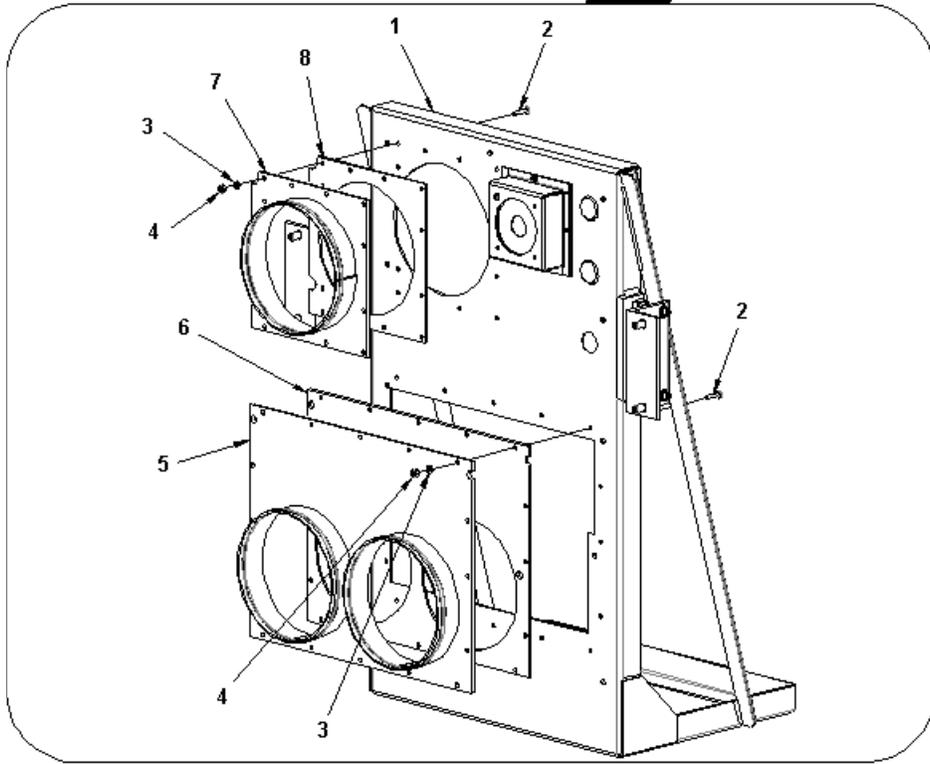
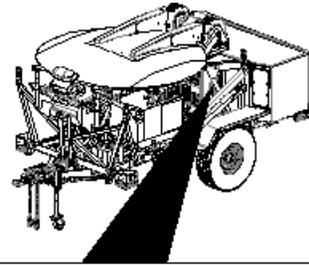


STTHP-010203-0002

Figure 21. Bracket, Mounting - Group 010203 (Sheet 2 of 2).

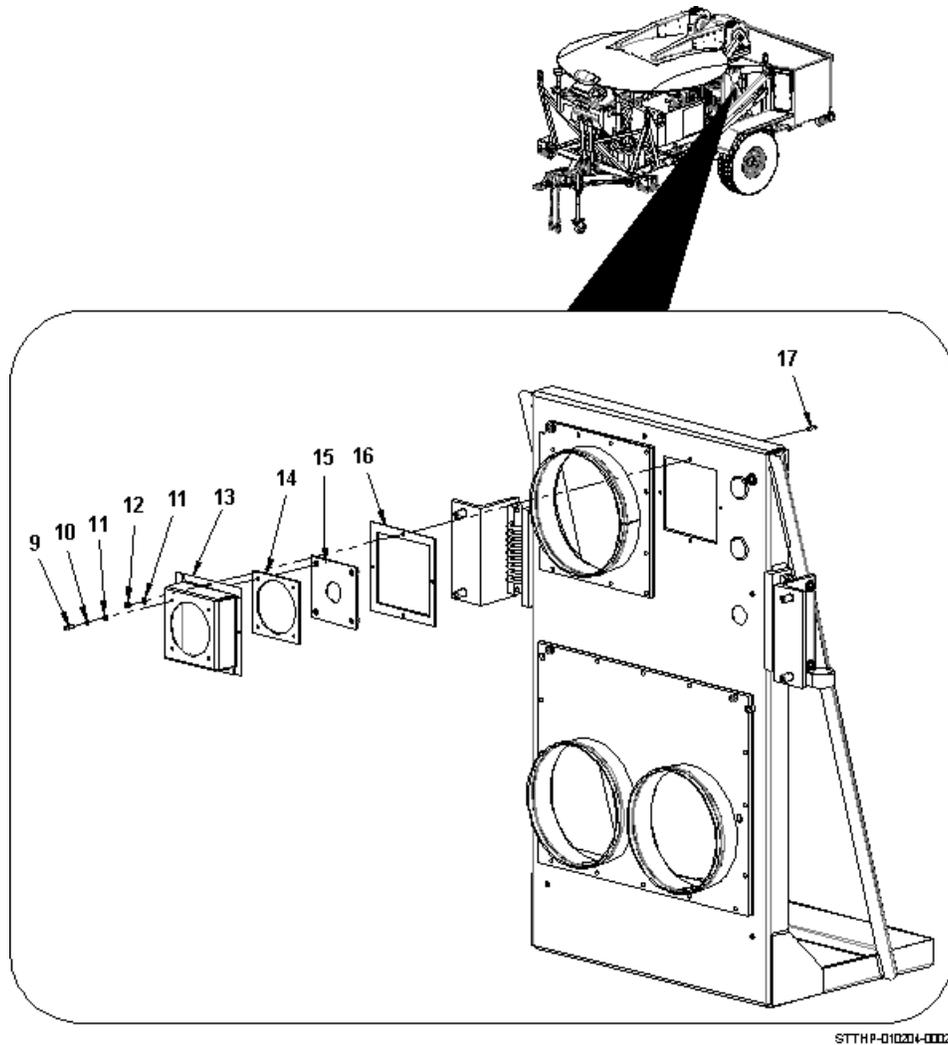
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010203, FIGURE 21; BRACKET, MOUNTING, 209160-02 (A247)	
1	XBFZZ		1BPK0	219329-01	BRACKET, MOUNTING	1
2	XBFZZ		1BPK0	209029-01	MOUNTING BASE, ELECTRICAL EQUIPMENT	4
3	PAFZZ	5310-01-395-4695	80205	MS17829Z4C	NUT, SELF-LOCKING, HEXAGON	8
4	PAFZZ	5310-01-480-1328	96906	MS51412-4A	WASHER, FLAT	16
5	PAFZZ		0EFD0	205741-01	SCREW, MACHINE	8
6	PAFZZ	5310-00-933-8121	80205	MS35338-139	WASHER, LOCK	8
7	PAFZZ	5305-00-988-7614	80205	MS16995-50	SCREW, CAP, SOCKET HEAD	8
8	PAFZZ		1BPK0	210404-01	WASHER, FLAT	8
9	PAFZZ	5310-01-527-3369	2V507	90631A411	NUT, SELF-LOCKING, HEXAGON	4
10	PAFZZ		1BPK0	205217-1254-02	SCREW, CAP, HEXAGON HEAD	4
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010204, UPPER AC MOUNT**



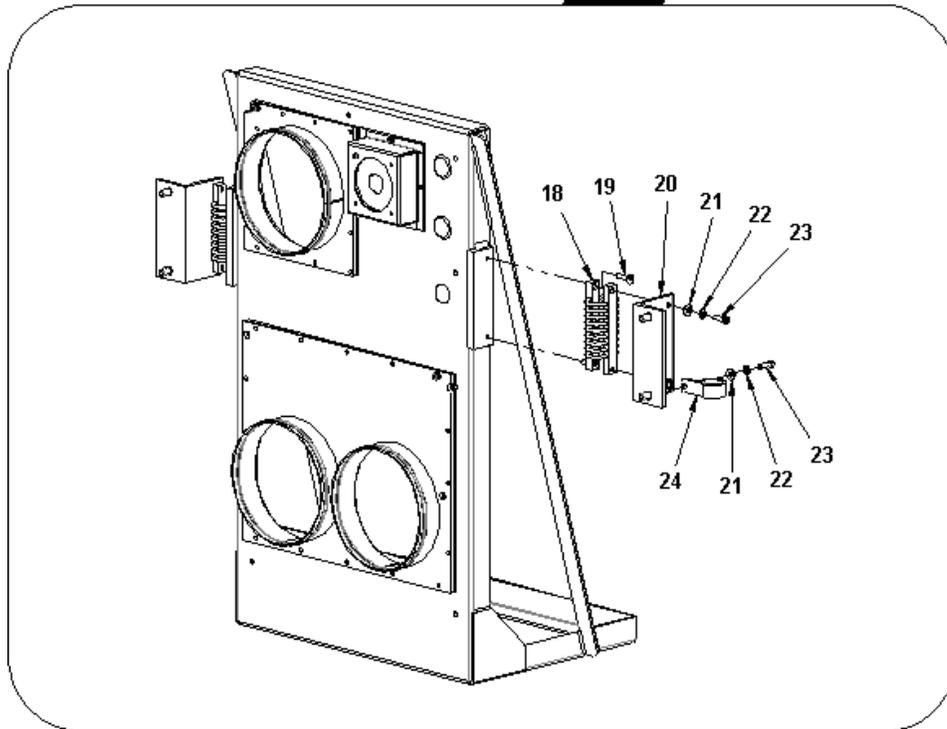
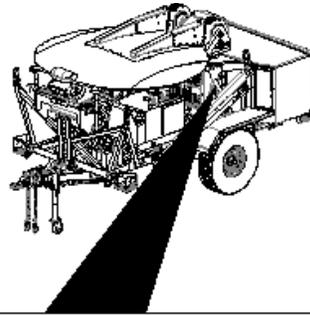
STTHP-010204-0001

Figure 22. Bracket, Mounting - Group 010204 (Sheet 1 of 5).



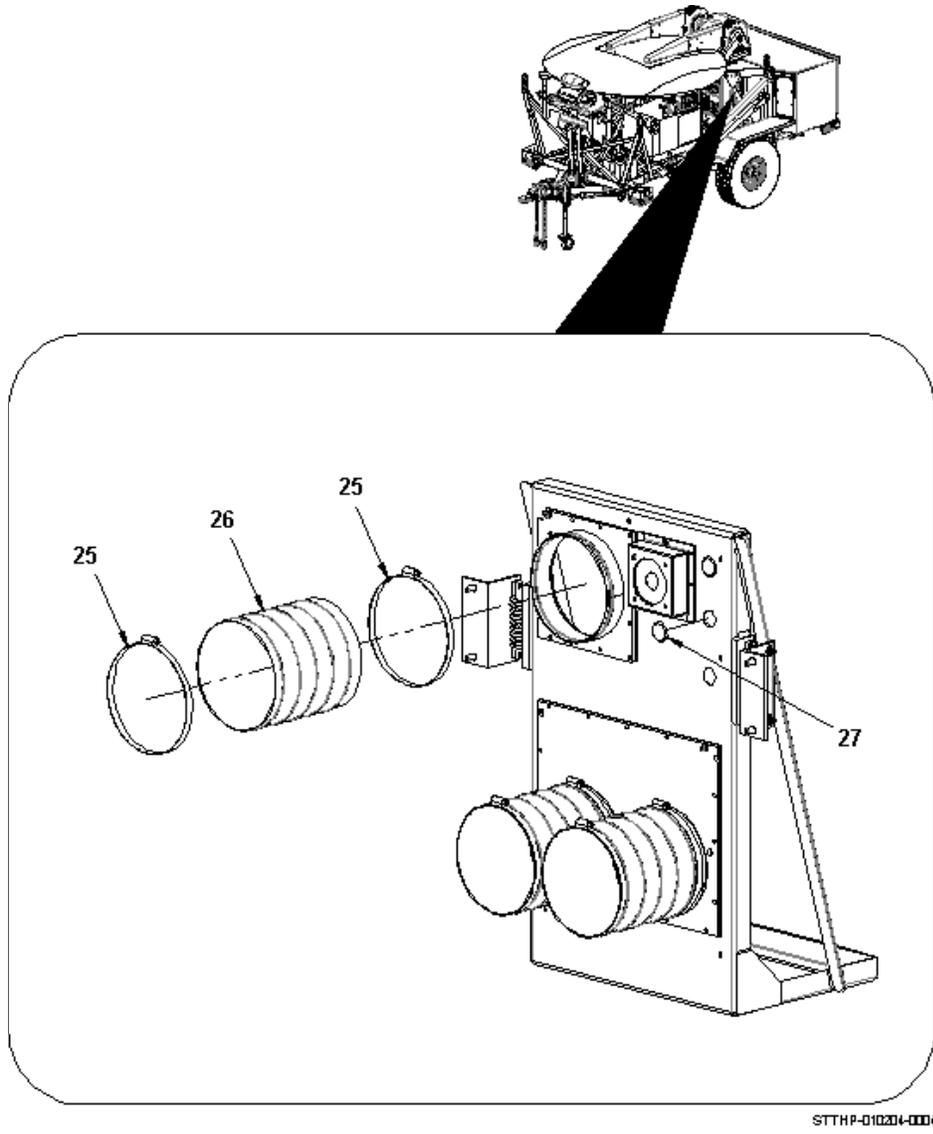
STTHP-010204-0002

Figure 22. Bracket, Mounting - Group 010204 (Sheet 2 of 5).



STTHP-010204-0003

Figure 22. Bracket, Mounting - Group 010204 (Sheet 3 of 5).



STTHP-010204-0004

Figure 22. Bracket, Mounting - Group 010204 (Sheet 4 of 5).

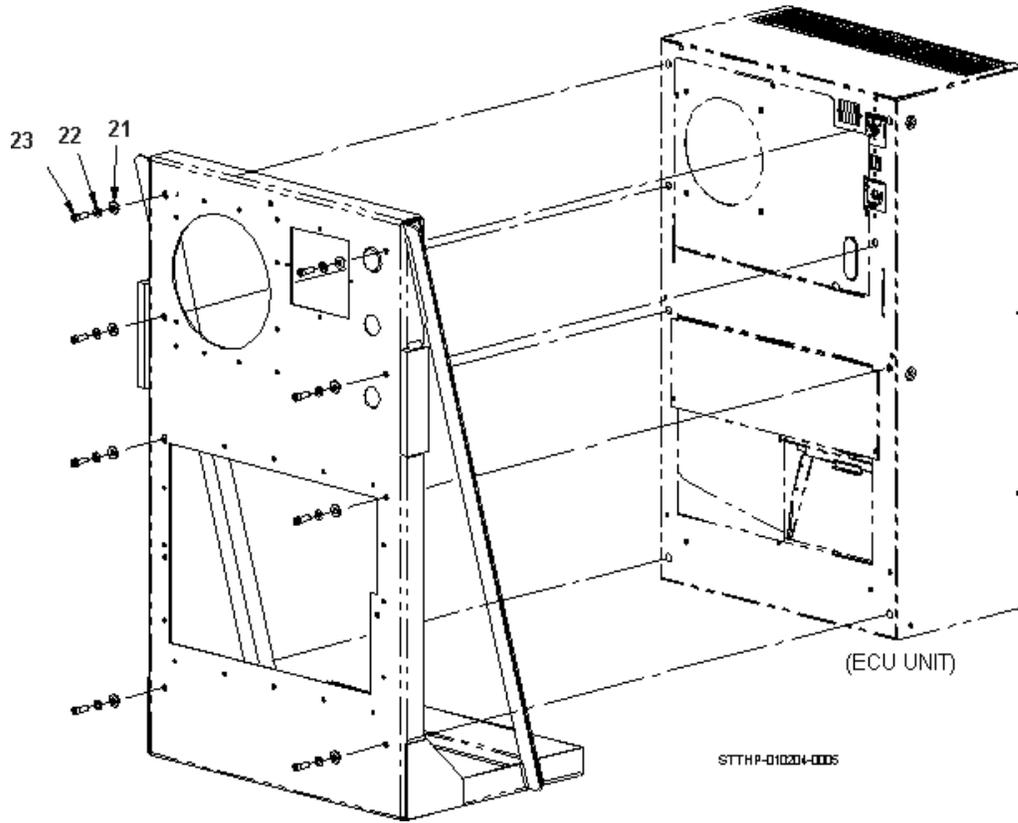
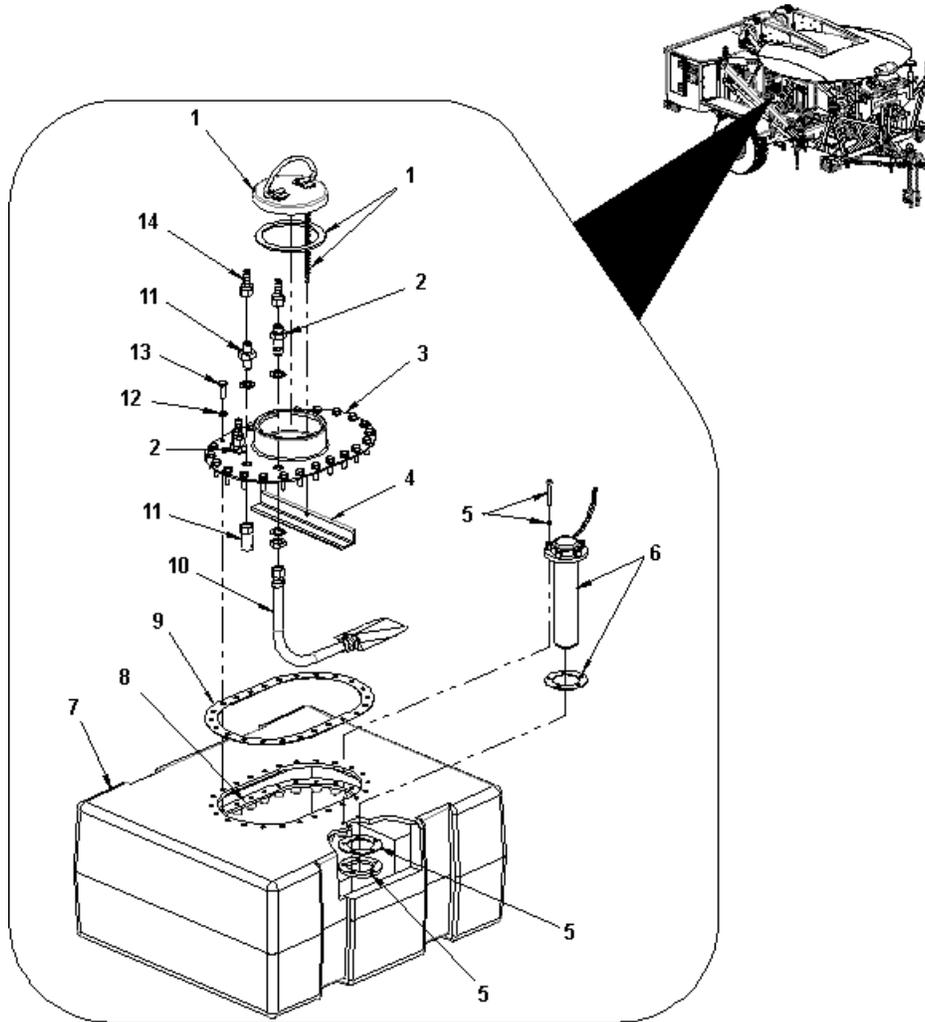


Figure 22. Bracket, Mounting - Group 010204 (Sheet 5 of 5).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010204, FIGURE 22; BRACKET, MOUNTING, 987-0008-546 (A258)	
1	XBFZZ		0EFD0	987-0008-592	BRACKET, MOUNTING	1
2	PAFZZ	5305-00-059-3662	80205	MS51958-66	SCREW, MACHINE	28
3	PAFZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	28
4	PAFZZ	5310-01-466-1914	39428	90101A225	NUT, SELF-LOCKING, HEXAGON	28
5	XBFZZ		0EFD0	987-0008-593	COLLAR, AIR CONDITIONING-HEATING	1
6	PCFZZ		0EFD0	987-0008-595	GASKET	1
7	XBFZZ		0EFD0	987-0008-594	COLLAR, AIR CONDITIONING-HEATING	1
8	PCFZZ		0EFD0	987-0008-596	GASKET	1
9	PAFZZ	5305-01-263-8181	96906	MS51957-30	SCREW, MACHINE	4
10	PAFZZ	5310-00-929-6395	80205	MS35338-136	WASHER, LOCK	4
11	PAFZZ	5310-01-352-9588	80205	NAS1149CN632R	WASHER, FLAT	8
12	PAFZZ	5310-00-176-6341	96906	MS17830-06C	NUT, HEX NYLOCK, 6- 32, 18-8	4
13	PAFZZ		0EFD0	987-0008-586	COVER, ACCESS	1
14	PAFZZ		0EFD0	987-0008-588	RUBBER SHEET, CELLULAR	1
15	PAFZZ		0EFD0	987-0008-585	PLATE, CORD GRIP MOUNT	1
16	PAFZZ		0EFD0	987-0008-587	RUBBER SHEET, CELLULAR	1
17	PAFZZ		0EFD0	205217-1202-12	SCREW, MACHINE	4
18	XBFZZ		1BPK0	209029-01	MOUNTING BASE, ELECTRICAL EQUIPMENT	2
19	PAFZZ	5305-00-938-7827	1BPK0	MS24671-31	SCREW, CAP, SOCKET HEAD	4
20	XBFZZ		0EFD0	987-0008-597	BRACKET, MOUNTING	1
21	PAFZZ	5310-01-511-4499	39428	98370A013	WASHER, FLAT	15
22	PAFZZ	5310-00-933-8121	80205	MS35338-139	WASHER, LOCK	15
23	PAFZZ	5305-00-988-7614	80205	MS16995-50	SCREW, CAP, SOCKET HEAD	19

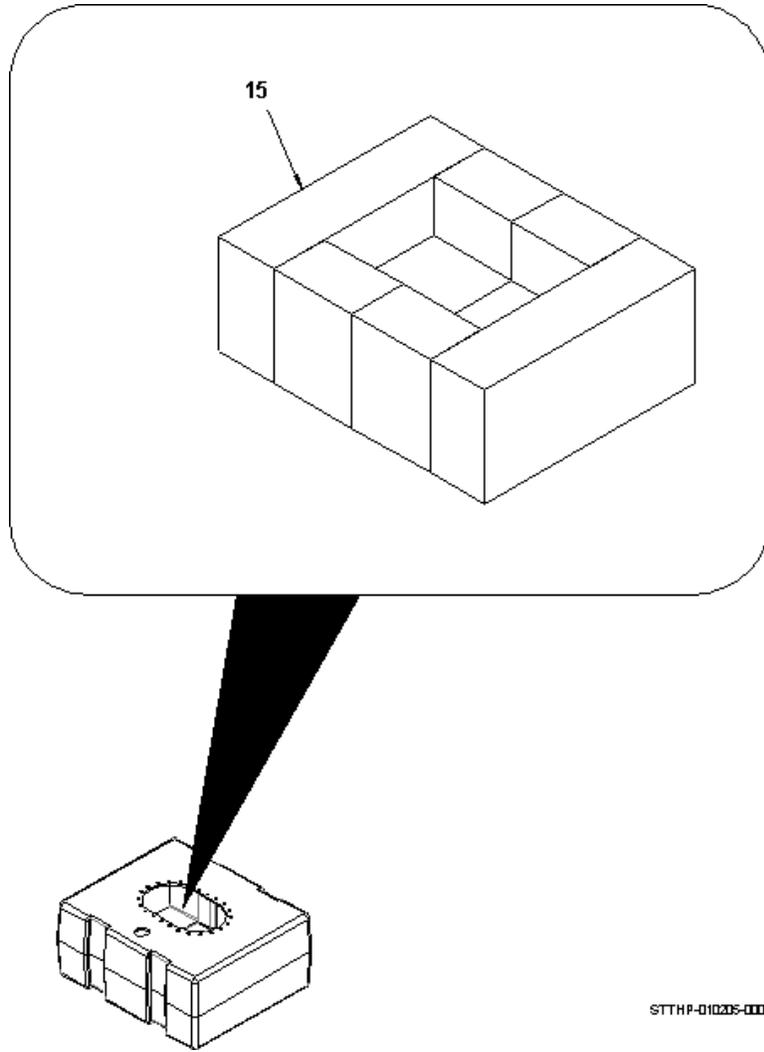
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
24	PAFZZ	5340-01-586-7163	39428	3225T28	CLAMP, LOOP	1
25	PAFZZ	4730-01-592-5782	3A054	45955K74	CLAMP, HOSE	6
26	XBFZZ		0KVE6	5499K257	HOSE, AIR DUCT	3
27	PAFZZ		99017	BPF-SI-465	BUTTON, PLUG	2
END OF FIGURE						

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010205, FUEL CELL ASSEMBLY**



STTHP-010205-0001

Figure 23. Fuel Cell Assembly - Group 010205 (Sheet 1 of 2).



S1THP-010205-0002

Figure 23. Fuel Cell Assembly - Group 010205 (Sheet 2 of 2).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010205, FIGURE 23; FUEL CELL ASSY, 987-0009-238 (A274M)	
1	PACZZ	5340-00-900-4764	15819	FC400	CAP,PROTECTIVE,DUST AND MOISTURE SEAL	1
2	PACZZ		1BPK0	219553-01	COUPLING,PIPE	2
3	XBCZZ		0EFD0	987-0009-235	FILL PLATE	1
4	PACZZ		1BPK0	209114-01	BRACKET,ANGLE	1
5	PACZZ		0EFD0	987-0008-221	PARTS KIT,FUEL SYSTEM	1
6	XBCZZ	4930-01-590-1655	32MY9	21113062	DISPENSING PUMP,AIR PRESSURE	1
7	PACZZ		0EFD0	987-0008-218	TANK,LIQUID STORAGE	1
8	PACZZ		1BPK0	219618-01	NUT ASSEMBLY, RETAINING RING	1
9	PACZZ		1BPK0	219554-01	GASKET	1
10	PACZZ	4330-01-590-2640	3YJU7	FP180	PARTS KIT,FLUID PRESSURE FILTER	1
11	PACZZ		1BPK0	219556-01	VALVE,VENT-CHECK	1
12	PACZZ	5310-00-562-2826	39428	90295A140	WASHER,FLAT	24
13	PACZZ	5306-00-068-0514	96906	MS90727-7	BOLT,MACHINE	24
14	PACZZ		1BPK0	219557-01	ADAPTER,STRAIGHT,PIPE TO HOSE	3
15	PACZZ		0EFD0	987-0008-219	FUEL FUEL, NON-AIRCRAFT	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0103, SATELLITE COMMUNICATION SUBSYSTEM**

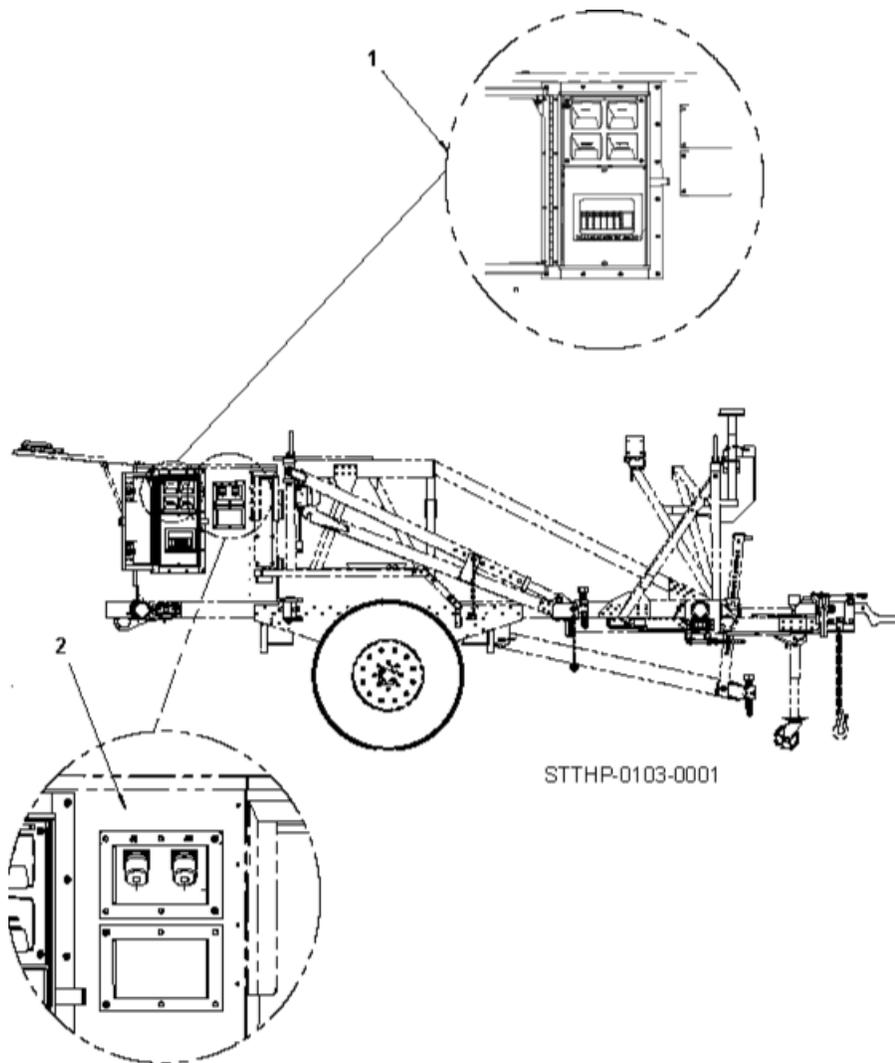


Figure 24. Satellite Communication Subsystem - Group 0103 (Sheet 1 of 3).

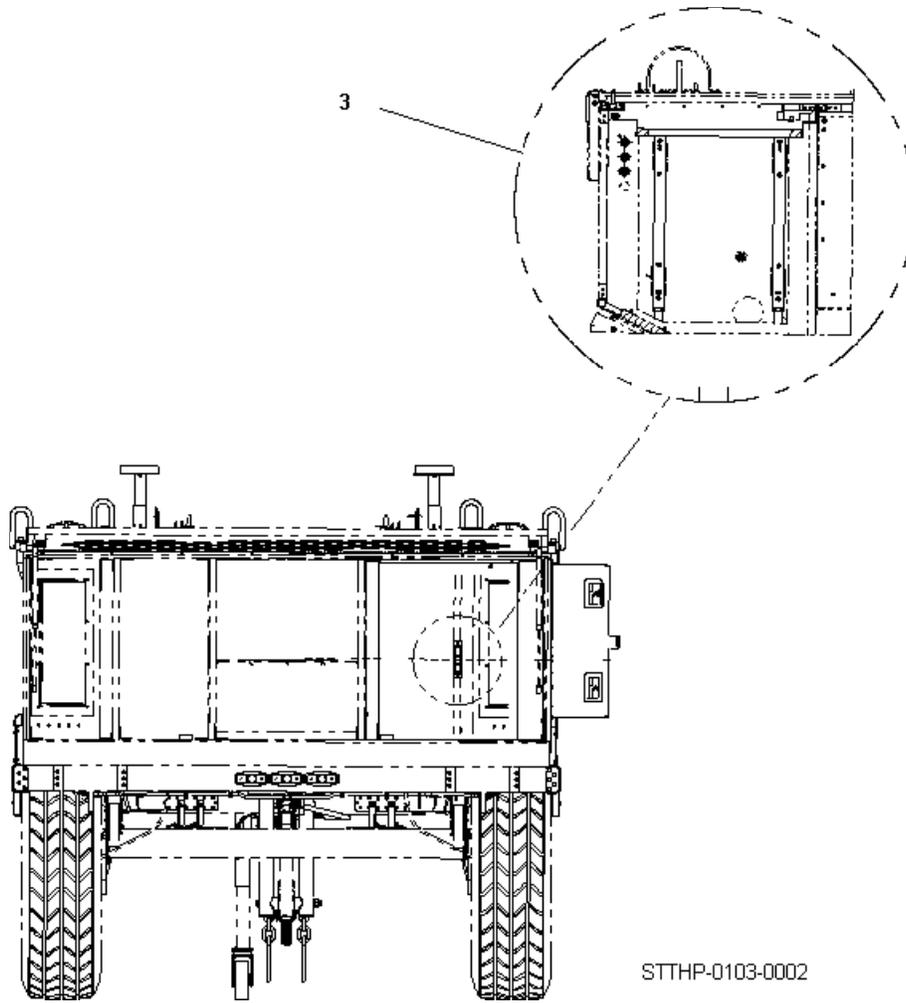


Figure 24. Satellite Communication Subsystem - Group 0103 (Sheet 2 of 3).

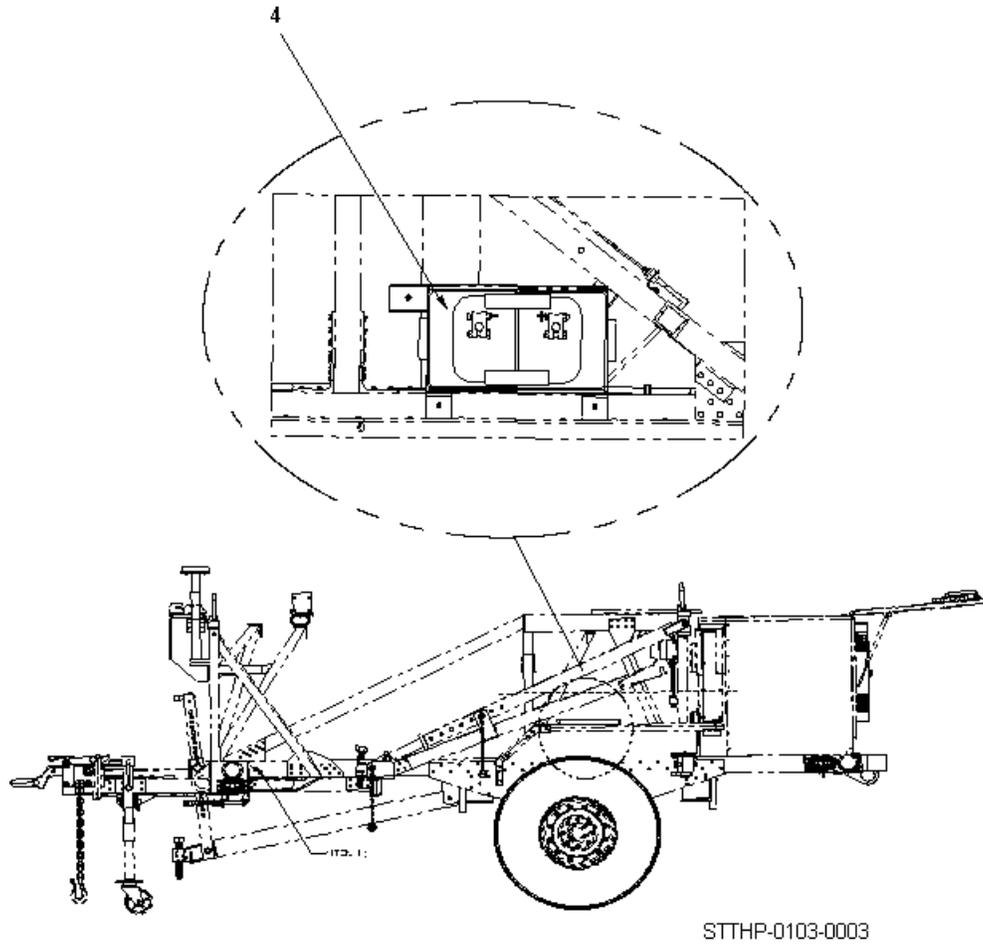


Figure 24. Satellite Communication Subsystem - Group 0103 (Sheet 3 of 3).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0103, FIGURE 24; SATELLITE COMMUNICATION SUBSYSTEM, 987-0008-562 (A275)	
1	XBCCC		0EFD0	987-0008-280	CIRCUIT BREAKER BOX	1
2	XBCCC		0EFD0	987-0008-542	CABLE, FIBER OPTIC	1
3	XBCCC		0EFD0	987-0008-590	EE BOX SYSTEM	1
4	XBCCC		0EFD0	987-0008-541	GENSET BATTERY ASSEMBLY	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010301, GENSET BATTERY ASSEMBLY**

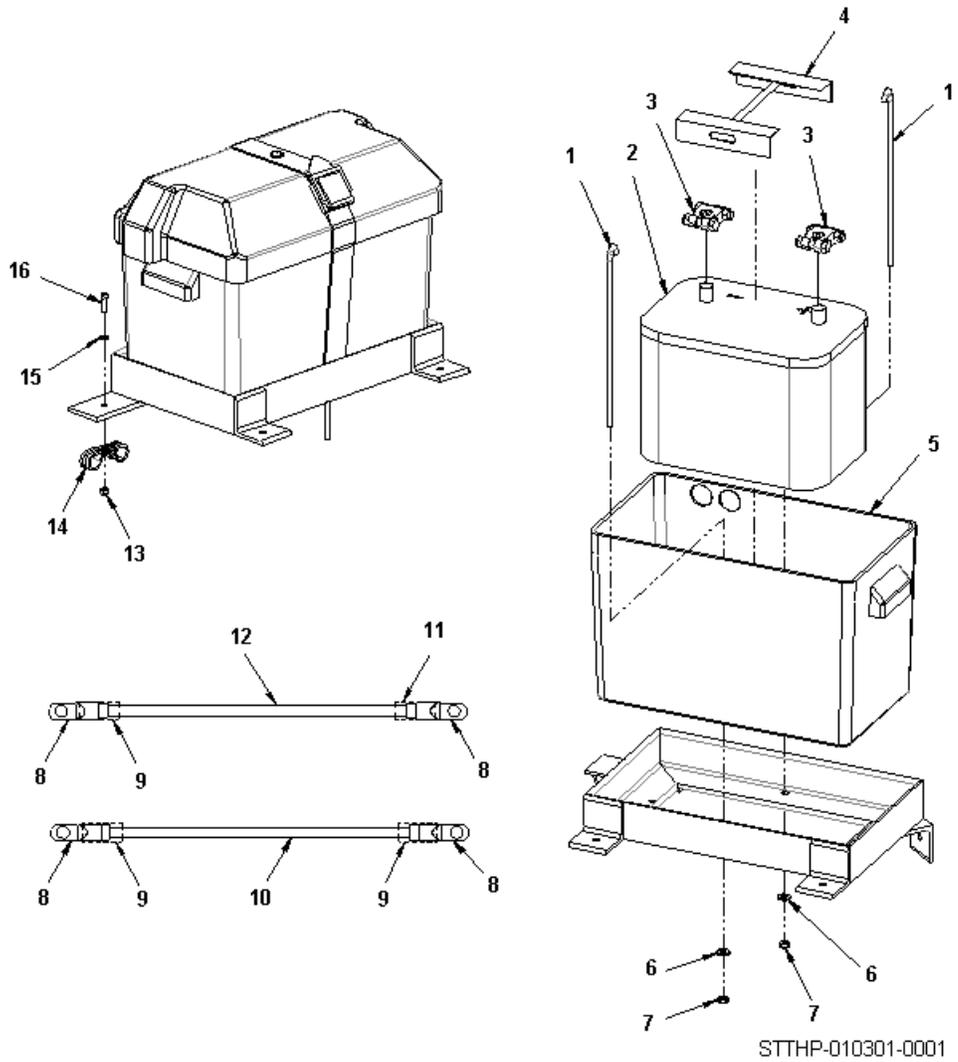


Figure 25. Genset Battery Assembly - Group 010301.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010301, FIGURE 25; GENSET BATTERY ASSEMBLY, 987-0008-541 (A280)	
1	PACZZ	5306-01-599-0402	39428	98760A111	BOLT, HOOK	2
2	PCCZZ	6140-01-589-1583	3VTT3	SC34U	CELL, BATTERY	1
3	PACZZ	5940-01-263-7115	1212	728207	TERMINAL, LUG	2
4	PACZZ		1BPK0	209194-01	RETAINER, BATTERY	1
5	XBCZZ		0EFD0	987-0009-233	BATTERY BOX	1
6	PACZZ	5310-01-511-4499	39428	98370A013	WASHER, FLAT	2
7	XBCZZ	5310-00-241-6604	96906	MS17830-4C	NUT, SELF-LOCKING, HEXAGON	2
8	PACZZ		0EFD0	206246-01	TERMINAL, LUG	4
9	PACZZ		0EFD0	210015-01	INSULATION SLEEVING, ELECTRICAL	1
10	PACZZ		0EFD0	206716-01	LEAD, ELECTRICAL	4
11	PACZZ		0EFD0	298246-01	INSULATION SLEEVING, ELECTRICAL	1
12	PACZZ		0EFD0	210022-01	LEAD, ELECTRICAL	4
13	PACZZ	5310-01-489-5515	80205	MS17830-010F	NUT, SELF-LOCKING, HEXAGON	1
14	PACZZ		4JEL0	205217-4001-01	CLAMP, LOOP	2
15	PACZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	1
16	PACZZ		0EFD0	205217-1203-04	SCREW, CAP, SOCKET HEAD	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010302, TFOCA ASSEMBLY**

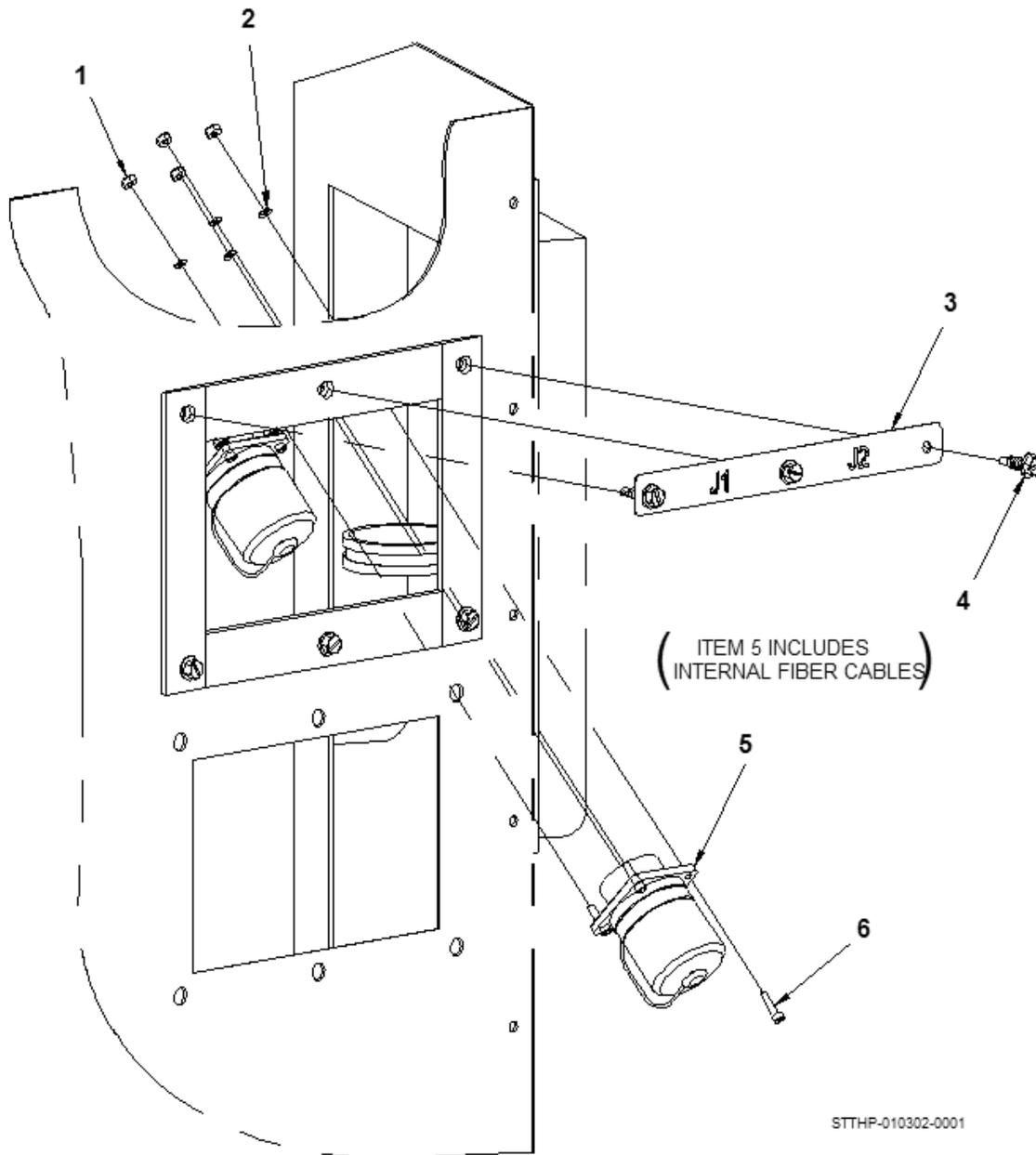
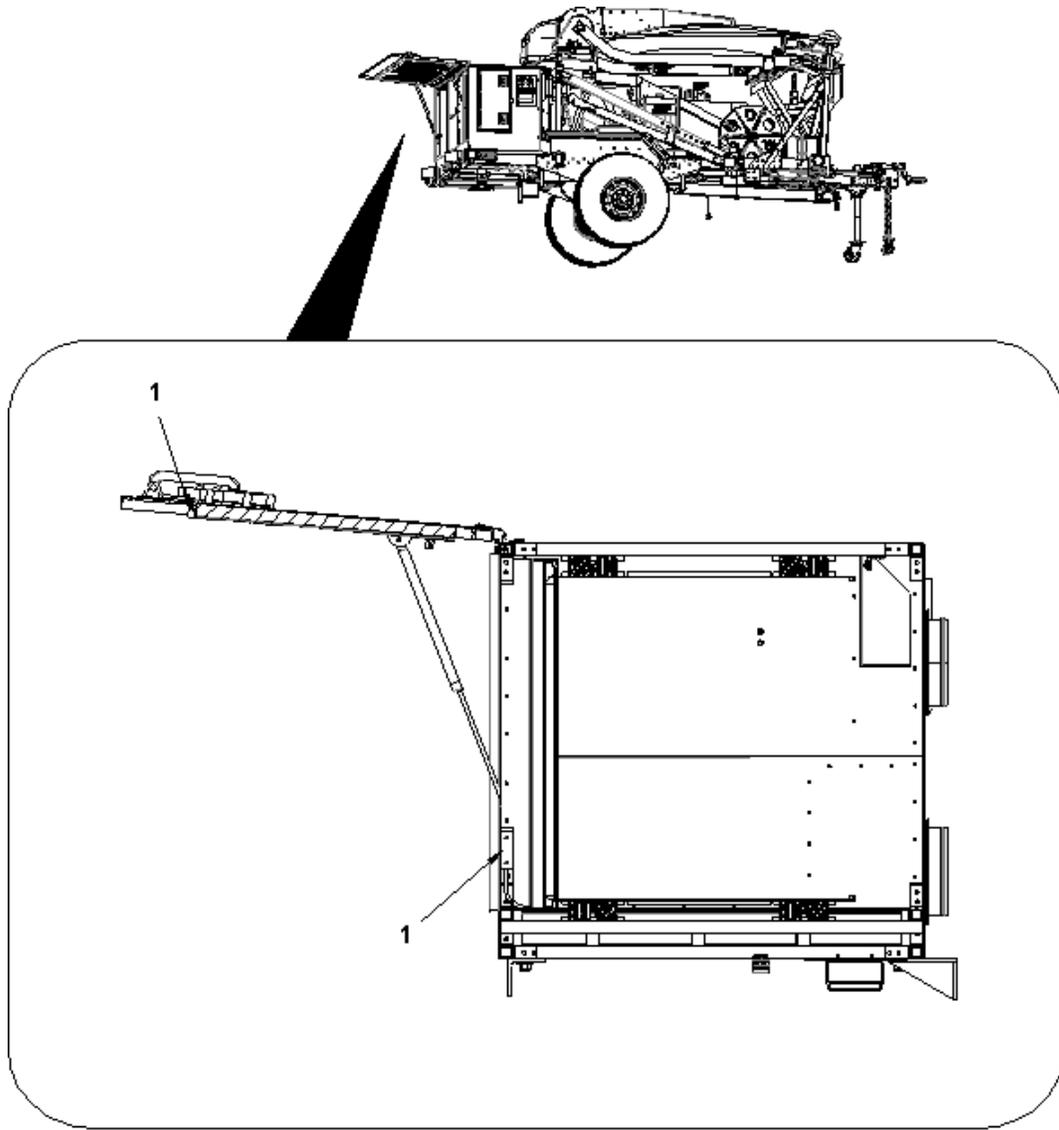


Figure 26. Cable, Fiber Optic - Group 010302.

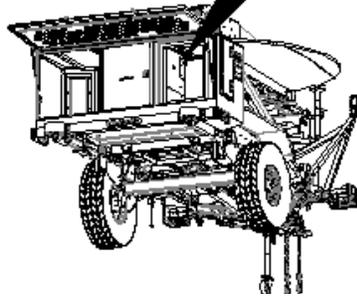
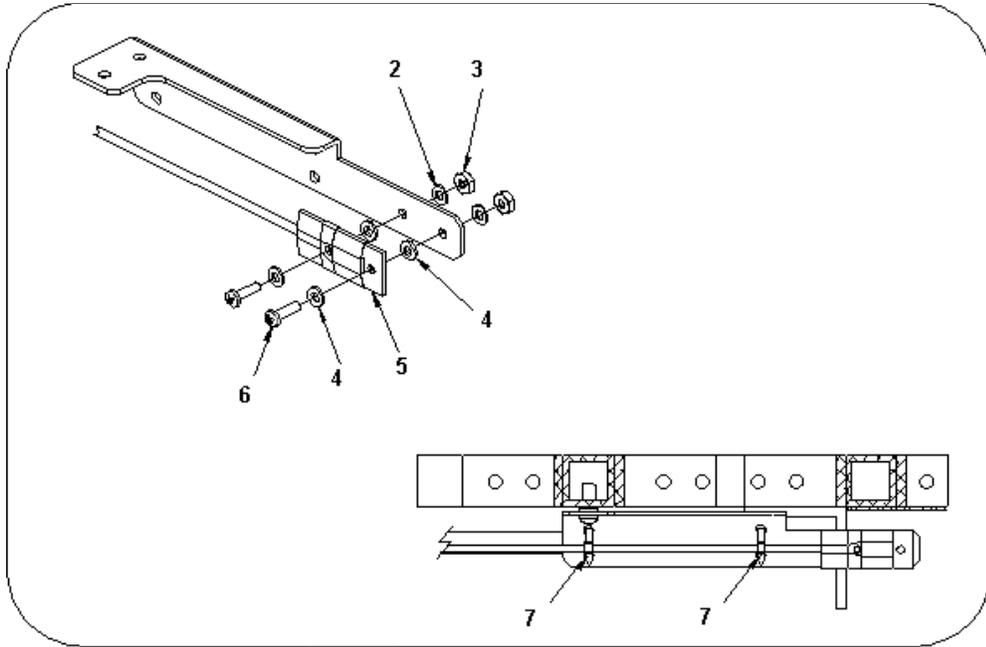
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010302, FIGURE 26; CABLE,FIBER OPTIC , 987-0008-542 (A291)	
1	PACZZ		1BPK0	207340-01	NUT, SELF-LOCKING, HEXAGON	8
2	PACZZ	5310-00-782-1349	80205	MS15795-804	WASHER, FLAT	8
3	XBCZZ		1BPK0	202992-01	PLATE, IDENTIFICATION	1
4	PACZZ		39428	90096A829	SCREW, MACHINE	3
5	PACZZ	5935-01-595-4831	1HVU5	950-0502-3.05	CONNECTOR, RECEPTACLE, ELECTRICAL	2
6	PACZZ	5305-00-068-5414	80205	MS16995-11	SCREW, CAP, SOCKET HEAD	8
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER8
GROUP 010303, ENCLOSURE HARDWARE KIT**



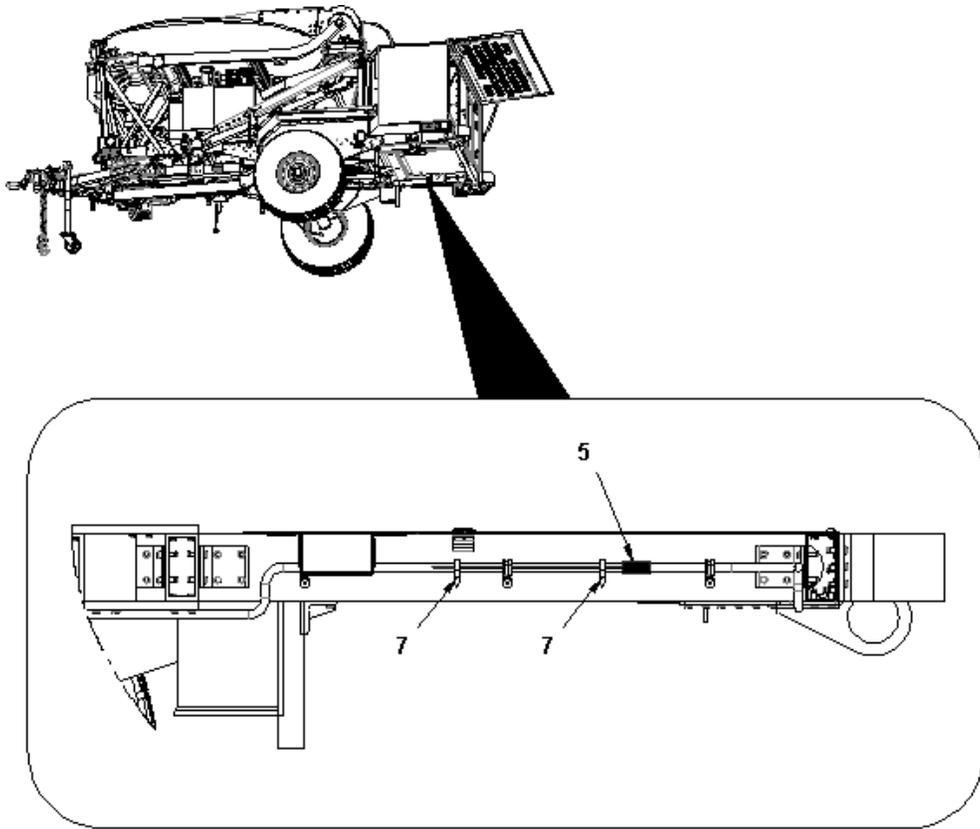
STTHP-010303-0001

Figure 27. EE Box System - Group 010303 (Sheet 1 of 3).



STTHP-010303-0002

Figure 27. EE Box System - Group 010303 (Sheet 2 of 3).

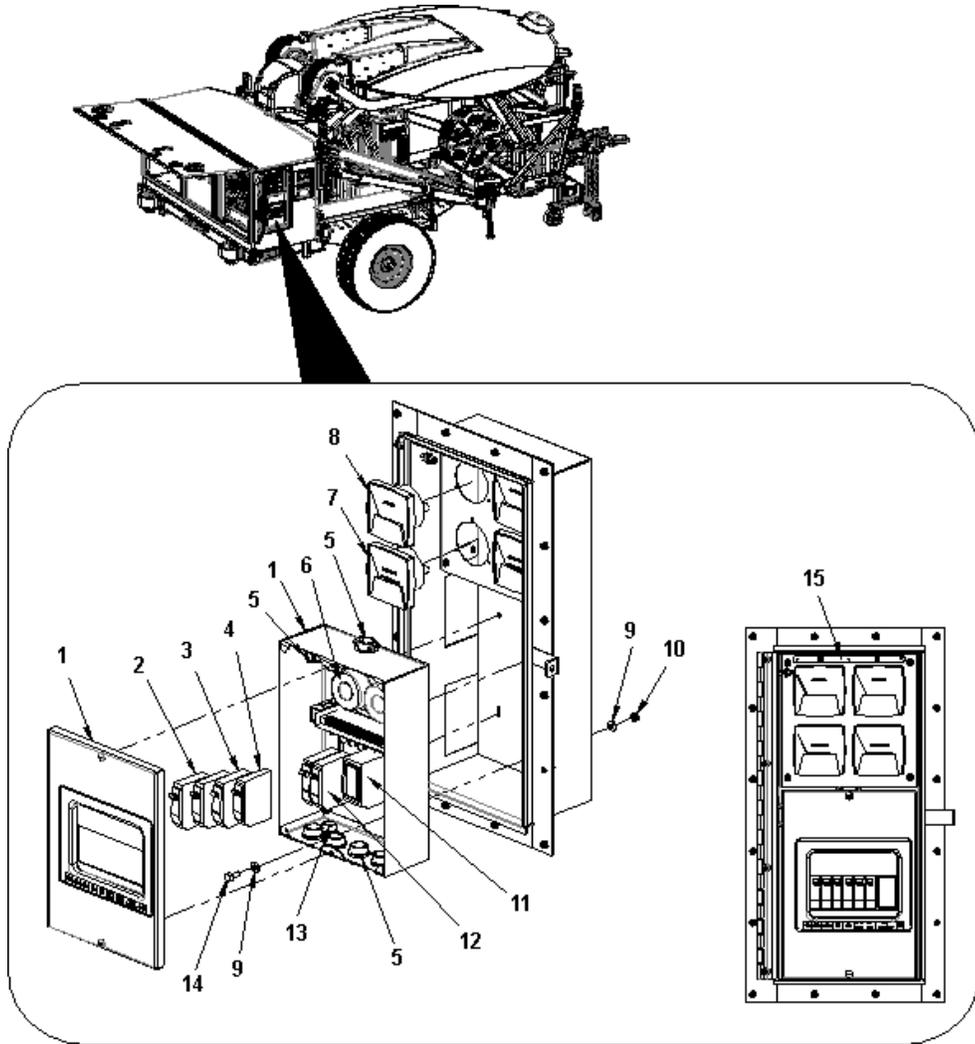


STTHP-010303-0003

Figure 27. EE Box System - Group 010303 (Sheet 3 of 3).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010303, FIGURE 27; EE BOX SYSTEM, 987-0008-590 (A297)	
1	PACZZ		0EFD0	987-0009-242	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
2	PACZZ	5310-01-352-9588	80205	NAS1149CN632R	WASHER, FLAT	2
3	PACZZ	5310-00-934-9761	80205	MS35649-264	NUT, PLAIN, HEXAGON	2
4	PACZZ	5310-00-140-4894	96906	MS51859-3	WASHER, FLAT	4
5	PACZZ		0EFD0	987-0009-232	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	2
6	PACZZ	5305-01-263-8181	96906	MS51957-30	SCREW, MACHINE	2
7	PACZZ	5975-01-518-8341	06383	PLT2I-M0	STRAP, TIEDOWN, ELECTRICAL COMPONENTS	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010304, BREAKER BOX ASSEMBLY**

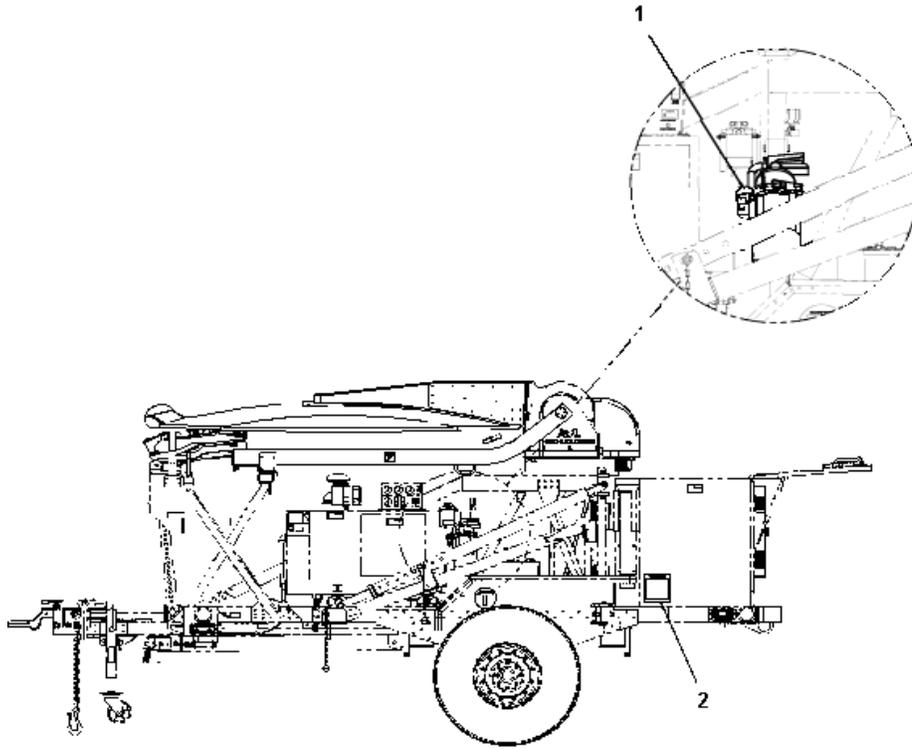


STTHP-010304-0001

Figure 28. Circuit Breaker Box - Group 010304.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010304, FIGURE 28; CIRCUIT BREAKER BOX, 987-0008-280 (A310)	
1	PACZZ		14280	QO816L100DS	CIRCUIT BREAKER BOX SUBASSEMBLY	1
2	PACZZ		1BPK0	206439-01	CIRCUIT BREAKER	2
3	PACZZ	5925-01-589-2465	0EAT8	QO125	CIRCUIT BREAKER	1
4	PACZZ	5925-01-213-8801	56303	QO130	CIRCUIT BREAKER	1
5	PACZZ	5975-01-593-6393	56501	NC-302	BOX CONNECTOR, ELECTRICAL	4
6	PACZZ		1BPK0	209060-01	TRANSFORMER, CURRENT	2
7	PACZZ		1BPK0	209112-01	AMMETER	2
8	PACZZ		1BPK0	200063-01	VOLTMETER	2
9	PACZZ	5310-01-511-4499	39428	98370A013	WASHER, FLAT	8
10	PACZZ	5310-00-241-6604	96906	MS17830-4C	NUT, SELF-LOCKING, HEXAGON	4
11	PACZZ	5920-01-589-2408	56365	QO2175SB	ARRESTER, ELECTRICAL SURGE	1
12	PACZZ		56303	QO240	CIRCUIT BREAKER	1
13	PACZZ	5975-00-152-1144	56501	NC-301	BOX CONNECTOR, ELECTRICAL	2
14	PACZZ		0EFD0	205217-1204-09	SCREW, CAP, HEXAGON HEAD	4
15	PACZZ		1BPK0	202994-01	PLATE, IDENTIFICATION	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0104, SATELLITE COMMUNICATION SUBSYSTEM**



STTHP-0104-0001

Figure 29. Satellite Communication Subsystem- Group 0104 (Sheet 1 of 7).

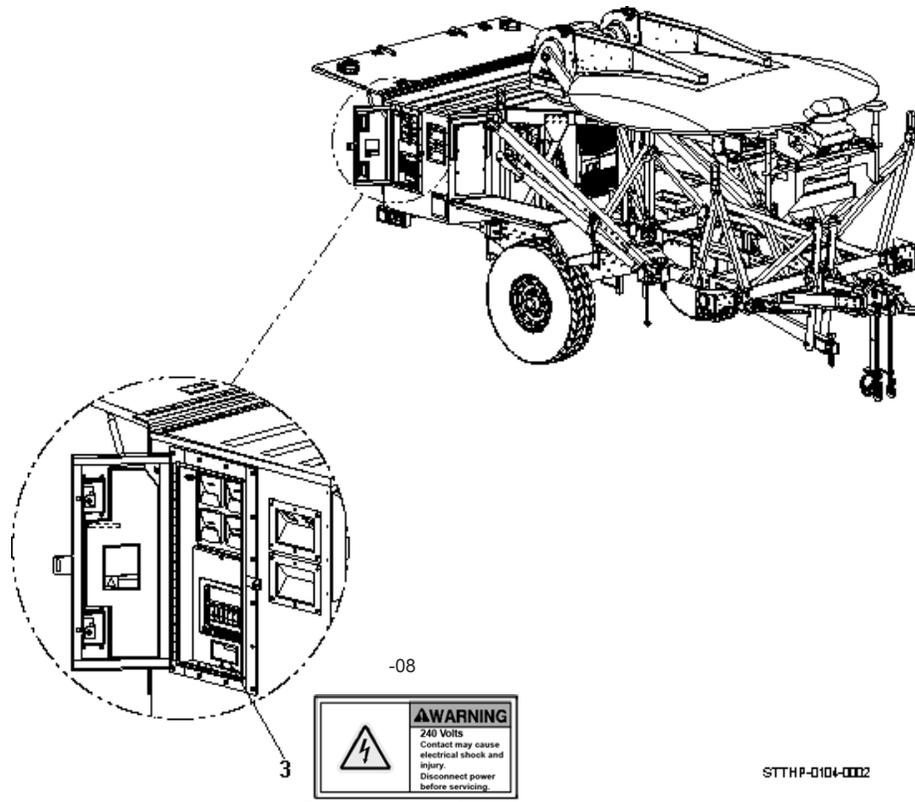


Figure 29. Satellite Communication Subsystem - Group 0104 (Sheet 2 of 7).

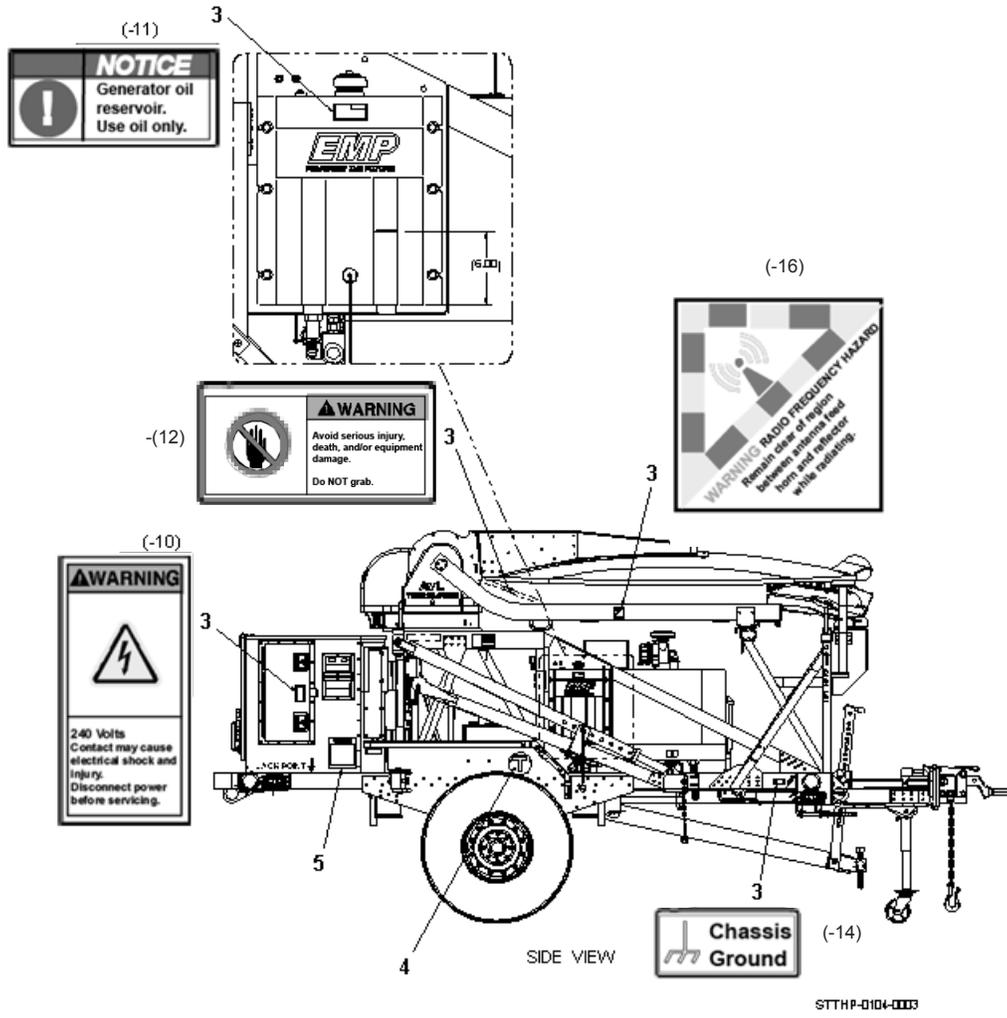


Figure 29. Satellite Communication Subsystem - Group 0104 (Sheet 3 of 7).

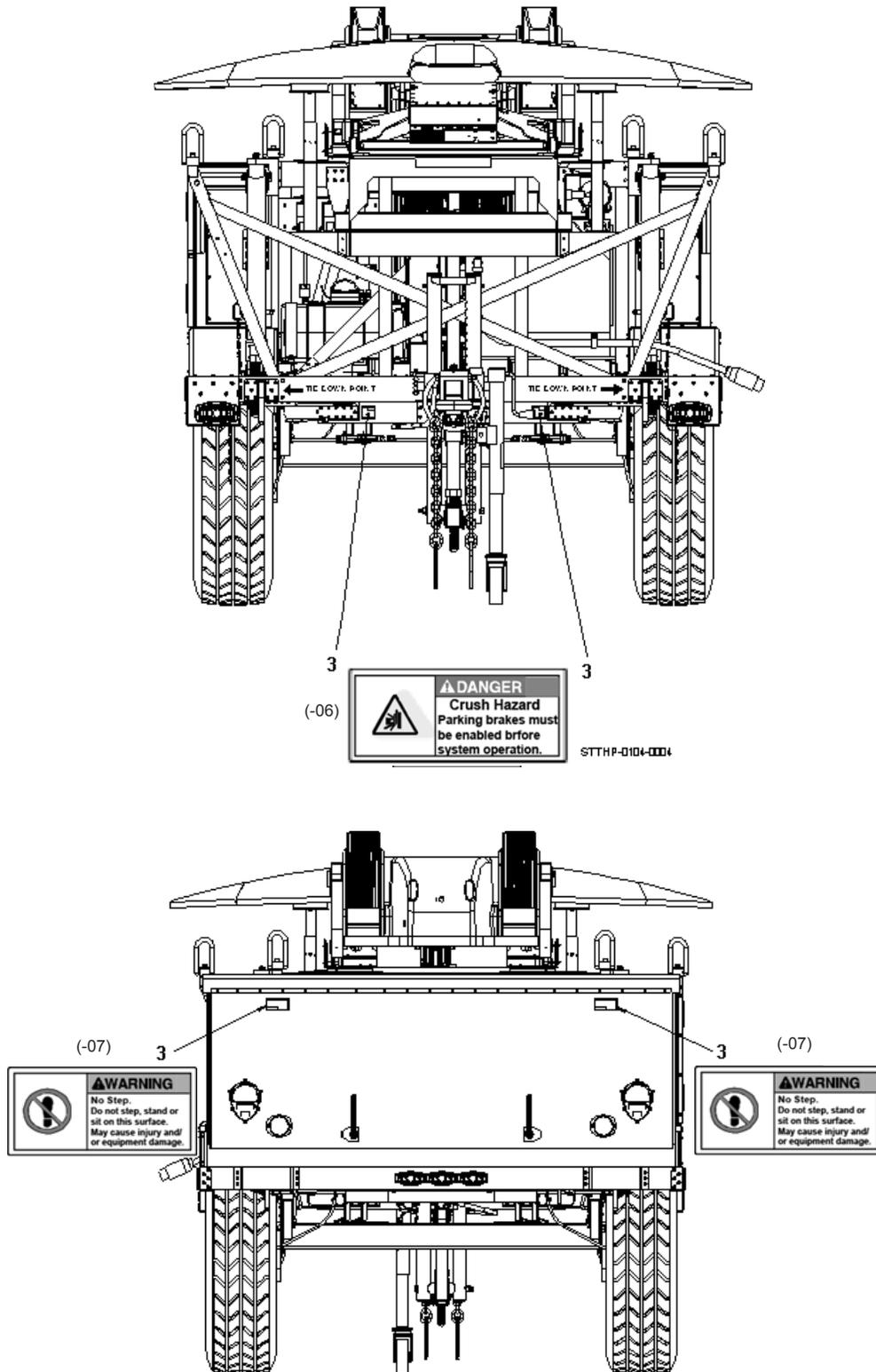


Figure 29. Satellite Communication Subsystem - Group 0104 (Sheet 4 of 7).

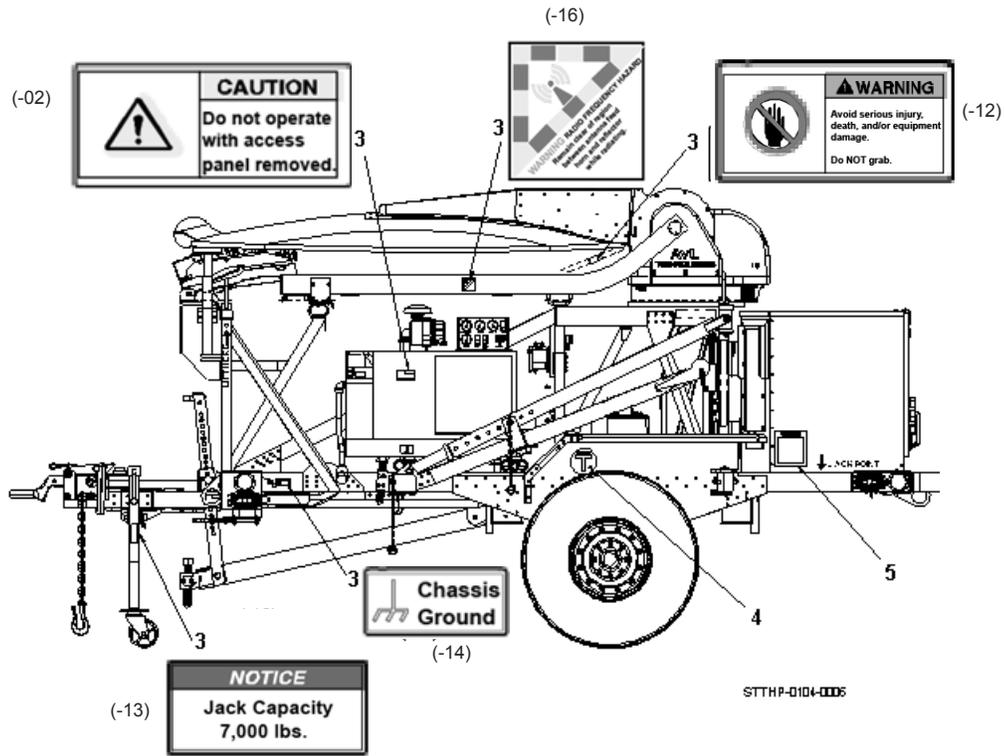


Figure 29. Satellite Communication Subsystem - Group 0104 (Sheet 5 of 7).

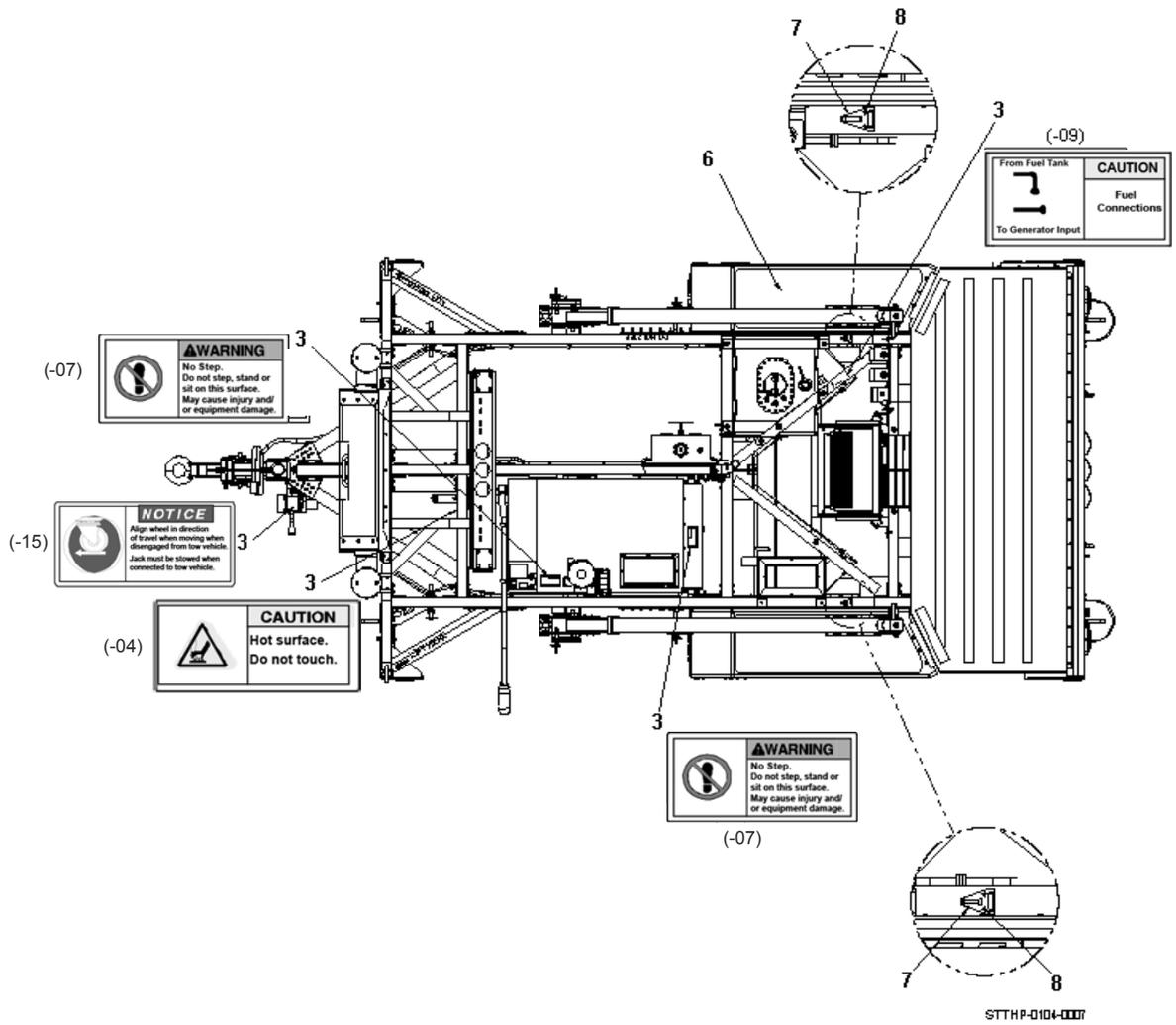
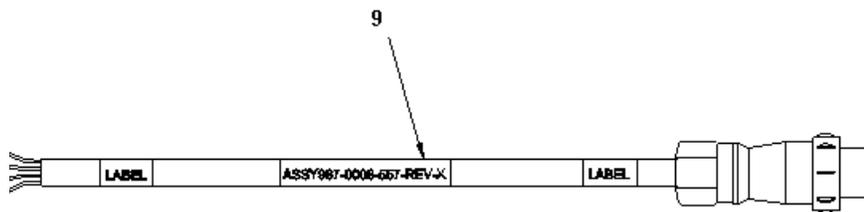


Figure 29. Satellite Communication Subsystem - Group 0104 (Sheet 6 of 7).

LABEL LIST			LABEL LIST		
ITEM	LABEL NUMBER	LABEL TYPE	ITEM	LABEL NUMBER	LABEL TYPE
3	-02 X1	 CAUTION Do not operate with access panel removed.	3	-10 X1	 240 Volts Contact may cause electrical shock and injury. Disconnect power before servicing. WARNING
3	-04 X1	 CAUTION Hot surface. Do not touch.	3	-11 X1	 NOTICE Generator oil reservoir. Use oil only.
3	-06 X2	 ▲ DANGER Crush Hazard Parking brakes must be enabled before system operation.	3	-12 X2	 ▲ WARNING Avoid serious injury, death, and/or equipment damage. Do NOT grab.
3	-07 X4	 ▲ WARNING No Step. Do not step, stand or sit on this surface. May cause injury and/or equipment damage.	3	-13 X1	NOTICE Jack Capacity 7,000 lbs.
3	-08 X1	 ▲ WARNING 240 Volts Contact may cause electrical shock and injury. Disconnect power before servicing.	3	-14 X2	 Chassis Ground
3	-08 X1	 From Fuel Tank To Generator Input CAUTION Fuel Connections	3	-15 X1	 NOTICE Align wheel in direction of travel when moving when disengaged from tow vehicle. Jack must be stowed when connected to tow vehicle.
			3	-16 X2	 WARNING RADIO FREQUENCY HAZARD Remain clear of region between antenna feed horn and reflector while radiating.

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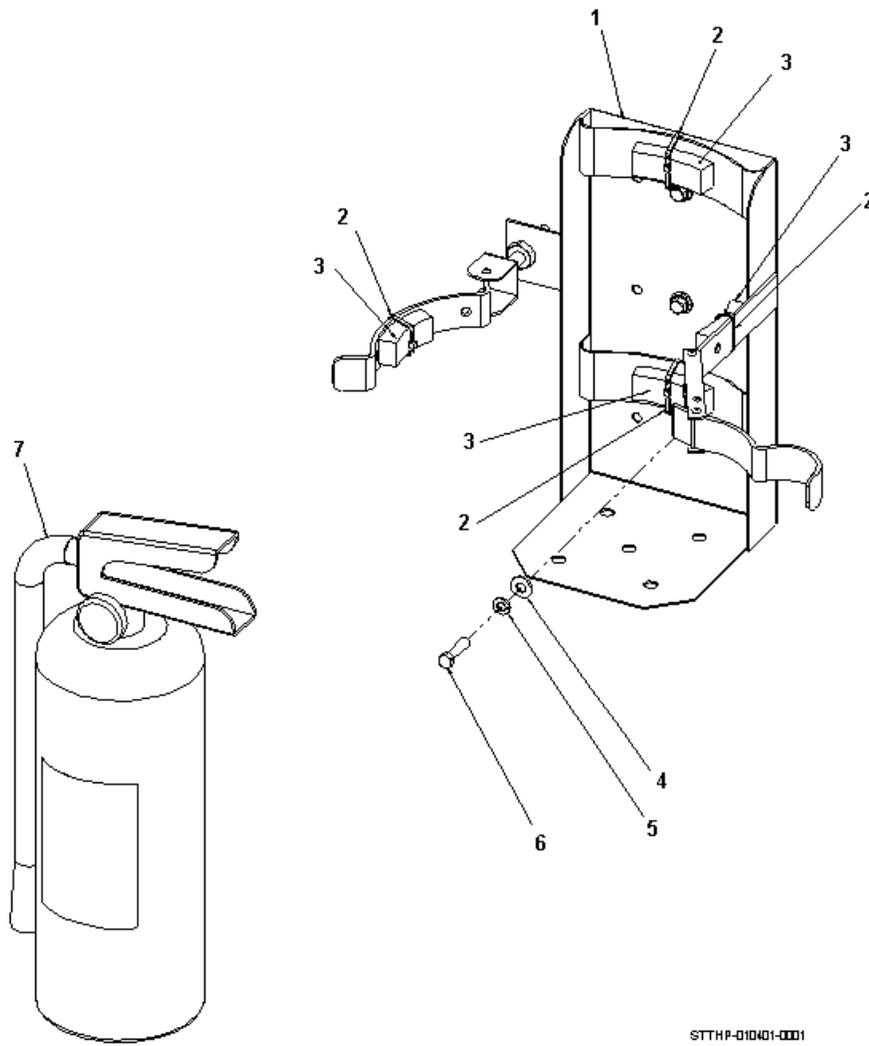


STTHP-0104-0009

Figure 29. Satellite Communication Subsystem - Group 0104 (Sheet 7 of 7).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0104, FIGURE 29; SATELLITE COMMUNICATION SUBSYSTEMS 987-000-563 (A327)	
1	XBCCC		1BPK0	219356-01	EXTINGUISHER, FIRE	1
2	XBCCC		0EFD0	987-0008-545	LEBOARD KIT, IDENTIFICATION, VEHICLE MOUNTING	1
3	XBCZZ		1BPK0	297369-01	MARKER, IDENTIFICATION	1
4	XBCZZ		1BPK0	202628-01	MARKER, IDENTIFICATION	2
5	XBCZZ		1BPK0	202629-01	MARKER, IDENTIFICATION	2
6	PACZZ		1BPK0	209162-01	TREAD, NONMETALLIC, NONSKID	1
7	PACZZ	5210-01-336-5744	63474	125	LEVEL, CROSS TEST	2
8	PAFZZ	5305-01-558-6716	39428	90822A450	SCREW, SELF-DRILLING	4
9	PACZZ		0EFD0	987-0008-557	CABLE ASSEMBLY, POWER, ELECTRICAL	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 010401, BRACKET ASSEMBLY, FIRE EXTINGUISHER**



STTHP-010401-0001

Figure 30. Extinguisher, Fire - Group 010401.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 010401, FIGURE 30; EXTINGUISHER, FIRE, 219356-01 (A328)	
1	XBCZZ		0EFD0	987-0009-210	BRACKET, FIRE EXTINGUISHER	1
2	PACZZ	5975-01-518-8341	06383	PLT2I-M0	STRAP, TIEDOWN, ELECTRICAL COMPONENTS	4
3	PACZZ		1BPK0	205757-01	PAD, CUSHIONING	4
4	PACZZ	5310-01-480-1328	96906	MS51412-4A	WASHER, FLAT	8
5	PACZZ	5310-00-933-8121	80205	MS35338-139	WASHER, LOCK	3
6	PACZZ	5305-00-225-3843	96906	205217-1204-04	SCREW, CAP, HEXAGON HEAD	4
7	PCCZZ		1BPK0	205877-01	EXTINGUISHER, FIRE	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 02, ANTENNA SUBSYSTEM**

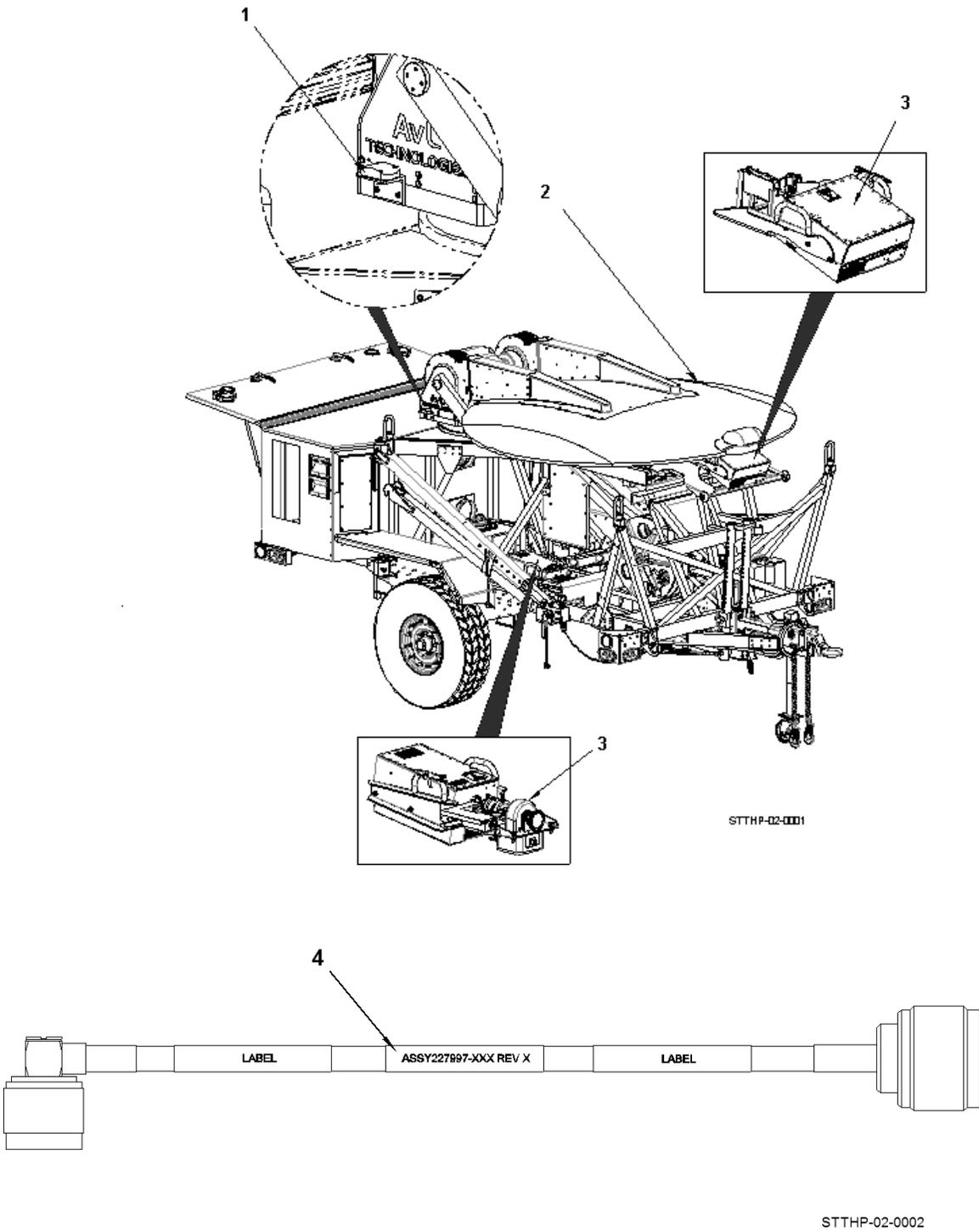
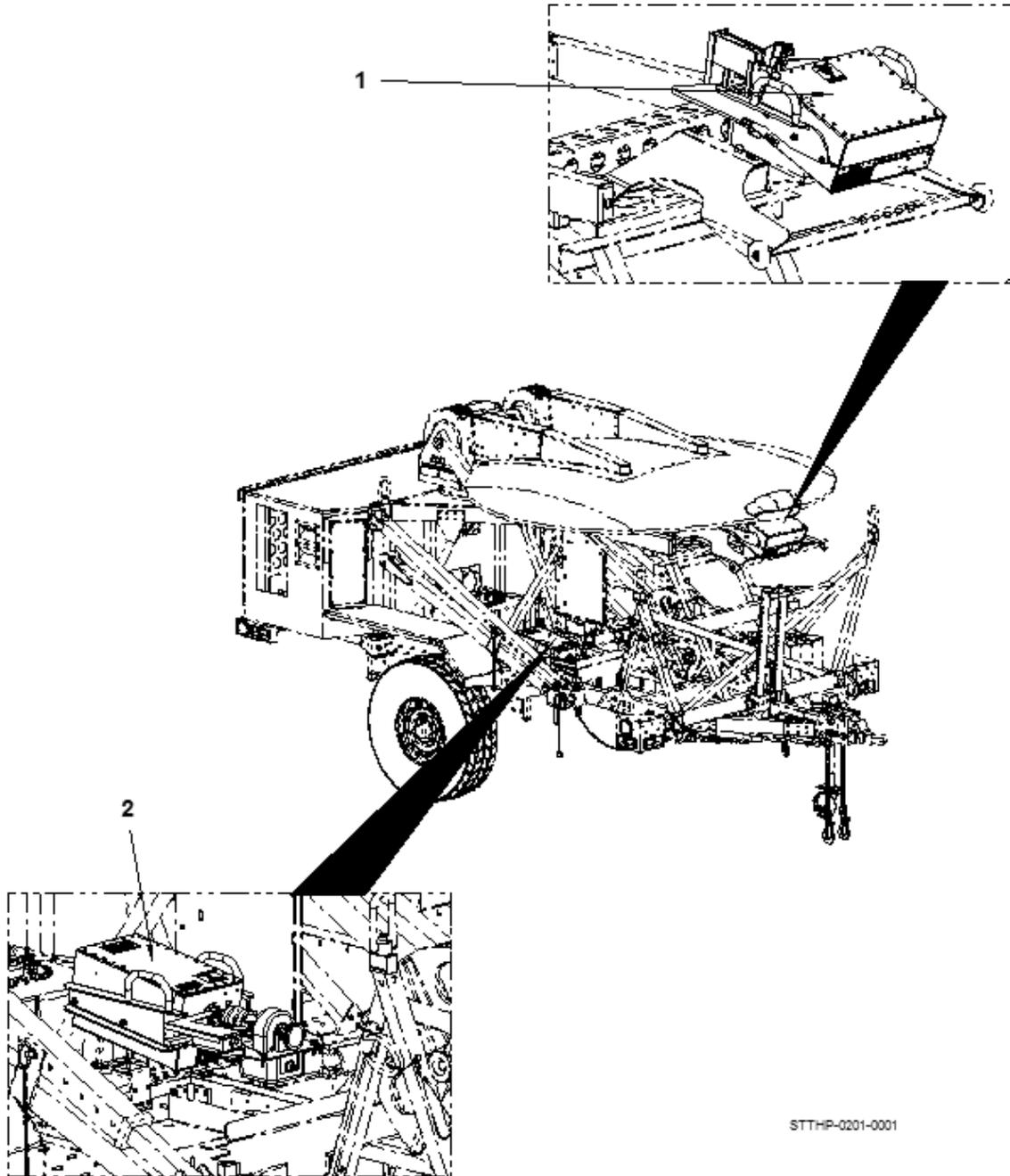


Figure 31. Antenna Subsystem - Group 02.

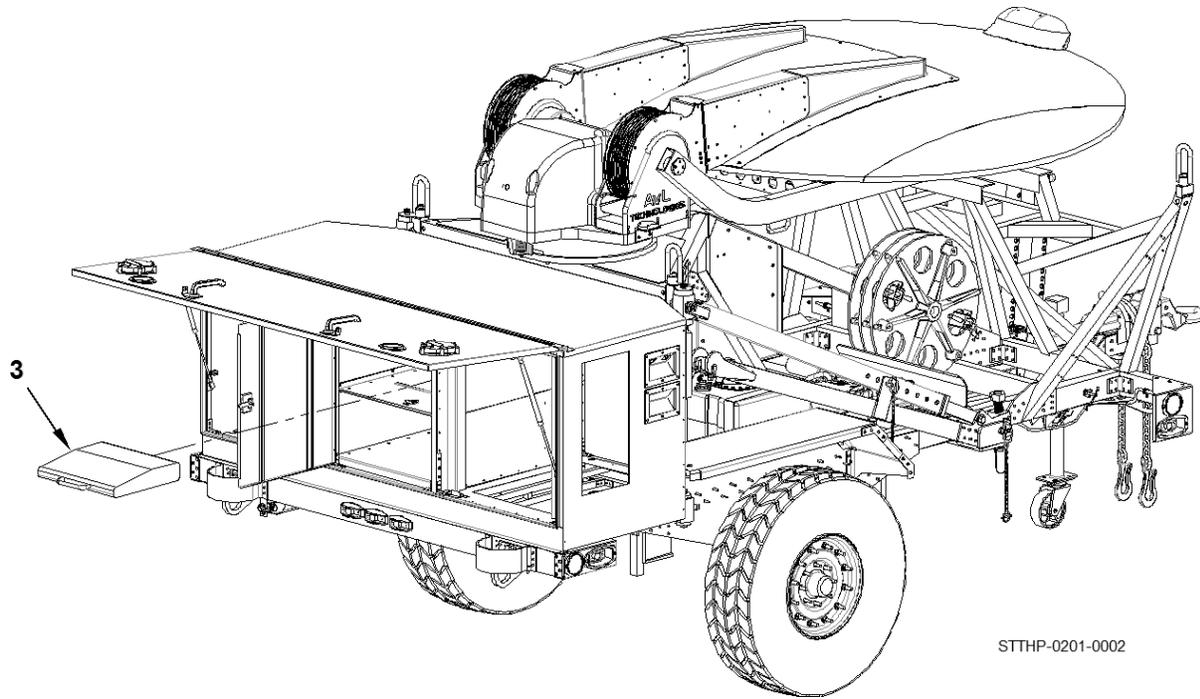
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 02, FIGURE 31; ANTENNA CONTROL SUBASSEMBLY, 987-0008-251, (A358)	
1	XBCCC		0EFD0	987-0008-252	ANTENNA CONTROL SUBSYSTEM	1
2	XCCCC		0EFD0	987-0008-253	MAIN ANTENNA SUBSYSTEM	1
3	XCCCC		0EFD0	987-0008-254	ANTENNA CONTROL SUBASSEMBLY	1
4	PACZZ		0EFD0	227997-216	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0201, RF SUBSYSTEM**



STTHP-0201-0001

Figure 32. Antenna Control Subassembly - Group 0201 (Sheet 1 of 2).

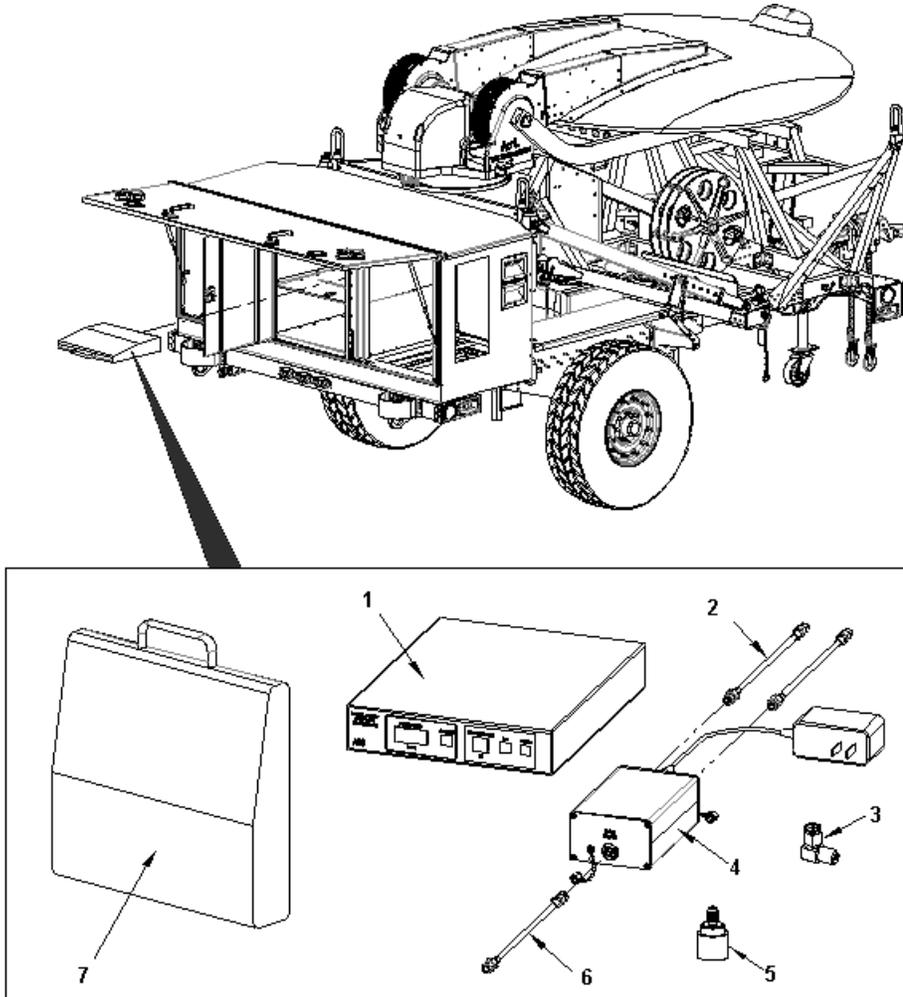


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Figure 32. Antenna Control Subassembly - Group 0201 (Sheet 2 of 2).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0201, FIGURE 32; ANTENNA CONTROL SUBASSEMBLY, 987-0008-254 (A359)	
1	PBCDD	5985-01-616-8247	0EFD0	987-0008-567	FEED ASSEMBLY, KA BAND	1
2	PBCDD	5985-01-617-0282	0EFD0	987-0008-566	FEED ASSEMBLY, KU BAND	1
3	XBCDD		0EFD0	987-0008-617	KIT, LOOP TEST TRANSLATOR	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 020101, LOOP TEST TRANSLATOR KIT**



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Figure 33. Kit, Loop Test Translator - Group 020101.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 020101, FIGURE 33; KIT, LOOP TEST TRANSLATOR, 987-0008-617 (A360)	
1	PACDD	6625-01-617-0330	0EFD0	ASC710KU-RC	TEST SET, SIGNAL DATA TRANSLATOR	1
2	PACZZ		0EFD0	F520-K1K1-180	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	2
3	PACZZ	5935-01-518-5820	43321	BA20	ADAPTER, CONNECTER	1
4	XBCDD		0EFD0	987-0008-279	LOOP TEST TRSLATOR ASSEMBLY	1
5	PACZZ	5985-01-604-2809	3FKR5	SM4226	BOX CONNECTOR, ELECTRICAL	1
6	PACZZ		0EFD0	204001-18	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
7	PACZZ		4ET10	TCG200	CASE, TEST SET	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 020102, KU-BAND FEED ASSEMBLY.**

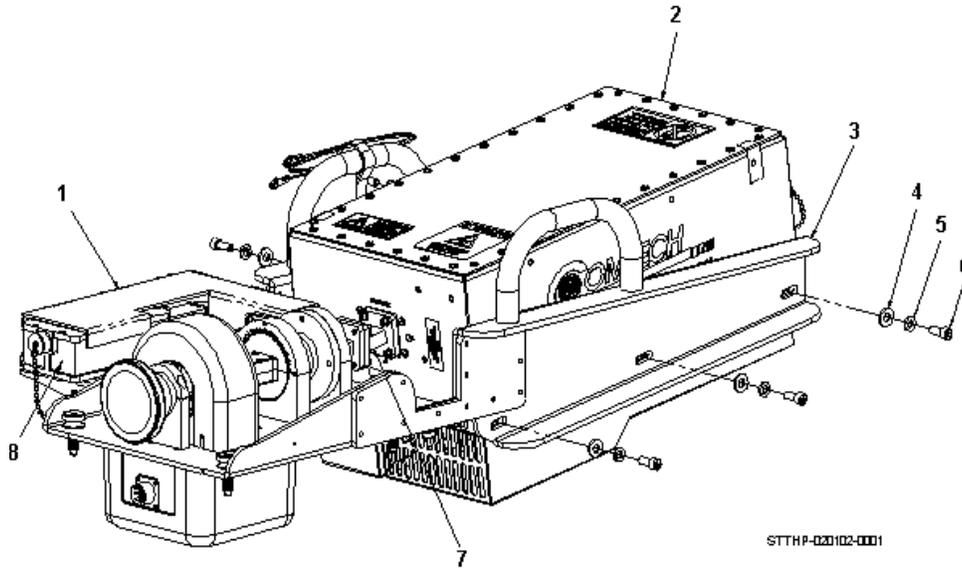


Figure 34. Feed Assembly, KU Band - Group 020102 (Sheet 1 of 6).

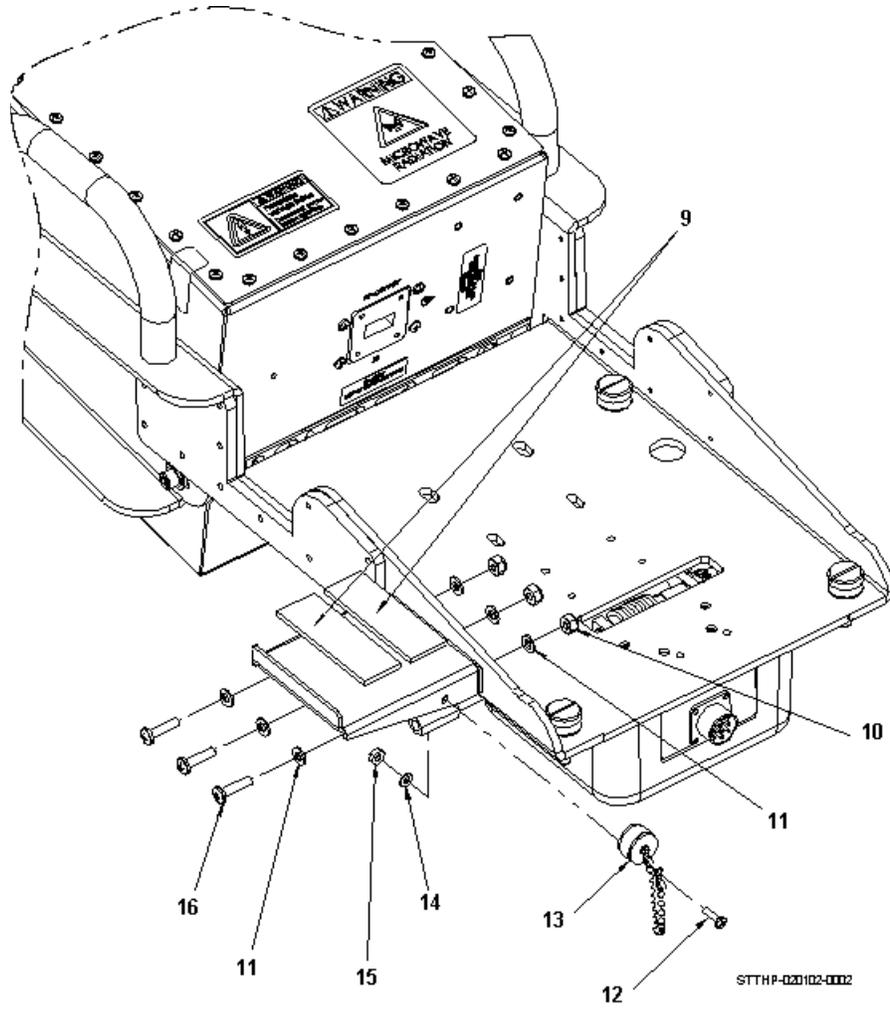


Figure 34. Feed Assembly, KU Band - Group 020102 (Sheet 2 of 6).

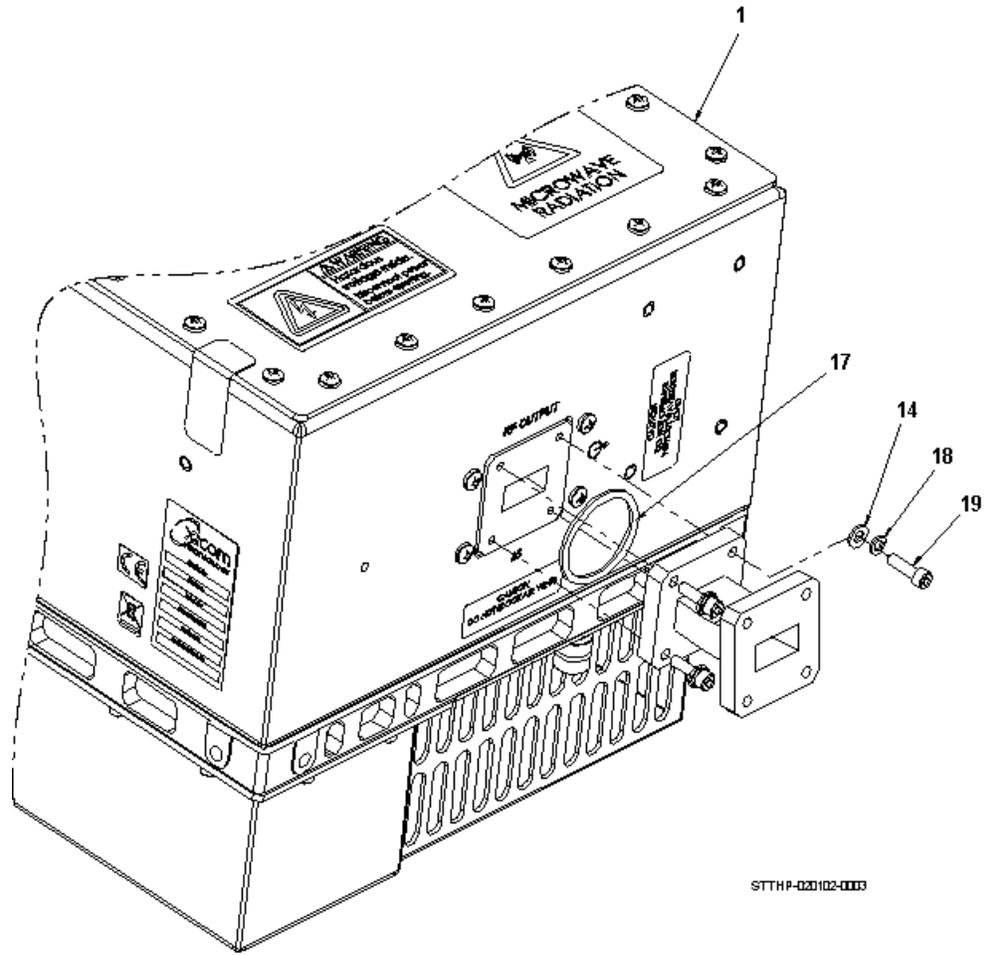


Figure 34. Feed Assembly, KU Band - Group 020102 (Sheet 3 of 6).

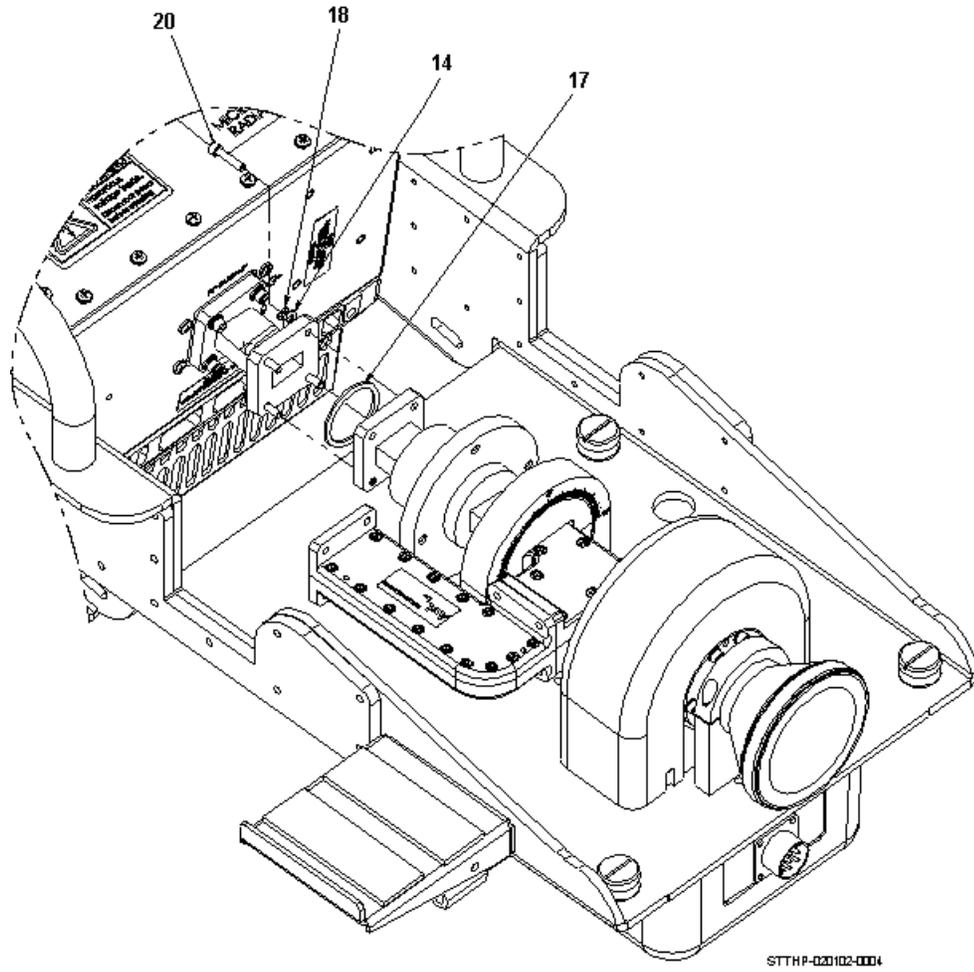


Figure 34. Feed Assembly, KU Band - Group 020102 (Sheet 4 of 6).

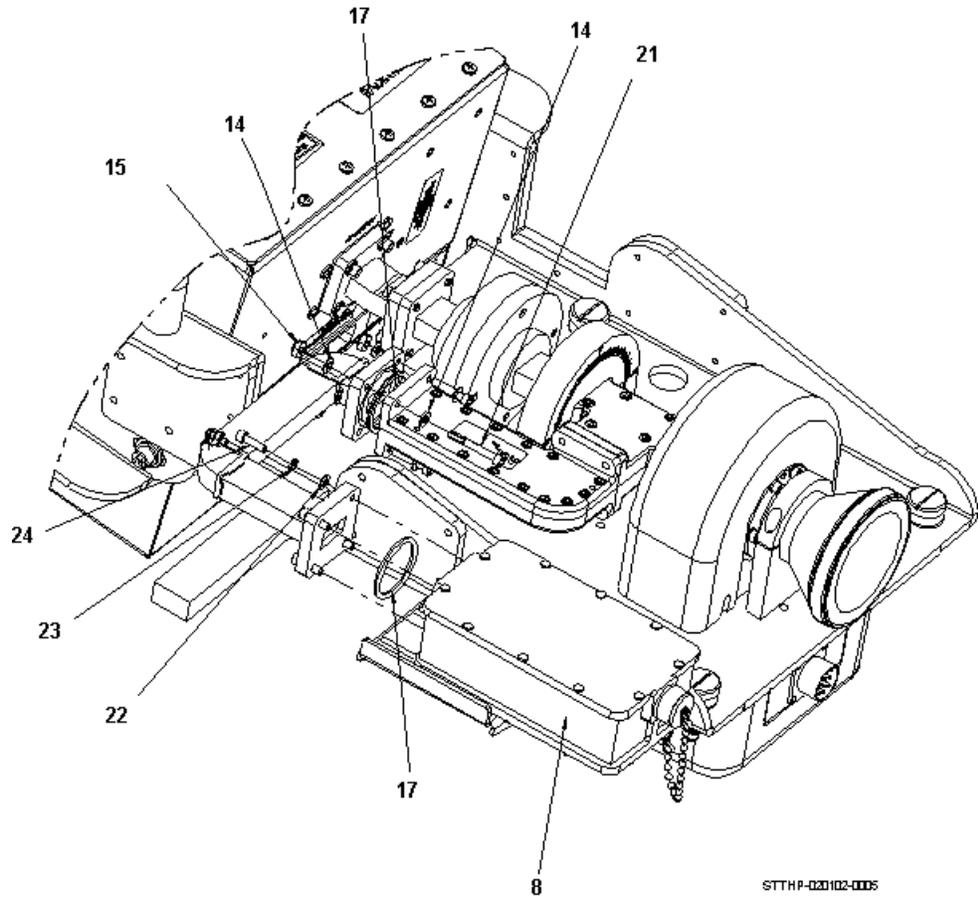
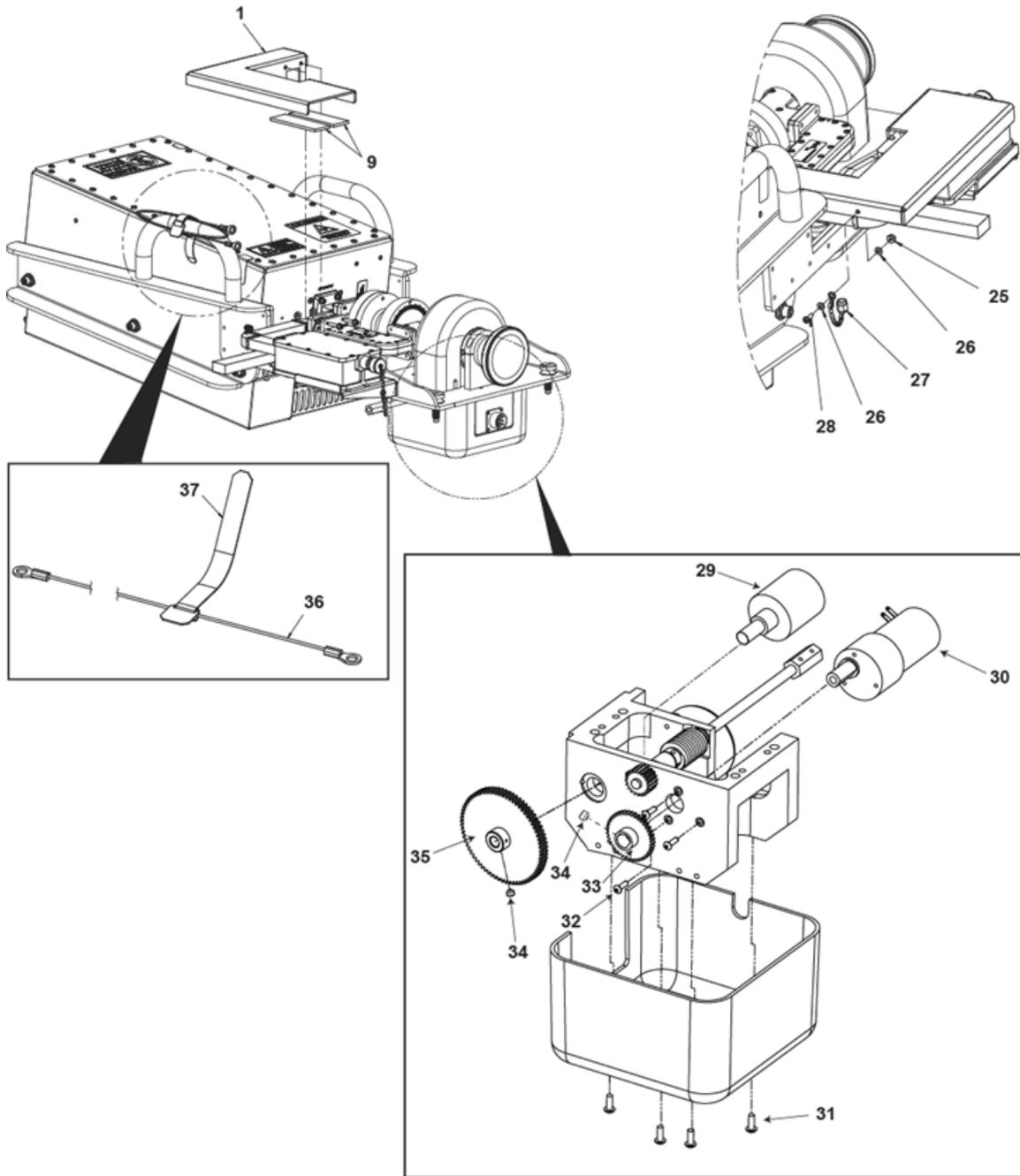


Figure 34. Feed Assembly, KU Band - Group 020102 (Sheet 5 of 6).



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Figure 34. Feed Assembly, KU Band - Group 020102 (Sheet 6 of 6).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 020102, FIGURE 34; FEED ASSEMBLY, KU BAND, 987-0008-566 (A362)	
1	PACZZ		0EFD0	987-0008-696	BRACKET, MOUNTING	1
2	PACDD	5996-01-617-1623	01MX9	EVP270-0001-070	AMPLIFIER, RADIO FREQUENCY	1
3	PBCDD	5340-01-617-0959	13499	013-2048-040	KU FEED TRAY ASSEMBLY	1
4	PACZZ	5310-01-511-4499	39428	98370A013	WASHER, FLAT	6
5	PACZZ	5310-00-933-8121	80205	MS35338-139	WASHER, LOCK	6
6	PACZZ	5305-00-988-7614	80205	MS16995-50	SCREW, CAP, SOCKET HEAD	6
7	PACZZ		0EFD0	987-0007-624	WAVEGUIDE ASSEMBLY	1
8	PACDD	6130-01-617-0342	1C5U8	1008XUN-035989	CONVERTER, FREQUENCY,ELECTRONIC	1
9	PCCZZ		39428	93725K58	RUBBER STRIP	1
10	PACZZ	5310-01-466-1914	80205	90101A225	NUT, SELF-LOCKING, HEXAGON	3
11	PACZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	6
12	PACZZ	5305-01-263-8181	96906	MS51957-30	SCREW, MACHINE	1
13	PACZZ	5340-01-592-8508	74868	202102	CAP, PROTECTIVE, DUST AND MOISTURE SEAL	1
14	PACZZ	5310-01-352-9588	80205	NAS1149CN632R	WASHER, FLAT	17
15	PACZZ	5310-00-176-6341	96906	MS17830-06C	NUT, HEX NYLOCK, 6- 32,18-8	5
16	PACZZ	5305-00-059-3661	80205	MS51958-65	SCREW, MACHINE	3
17	PCCZZ	5330-01-591-5646	0P7R4	AMC-OR-206-H-S	GASKET	4
18	PACZZ	5310-00-929-6395	80205	MS35338-136	WASHER, LOCK	8
19	PACZZ	5305-00-959-1082	80205	MS16995-18	SCREW, CAP, SOCKET HEAD	4
20	PACZZ	5305-00-990-6381	80205	MS16995-19	SCREW, CAP, SOCKET HEAD	4
21	PACZZ	5305-00-068-5415	80205	MS16995-20	SCREW, CAP, SOCKET HEAD	4
22	PACZZ	5310-01-518-7062	39428	93475A230	WASHER, FLAT	4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
23	PACZZ	5310-01-110-7933	81349	D70336/1-20	WASHER, LOCK	4
24	PACZZ	5305-01-231-0602	39428	91292A117	SCREW, CAP, SOCKET HEAD	4
25	PACZZ	5310-00-177-1332	80205	MS17830-04C	NUT, SELF-LOCKING, HEXAGON	1
26	PACZZ	5310-01-338-4121	80205	NAS1149CN432R	WASHER, FLAT	2
27	PACZZ	5935-01-587-2795	64671	7603C	COVER, ELECTRICAL CONNECTOR	1
28	PACZZ	5305-00-054-5649	96906	MS51957-15	SCREW, MACHINE	1
29	PADZZ		19477	MW22B-2982-1K	RESISTOR, VARIABLE, WIRE WOUND, PRECISION	1
30	PADZZ		43WN8	243-094-301	MOTOR, TRANSMISSION	1
31	PADZZ		39428	92360A134	SCREW, CAP, SOCKET HEAD	4
32	PADZZ		39428	92949A108	SCREW, CAP, SOCKET HEAD	3
33	PADZZ		29440	P32S26-40	GEAR, SPUR	1
34	PADZZ		29440	SC2-52	SCREW, SET	2
35	PADZZ		29440	P32A28-72	GEAR, SPUR	1
36	PACZZ		0EFD0	987-0009-258	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
37	PACZZ		06383	HLTP3I-X0	STRAP, RETAINING	1
END OF FIGURE						

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 020103, KA-BAND FEED ASSEMBLY**

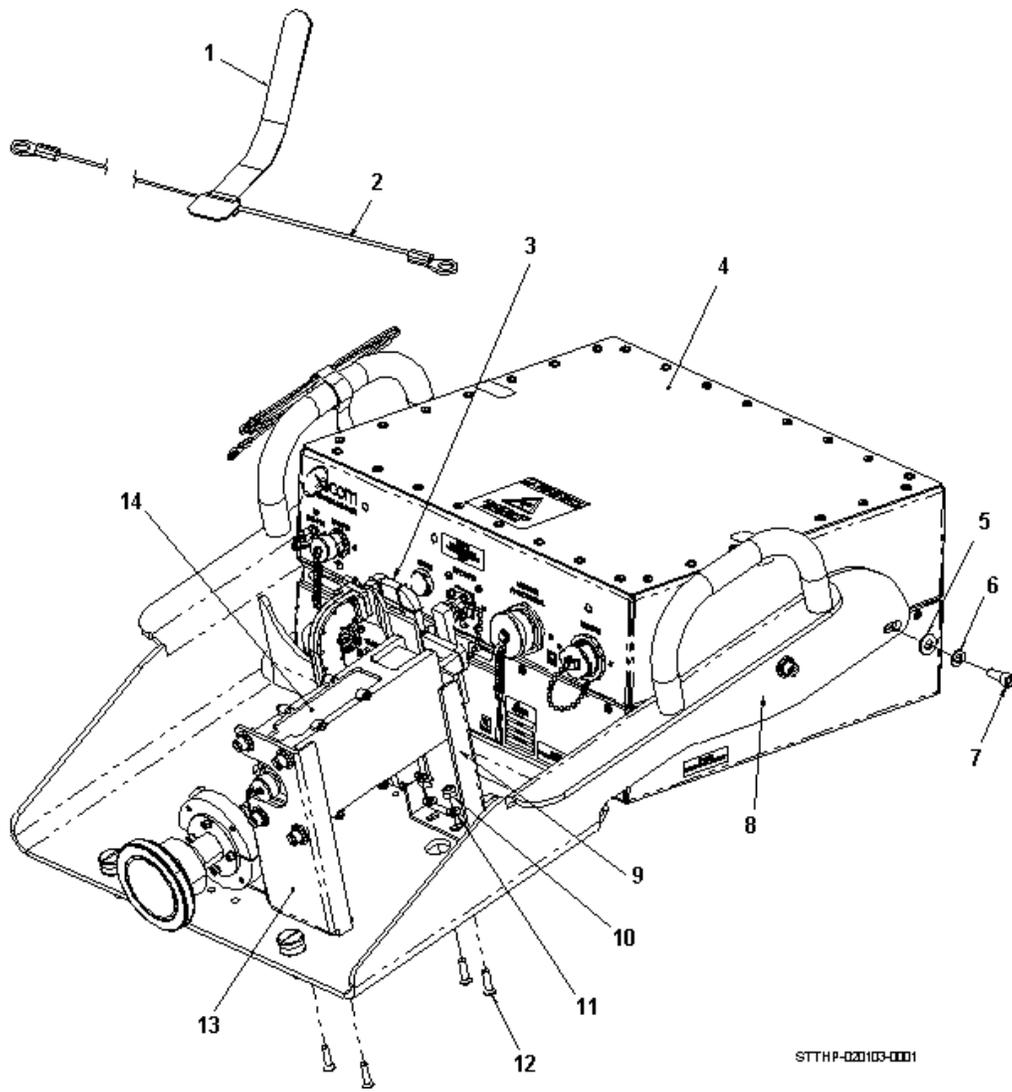
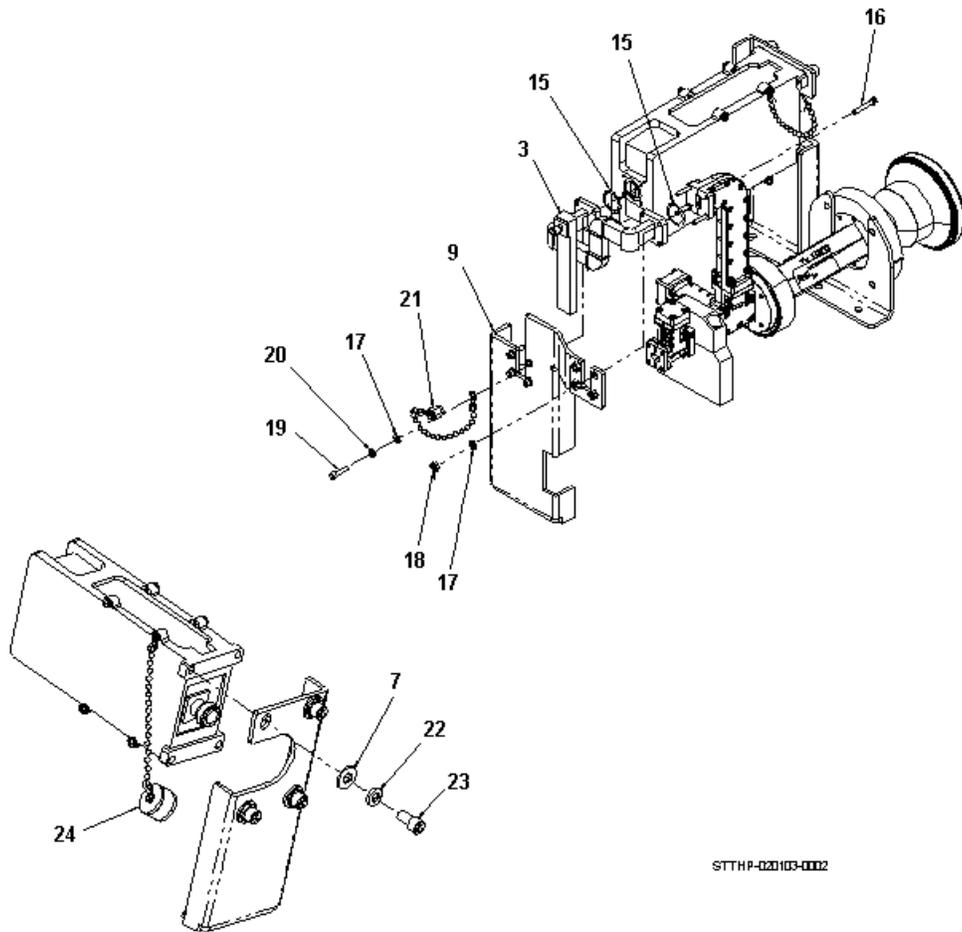


Figure 35. Feed Assembly, Ka Band - Group 020103 (Sheet 1 of 3).



STTHP-020103-0002

Figure 35. Feed Assembly, Ka Band - Group 020103 (Sheet 2 of 3).

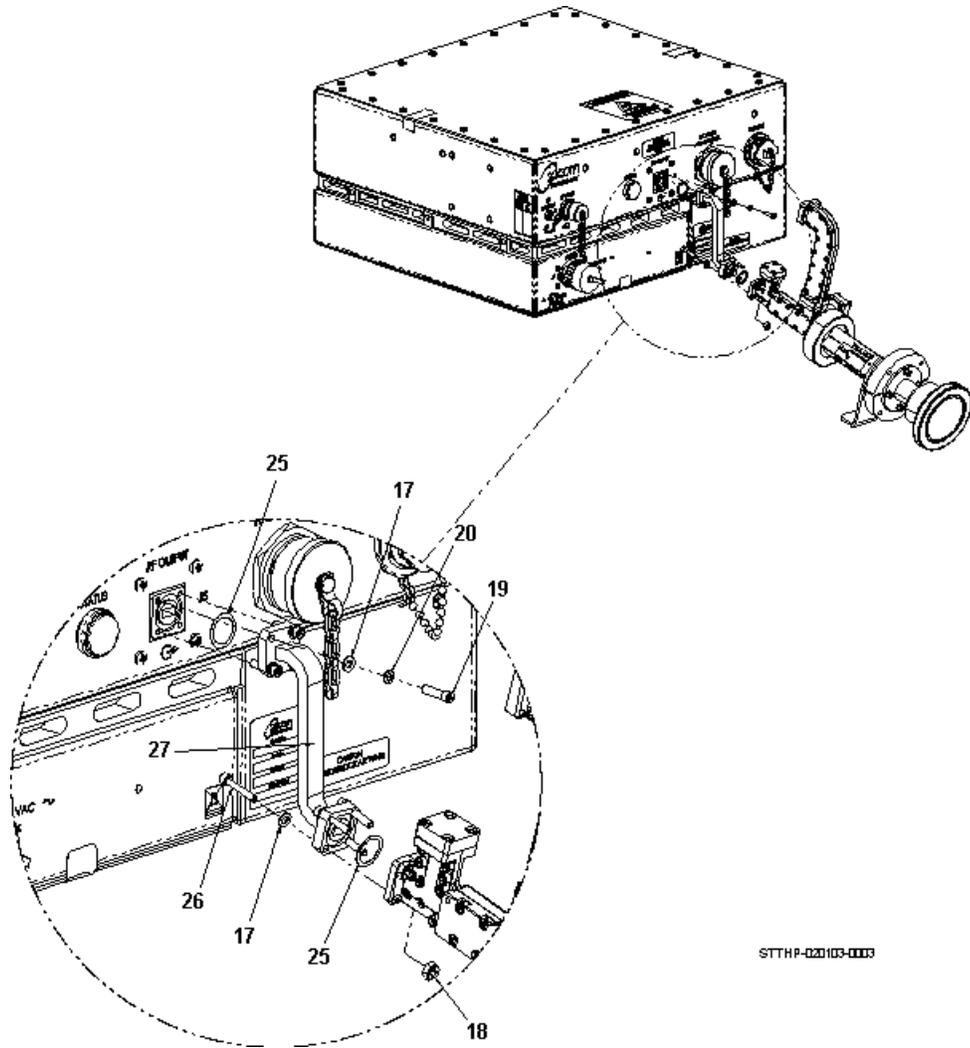
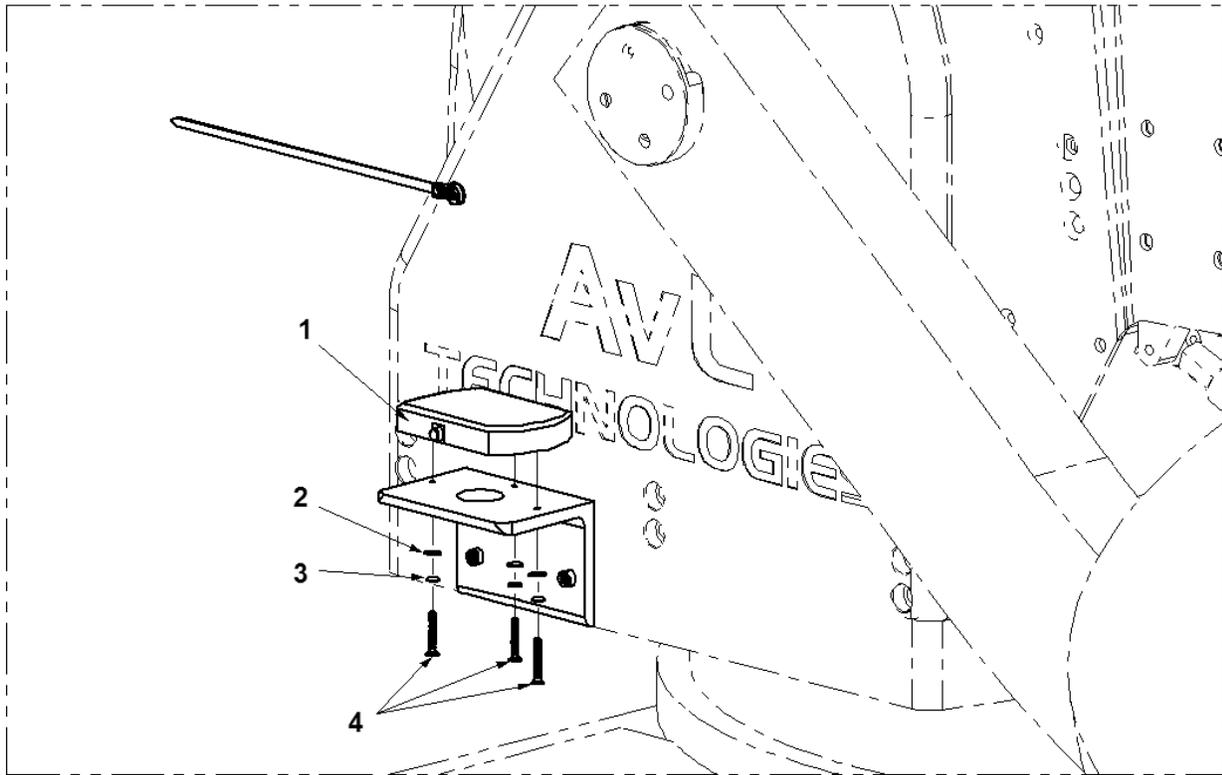


Figure 35. Feed Assembly, Ka Band - Group 020103 (Sheet 3 of 3).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 020103, FIGURE 35; FEED ASSEMBLY, KA BAND, 987-0008-567 (A372)	
1	PACZZ		06383	HLTP3I-X0	STRAP, RETAINING	1
2	PACZZ		0EFD0	987-0009-258	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
3	PACZZ		0EFD0	987-0007-627	WAVEGUIDE ASSEMBLY	1
4	PACDD	5996-01-616-9538	01MX9	EVP270-0001-080	AMPLIFIER, RADIO FREQUENCY	1
5	PACZZ	5310-01-511-4499	39428	98370A013	WASHER, FLAT	10
6	PACZZ	5310-00-933-8121	80205	MS35338-139	WASHER, LOCK	6
7	PACZZ	5305-00-988-7613	80205	MS16995-49	SCREW, CAP, SOCKET HEAD	6
8	XBCDD		13499	013-2048-030	KA FEED TRAY ASSEMBLY	1
9	XBCZZ		0EFD0	987-0008-418	BRACKET, MOUNTING	1
10	PACZZ	5310-01-466-1914	39428	90101A225	NUT, SELF-LOCKING, HEXAGON	4
11	PACZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	4
12	PACZZ	5305-00-071-1324	96906	MS51960-67	SCREW, MACHINE	4
13	XBCZZ		0EFD0	987-0008-039	BRACKET, MOUNTING	1
14	PACDD	6130-01-585-2251	0EFD0	294225-02	CONVERTER, FREQUENCY, ELECTRONIC	1
15	PCCZZ	5331-01-591-5645	0P7R4	AMC-OR-208-S	O-RING	2
16	PACZZ	5305-01-546-9819	39428	92196A113	SCREW, CAP, HEXAGON HEAD	4
17	PACZZ	5310-01-338-4121	80205	NAS1149CN432R	WASHER, FLAT	16
18	PACZZ	5310-00-177-1332	80205	MS17830-04C	NUT, SELF-LOCKING, HEXAGON	8
19	PACZZ	5305-00-068-5414	80205	MS16995-11	SCREW, CAP, SOCKET HEAD	8
20	PACZZ	5310-00-933-8118	80205	MS35338-135	WASHER, LOCK	8
21	PACZZ	5935-01-587-2795	64671	7603C	COVER, ELECTRICAL CONNECTOR	1
22	PACZZ	5310-01-033-8615	96906	MS51848-50	WASHER, LOCK	4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
23	PACZZ		0Y3H3	1173459	SCREW, CAP, SOCKET HEAD	4
24	PACZZ	5340-01-592-8508	74868	202102	CAP, PROTECTIVE, DUST AND MOISTURE SEAL	1
25	PCCZZ	5331-01-591-5643	0P7R4	AMC-OR-209-S	O-RING	2
26	PACZZ	5305-00-330-3748	80205	MS16995-12	SCREW, CAP, SOCKET HEAD	4
27	PACZZ		0EFD0	987-0007-628	WAVEGUIDE ASSEMBLY	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0202, GPS ANTENNA**



STTHP-0202-0001

Figure 36. Antenna Control Subsystem - Group 0202.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0202, FIGURE 36; ANTENNA CONTROL SUBSYSTEM, 987-0008-252 (A382)	
1	PACZZ	5985-01-521-1775	13499	013-1981-010	ANTENNA	1
2	PACZZ	5310-01-352-9588	80205	NAS1149CN632R	WASHER, FLAT	3
3	PACZZ	5310-00-929-6395	80205	MS35338-136	WASHER, LOCK	3
4	PACZZ	5305-01-020-7570	80205	MS51957-29	SCREW, MACHINE	3
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0203, MAIN ANTENNA SUBSYSTEM**

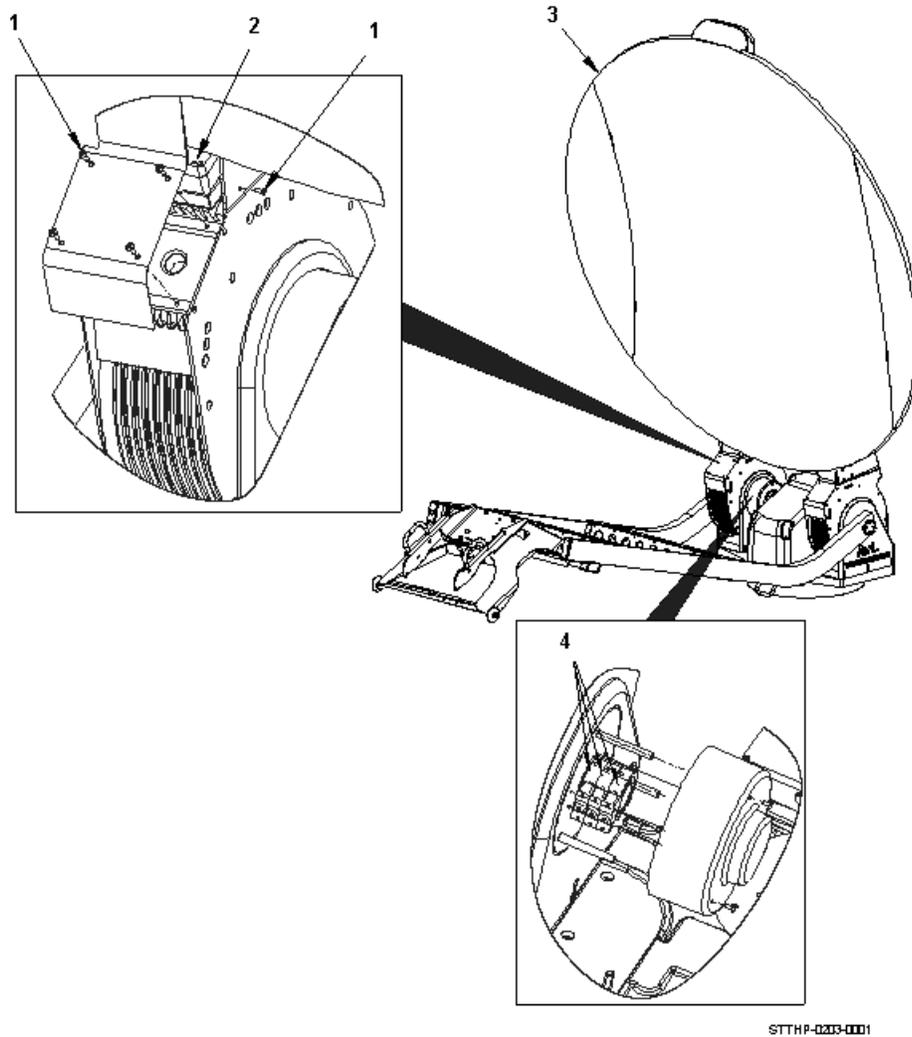


Figure 37. Main Antenna Subsystem - Group 0203 (Sheet 1 of 7).

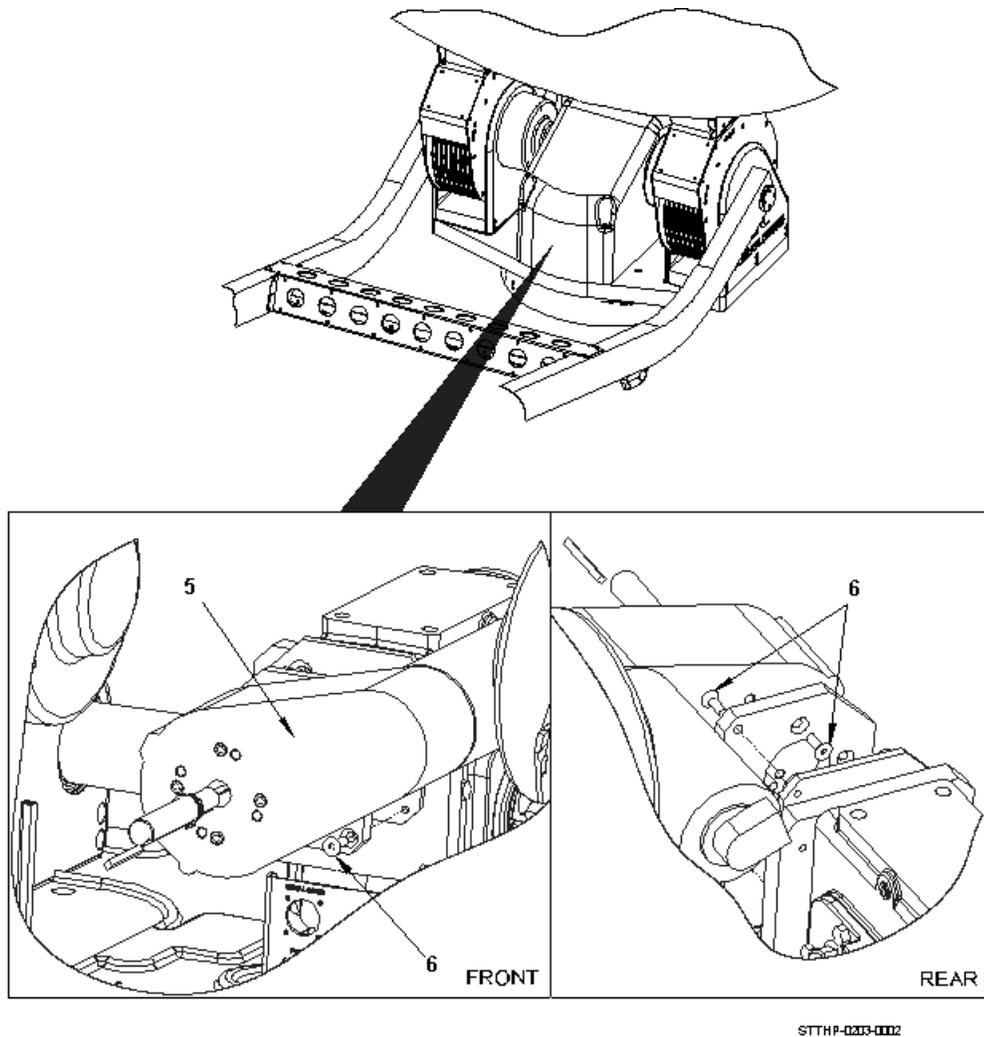


Figure 37. Main Antenna Subsystem - Group 0203 (Sheet 2 of 7).

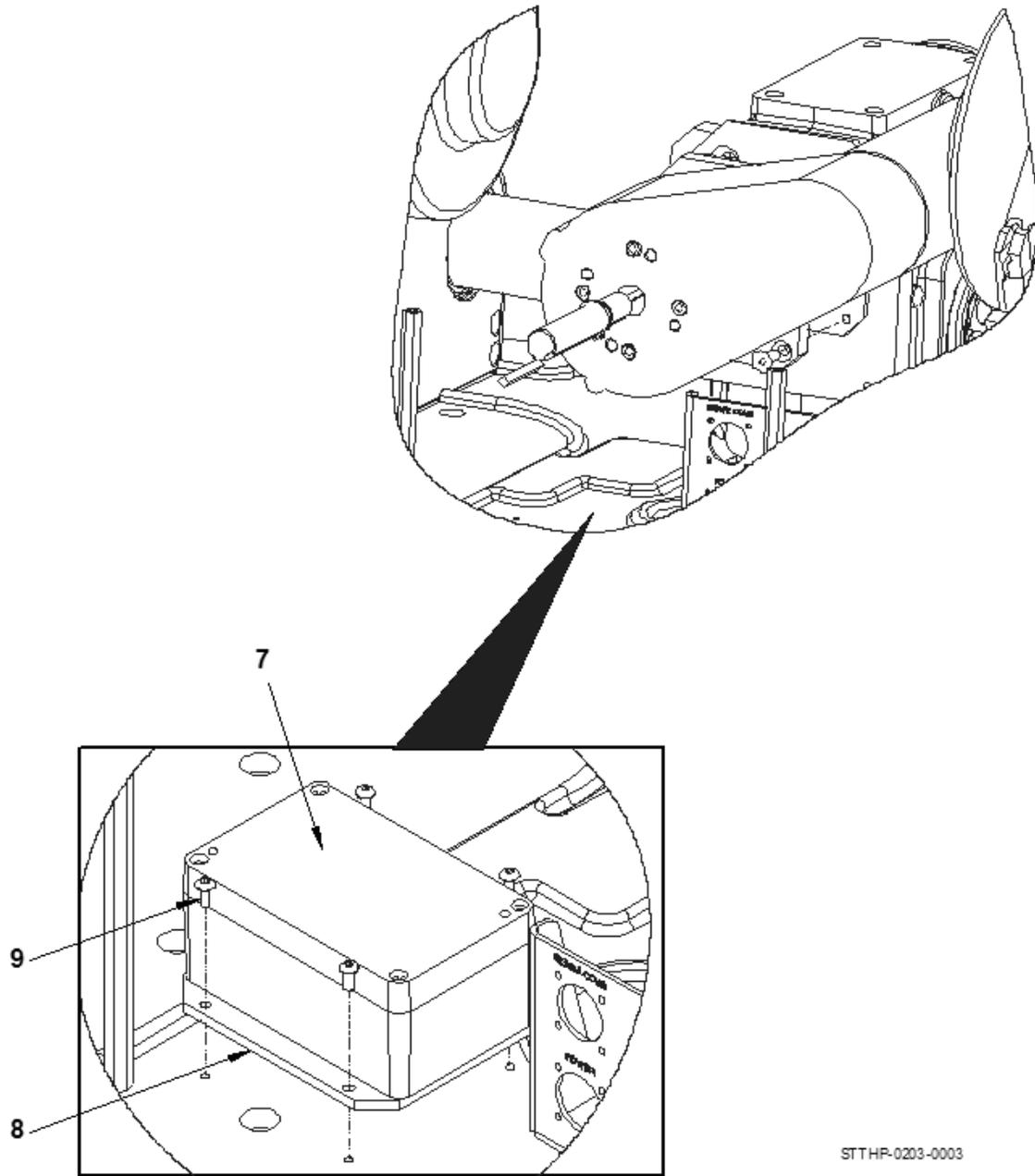


Figure 37. Main Antenna Subsystem - Group 0203 (Sheet 3 of 7).

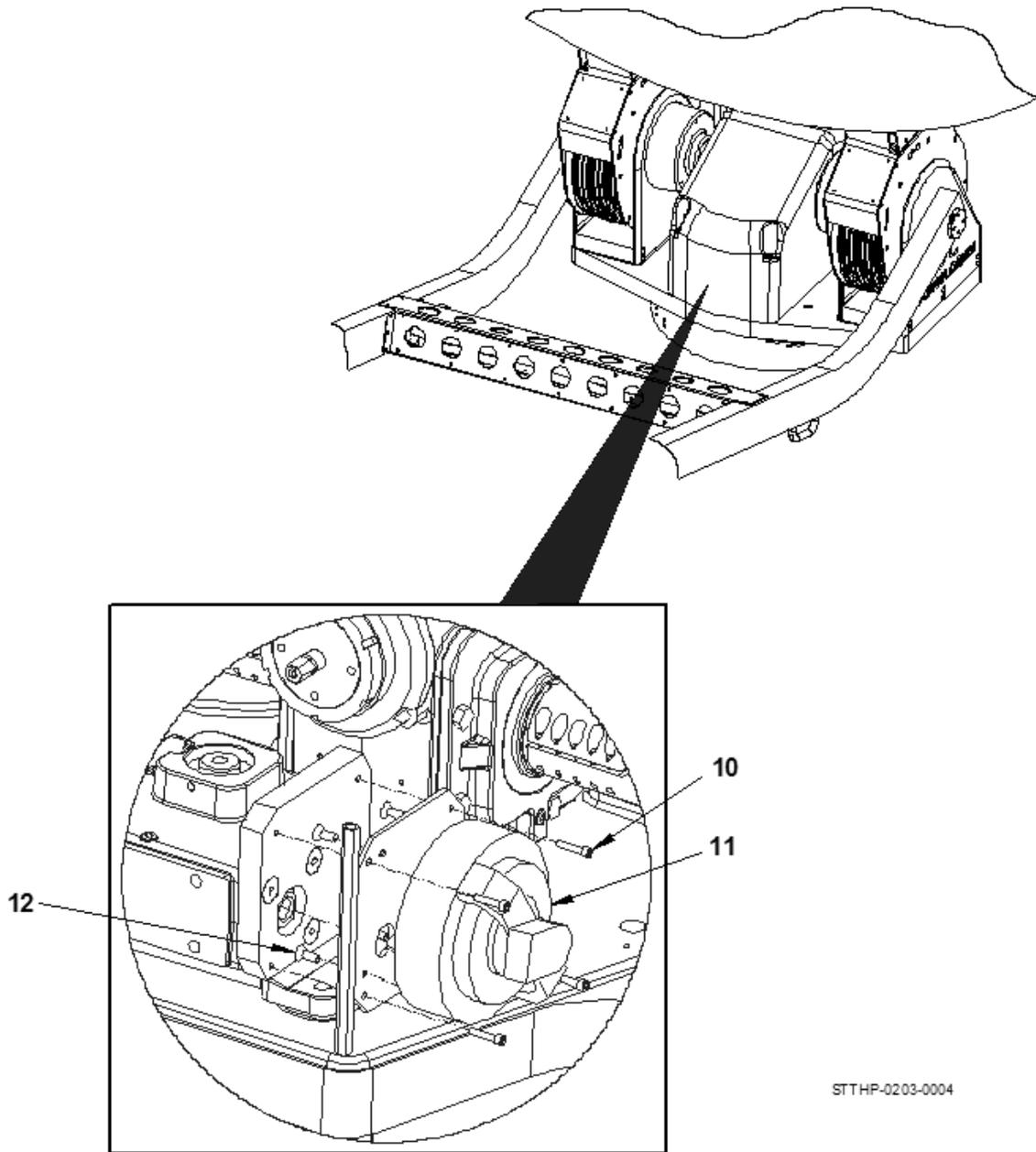


Figure 37. Main Antenna Subsystem - Group 0203 (Sheet 4 of 7).

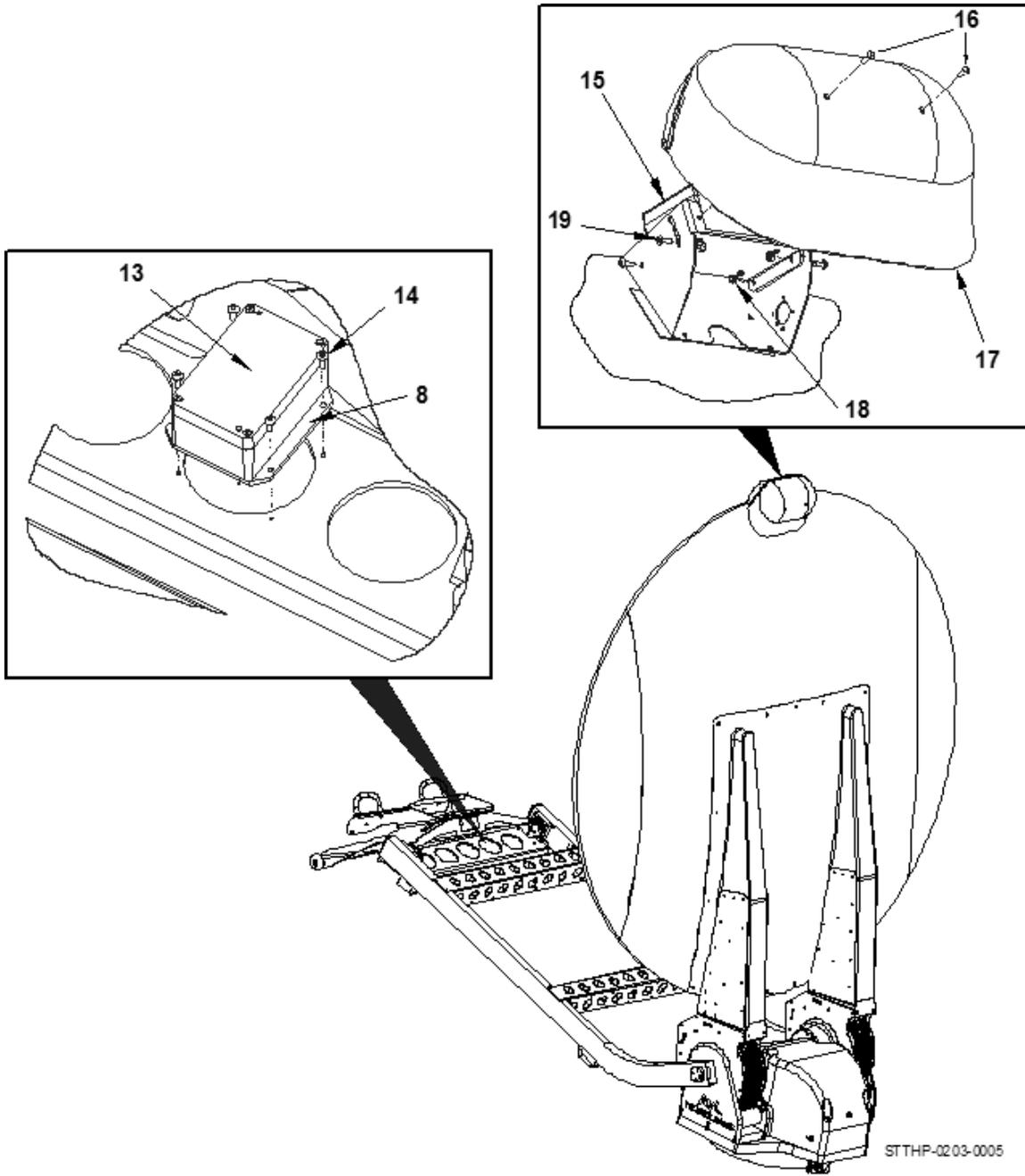


Figure 37. Main Antenna Subsystem - Group 0203 (Sheet 5 of 7).

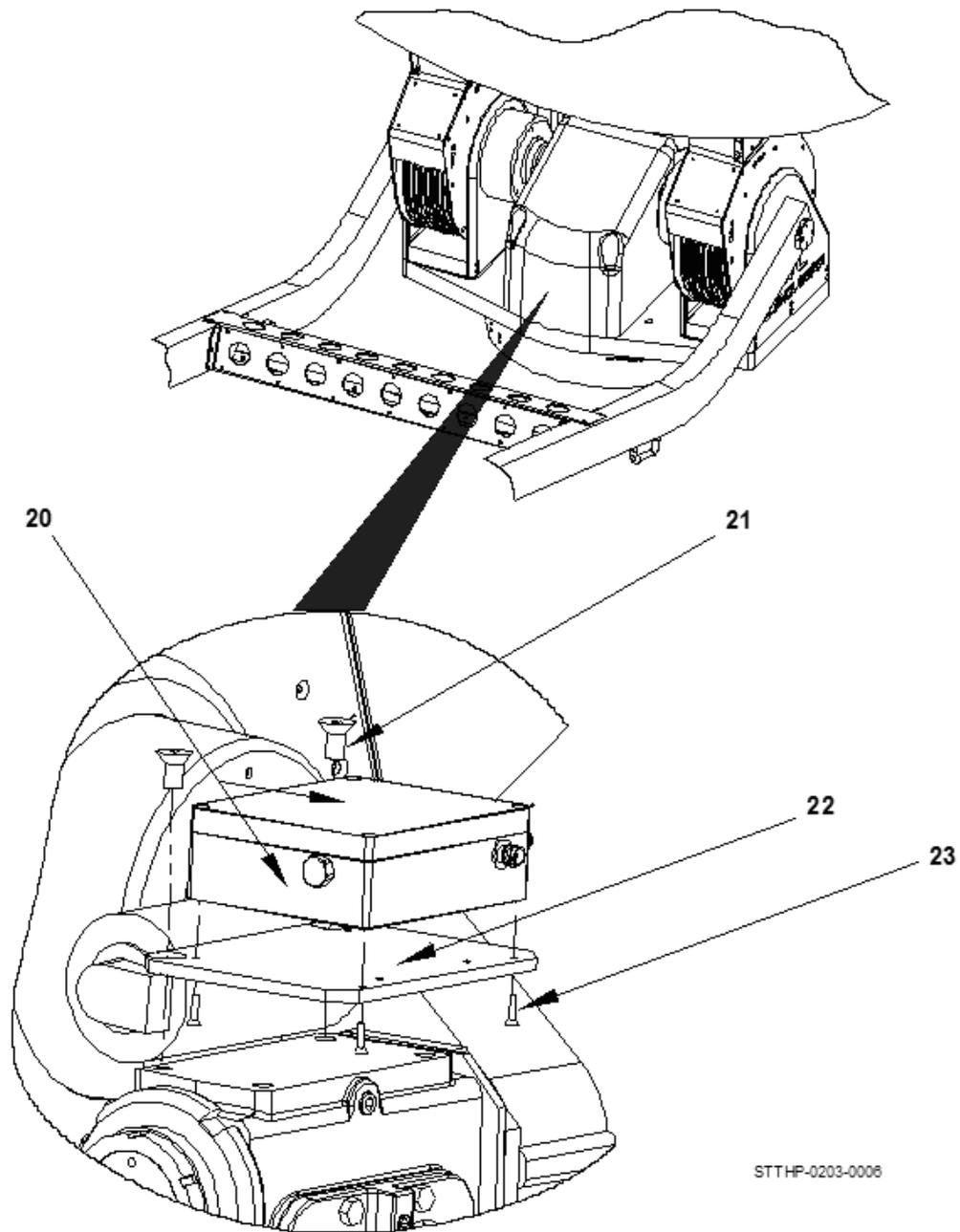
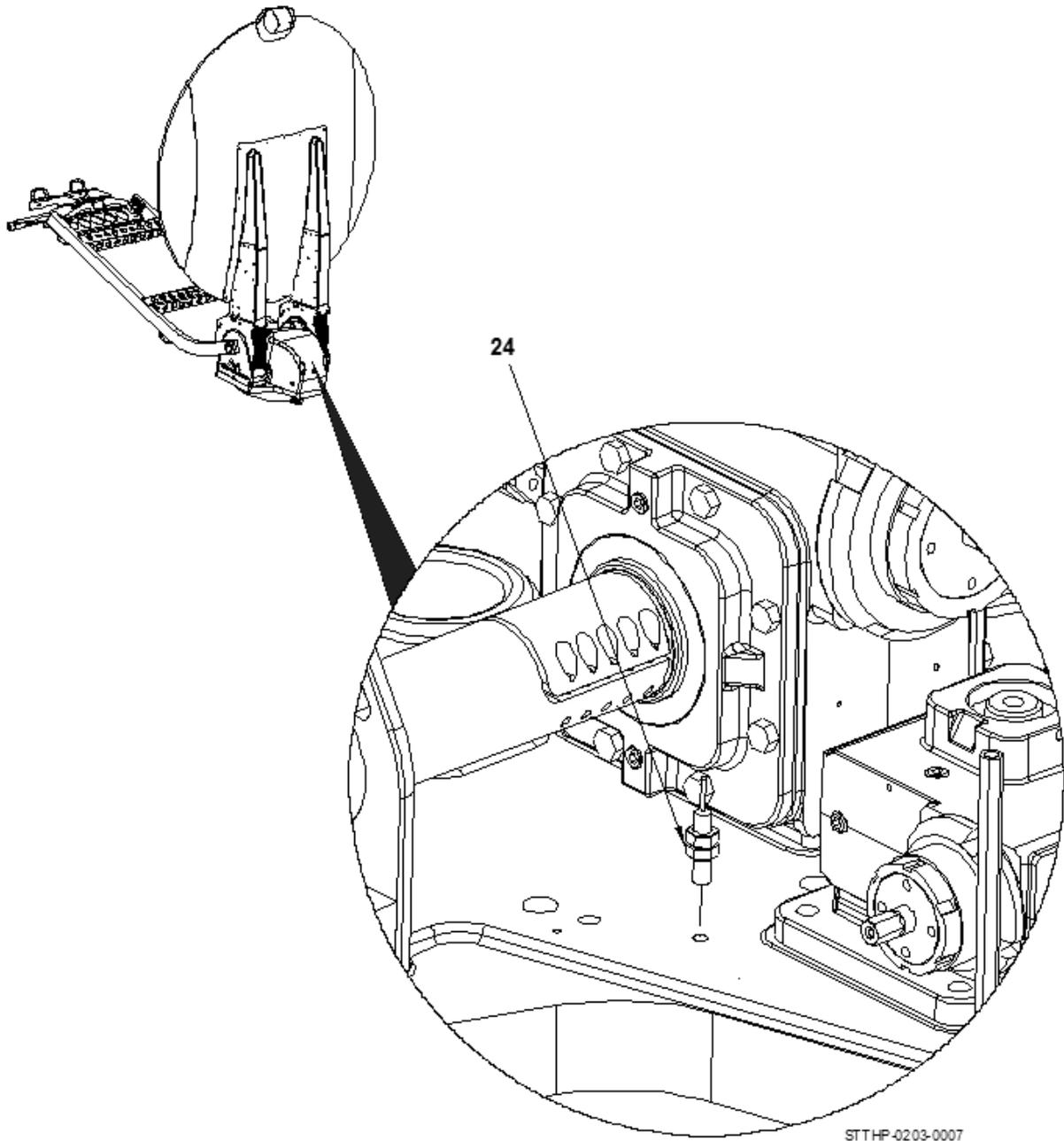


Figure 37. Main Antenna Subsystem - Group 0203 (Sheet 6 of 7).



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Figure 37. Main Antenna Subsystem - Group 0203 (Sheet 7 of 7).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0203, FIGURE 37; MAIN ANTENNA SUBSYSTEM, 987-0008-253 (A384)	
1	PACZZ		39428	92949A146	SCREW, CAP, SOCKET HEAD	6
2	PACDD	5998-01-616-8804	43WN8	701-133-301	CIRCUIT CARD ASSEMBLY	1
3	XBCDD		43WN8	243-000-504	ANTENNA	1
4	PACZZ	5930-00-583-2705	91929	BZ-2RW82255-A2-S	SWITCH, SENSITIVE	3
5	PACDD	6105-01-617-0065	43WN8	P0409	MOTOR-TACHOMETER GENERATOR	1
6	PACZZ	5305-01-566-8731	39428	92210A540	SCREW, CAP, SOCKET HEAD	8
7	PACDD	5998-01-616-8806	43WN8	701-112-301	CIRCUIT CARD ASSEMBLY	1
8	PACZZ		43WN8	243-070-001	BRACKET, MOUNTING	2
9	PACZZ		39428	97763A177	SCREW, CAP, SOCKET HEAD	4
10	PACZZ	5305-01-592-8611	39428	96006A619	SCREW, CAP, SOCKET HEAD	4
11	PACDD	6105-01-616-7891	43WN8	9AFG15099	MOTOR-TACHOMETER GENERATOR	1
12	PACZZ	5305-01-548-6408	3A054	92210A302	SCREW, CAP, SOCKET HEAD	4
13	PACDD	5998-01-616-9236	43WN8	701-113-301	CIRCUIT CARD ASSEMBLY	1
14	PACZZ		39428	97763A232	SCREW, CAP, SOCKET HEAD	4
15	PACDD	5998-01-616-8781	43WN8	701-106-301	CIRCUIT CARD ASSEMBLY	1
16	PACZZ		39428	96367A685	SCREW, CAP, SOCKET HEAD	2
17	XBCZZ		43WN8	243-052-201	COVER	1
18	PACZZ		39428	94909A009	NUT, SELF-LOCKING, HEXAGON	4
19	PACZZ		39428	92949A194	SCREW, CAP, SOCKET HEAD	4
20	PACDD	5985-01-616-9341	43WN8	701-114-301	CONTROL, ANTENNA	1
21	PACZZ		39428	90585A622	SCREW, CAP, SOCKET HEAD	2
22	PACZZ		43WN8	243-046-001	BRACKET, MOUNTING	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
23	PACZZ	5305-00-949-9208	80205	MS24671-10	SCREW, CAP, SOCKET HEAD	4
24	PACZZ		43WN8	P0086/300-217-701	SWITCH, SENSITIVE	1
END OF FIGURE						

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 03, ELECTRONICS SUBSYSTEM**

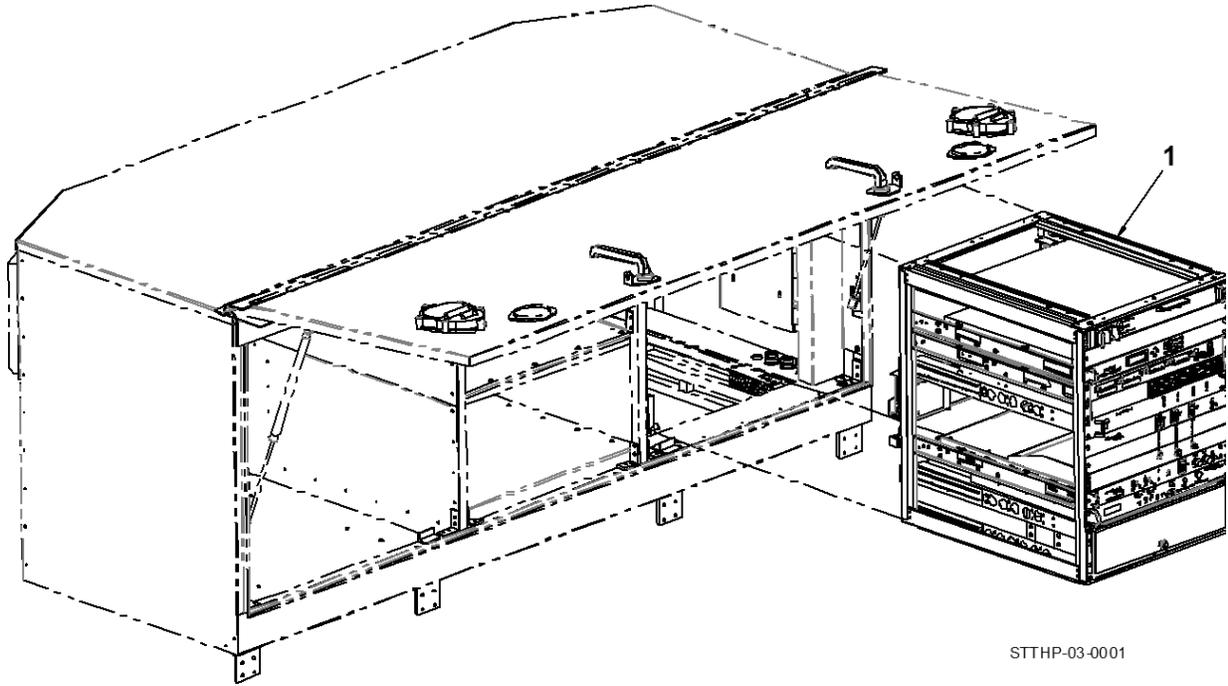
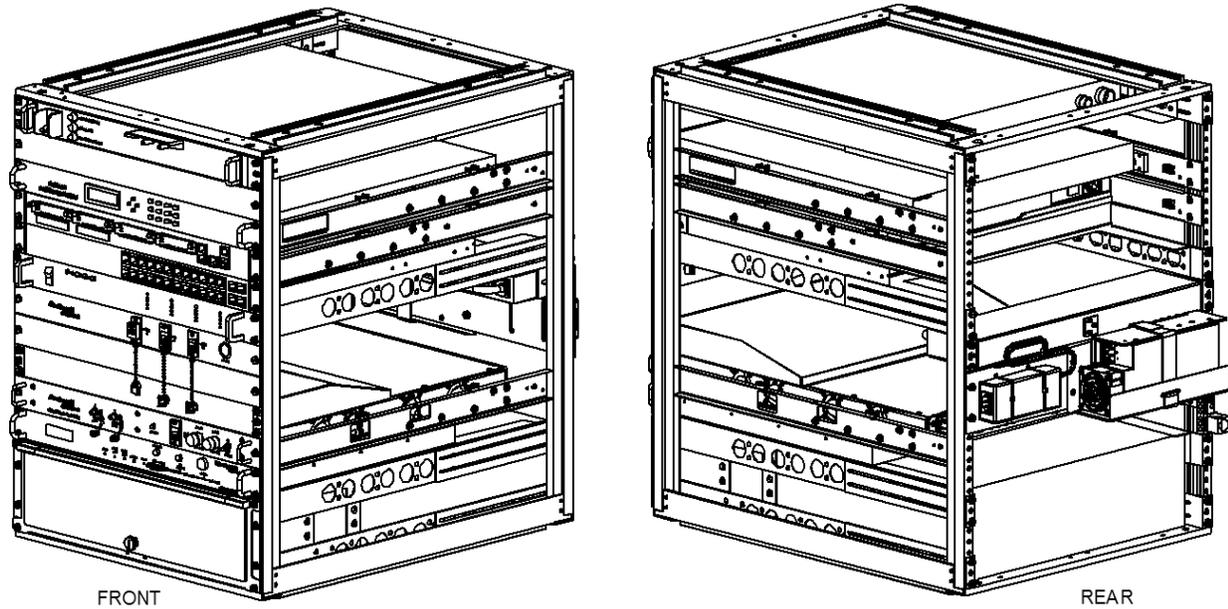


Figure 38. Electronics Subsystem - Group 03

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	XBCCC		0EFD0	987-0008-259	GROUP 03, FIGURE 38; ELECTRONICS SUBSYSTEM, 987-0008-258 (A409) ELECTRONICS COMPONENTS ASSEMBLY END OF FIGURE	1

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 0301, A1 RACK ASSEMBLY, M&C SUBSYSTEMS**



FRONT

REAR

STTHP-0301-0001

Figure 39. Electronics Components Assembly - Group 0301 (Sheet 1 of 9).

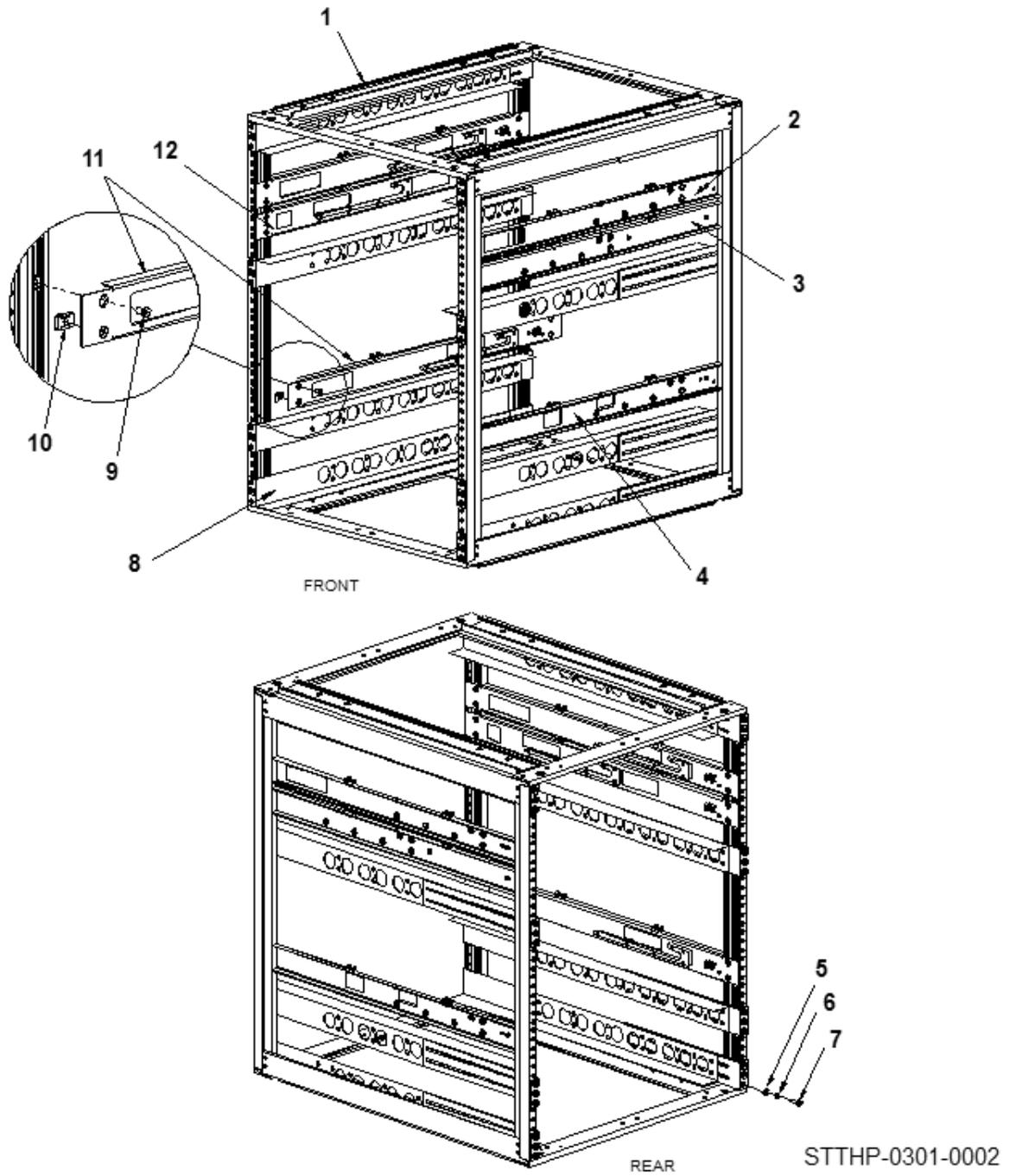
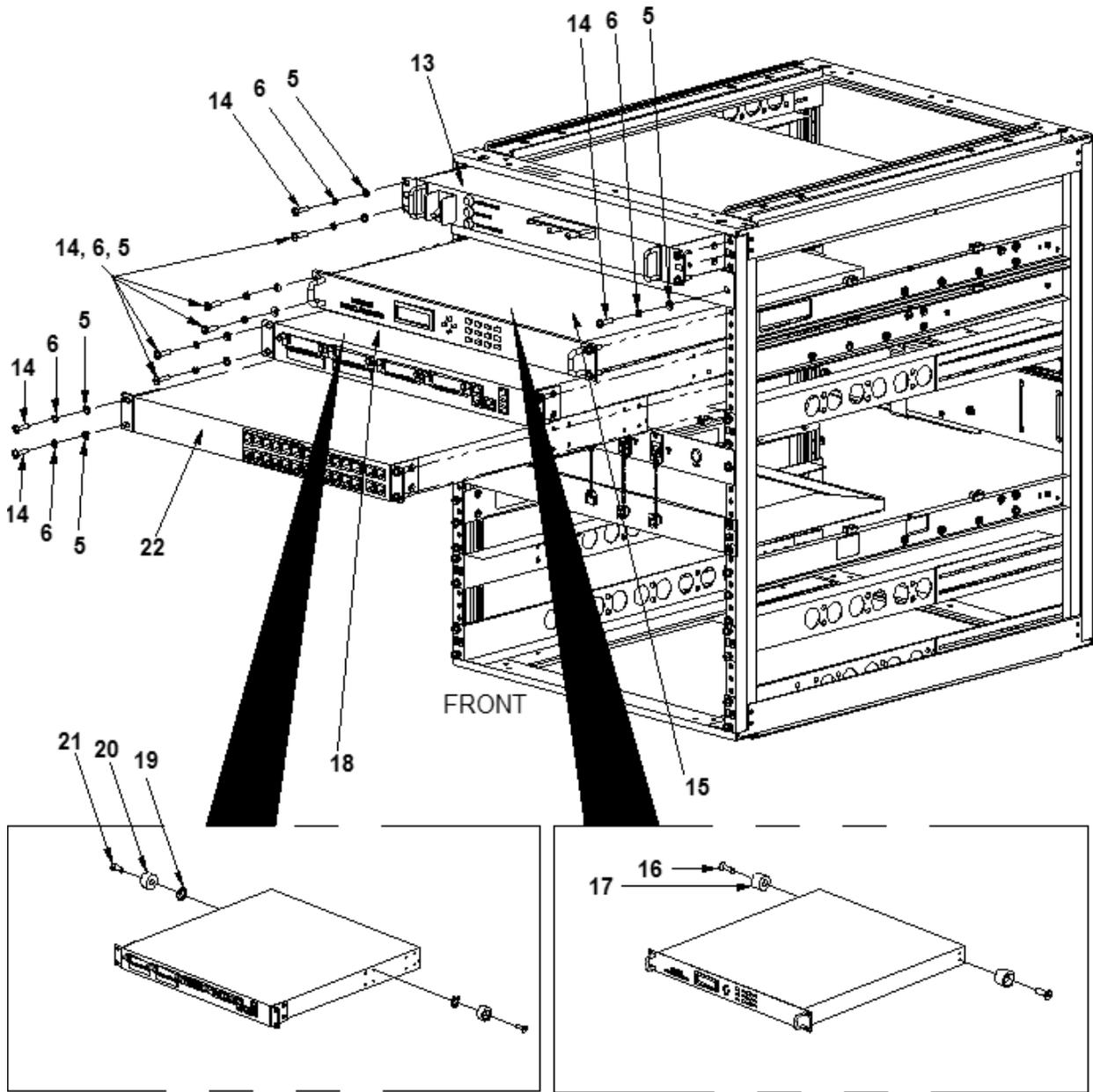
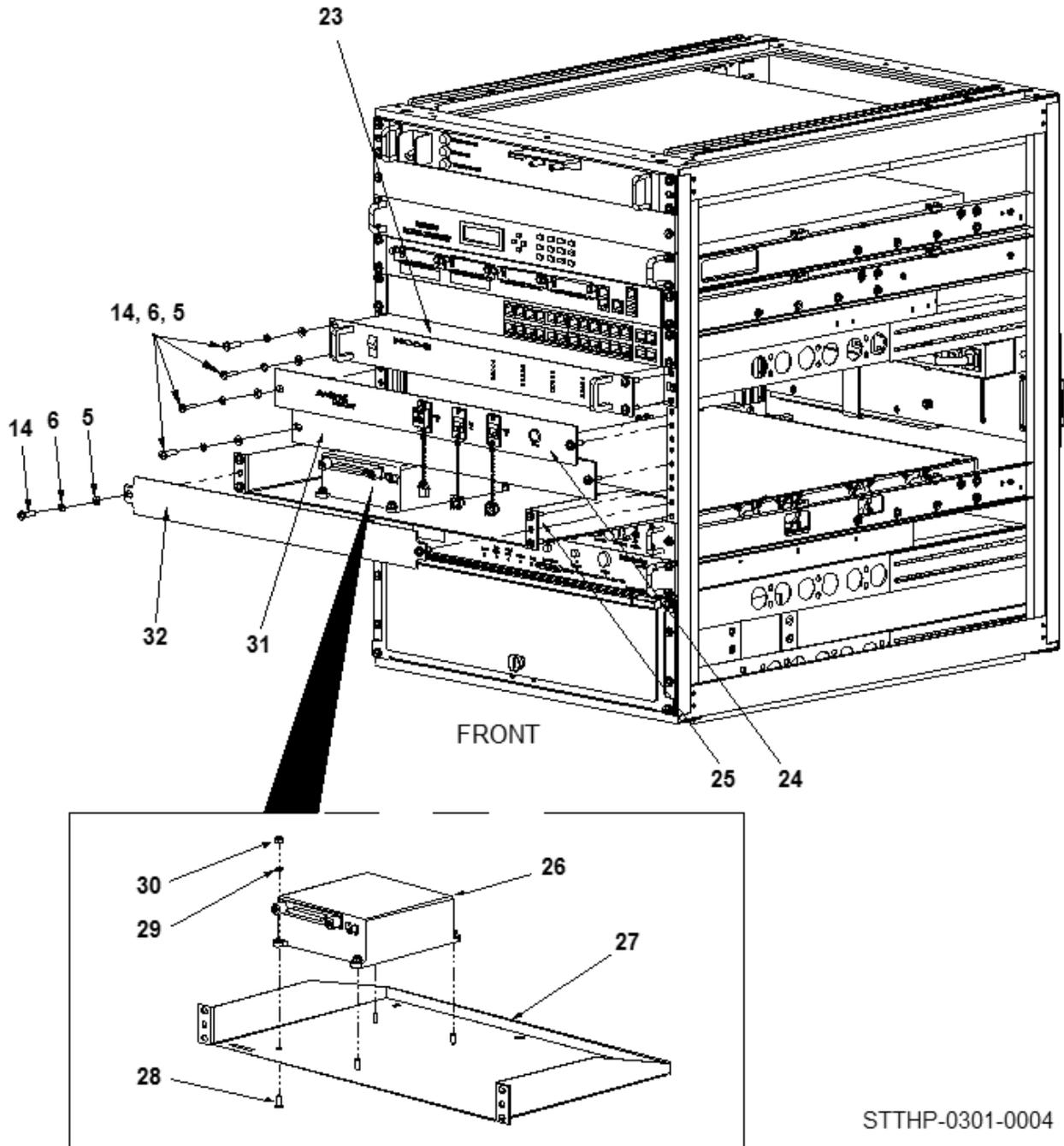


Figure 39. Electronics Components Assembly - Group 0301 (Sheet 2 of 9).



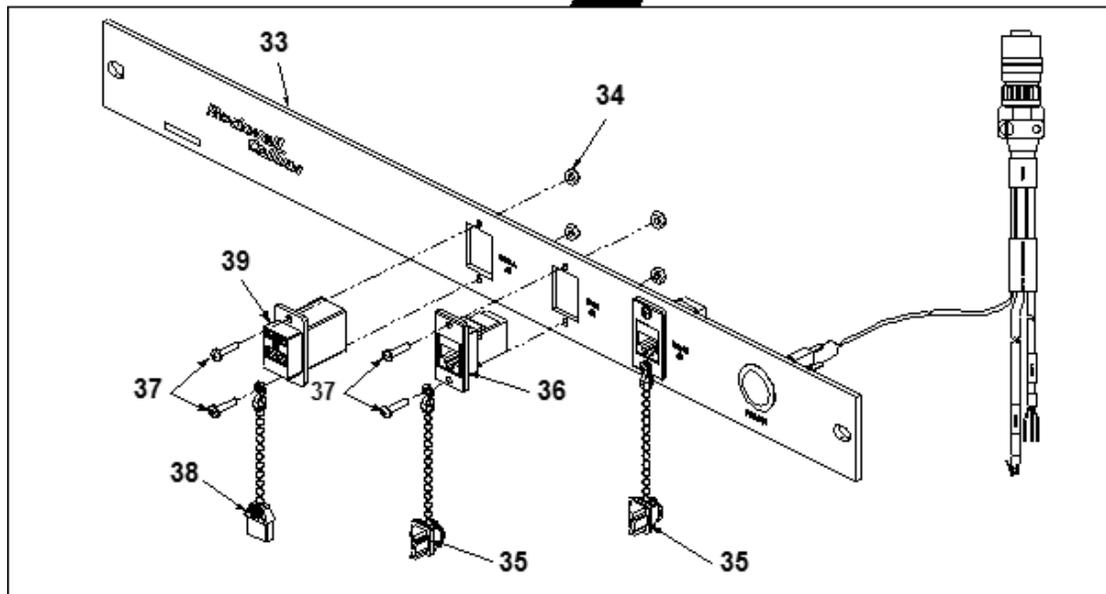
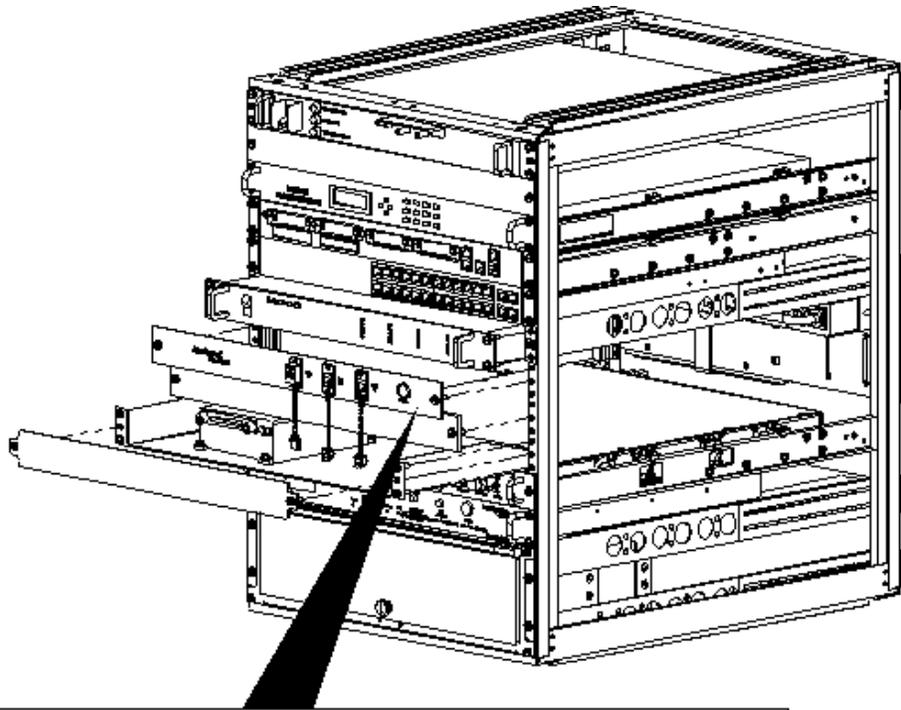
STTHP-0301-0003

Figure 39. Electronics Components Assembly - Group 0301 (Sheet 3 of 9).



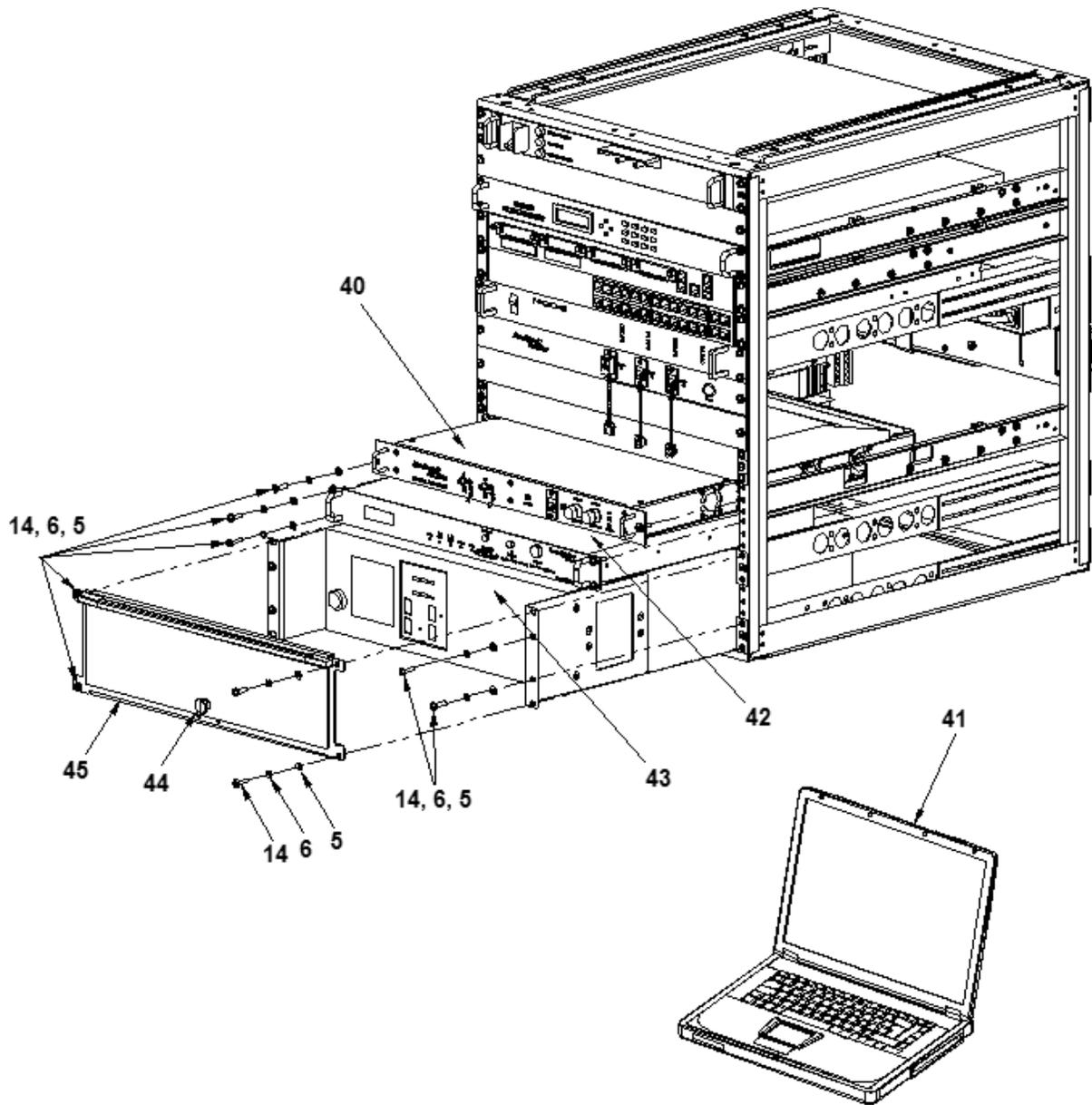
STTHP-0301-0004

Figure 39. Electronics Components Assembly - Group 0301 (Sheet 4 of 9).



STTHP-0301-0005

Figure 39. Electronics Components Assembly - Group 0301 (Sheet 5 of 9).



STTHP-0301-0006

Figure 39. Electronics Components Assembly - Group 0301 (Sheet 6 of 9).

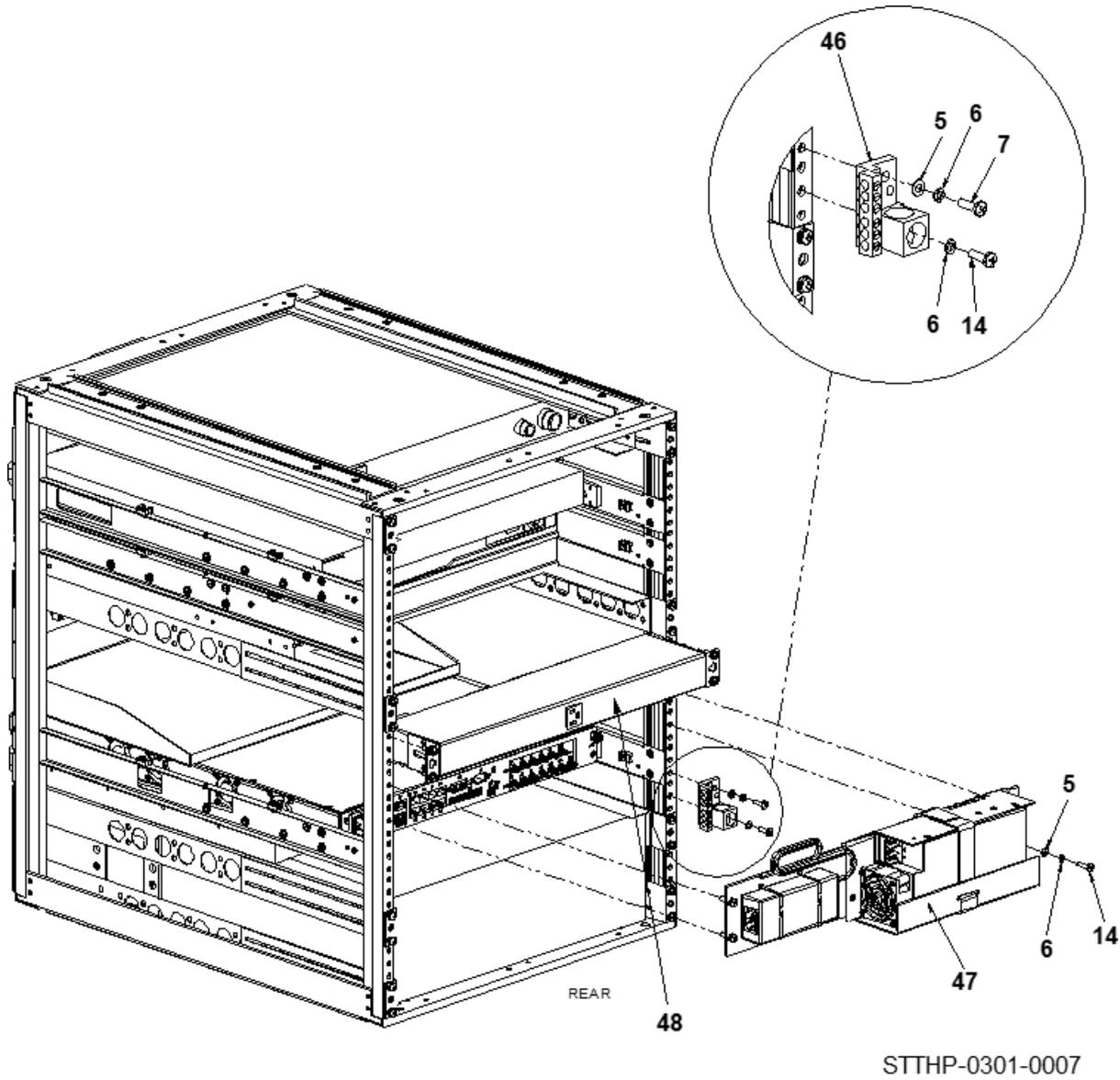


Figure 39. Electronics Components Assembly - Group 0301 (Sheet 7 of 9).

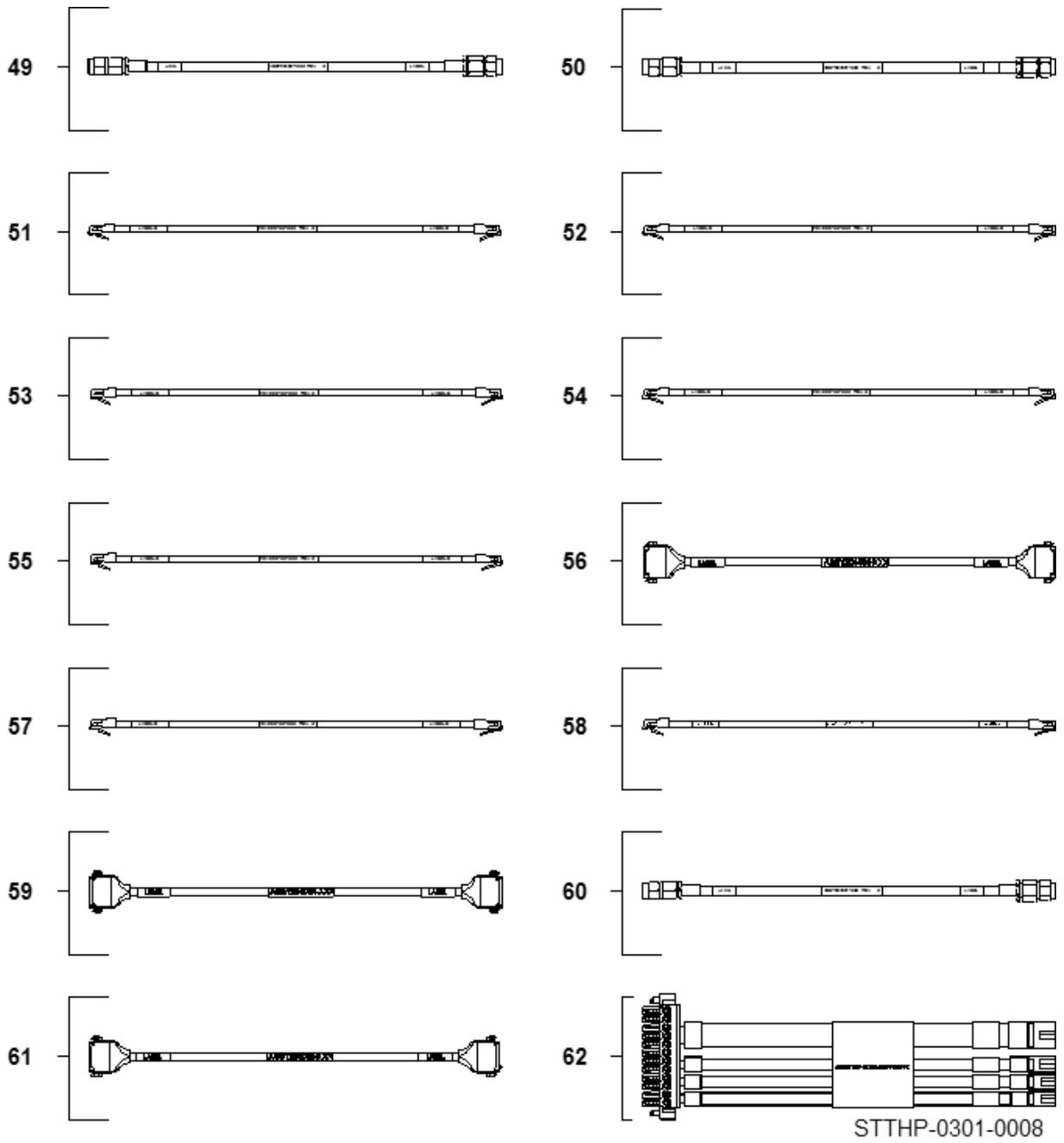
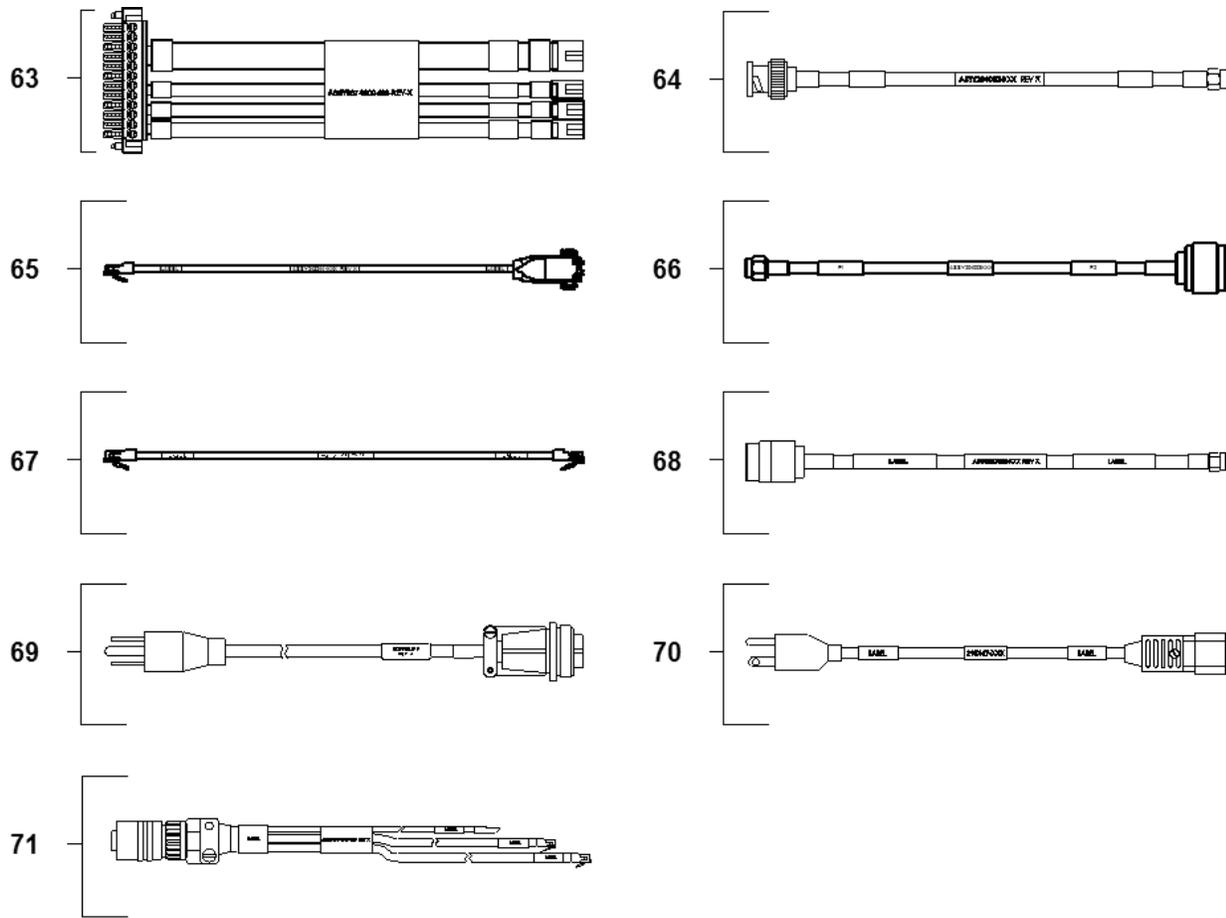


Figure 39. Electronics Components Assembly - Group 0301 (Sheet 8 of 9).



STTHP-0301-0009

Figure 39. Electronics Components Assembly - Group 0301 (Sheet 9 of 9).

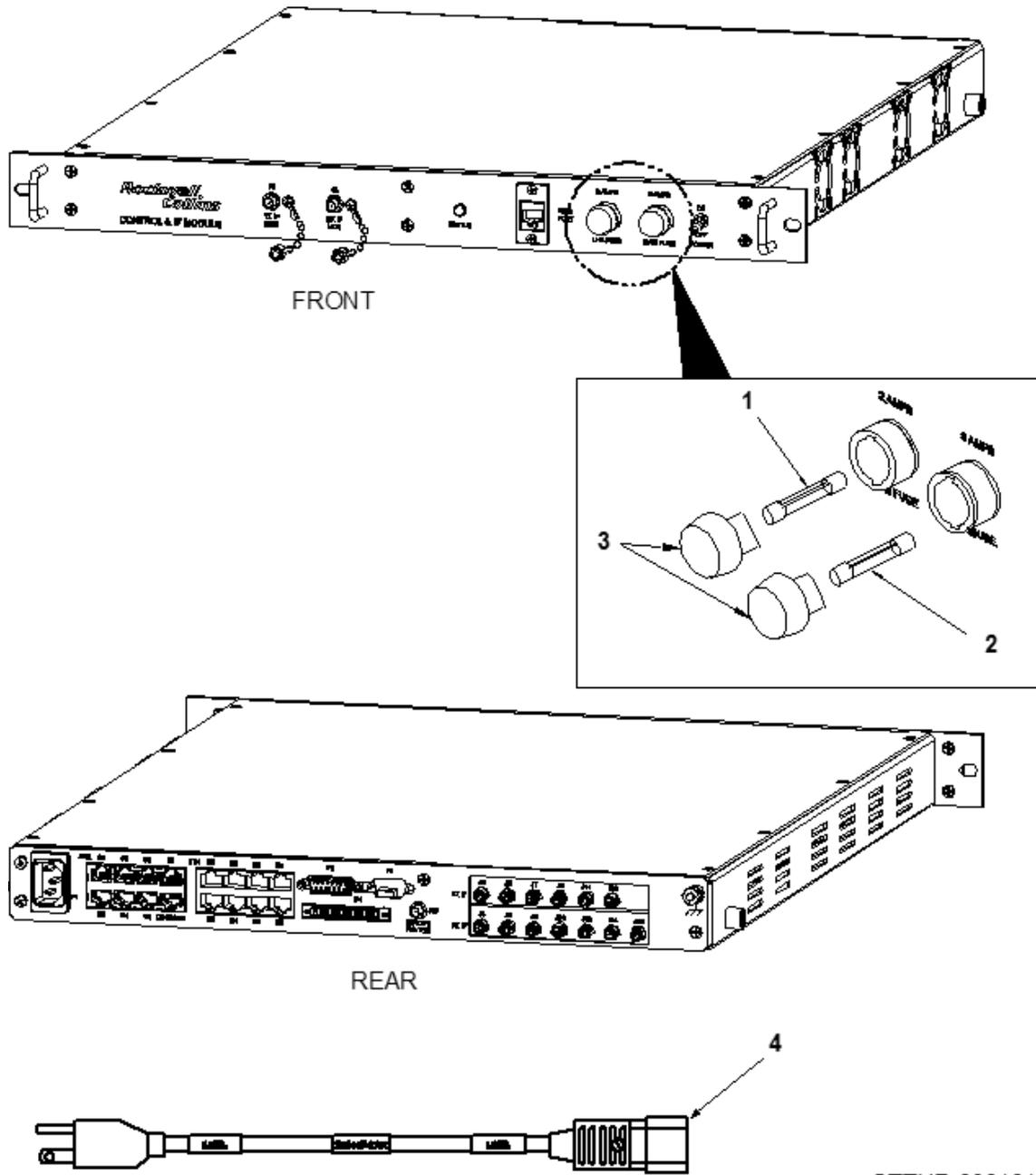
(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 0301, FIGURE 39; ELECTRONICS COMPONENTS ASSEMBLY, 987-0008-259 (A410)	
1	XBCZZ		1BPK0	205537-01	SLIDE, DRAWER, EXTENSION	1
2	XBCZZ		0EFD0	987-0002-074	SLIDE, DRAWER, EXTENSION	1
3	XBCZZ		0EFD0	987-0002-076	SLIDE, DRAWER, EXTENSION	1
4	XBCZZ		0EFD0	987-0002-075	SLIDE, DRAWER, EXTENSION	1
5	PACZZ	5310-00-619-1148	80205	MS15795-808	WASHER, FLAT	65
6	PACZZ	5310-00-933-8120	80205	MS35338-138	WASHER, LOCK	65
7	PACZZ	5305-00-059-3660	80205	MS51958-64	SCREW, MACHINE	17
8	XBCZZ	5340-01-561-4560	3BNS4	1UKIT-109	BRACKET, ANGLE	4
9	PACZZ	5305-01-388-5109	96906	MS51960-63L	SCREW, MACHINE	24
10	PACZZ	5310-00-830-5796	96195	P7006-1032EG	NUT, SELF-LOCKING, GANG CHANNEL	24
11	XBCZZ		0EFD0	987-0002-073	SLIDE, DRAWER, EXTENSION	2
12	XBCZZ		0EFD0	987-0002-072	SLIDE, DRAWER, EXTENSION	1
13	PACDD	5895-01-596-5048	11627	1000-0001-7	MODEM, COMMUNICATIONS	1
14	PACZZ	5305-00-059-3661	80205	MS51958-65	SCREW, MACHINE	47
15	PACDD		05QX1	128-1V04-830	MODEM, COMMUNICATIONS	1
16	PACZZ	5305-00-071-1323	96906	MS51960-66	SCREW, MACHINE	2
17	PACZZ	5365-01-591-5674	1BPK0	202368-02	SPACER, RING	2
18	PACDD		0EFD0	987-0008-553	PROCESSOR, GATEWAY	1
19	PACZZ	5310-00-209-1239	96906	MS35335-60	WASHER, LOCK	2
20	PACZZ	5365-01-591-5684	1BPK0	202368-08	SPACER, RING	2
21	PACZZ	5305-00-765-4257	80205	MS51959-43	SCREW, MACHINE	2
22	XCCCC		0EFD0	987-0008-552	INTERFACE UNIT, DATA TRANSFER	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
23	PACDD	6030-01-617-0105	1BPK0	215749-01	MODEM, FIBER OPTIC	1
24	XBCCC		0EFD0	987-0009-323	PANEL, CONTROL, ELECTRICAL	1
25	XBCCC		0EFD0	987-0009-367	MOUNTING BASE, ELECTRICAL	1
26	PACDD	7021-01-598-5527	67032	02-2854859-2AA	COMPUTER, DIGITAL	1
27	XBCZZ		0EFD0	987-0009-326	SHELF, ELECTRICAL	1
28	PACZZ	5305-00-079-5835	80205	MS24693-C50	SCREW, MACHINE	4
29	PACZZ	5310-01-352-9572	80205	NAS1149CN832R	WASHER, FLAT	4
30	PACZZ	5310-00-176-6333	0EFD0	MS17830-08C	NUT, SELF-LOCKING	4
31	XBCZZ	5340-01-595-4277	1BPK0	200733-01	PLATE, MOUNTING	2
32	XBCZZ		0EFD0	987-0009-327	PLATE, MOUNTING	1
33	XBCZZ		0EFD0	987-0009-324	PLATE, MOUNTING	1
34	PACZZ	5310-00-177-1332	80205	MS17830-04C	NUT, SELF-LOCKING	6
35	PACZZ	5340-01-561-4067	0U0W2	202990-01	CAP, PROTECTIVE, DUST	2
36	PACZZ	5935-01-576-8720	43321	ECF504-C3	CONNECTOR, RECEPTACLE, ELECTRICAL	2
37	PACZZ	5305-00-054-5651	96906	MS51957-17	SCREW, MACHINE	6
38	PACZZ	5340-01-589-3953	1BPK0	209477-01	CAP, PROTECTIVE, DUST	2
39	PACZZ	5935-01-565-9589	43321	ECF504-UABS	CONNECTOR, RECEPTACLE, ELECTRICAL	1
40	PACDD	5895-01-616-8680	0EFD0	987-0008-260	PROCESSOR, SIGNAL DATA	1
41	PACDD	7021-01-616-7749	0EFD0	987-0008-278	COMPUTER, DIGITAL	1
42	PACDD	6645-01-616-7897	0EFD0	987-0008-276	GENERATOR, TIME CODE	1
43	XBCCC		0EFD0	987-0008-421	POWER SUPPLY, UNINTERRUPTIBLE	1
44	PACZZ		0EFD0	205467-01	HANDLE	1
45	PACZZ		0EFD0	202970-01	COVER, ACCESS	1
46	PACZZ	5975-01-561-4260	3Y381	NSI1012M	PLATE, ELECTRICAL GROUNDING	1
47	XBCCC		0EFD0	987-0008-427	BRACKET, MULTIPLE ANGLE	1
48	PACZZ	6150-01-602-7190	65836	PDU1215	POWER STRIP, ELECTRICAL OUTLET	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
49	PACZZ		0EFD0	204001-82	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	2
50	PACZZ		0EFD0	204001-102	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	2
51	PACZZ		0EFD0	204008-14	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
52	PACZZ	5995-01-576-4768	1BPK0	204008-55	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
53	PACZZ		0EFD0	204008-69	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	2
54	PACZZ	5995-01-576-3426	1BPK0	204008-72	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	3
55	PACZZ	5995-01-589-1980	1BPK0	204008-76	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	2
56	PACZZ		0EFD0	204052-84	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
57	PACZZ		0EFD0	204008-96	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	6
58	PACZZ		0EFD0	204051-96	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
59	PACZZ	6150-01-593-8562	1BPK0	204052-102	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	5
60	PACZZ		0EFD0	204001-08	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
61	PACZZ		0EFD0	204054-78	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
62	PACZZ		0EFD0	204009-96	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
63	PACZZ		0EFD0	987-0009-230	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
64	PACZZ		0EFD0	204032-96	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
65	PACZZ		0EFD0	243244-96	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
66	PACZZ		0EFD0	204002-24	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
67	PACZZ		0EFD0	204051-76	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
68	PACZZ		0EFD0	227998-24	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
69	PACZZ		03NF8	002206312	CABLE ASSEMBLY, POWER, ELECTRICAL	1
70	PACZZ	6150-01-608-8617	1BPK0	215447-01	CABLE ASSEMBLY, POWER, ELECTRICAL	9
71	PACZZ		0EFD0	987-0009-319	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
END OF FIGURE						

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 030101, STT CONTROL AND IF MODULE**

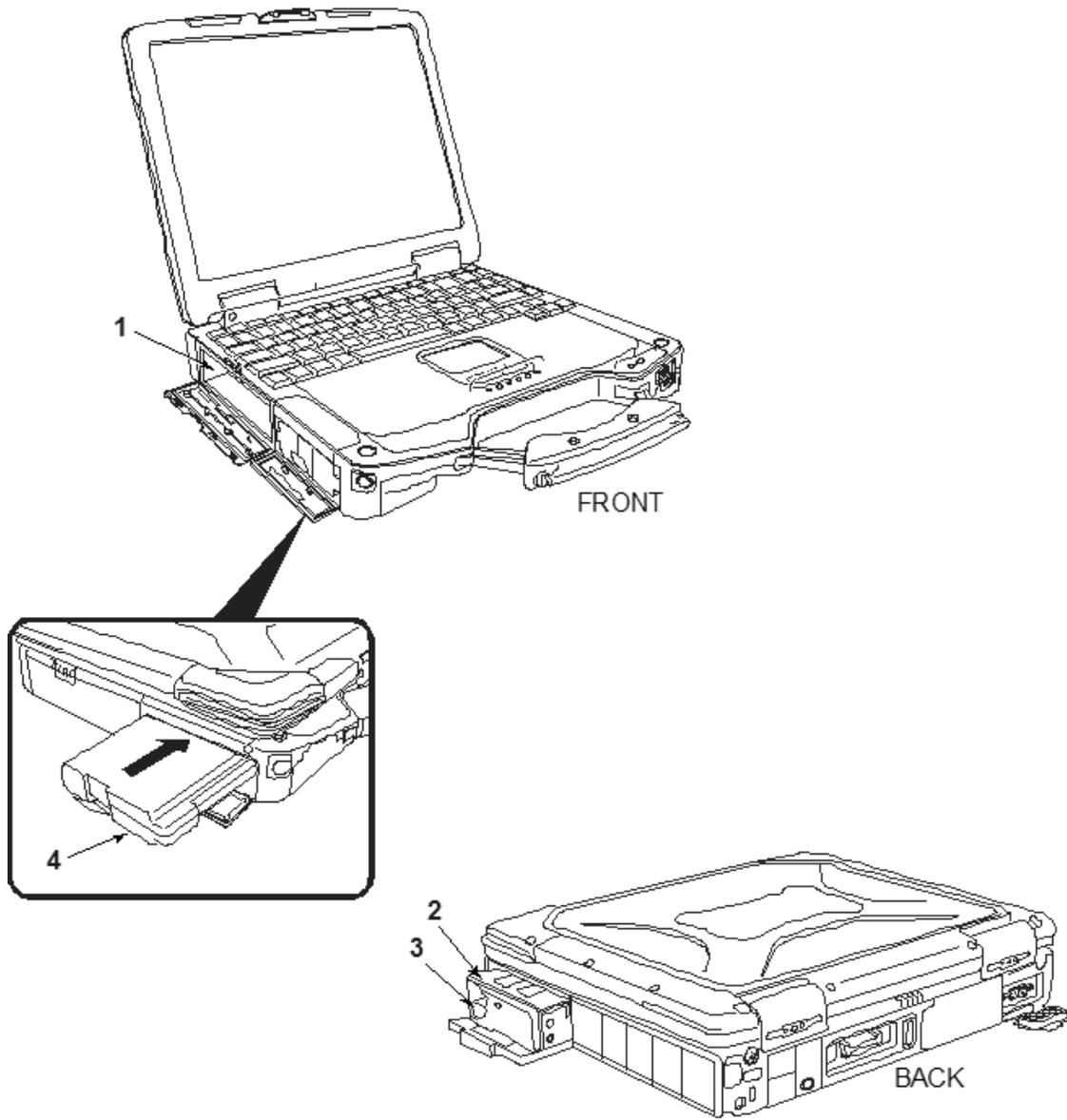


STTHP-030101-0001

Figure 40. Processor, Signal Data - Group 030101.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 030101, FIGURE 40; PROCESSOR,SIGNAL DATA, 987-0008-260 (A411)	
1	PACZZ	5920-01-591-1102	3L168	313002.P	FUSE, OPEN LINK	1
2	PACZZ	5920-01-591-1093	3L168	313003.P	FUSE, OPEN LINK	1
3	PACZZ		13499	265-1171-000	FUESHOLDER, EXTRACTOR POST	2
4	PACZZ	6150-01-608-8617	1BPK0	215447-01	CABLE ASSEMBLY, POWER, ELECTRICAL	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 030102, LAPTOP ASSEMBLY**

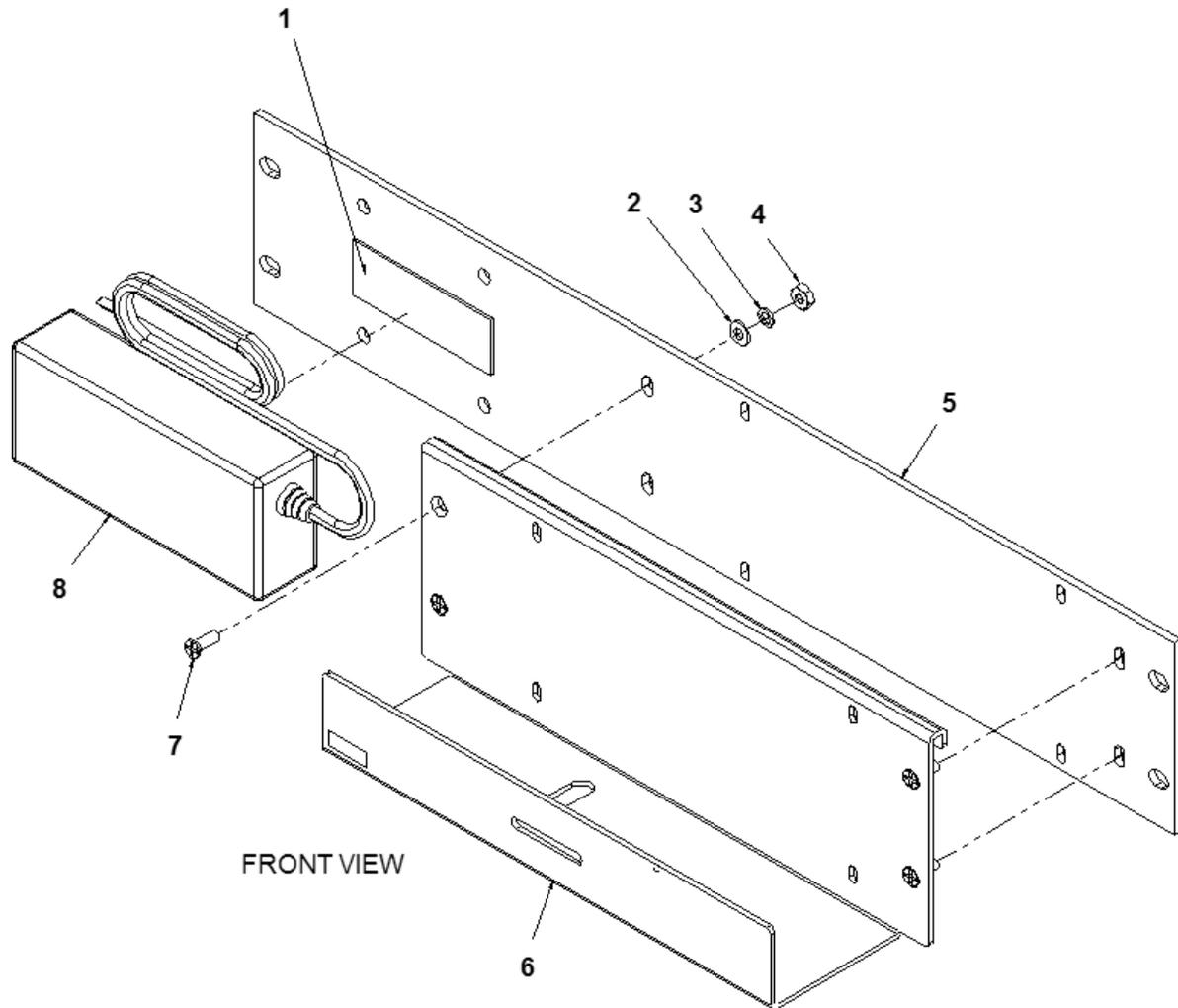


STHP-030102-0001

Figure 41. Computer, Digital - Group 030102.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 030102, FIGURE 41; COMPUTER,DIGITAL, 987-0008-278 (A412)	
1	PACZZ	7025-01-592-1686	61058	CF-VDM311U	DISK DRIVE UNIT	1
2	PACZZ		61058	DFHM0482	CASE, DISK DRIVE UNIT	1
3	PACZZ		61058	31GX1M	COMPUTER, SUBASSEMBLY	1
4	PCCZZ	6140-01-602-1832	61058	CF-VZSU46AU	BATTERY, STORAGE	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 030104, 28V DC POWER SUPPLY**



STTHP-030104-0001

Figure 42. Bracket, Multiple Angle - Group 030104 (Sheet 1 of 4).

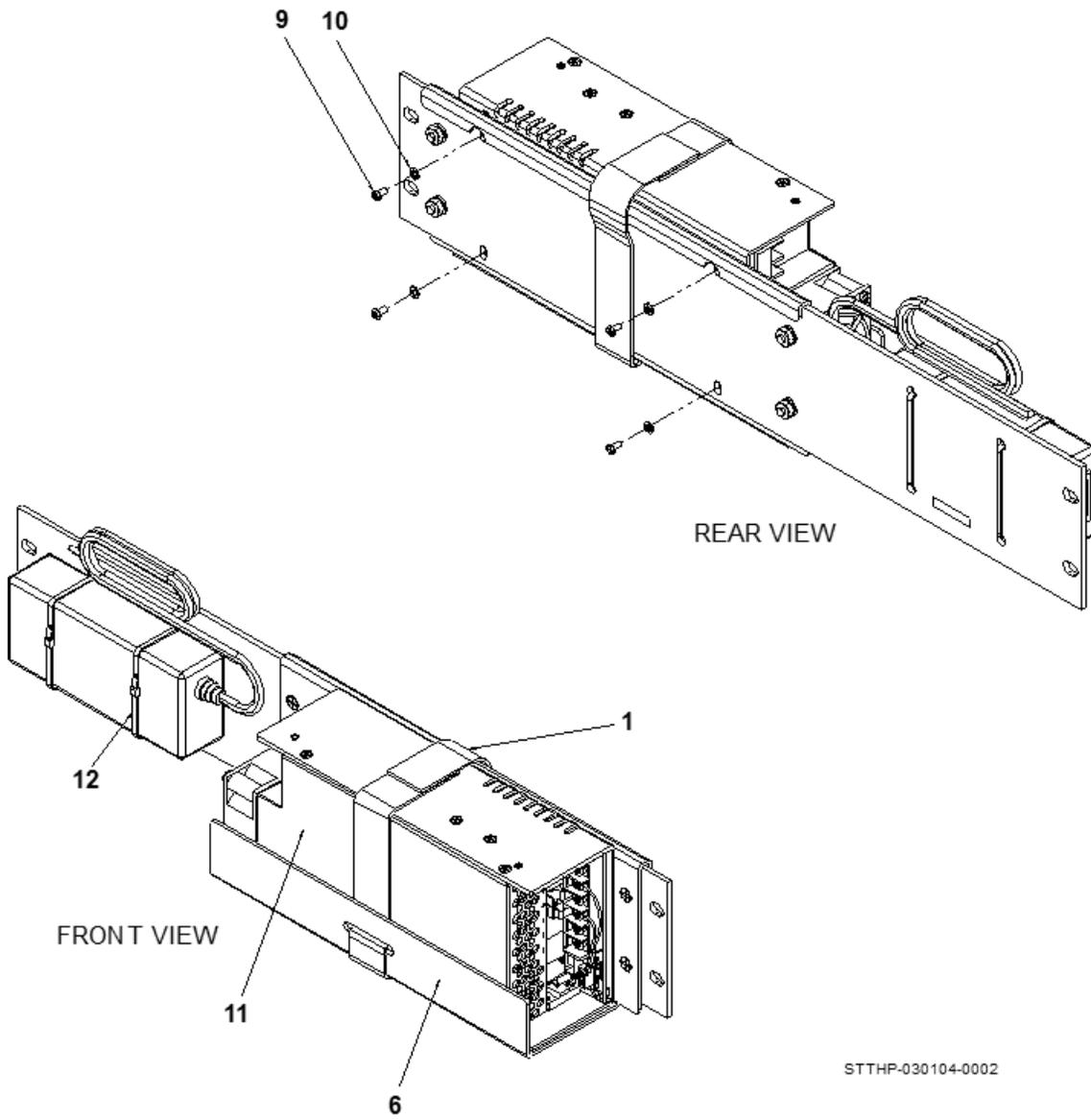
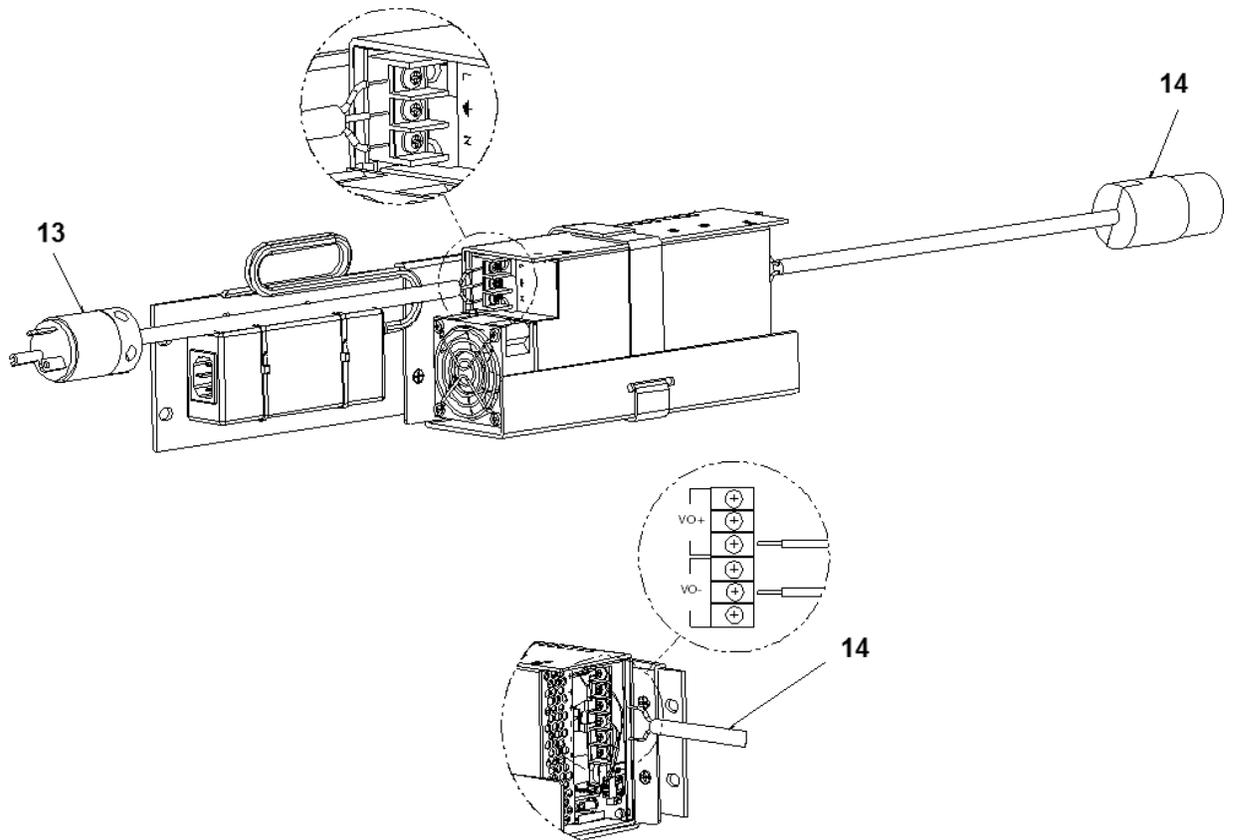
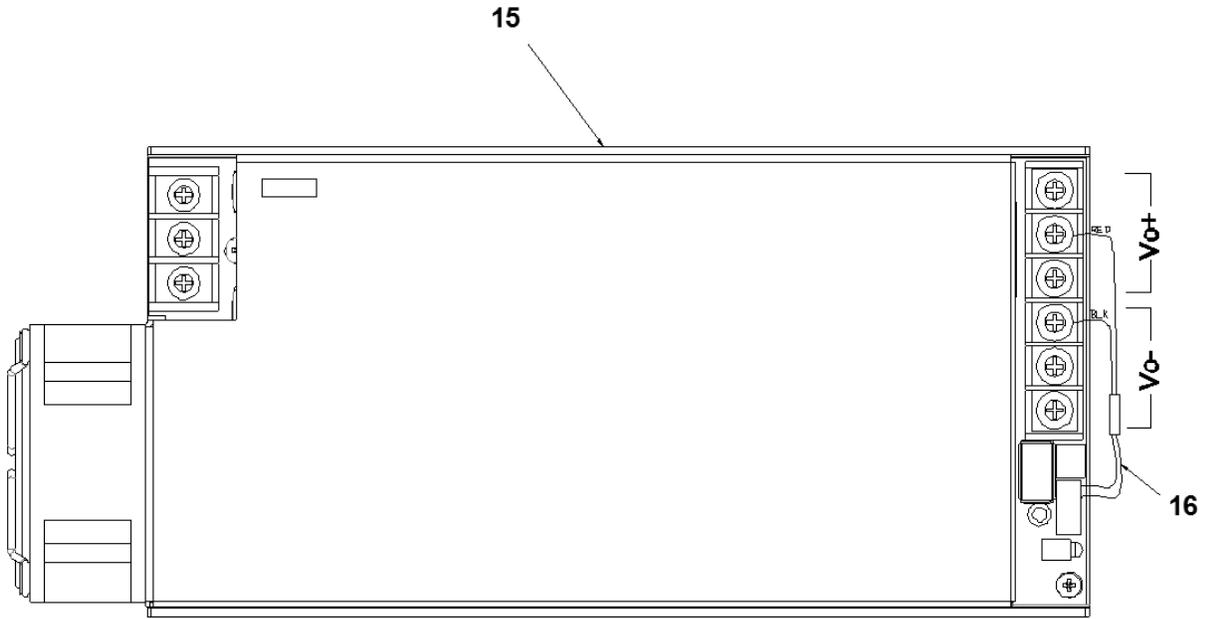


Figure 42. Bracket, Multiple Angle - Group 030104 (Sheet 2 of 4).



STTHP-030104-0003

Figure 42. Bracket, Multiple Angle - Group 030104 (Sheet 3 of 4).



STTHP-030104-0004

Figure 42. Bracket, Multiple Angle - Group 030104 (Sheet 4 of 4).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 030104, FIGURE 42; BRACKET,MULTIPLE ANGLE, 987-0008-427 (A416)	
1	PACZZ		0EFD0	297648-02	FASTENER TAPE, HOOK AND PILE	2
2	PACZZ	5310-01-352-9572	80205	NAS1149CN832R	WASHER, FLAT	4
3	PACZZ	5310-00-933-8119	80205	MS35338-137	WASHER, LOCK	4
4	PACZZ	5310-00-934-9759	80205	MS35649-284	NUT, PLAIN, HEXAGON	4
5	XBCZZ		0EFD0	987-0008-426	PLATE, MOUNTING	1
6	XBCZZ		0EFD0	987-0008-425	BRACKET, DOUBLE ANGLE	1
7	PACZZ	5305-00-764-0068	80205	MS51959-45	SCREW, MACHINE	4
8	PACZZ	6130-01-587-1468	0J4G8	CF-AA5713AM	POWER SUPPLY	1
9	PACZZ	5305-01-563-1382	39428	90116A153	SCREW, MACHINE	4
10	PACZZ		0EFD0	205217-1301-18	WASHER, LOCK	4
11	XBCCC		0EFD0	987-0009-246	POWER SUPPLY	1
12	PACZZ	5975-01-518-8341	06383	PLT2I-M0	STRAP, TIEDOWN, ELECTRICAL COMPONENTS	2
13	PACZZ		0EFD0	987-0009-224	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
14	PACZZ		0EFD0	987-0009-243	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
15	PACZZ		02929	SHP650PS28-EF	POWER SUPPLY	1
16	XBCZZ		0EFD0	987-0009-245	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 030105, UPS ASSEMBLY**

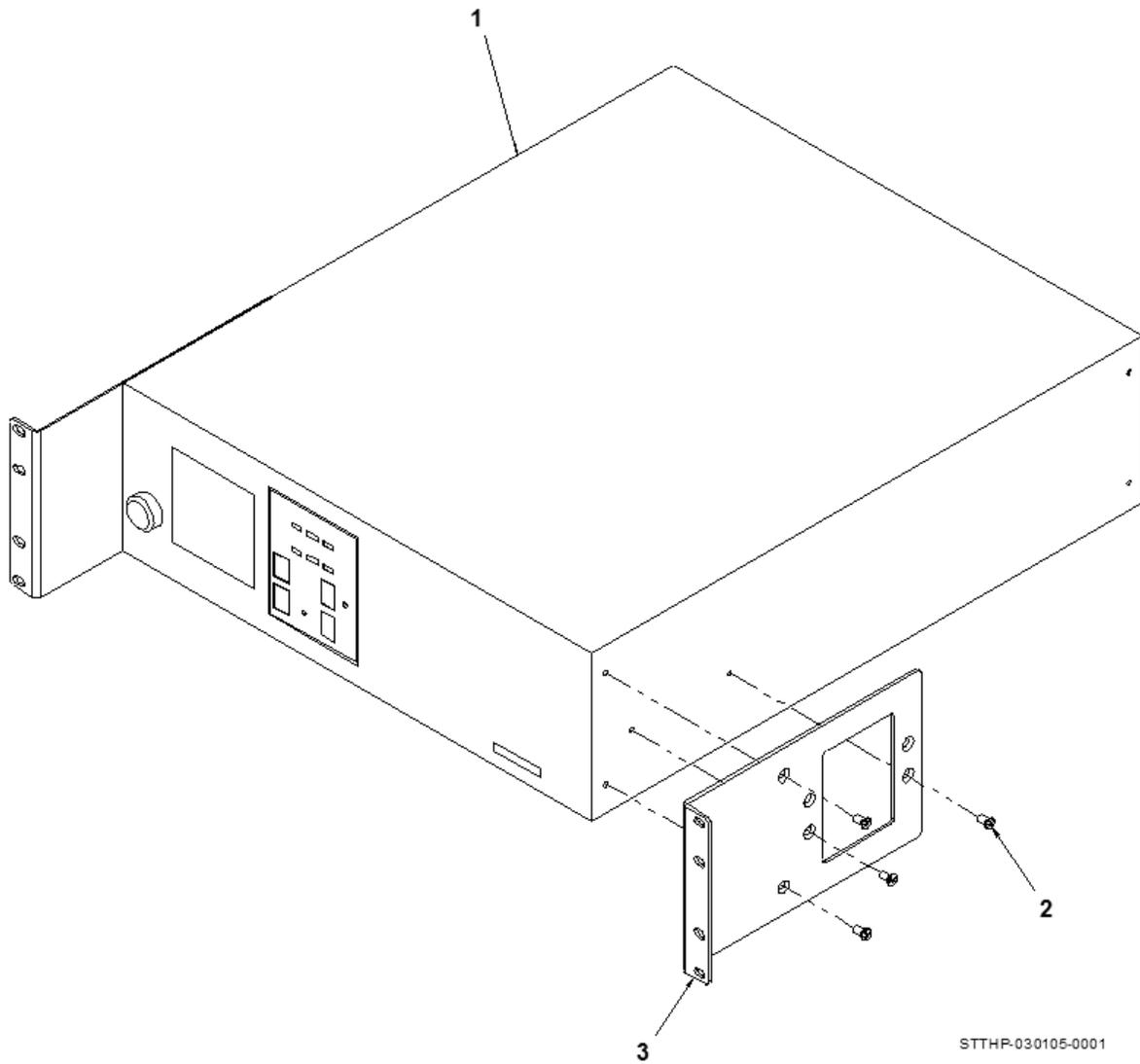
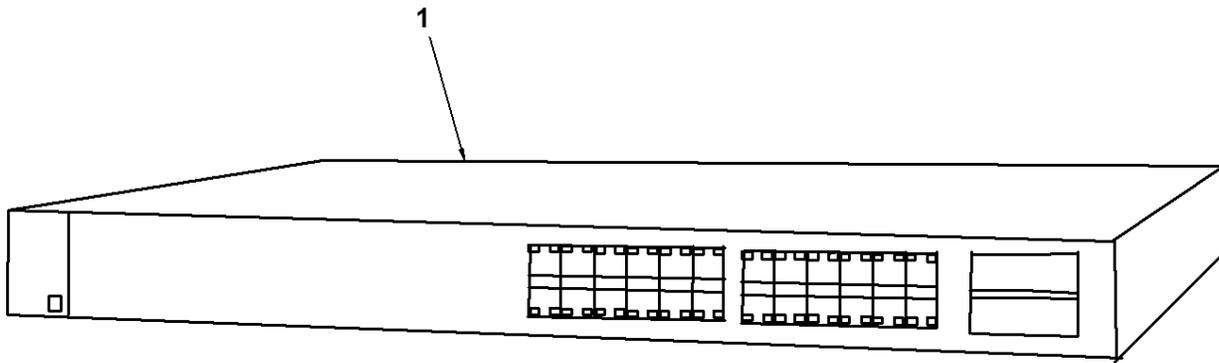


Figure 43. Power Supply, Uninterruptible - Group 030105.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 030105, FIGURE 43; POWER SUPPLY, UNINTERRUPTIBLE, 987-0008-421 (A417N)	
1	PACDD	6130-01-616-7899	0EFD0	EVP270-0001-130	POWER SUPPLY, UNINTERRUPTIBLE	1
2	PACZZ	5305-00-059-5433	96906	MS51960-62	SCREW, MACHINE	8
3	XBCZZ		0EFD0	987-0008-419	BRACKET, ANGLE	2
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 030109, SWITCH, 3560E ASSEMBLY**



STTHP-030109-0001

Figure 44. Interface Unit, Data Transfer - Group 030109

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PACDD	7025-01-587-7953	0GX96	WS-C3560E-24TD-S	GROUP 030109, FIGURE 44; INTERFACE UNIT, DATA TRANSFER, 987-0008-552 (A422) INTERFACE UNIT, DATA TRANSFER END OF FIGURE	1

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 030110, ROUTER, 2901 ASSEMBLY**

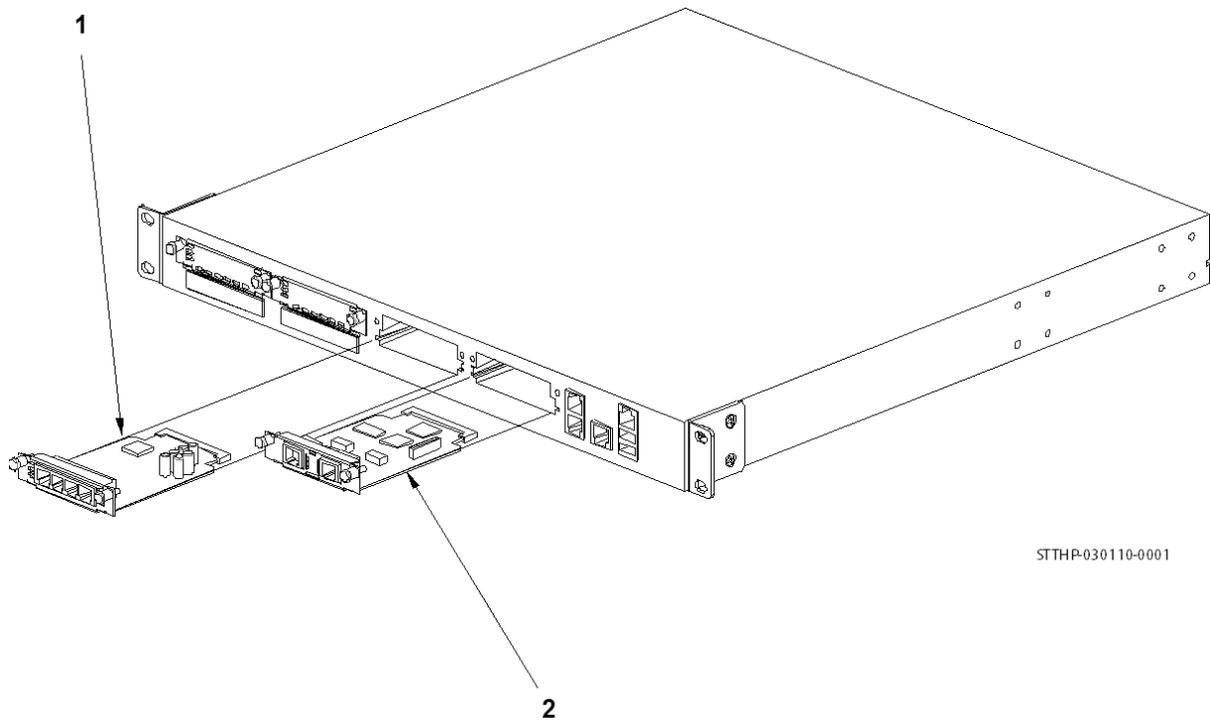


Figure 45. Processor, Gateway - Group 030110.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 030110, FIGURE 45; PROCESSOR, GATEWAY, 987-0008-553 (A424)	
1	PACZZ	7025-01-530-9901	0GX96	HWIC-4ESW	INTERFACE UNIT, AUTOMATIC DATA PROCESSING	1
2	PACZZ	7025-01-589-4115	03UZ7	VIC3-2FXS/DID	INTERFACE UNIT, AUTOMATIC DATA PROCESSING	1
					END OF FIGURE	

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
GROUP 030115, SOCKET WRENCH EXTENSION**

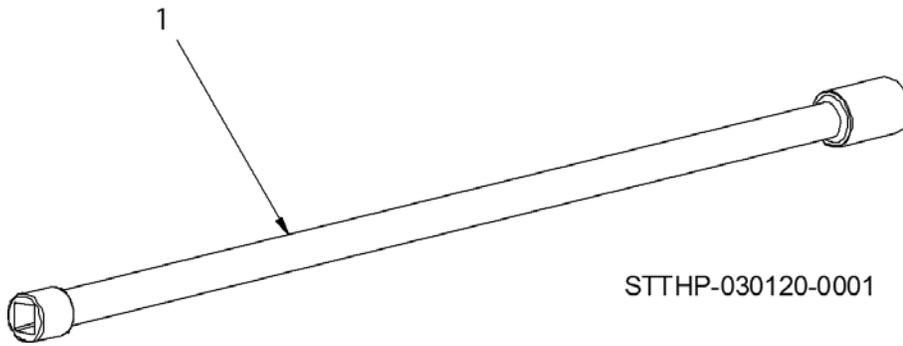


Figure 46. Socket Wrench Extension - Group 030120

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGE CODE	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
1	PACZZ		43WN8	182-034-001	GROUP 030120, FIGURE 46; SOCKET WRENCH EXTENSION EXTENSION, SOCKET WRENCH END OF FIGURE	1

**OPERATOR AND FIELD MAINTENANCE MANUAL
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
NATIONAL STOCK NUMBER (NSN) INDEX**

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-00-052-7495	6	15		35	18
5305-00-054-5649	34	28		39	34
5305-00-054-5651	39	37	5305-00-207-8253	6	4
5305-00-054-6670	5	3	5310-00-209-1239	39	19
	6	11	5305-00-225-3843	17	14
5305-00-054-6671	19	6		30	6
5305-00-059-3659	8	11	5305-00-225-7774	14	9
5305-00-059-3660	7	5	5306-00-226-4834	14	4
	17	44	5315-00-236-8365	6	7
	39	7	5310-00-241-6604	5	17
5305-00-059-3661	7	6		12	3
	19	3		25	7
	34	16		28	10
	39	14	5310-00-245-3419	5	10
5305-00-059-3662	22	2	5310-00-245-3423	18	7
5305-00-059-5433	43	2	5310-00-245-3615	12	12
5306-00-068-0514	23	13	5305-00-330-3748	35	26
	26	6	5306-00-543-4405	17	21
	35	19	5310-00-562-2826	23	12
5305-00-068-5415	34	21	5310-00-582-5677	6	5
5305-00-071-1323	39	16	5930-00-583-2705	37	4
5305-00-071-1324	35	12	5310-00-595-7421	5	8
5305-00-071-2515	6	33	5310-00-614-3505	6	23
5305-00-079-5835	39	28	5310-00-619-1148	7	1
5310-00-140-4894	27	4		17	46
5975-00-152-1144	28	13		19	1
5310-00-176-6333	19	10		22	3
	39	30		25	15
5310-00-176-6341	22	12		34	11
	34	15		35	11
5310-00-177-1332	34	25		39	5

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-00-625-5756	6	30	5310-00-984-7042	10	3
5305-00-702-4523	5	4		11	3
5306-00-720-8258	6	34	5305-00-988-7613	35	7
5310-00-722-5998	6	20	5305-00-988-7614	21	7
5305-00-764-0068	42	7		22	23
5305-00-765-4257	39	21		34	6
5305-00-781-3926	17	28	5305-00-988-7836	5	15
5310-00-782-1349	26	2	5305-00-990-6381	34	20
5305-00-782-9489	18	14	5305-01-020-7570	36	4
4730-00-795-6959	17	43	5310-01-033-8615	35	22
5310-00-830-5796	39	10	5310-01-110-7933	34	23
2910-00-845-6770	17	40	5340-01-617-0959	34	3
5340-00-900-4764	23	1	5925-01-213-8801	28	4
5310-00-929-6395	6	19	2940-01-226-2773	17	7
	22	10	5305-01-231-0602	34	24
	34	18	5940-01-263-7115	25	3
	36	3	5305-01-263-8181	22	9
5310-00-933-8118	35	20		27	6
5310-00-933-8119	42	3		34	12
5310-00-933-8120	8	12	5975-01-305-5099	17	32
	17	45	5210-01-336-5744	6	17
	19	2		29	7
	39	6	5310-01-338-4121	34	26
5310-00-933-8121	5	5		35	17
	14	13	5310-01-352-9572	5	1
	21	6		19	7
	22	22		39	29
	30	5		42	2
	34	5	5310-01-352-9588	22	11
	35	6		27	2
5310-00-934-9759	42	4		34	14
5310-00-934-9761	27	3		36	2
5305-00-938-7827	22	19	5305-01-388-5109	39	9
5305-00-949-9208	37	23	5310-01-389-6984	5	2
5305-00-959-1082	34	19	5310-01-395-4695	17	5
5310-00-974-6623	6	31		21	3

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-01-398-2189	6	24		17	25
4010-01-412-1282	5	9		18	13
4730-01-442-3393	17	38		21	9
5980-01-459-1848	7	3	5305-01-530-2631	6	18
5980-01-459-2073	7	7	7025-01-530-9901	45	1
5310-01-466-1914	22	4	5330-01-534-1972	17	18
	34	10	5305-01-546-9819	35	16
	35	10	5305-01-548-6408	37	12
5325-01-468-9368	8	10	5310-01-551-1113	12	9
2910-01-477-0840	17	56	5305-01-558-6716	15	3
5310-01-480-1328	17	57		17	34
	21	4		19	9
	30	4		29	8
4010-01-481-1699	8	13	5340-01-561-4067	39	35
5305-01-482-6298	10	2	5975-01-561-4260	39	46
	11	4	5340-01-561-4560	39	8
4730-01-483-8102	17	55	5340-01-561-6309	17	37
2590-01-484-0440	4	6	5305-01-563-1382	42	9
5310-01-485-9220	14	3	5935-01-565-9589	39	39
5310-01-489-5515	25	13	5305-01-566-8731	37	6
5315-01-496-7123	6	10	5310-01-569-7753	12	7
5310-01-511-4499	5	6	2990-01-571-2576	17	19
	17	4	5315-01-573-9372	6	12
	22	21	5995-01-576-3426	39	54
	25	6	5995-01-576-4768	39	52
	28	9	5935-01-576-8720	39	36
	34	4	6130-01-585-2251	35	14
	35	5	5340-01-586-7163	22	24
5305-01-516-3393	14	12	6130-01-587-1468	42	8
5935-01-518-5820	33	3	5935-01-587-2795	34	27
5310-01-518-7062	34	22		35	21
5975-01-518-8341	27	7	7025-01-587-7953	44	1
	30	2	4310-01-588-8471	17	12
	42	12	4130-01-589-0410	17	11
5985-01-521-1775	36	1	6685-01-589-1080	19	8
5310-01-527-3369	14	9	6625-01-589-1565	19	21

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
6140-01-589-1583	25	2	5935-01-595-4831	26	5
6240-01-589-1620	19	22	5895-01-596-5048	39	13
5995-01-589-1980	39	55	2990-01-597-6256	18	2
5920-01-589-2408	28	11	7021-01-598-5527	39	26
5925-01-589-2465	28	3	3120-01-598-8872	6	8
5930-01-589-3683	19	16	5306-01-599-0402	25	1
5340-01-589-3953	39	38	6140-01-602-1832	41	4
6240-01-589-4112	19	19	6150-01-602-7190	39	48
7025-01-589-4115	45	2	5985-01-604-2809	33	5
6685-01-589-5781	19	13	6150-01-608-8617	39	70
6240-01-589-5821	19	20		40	4
2910-01-590-0754	17	39	7021-01-616-7749	39	41
4930-01-590-1655	23	6	6105-01-616-7891	37	11
4330-01-590-2640	23	10	6645-01-616-7897	39	42
5920-01-591-1093	40	2	6130-01-616-7899	43	1
5920-01-591-1102	40	1	5985-01-616-8247	32	1
5355-01-591-2936	6	22	5430-01-616-8367	17	58
5331-01-591-5643	35	25	5895-01-616-8680	39	40
5331-01-591-5645	35	15	5998-01-616-8781	37	15
5330-01-591-5646	34	17	5998-01-616-8804	37	2
5365-01-591-5674	39	17	5998-01-616-8806	37	7
5365-01-591-5684	39	20	5998-01-616-9236	37	13
5340-01-591-7301	17	6	5985-01-616-9341	37	20
7025-01-592-1686	41	1	5996-01-616-9538	35	4
4730-01-592-5782	22	25	6105-01-617-0065	37	5
5340-01-592-8508	34	13	6030-01-617-0105	39	23
	35	24	5985-01-617-0282	32	2
5305-01-592-8611	37	10	6625-01-617-0330	33	1
5975-01-593-6393	28	5	6130-01-617-0342	34	8
6150-01-593-8562	39	59	5340-01-617-0959	34	3
5930-01-594-2398	19	17	5996-01-617-1623	34	2
5340-01-595-4277	39	31			

ND OF WORK PACKAGE

**OPERATOR AND FIELD MAINTENANCE MANUAL
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
PART NUMBER INDEX**

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
002206312	39	69	202990-01	39	35
008-585	22	15	202992-01	26	3
013-1981-010	36	1	202994-01	28	15
013-2048-030	35	8	204001-08	39	60
013-2048-040	34	3	204001-102	39	50
02-2854859-2AA	39	26	204001-18	33	06
1000-0001-7	39	13	204001-82	39	49
1008XUN-035989	34	8	204002-24	39	66
10-1000-107	20	1	204008-14	39	51
1173459	35	23	204008-55	39	52
120AT	17	56	204008-69	39	53
12449501	5	9	204008-72	39	54
12479188	4	6	204008-76	39	55
125	6	17	204008-96	39	57
	29	7	204009-96	39	62
128-1V04-830	39	15	204032-96	39	64
143SL	17	32	204051-76	39	67
154-2800	17	18	204051-96	39	58
155-2424	17	19	204052-102	39	59
182-034-001	46	1	204052-84	39	56
1UKIT-109	39	8	204054-78	39	61
200063-01	28	8	205073-01	7	2
200733-01	39	31	205217-1002-01	27	3
202102	34	13	205217-1201-32	22	2
	35	24	205217-1202-12	22	17
202368-02	39	17	205217-1203-04	25	16
202368-08	39	20	205217-1204-04	30	6
202628-01	29	04	205217-1204-09	28	14
202629-01	29	05	205217-1204-22	12	8
202665-01	15	02	205217-1254-02	21	10
202970-01	39	45			

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
205217-1301-18	42	10		10	1
205217-1303-01	12	4		11	1
205217-4001-01	17	30	209094-01	10	4
	25	14		11	2
205397-01	17	53	209096-01	17	33
205467-01	39	44	209109-01	5	26
205537-01	39	1	209112-01	28	7
205741-01	21	5	209114-01	23	4
205757-01	30	3	209117-01	13	1
205877-01	30	7	209146-02	3	2
206246-01	25	8	209160-02	16	5
206439-01	28	2	209162-01	29	6
206716-01	25	10	209166-02	17	35
207149-01	17	22	209172-01	5	23
207340-01	26	1	209194-01	25	4
207707-01	25	13	209209-02	8	8
208886-01	5	19	209219-01	7	8
209001-01	17	54	209220-01	7	4
209005-01	15	4	209477-01	39	38
209009-01	17	23	210015-01	25	9
209021-01	5	11	210022-01	25	12
209026-01	17	27	210404-01	14	10
209027-01	17	24		17	26
209028-01	14	5		21	8
209029-01	21	2	21113062	23	6
	22	18	215447-01	40	4
209041-01	21	8		39	70
209043-01	5	29	215523-01	18	5
209044-01	5	2	215524-01	18	6
209054-01	17	36	215525-01	17	15
209060-01	28	6	215749-01	39	23
209065-01	15	1	216710-01	18	11
209066-01	15	6	216711-01	18	10
209067-01	15	5	216712-01	18	9
209088-01	17	42	216713-01	18	17
209092-01	6	2	216714-01	18	15

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
216715-01	18	18	219611-01	5	14
217036-01	5	16	219612-01	5	13
217955-01	17	10	219615-01	5	12
217956-01	17	3	219618-01	23	8
218156-01	17	1	227997-216	31	4
218168-01	18	4	227998-24	39	68
218169-01	18	24	232168-01	6	3
218364-01	18	3	232169-01	6	16
218365-01	18	1	232170-01	6	13
218366-01	17	51	232171-01	6	6
	18	23	232173-01	6	26
218367-01	17	52	232174-01	6	21
218368-01	18	19	232175-01	6	1
218369-01	18	22	243-000-504	37	3
218370-01	18	8	243-046-001	37	22
219323-01	14	1	243-052-201	37	17
219324-01	14	11	243-070-001	37	8
219327-01	14	6	243-094-301	34	30
219328-01	14	7	243244-96	39	65
219329-01	21	1	265-1171-000	40	3
219330-01	8	1	294225-02	35	14
219331-01	8	2	297067-01	17	31
219334-01	8	6	297369-01	29	3
219335-01	8	7	297648-02	42	1
219336-01	9	1	297926-01	17	8
219337-01	4	1	297992-01	19	15
219355-01	4	3	298244-01	18	16
219356-01	29	1	298246-01	25	11
219361-01	3	3	298255-01	17	41
219368-01	8	3	298264-01	19	5
219550-01	8	4	298407-01	12	10
219551-01	8	5		14	2
219553-01	23	2		17	20
219554-01	23	9		18	12
219556-01	23	11	298829-01	18	20
219557-01	23	14	298830-01	18	21

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
298831-01	17	58		35	10
2MP-2FP-2MP	17	49	90116A153	42	9
30250R	7	3	90281A830	6	14
30250Y	7	7	90295A140	23	12
30345T24	8	13	90585A622	37	21
313002.P	40	1	90631A411	14	9
313003.P	40	2		17	25
31GX1M	41	3		18	13
31NLOC8Y	12	9		21	9
3225T28	22	24	90822A450	15	3
3918195-S	17	9		17	34
3918199-S	17	6		19	9
4429K368	17	47		29	8
4429K521	17	59	90905A655	8	10
45955K74	22	25	91259A123	9	3
4629K41	17	17	91259A839	9	2
5011T141	17	37	91286A201	14	12
5346K17	17	38	91292A117	34	24
53525K17	17	55	91400A148	6	18
5407K21	17	2	9171K16	17	48
541-0530	17	39	9171K72	17	50
5499K257	22	26	92186A834	6	25
6047K23	6	22	92196A113	35	16
701-106-301	37	15	92210A302	37	12
701-112-301	37	7	92210A540	37	6
701-113-301	37	13	92240A624	10	2
701-114-301	37	20		11	4
701-133-301	37	2	92360A134	34	31
728207	25	3	92415A125	12	6
7603C	34	27	92415A128	12	11
7603C	35	21	92511A049	5	18
8456K65	12	14	92949A108	34	32
8491A737	6	8	92949A146	37	1
90096A829	26	4	92949A194	37	19
90101A225	22	4	93298A110	6	29
	34	10	93475A230	34	22

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
93725K58	34	9	987-0008-251	1	2
93750A415	6	12	987-0008-252	31	1
94045K126	06	28	987-0008-253	31	2
94909A009	37	18	987-0008-254	31	3
950-0502-3.05	26	5	987-0008-255	1	1
95165A320	13	2	987-0008-256	2	2
96006A619	37	10	987-0008-257	2	1
96367A685	37	16	987-0008-258	1	3
97669A200	12	7	987-0008-259	38	1
97763A177	37	9	987-0008-260	39	40
97763A232	37	14	987-0008-276	39	42
98370A013	5	6	987-0008-278	39	41
	17	4	987-0008-279	33	4
	22	21	987-0008-280	24	1
	25	6	987-0008-283	16	1
	28	9	987-0008-285	4	4
	34	4	987-0008-286	5	24
	35	5	987-0008-287	5	25
98416A211	17	16	987-0008-288	5	7
98497A664	8	9	987-0008-290	4	2
98497A686	8	14	987-0008-294	3	5
987-0002-059	6	9	987-0008-295	4	5
987-0002-072	39	12	987-0008-296	19	11
987-0002-073	39	11	987-0008-297	19	4
987-0002-074	39	2	987-0008-298	16	4
987-0002-075	39	4	987-0008-299	3	1
987-0002-076	39	3	987-0008-418	35	9
987-0007-437	5	22	987-0008-419	43	3
987-0007-438	5	27	987-0008-421	39	43
987-0007-624	34	7	987-0008-425	42	6
987-0007-627	35	03	987-0008-426	42	5
987-0007-628	35	27	987-0008-427	39	47
987-0008-039	35	13	987-0008-536	19	12
987-0008-218	23	7	987-0008-537	17	13
987-0008-219	23	15	987-0008-541	24	4
987-0008-221	23	5	987-0008-542	24	2

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
987-0008-545	29	2	987-0009-245	42	16
987-0008-546	16	2	987-0009-246	42	11
987-0008-552	39	22	987-0009-258	34	36
987-0008-553	39	18	987-0009-258	35	2
987-0008-556	17	29	987-0009-319	39	71
987-0008-557	29	9	987-0009-323	39	24
987-0008-562	2	3	987-0009-324	39	33
987-0008-563	2	4	987-0009-326	39	27
987-0008-566	32	2	987-0009-327	39	32
987-0008-567	32	1	987-0009-367	39	25
987-0008-586	22	13	98760A111	25	1
987-0008-587	22	16	9AFG15099	37	11
987-0008-588	22	14	AF-25550	17	12
987-0008-590	24	3	AF-25967	17	11
987-0008-592	22	1	AMC-OR-206-H-S	34	17
987-0008-593	22	5	AMC-OR-208-S	35	15
987-0008-594	22	7	AMC-OR-209-S	35	25
987-0008-595	22	6	ASC710KU-RC	33	1
987-0008-596	22	8	B1821BH025C300N	6	33
987-0008-597	22	20	B1821BH031C225N	14	4
987-0008-600	3	4	B1821BH038C275N	17	28
987-0008-602	12	2	B2-H16	17	43
987-0008-603	12	13	BA20	33	3
987-0008-605	12	1	BPF-SI-465	22	27
987-0008-606	12	5	BZ-2RW82255-A2-S	37	4
987-0008-617	32	3	CF-AA5713AM	42	8
987-0008-696	34	1	CF-VDM311U	41	1
987-0009-210	30	1	CF-VZSU46AU	41	4
987-0009-224	42	13	CL-160-PHR-5	6	27
987-0009-230	39	63	D70336/1-20	34	23
987-0009-232	27	5	DFHM0482	41	2
987-0009-233	25	0	ECF504-C3	39	36
987-0009-235	23	3	ECF504-UABS	39	39
987-0009-238	16	3	EVP270-0001-070	34	2
987-0009-242	27	1	EVP270-0001-080	35	4
987-0009-243	42	14	EVP270-0001-130	43	1

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
F520-K1K1-180	33	2	MS17829Z4C	17	5
FC400	23	1		21	3
FF149	17	40	MS17829Z5C	14	3
FP180	23	10	MS17830-010F	25	13
HLTP3I-X0	34	37	MS17830-04C	34	25
	35	1		35	18
HWIC-4ESW	45	1		39	34
MS15795-804	26	2	MS17830-06C	22	12
MS15795-805	6	20		34	15
MS15795-808	7	1	MS17830-08C	19	10
	19	1		39	30
	17	46	MS17830-10C	6	24
	22	3	MS17830-4C	5	17
	25	15		12	3
	34	11		25	7
	35	11		28	10
	39	5	MS20392-7P81	6	10
MS15795-810	6	5	MS24665-380	6	7
MS15795-812	6	30	MS24671-10	37	23
MS15795-820	6	23	MS24671-31	22	19
MS16995-11	26	6	MS24693-C50	39	28
	35	19	MS35307-306	5	4
MS16995-12	35	26	MS35307-308	6	4
MS16995-18	34	19	MS35307-334	17	21
MS16995-19	34	20	MS35307-344	6	32
MS16995-20	34	21	MS35335-60	39	19
MS16995-49	35	7	MS35338-135	35	20
MS16995-50	21	7	MS35338-136	6	19
	22	23		22	10
	34	6		34	18
MS16995-55	5	15		36	3
MS16995-87	6	15	MS35338-137	5	2
MS16996-24	14	8		42	3
MS17829-10C	5	10	MS35338-138	8	12
MS17829-7C	18	7		19	2
MS17829-8C	5	8		17	45

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
	39	6		39	14
MS35338-139	5	5	MS51958-66	22	2
	14	13	MS51959-43	39	21
	21	06	MS51959-45	42	7
	22	22	MS51960-62	43	2
	30	5	MS51960-63L	39	9
	34	5	MS51960-66	39	16
	35	6	MS51960-67	35	12
MS35338-140	6	31	MS90727-7	23	13
MS35338-141	10	3	MS90728-66	18	14
	11	3	MS90728-8	17	14
MS35649-2314	12	12	MW22B-2982-1K	34	29
MS35649-264	27	3	NAS1149CN432R	34	26
MS35649-284	42	4		35	17
MS51412-4A	17	57	NAS1149CN632R	22	11
	21	4		27	2
	30	4		34	14
MS51848-50	35	22		36	2
MS51859-3	27	4	NAS1149CN832R	5	1
MS51957-15	34	28		19	7
MS51957-17	39	37		39	29
MS51957-29	36	4		42	2
MS51957-30	22	9	NC-301	28	13
	27	6	NC-302	28	5
	34	12	NSI1012M	39	46
MS51957-45	5	3	P0001740100	18	2
	6	11	P0086/300-217-701	37	24
MS51957-46	19	6	P0409	37	5
MS51958-63	8	11	P7006-1032EG	39	10
MS51958-64	7	5	PC168	19	19
	17	44	PDU1215	39	48
	39	07	PLT2I-M0	27	7
MS51958-65	7	6		30	2
	19	3		42	12
	34	16	PPS312-1AG-014V-W6	19	14

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
QO125	28	3	R7782	19	22
QO130	28	4	RBX00-2251	17	7
QO2175SB	28	11	SC2-52	34	34
QO240	28	12	SC34U	25	02
QO816L100DS	28	1	SHP650PS28-EF	42	15
P32A28-72	34	35	SM4226	33	5
P32S26-40	34	33	TCG200	33	7
R6721	19	8	V1DAB60B-CMC	19	17
R6750	19	13	V1DAB60B-CTC	19	16
R6760	19	21	VIC3-2FXS/DID	45	2
R6791	19	18	WS-C3560E-24TD-S	44	1
R7780	19	20			

END OF WORK PACKAGE

CHAPTER 7
SUPPORTING INFORMATION

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
SUPPORTING INFORMATION**

This work package contains a tabular list (Table 1) of supporting information included in this manual for the Satellite Transportable Terminal - High Power (STT-HP).

Table 1. STT-HP Supporting Information.

ITEM	WORK PACKAGE
References	WP 0233
Maintenance Allocation Chart	WP 0234
Components of End Item and Basic Issue Items (BII)	WP 0235
Expendables and Durables Items List	WP 0236

END OF WORK PACKAGE

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
REFERENCES**

This work package lists forms and miscellaneous publications referenced in this manual.

FORMS

SF 368 (Product Quality Deficiency Report)

DA Form 2028 (Recommended Changes to Publications and Blank Forms)

FIELD MANUALS

C1 FM4-25.11 (First Aid for Soldiers)

NTRP 4.02.-1-1

AFMAN 44-163 (I)

MCRP 3-02G

TM 9-6115-769-10

TM 9-6115-769-23&P (Generator Set, Diesel Engine 7.5 KW PU-835/T (60 Hz)

TM 9-4120-438-13&P (Air Conditioner 6K BTU HD-1250/T (115V, 50/60 Hz)

OTHER PUBLICATIONS

DOD Directive 5230.25

END OF WORK PACKAGE

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
MAINTENANCE ALLOCATION CHART**

MAINTENANCE ALLOCATION CHART (MAC)**INTRODUCTION****The Army Maintenance System MAC**

This introduction provides a general explanation of all maintenance and repair functions authorized at the two maintenance levels under the Two-Level Maintenance System concept.

This MAC (immediately following the introduction) designates overall authority and responsibility for the performance of maintenance functions on the identified end item or component. The application of the maintenance functions to the end item or component shall be consistent with the capacities and capabilities of the designated maintenance levels, which are shown on the MAC in column (4) as:

Field – includes two subcolumns, Crew (C) and Maintainer (F).

Sustainment – includes two subcolumns, Below Depot (H) and Depot (D)

The maintenance to be performed at field and sustainment is described as follows:

1. Crew maintenance. The responsibility of a using organization to perform maintenance on its assigned equipment. It normally consists of inspecting, servicing, lubricating, adjusting, and replacing parts, minor assemblies, and subassemblies. The replace function for this level of maintenance is indicated by the letter "C" in the third position of the SMR code. A "C" appearing in the fourth position of the SMR code indicates complete repair is possible at the crew maintenance level.
2. Maintainer maintenance. Maintenance accomplished on a component, accessory, assembly, subassembly, plugin unit, or other portion either on the system or after it is removed. The replace function for this level of maintenance is indicated by the letter "F" appearing in the third position of the SMR code. An "F" appearing in the fourth position of the SMR code indicates complete repair is possible at the field maintenance level. Items are returned to the user after maintenance is performed at this level.
3. Below depot sustainment. Maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion either on the system or after it is removed. The replace function for this level of maintenance is indicated by the letter "H" appearing in the third position of the SMR code. An "H" appearing in the fourth position of the SMR code indicates complete repair is possible at the below depot sustainment maintenance level. Items are returned to the supply systems after maintenance is performed at this level.
4. Depot sustainment . Maintenance accomplished on a component, accessory, assembly, subassembly, plug-in unit, or other portion either on the system or after it is removed. The replace function for this level of maintenance is indicated by the letter "D" or "K" appearing in the third position of the SMR code. Depot sustainment maintenance can be performed by either depot personnel or contractor personnel. A "D" or "K" appearing in the fourth position of the SMR code indicates complete repair is possible at the depot sustainment maintenance level. Items are returned to the supply systems after maintenance is performed at this level.

The tools and test equipment requirements table (immediately following the MAC) lists the tools and test equipment (both special tools and common tool sets) required for each maintenance function as referenced from the MAC.

The remarks table (immediately following the tools and test equipment requirements) contains supplemental instructions and explanatory notes for a particular maintenance function.

Maintenance Functions

Maintenance functions are limited to and defined as follows:

1. **Inspect.** To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel). This includes scheduled inspection and gaugings and evaluation of cannon tubes.
2. **Test.** To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards on a scheduled basis, i.e., load testing of lift devices and hydrostatic testing of pressure hoses.
3. **Service.** Operations required periodically to keep an item in proper operating condition; e.g., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases. This includes scheduled exercising and purging or recoil mechanisms. The following are examples of service functions:
 - a. **Unpack.** To remove from packing box for service or when required for the performance of maintenance operations.
 - b. **Repack.** To return item to packing box after service and other maintenance operations.
 - c. **Clean.** To rid the item of contamination.
 - d. **Touch up.** To spot paint scratched or blistered surfaces.
 - e. **Mark.** To restore obliterated identification.
4. **Adjust.** To maintain or regulate, with prescribed limits, by bringing into proper position, or by setting the operating characteristics to specified parameters.
5. **Align.** To adjust specified variable elements of an item to bring about optimum or desired performance.
6. **Calibrate.** To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. Consists of comparisons of two instruments, one of which is certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.
7. **Remove/Install.** To remove and install the same item when required to perform service or other maintenance functions. Install is the act of emplacing, seating, or fixing into position a spare, repair part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.
8. **Paint (ammunition only).** To prepare and spray color coats of paint so that the ammunition can be identified and protected. The color indicating primary use is applied, preferably, to the entire exterior surface as the background color of the item. Other markings are to be painted as original so as to retain proper ammunition identification.
9. **Replace.** To remove an unserviceable item and install a serviceable counterpart in its place. "Replace" is authorized by the MAC and assigned maintenance level is shown as the third position code of the Source, Maintenance and Recoverability (SMR) code.
10. **Repair.** The application of maintenance services, including fault location/troubleshooting, removal/installation, disassembly/assembly procedures, and maintenance actions to identify troubles and restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.

NOTE

The following definitions are applicable to the "repair" maintenance function:

Services. Inspect, test, service, adjust, align, calibrate, and/or replace.

Fault location/troubleshooting. The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT).

Disassembly/assembly. The step-by-step breakdown (taking apart) of a spare/functional group coded item to the level of its least component, that is assigned an SMR code for the level of maintenance under consideration (i.e., identified as maintenance significant).

Actions. Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing

11. Overhaul. That maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in appropriate technical publication. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to a like-new condition.
12. Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like-new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours, miles) considered in classifying Army equipment/components.

EXPLANATION OF COLUMNS IN THE MAC

Column (1) Group Number. Column (1) lists Functional Group Numbers (FCG), the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA).

Column (2) Component/Assembly. Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

Column (3) Maintenance Function lists the functions to be performed on the item listed in column 2.

Column (4) Maintenance Level. Column (4) specifies by the listing of a work time figure in the appropriate sub-column(s); the lowest level of maintenance authorized to perform the function listed in column (3). This figure represents the active time required to perform that maintenance function at the indicated level of maintenance. If the number of complexity of tasks within the listed maintenance function varies, at different maintenance levels, appropriate worktime figures will be shown for each level. The worktime figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or system) to a serviceable condition and typical field operating conditions. This time includes preparation time, (including necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance/quality control time in addition to the time required to perform the specific tasks identified for the maintenance function authorized in the maintenance allocation chart. The symbol designations for the various maintenance levels are as follows:

Field:

C Crew maintenance

F Field maintenance

Sustainment:

L Specialized Repair Activity (SRA)

H Below depot maintenance

D Depot maintenance

NOTE

The "L" maintenance level is not included in column (4) of the MAC. Functions to this level of maintenance are identified by a work time figure in the "H" column of column (4), and an associated reference code is used in the REMARKS column (6). This code is keyed to the remarks and the SRA complete repair application is explained there.

Column (5) Tool or Test Equipment Reference Code. Column (5) specifies by code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TDME), and special tools, special TDME and special support equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table.

Column (6) Remarks Code. When applicable, this column contains a letter code, in alphabetical order, which is keyed to the remarks table entries.

Explanation of Columns in the Tools and Test Equipment Requirements

Column (1) Tool or test Equipment Reference Code. The tool or test equipment reference code correlates with a code used in the MAC.

Column (2) Nomenclature. This column lists the name and nomenclature of the tools and test equipment reference code correlates with a code used in the MAC.

Column (3) Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment.

Column (4) National Stock Number (NSN). This column lists the National/NATO stock number of the specified tool or test equipment.

Column (5) Tool Number. This column lists the manufacturer's part number of the tool followed by the Federal Supply Code for Manufacturer's code (five digit) in parenthesis.

Explanation of Columns in the Remarks

Column (1) Remarks Code. This code refers to the appropriate item in column (6) of the MAC.

Column (2) Remarks. This column provides the required explanatory information necessary to clarify items appearing in the MAC.

Table 1. MAC for STT-HP.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
00	SATELLITE TRANSPORTABLE TERMINAL (HIGH POWER)	INSPECT	0.2				A,G,BX	
		TEST	0.5				H	
		REPLACE	0.2					
		REPAIR	0.5			1,2	R	
01	TRAILER SUBSYSTEM	REPAIR			60		BT	
		INSPECT	0.2				F,G,BX	
		TEST	0.2				I	
		REPAIR	0.5			1,2	O,BG,BP	
		REPAIR			60		BT	
0101	MECHANICAL FRAME & PACKAGING SUB-SYSTEM	INSPECT	0.2				F	
010101		TRAILER FRAME, ASSEMBLY STT-HP	INSPECT	0.2			F,BX	
		REPAIR	0.4			1,2	BW	
		REPAIR		0.5		1,2	AX,AY,AZ, BA,BB,BC, BD,BF,BQ, BY,BZ	
01010101	ANT SUPPORT TOWER, STT-HP	REPAIR			60		BT	
		INSPECT	0.2				F	
		REPLACE		0.4		2	CU	
		REPAIR			60		BT	
01010102	HAND BRAKE ASSEMBLY	INSPECT	0.1				F	
		TEST	0.2				Q	
		REPAIR	0.3			2	BW	
		REPLACE	0.2			2		
01010103	FRONT OUTRIGGER ASSY	INSPECT	0.2				F	
		TEST	0.2				Q	
		REPAIR	0.4			2	BE,CR,CS	
		REPLACE	0.4			2		
01010104	LIGHTING KIT, TRAILER	INSPECT	0.2				F	
		REPLACE	0.2			2		
		REPAIR	0.4			2		

Table 1. MAC for STT-HP - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
01010105	OUTRIGGER ASSY - SIDE, LEFT, RIGHT, STT	INSPECT	0.2				F	
		TEST	0.2				Q	
		REPAIR	0.4			2	BD	
		REPLACE	0.4			2		
0101010501	UPPER SIDE OUTRIGGER BLOCK	INSPECT	0.1				F	
		TEST	0.1				Q	
		REPAIR	0.3			2	BE,CR,CS	
		REPLACE	0.4			2		
0101010502	SIDE OUTRIGGER LEG -STREET-SIDE	INSPECT	0.1				F	
		TEST	0.1				Q	
		REPAIR	0.3			2	BE,CR,CS	
		REPLACE	0.4			2		
0101010503	SIDE OUTRIGGER LEG -CURB-SIDE	INSPECT	0.1				F	
		TEST	0.1				Q	
		REPAIR	0.3			2	BE,CR,CS	
		REPLACE	0.4			2		
010102	FUEL CELL MOUNTING	INSPECT	0.1				F	
		REPAIR	0.4			2		
		REPLACE	0.4			2		
010103	SAND SHOE ASSY	INSPECT	0.1				F	
		REPAIR	0.2			1	CM	
		REPLACE	0.2			1		
010104	GENERATOR MOUNT ASSY	INSPECT	0.1				F	
		REPAIR		0.4		2		
		REPLACE		0.4		2		
010105	REAR JACK ASSY	INSPECT	0.2				F	
		TEST	0.2				Q	
		REPAIR	0.4			2		
		REPLACE	0.4			2		
0102	ECU AND POWER SYSTEM	INSPECT	0.2				A,D,BX	
		TEST	0.2				Q	

Table 1. MAC for STT-HP - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
010201	GENSET ASSEMBLY, STT-HP	INSPECT	0.2				A,D,BX	
		TEST	0.2				Q	
		REPAIR		0.4			2	
01020101	GENSET -DIESEL, 7_5KVA	REPAIR			60		BT	
		INSPECT	0.2				A,D,BX	
		SERVICE		1			1	B
		TEST	0.2					K
		REPAIR		2.5			1,2	C,T,AD,AJ, AK,AL,AM, AN,AR,AQ, AW,BV,CO
01020102	OILMATE KIT	REPLACE		5		1,2,4		
		REPAIR			60		BT	
		INSPECT	0.1				F	
0102010201	OIL TANK, LIQUID, STORAGE	REPAIR		0.3		1	CV	
		REPLACE		0.3		1,2		
		INSPECT	0.1				F	
01020103	GAUGE BOX, ASSY	REPLACE	0.3			1,2		
		INSPECT	0.1				F	
010202	ECU ASSEMBLY	TEST	0.2				Q	
		REPAIR	0.4			1	AE,AF,AG, AH,AI,AT, AU,AO,BH, BI,BO	
		REPLACE	0.8			1,2		
		INSPECT	0.1				D,BX	
		SERVICE		0.2		1	CE	
		TEST	0.2				K	
		REPAIR		0.3		1	CN	
010203	LOWER AC MOUNT	REPLACE		0.5		1,2		
		REPAIR			60		BT	
		INSPECT	0.1				F	
010204	UPPER AC MOUNT	REPAIR		0.5		2		
		REPLACE		0.5		2		
		INSPECT	0.1				F	
010205	FUEL TANK, LIQUID, STORAGE	REPAIR		0.5		2		
		REPLACE		0.5		2		
		INSPECT	0.1				F	
		REPAIR	0.3				AS,CV,CX, CW	
		REPLACE	0.2			1,2		

Table 1. MAC for STT-HP - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
0103	MECH AND ELEC SUB SYSTEM	INSPECT	0.2				F	
		TEST	0.3				Q	
		REPAIR	0.4			2		
010301	GENSET BATTERY ASSY	INSPECT	0.1				F	
		TEST	0.2				Q	
		REPLACE	0.2			1		
		REPAIR	0.2			1,2		
010302	TFOCA ASSEMBLY	INSPECT	0.1				F	
		TEST	0.2				Q	
		REPLACE	0.3			1		
		REPAIR	0.3			1		
010303	ENCLOSURE HARDWARE KIT	INSPECT	0.2				F	
		REPLACE	0.3			1		
		REPAIR	0.3			1		
010304	BREAKER BOX ASSY	INSPECT	0.2				F	
		REPAIR	0.2			1,2	Z,AA,AB,AC	
		REPLACE	0.3			1		
0104	MECHANICAL SUB-SYSTEMS, PUNCH	INSPECT	0.2				F	
		REPAIR	0.2			2		
010401	BRACKET ASSEMBLY, FIRE EXTINGUISHER	INSPECT	0.1				F	
		REPAIR	0.1			2		
		REPLACE	0.1			2		
02	ANTENNA SUBSYSTEM	INSPECT	0.2				F,BX	
		TEST	0.5				K,BU	
		REPAIR	0.5			1		
0201	RF SUBSYSTEM	INSPECT	0.2				D,F	
		TEST	0.2			3	BU	
		REPAIR	0.2			1		
020101	LOOP TEST TRANSLATOR KIT	INSPECT	0.1				F	
		TEST	0.2				Q	
		REPLACE	0.2			1		
		REPAIR				60	BT	

Table 1. MAC for STT-HP - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
02010101	LOOP TEST TRANSLATOR ASSY	INSPECT	0.1				F	
		TEST	0.2				Q	
		REPLACE	0.2			1		
02010102	TRANSLATOR LOOP TEST, KU BAND, RACK MOUNT	REPAIR			60		BT	
		INSPECT	0.1				F	
		TEST	0.2				Q	
020102	KU-BAND FEED ASSEMBLY	REPLACE	0.2			1		
		REPAIR			60		BT	
		INSPECT	0.1				F	
02010201	KU-BAND HPA ASSEMBLY	TEST	0.2				BU	
		REPAIR	0.3			1	U,W,BK,BL, BS,CF	
		REPLACE	0.3			1		
02010202	LNB, KU-BAND	REPAIR			60		BT	
		ADJUST	0.2				BS	
		REPLACE	0.5			1		
02010203	KU FEED TRAY ASSEMBLY	REPAIR			60		BT	
		REPLACE	0.2			1		
		INSPECT	0.1				F	
020103	FEED ASSEMBLY KA-BAND	REPAIR			60		BT	
		REPLACE	0.2			1		
		REPAIR	0.3			1	W,BM,BN, CG	
		REPAIR	0.3		60		BT	

Table 1. MAC for STT-HP - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
02010301	KA-BAND HPA ASSEMBLY	INSPECT	0.3				F,BX	
		TEST	0.2				BU	
		REPLACE	0.2			1		
		ADJUST	1.5				BS	
02010302	LNB, KA-BAND	REPAIR				60	BT	
		INSPECT	0.1				F	
		TEST	0.2				K	
		REPLACE	0.2			1		
02010303	KA FEED TRAY ASSEMBLY	REPAIR				60	BT	
		INSPECT	0.1				F	
		TEST	0.2				K	
		REPLACE	0.2			1		
0202	GPS ANTENNA	REPAIR				60	BT	
		INSPECT	0.1				F	
		TEST	0.2				K	
		REPLACE	0.2			1		
0203	MAIN ANTENNA SUBSYSTEM	REPAIR	0.2				1	
		INSPECT	0.2				S	
		TEST	0.2				F	
		REPAIR	0.5			1	K,BU V,X	
020301	ANTENNA SYSTEM (NO FEED)	INSPECT	0.2				F	
		TEST	0.3				BU	
		REPAIR				60	BT	
		REPLACE	0.5			1	BU	
020302	ELEVATION MOTOR	REPAIR				60	BT	
		TEST	0.3				K	
		REPLACE	0.5			1		
		REPAIR				60	BT	
020303	AZIMUTH MOTOR	TEST	0.3				K	
		REPLACE	0.5			1		
		REPAIR				60	BT	
		TEST	0.3				BU	
020304	ACU MODULE	REPLACE	0.5				1	
		ADJUST	1.5				CC	
		REPAIR				60	BT	
		TEST	0.3					

Table 1. MAC for STT-HP - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
020305	NAVIGATION RIOM MODULE	TEST	0.3					BU
		REPLACE	0.5				1	
020306	ELEVATION RIOM MODULE	REPAIR			60			BT
		TEST	0.3					BU
020307	AZIMUTH RIOM MODULE	REPLACE	0.5				1	CB
		CALIBRATE	0.5					CD
020308	POLARIZATION RIOM MODULE	REPAIR			60			BT
		TEST	0.3					BU
03	ELECTRONICS SUBSYSTEM	REPLACE	1.0				1	
		CALIBRATE	1.0					CD
0301	A1 RACK ASSEMBLY, M&C SUBSYSTEMS	REPAIR			60			BT
		INSPECT	0.2					F,BX
030101	STT CONTROL AND IF MODULE ASSY	INSPECT	0.2					F,D
		REPAIR	0.3				1	E
030102	LAPTOP ASSEMBLY	REPLACE	0.5				1	
		INSPECT	0.1					F
030103	CHASSIS, FIBER OPTIC-CONVERTER	TEST	0.2					H
		REPAIR	0.1				1,2	T
030103	CHASSIS, FIBER OPTIC-CONVERTER	REPLACE	0.3				1	
		REPAIR			60			BT
030103	CHASSIS, FIBER OPTIC-CONVERTER	INSPECT	0.2				1	N,P,BJ,CP
		REPAIR	0.2					BT
030103	CHASSIS, FIBER OPTIC-CONVERTER	INSPECT	0.1					F
		TEST	0.2					H
030103	CHASSIS, FIBER OPTIC-CONVERTER	REPLACE	0.3				1	
		REPAIR			60			BT

Table 1. MAC for STT-HP - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
030104	SHELF ASSY POWER SUPPLY	INSPECT					F	
		TEST	0.1				M	
		REPAIR	0.2			1	CQ	
03010401	28V DC POWER SUPPLY	REPLACE	0.2			1		
		INSPECT	0.1				F	
		TEST	0.2				M	
030105	UPS ASSEMBLY	REPAIR	0.2			1	CY	
		REPLACE	0.2			1		
		INSPECT	0.1				F	
03010501	UPS	TEST	0.2				L,M	
		REPAIR	0.2			1	CJ	
		REPLACE	0.5			1		
030106	MODEM, SATELLITE, DMD 2050, 52 MBPS, BPSK	REPAIR	0.2			1	CA	
		INSPECT	0.1				F	
		TEST	0.2				L,M	
		SERVICE	0.3			1,2	CA	
030107	MODEM, IP, RMPM-1000	REPLACE	0.2			1,2		
		REPAIR	0.2		60		BT	
		INSPECT	0.1				F	
		TEST	0.2				H	
030108	FREQUENCY REFERENCE UNIT (FRU)	REPLACE	0.5			1		
		REPAIR	0.5		60		BT	
		INSPECT	0.1				F	
		TEST	0.2				H	
030109	SWITCH, 3560E ASSEMBLY	REPLACE	0.3			1		
		REPAIR	0.1		60		BT	
		INSPECT	0.1				F	
		TEST	0.2				J	
030109	SWITCH, 3560E ASSEMBLY	REPLACE	0.3			1		
		REPAIR	0.2			1	CK	
		TEST	0.2				H	

Table 1. MAC for STT-HP. - Continued.

(1) GROUP NUMBER	(2) COMPONENT / ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS CODE
			FIELD		SUSTAINMENT			
			CREW	MAINTAINER	BELOW DEPOT	DEPOT		
			C	F	H	D		
03010901	SWITCH, 3560E	INSPECT	0.1					
		TEST	0.2				H	
		REPLACE	0.2			1		
030110	ROUTER, 2901 ASSEMBLY	REPAIR			60		BT	
		INSPECT	0.1				F,BX	
		TEST	0.2				H	
		REPLACE	0.2			1		
		REPAIR	0.5			1	CH,CI	
030112	PATCH PANEL ASSEMBLY, DCE	REPAIR			60		BT	
		INSPECT	0.1				D,F,G	
		TEST	0.2				L	
		REPLACE	0.2			1		
030113	SHELF ASSEMBLY, DCE	REPAIR	0.5			1	Y	
		INSPECT	0.1				F	
		TEST	0.2				L	
030114	DISTRIBUTED COMPUTING ELEMENT (DCE)	REPAIR	0.2			1		
		REPAIR	0.2		60		CT	
		INSPECT	0.1					
		TEST	0.2				L	
		REPLACE	0.2			1		
		REPAIR			60		BT	

Table 2. Tools and Test Equipment for STT-HP.

TEST EQUIPMENT REF CODE	MAINTENANCE LEVEL	NOMENCLATURE	NATIONAL STOCK NUMBER	TOOL NUMBER
1	C, F	Tool Kit, Electronics Equipment	5180-00-064-5178	TK-101/G
2	C, F	Special Tool Kit Assembly, STT-HP		987-0002-066
3	C, F	Loop Test Translator		
4	F	Crane, Floor Portable	3950-01-542-6435	HP2000

Table 3. Remark Codes for STT-HP.

REMARK CODE	REMARKS
A	General Inspection, Check Coolant Level, Check Oil Level, Check Fuel Level, Check Exhaust System, Check Engine V belt, Check Hoses.
B	Clean Battery Posts, Clean Spark Arrestor, Replace Engine Air Filter, Replace Secondary Air Filter, Replace Fuel Filter, Replace Aux Fuel Filter, Replace Fuel/Water Separator Element, Replace Coolant Pressure Cap, Change Engine Oil Filter, Change Engine Oil, Check & Drain Fuel/Water Separator, Flush Coolant System.
C	Replace V-Belt.
D	Inspect to verify power ON and cables are plugged into unit correctly for unit functional operation.
E	Repair by removing faulty Power Distribution Unit and installing a new unit.
F	Inspection to verify unit functionality and completeness.
G	Inspect connectors / components for damages and cleanliness.
H	Test and Diagnostic of entire system via M&C.
I	Test by starting the generator to verify battery.
J	Test per Light Fault Display on front panel face also via M&C indication.
K	Test per Fault Display via M&C indication.
L	Test per Light Fault Display on front panel face.
M	Test via applying power to unit.
N	Repair by removing failed DVD/CDRW unit and installing new unit.
O	Repair by removing failed Battery unit and installing new unit.
P	Repair by removing failed Hard Drive unit and installing new unit.
Q	Test by performing system operation checks
R	Repair by removing failed Shore Power cable assembly and installing a new unit.
S	Repair by removing failed GPS antenna and installing a new unit.
T	Repair by removing failed Fuse and installing a new unit.
U	Repair by removing POL MOTOR and installing a new unit. Repair performed by higher level maintenance.
V	Repair by removing LIMIT SWITCH and installing a new unit.
W	Repair by removing waveguide and installing a new one.
X	Repair POL Potentiometer by removing and installing a new unit. Refer to higher level maintenance for repair. AZ Potentiometer is affixed to AZ motor and cannot be separately replaced. Repair by replacing AZ motor.
Y	Repair A1 rack by removing USB or RJ45 connector on the DCE Patch Panel.

Table 3. Remark Codes for STT-HP - Continued.

REMARK CODE	REMARKS
Z	Repair by removing failed EE Volt Gauge and installing a new unit.
AA	Repair by removing failed EE Amp Gauge and installing a new unit.
AB	Repair by removing failed Circuit Breaker and installing a new unit.
AC	Repair by removing failed Surge Suppressor and installing a new unit.
AD	Repair by removing Main Fuel Filter and installing a new unit.
AE	Repair by removing failed Water Temp Gauge and installing a new unit.
AF	Repair by removing failed Oilmate LED and installing a new unit.
AG	Repair by removing failed Voltmeter Gauge and installing a new unit.
AH	Repair by removing failed Oil Pressure Gauge and installing a new unit.
AI	Repair by removing failed Blue Rocker Switch and installing a new unit.
AJ	Repair by removing failed AUX Fuel Filter and installing a new unit.
AK	Repair by removing failed Fuel Filter and installing a new unit.
AL	Repair by removing failed Oil Filter and installing a new unit.
AM	Repair by removing failed Oilmate Cap and installing a new unit.
AN	Repair by removing failed Fuel Water Separator and installing a new unit.
AO	Repair by removing failed Oilmate Counter Assembly and installing new unit.
AQ	Repair by removing failed Air Cleaner Restriction Indicator and installing a new unit.
AR	Repair by removing failed Fuel Cell and installing a new unit.
AS	Repair by removing failed Fuel Sending Unit and installing a new unit.
AT	Repair by removing failed Fuel Gauge and installing a new unit.
AU	Repair by removing failed AUX Fuel Pump Off/On Switch and installing a new unit.
AW	Repair by removing failed Fuel Separator Filter and installing a new unit.
AX	Repair by removing failed Front Leg Jack and installing a new unit.
AZ	Repair by removing failed Surge Brake Assembly and installing a new unit.
BA	Repair by removing failed Safety Chain and installing a new unit.
BB	Repair by removing failed Marker Light Assembly and installing a new unit.
BC	Repair by removing failed LED Trailer Light Assembly and installing a new unit.
BD	Repair by removing failed Outrigger Assembly and installing a new unit.
BE	Repair by removing failed Jackscrew and removing with a new unit.
BF	Repair by removing failed Fuel Cell Mounting Assembly.

Table 3. Remark Codes for STT-HP - Continued.

REMARK CODE	REMARKS
BG	Repair unit by removing failed Front Jack Assembly and installing a new unit.
BH	Repair by removing failed Fuel Gauge and installing a new unit.
BI	Repair by removing failed Battery Voltmeter and installing a new unit.
BJ	Repair unit by removing failed Laptop power supply and installing a new unit.
BK	Repair by removing Ku HPA and installing a new unit.
BL	Repair by removing Ku LNB and installing a new unit.
BM	Repair by removing Ka HPA and installing a new unit.
BN	Repair by removing Ka LNB and installing a new unit.
BO	Repair by removing Gauge Lamp and installing a new unit.
BP	Repair by removing TFOCA Assembly and installing a new unit.
BQ	Repair by removing failed Outside Temperature Sensor Cable and installing a new unit.
BS	Adjust HPA for operation. Configure IP address.
BT	Return item to Depot for repair.
BU	Test by operating antenna using Antenna Control System.
BV	Repair APU Pressure Relief Valve.
BW	Repair by replacing failed Hand Brake Assembly and installing a new unit.
BX	Refer to TM PMCS work packages locate applicable maintenance procedure.
BY	Repair by removing Breakaway Lever and Leaf Spring Assembly and installing a new unit.
BZ	Repair by removing failed Inside Temperature Sensor Cable and installing a new unit.
CA	Service UPS Battery. Refer to TM
CB	After installation perform AZ Stow Procedures.
CC	Reload ACU software and configure ACU.
CD	Calibrate item. Refer to TM
CE	Clean ECU Filter.
CF	Repair by removing KU Feed Tray Assembly and installing a new unit.
CG	Repair by removing KA Feed Tray Assembly and installing a new unit.
CH	Repair by removing two port voice interface card and installing a new unit.
CI	Repair by removing four port Ethernet switch card and installing a new unit.
CJ	Repair by removing UPS and installing a new unit.

Table 3. Remark Codes for STT-HP - Continued.

REMARK CODE	REMARKS
CK	Repair by removing Switch and installing a new unit.
CM	Repair by removing Plastic Sand Shoe and installing a new unit.
CN	Field Repair is accomplished by a 91C.
CO	Field Repair is accomplished by a 91D.
CP	Repair by removing failed Laptop Battery and installing a new unit.
CQ	Repair by removing failed AC Adapter and installing a new unit.
CR	Repair by removing failed Pins installing a new unit.
CS	Repair by removing failed Block and installing a new unit.
CT	Repair by removing failed Distributed Computing Element and installing a new unit.
CU	Replace by mobile depot or at facility.
CV	Repair by replacing failed Sensor, Low Level and installing a new unit.
CW	Repair by replacing failed Liquid Storage Fuel Tank and installing a new one.
CX	Repair by replacing failed Fuel Cap and installing a new one.
CY	Repair by replacing failed Sensing Voltage Cable and installing a new unit.

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LISTS**

INTRODUCTION

Scope

This work package lists Components of End Item (COEI) and Basic Issue Items (BII) for the STT-HP to help you inventory items for safe and efficient operation of the equipment.

General

The COEI (Table 1) and BII (Table 2) information is divided into the following lists:

Components of End Item (COEI). This list is for information purposes only and is not authority to requisition replacements. These items are part of the STT-HP. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Items of COEI are removed and separately packaged for transportation or shipment only when necessary. Illustrations are furnished to help you find and identify the items.

Basic Issue Items (BII). The essential items are required to place the STT-HP in operation, operate it, and to do emergency repairs. Although shipped separately packaged, BII must be with the STT-HP during operation and when it is transferred between property accounts. Listing these items is your authority to request/requisition them for replacement based on authorization of the end item by the TOE/MTOE. Illustrations are furnished to help you find and identify the items.

Explanation of Columns in the COEI List and BII List

Column (1) Item Number. Gives you the number of the item illustrated.

Column (2) National Stock Number (NSN). Identifies the stock number of the item to be used for requisitioning purposes.

Column (3) Description, Part Number/(CAGEC). Identifies the Federal item name (in all capital letters) followed by a minimum description when needed. The storage location of COEI and BII is also included in this column. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).

Column (4) Usable on Code. When applicable, gives you a code if the item you need is not the same for different models of equipment. These codes are identified below:

Code Used on

Column (5) Units of Issue (U/I). Indicates the physical measurement or count of the item as issued per the National Stock Number shown in column (2).

Column (6) Qty Rqr. Indicates the quantity required.

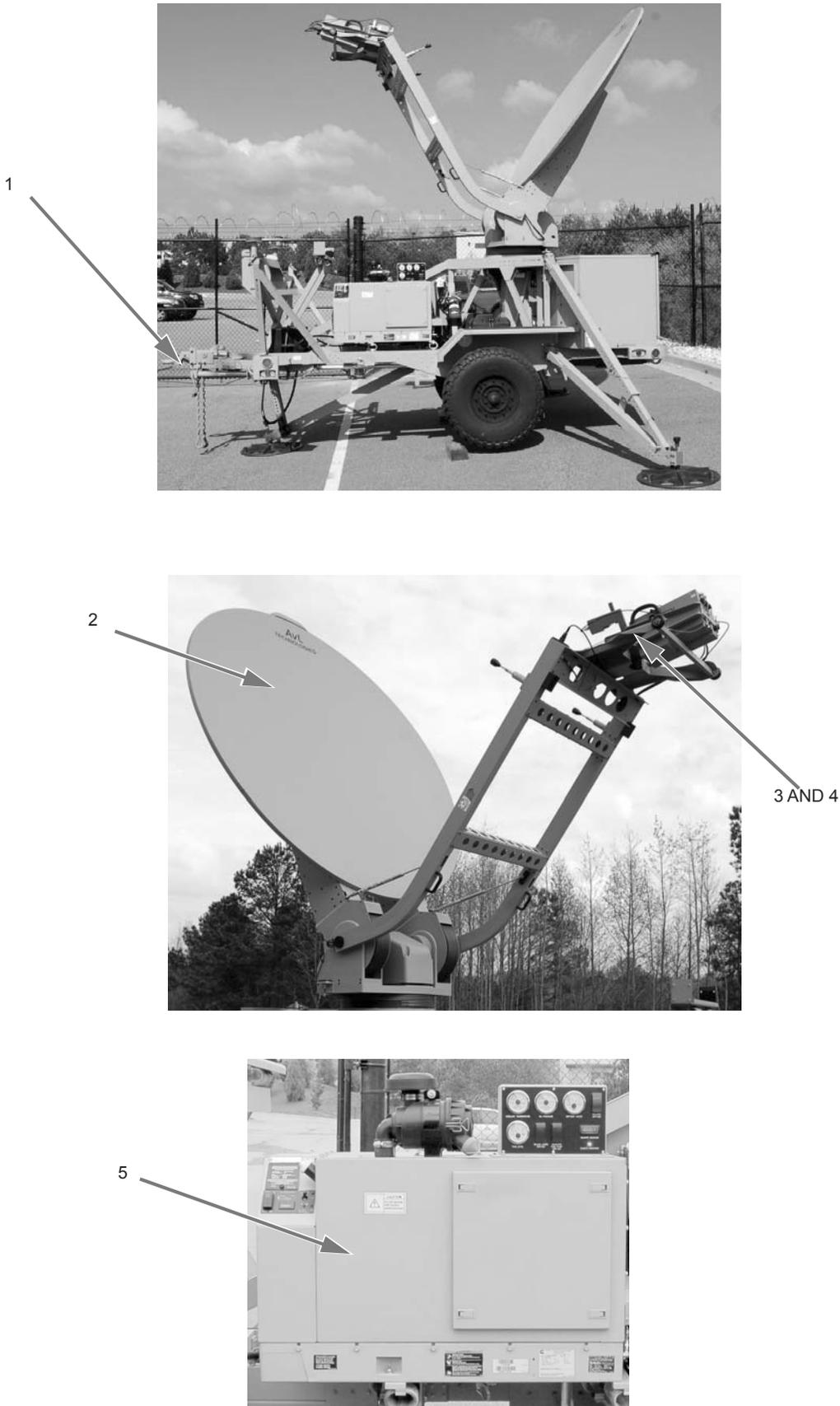


Figure 1. Components of End Item (Sheet 1 of 3).



7 →	A1	NCW MODEM 1	
		BLANK	
	A3	FDMA MODEM	← 8
9 →	A4	ROUTER	
	A5	ETHERNET SWITCH	← 10
11 →	A6	FIBER OPTIC MODEM	
	A7	DCE PATCH PANEL (GFE)	← 12
	A8	BLANK PANEL	
	A9	BLANK PANEL	
13 →	A10	CONTROL & IF MODULE	
	A11	FREQUENCY REFERENCE UNIT	← 14
15 →	A12	UPS	

FRONT VIEW

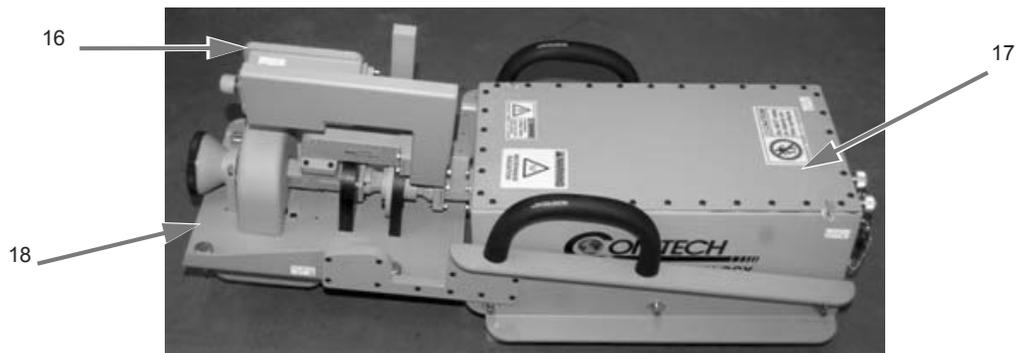


Figure 1. Components of End Item (Sheet 2 of 3)

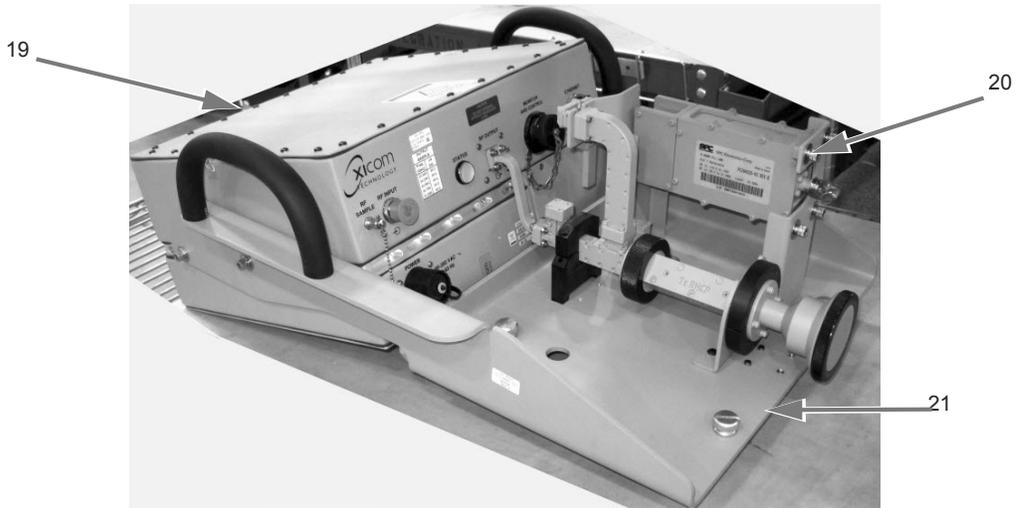


Figure 1. Components of End Item (Sheet 3 of 3).

Table 1. Components of End Item List.

(1) ILLUS NUMBER	(2) NATIONAL STOCK NUMBER (NSN)	(3) DESCRIPTION, PART NUMBER/CAGEC	(4) USABLE ON CODE	(5) U/I	(6) QTY RQR
1	5895015965048	TRANSPORTABLE TERMINAL, SATELLITE 822-3151-001 0EFD0	N/A	1	1
2		ANTENNA 243-000-504 43WN8	N/A	1	1
3		FEED ASSEMBLY KU-BAND 987-0008-566 0EFD0	N/A	1	1
4		FEED ASSEMBLY KA-BAND 987-0008-567 0EFD0	N/A	1	1
5		ASSEMBLY, GENSET, STT-HP (Auxiliary Power Unit) 987-0008-298 0EFD0	N/A	1	1
6		CONDITIONER, AIR (ECU) 987-0008-283 0EFD0	N/A	1	1
7		MODEM, COMMUNICATIONS (NCW Modem) 1000-0001-7 11627	N/A	1	1
8		MODEM, COMMUNICATIONS (FDMA Modem) 128-1V04-830 05QX1	N/A	1	1
9		PROCESSOR, GATEWAY (Router) 987-0008-553 0EFD0	N/A	1	1
10		INTERFACE UNIT, DATA TRANSFER (Ethernet Switch) 987-0008-552 0EFD0	N/A	1	1
11		MODEM, FIBER OPTIC 215749-01 1BPK0	N/A	1	1
13		PROCESSOR, SIGNAL DATA (Control & IF Module) 987-0008-260 0EFD0	N/A	1	1
14		GENERATOR, TIME CODE (Frequency Reference Unit) 987-0008-276 0EFD0	N/A	1	1
15		POWER SUPPLY, UNINTERRUPTABLE 987-0008-421 0EFD0	N/A	1	1

Table 1. Components of End Item List - Continued.

(1) ILLUS NUMBER	(2) NATIONAL STOCK NUMBER (NSN)	(3) DESCRIPTION, PART NUMBER/CAGEC	(4) USABLE ON CODE	(5) U/I	(6) QTY RQR
16		CONVERTER,FREQUENCY,ELECTRONIC (Ku-band LNB) 1008XUN-035989 1C5U8	N/A	1	1
17		AMPLIFIER,RADIO FREQUENCY (Ku-band HPA) EVP270-0001-070	N/A	1	1
18		FEED TRAY ASSEMBLY, KU-BAND 013-2048-040 13499	N/A	1	1
19		AMPLIFIER,RADIO FREQUENCY (Ka-band HPA) EVP270-0001-080 01MX9	N/A	1	1
20		CONVERTER,FREQUENCY,ELECTRONIC (Ka-band LNB) 294225-02	N/A	1	1
21		FEED TRAY ASSEMBLY, KA-BAND 013-2048-030 13499	N/A	1	1
22		COMPUTER, DIGITAL (Laptop) 987-0008-278 0EFD0	N/A	1	1

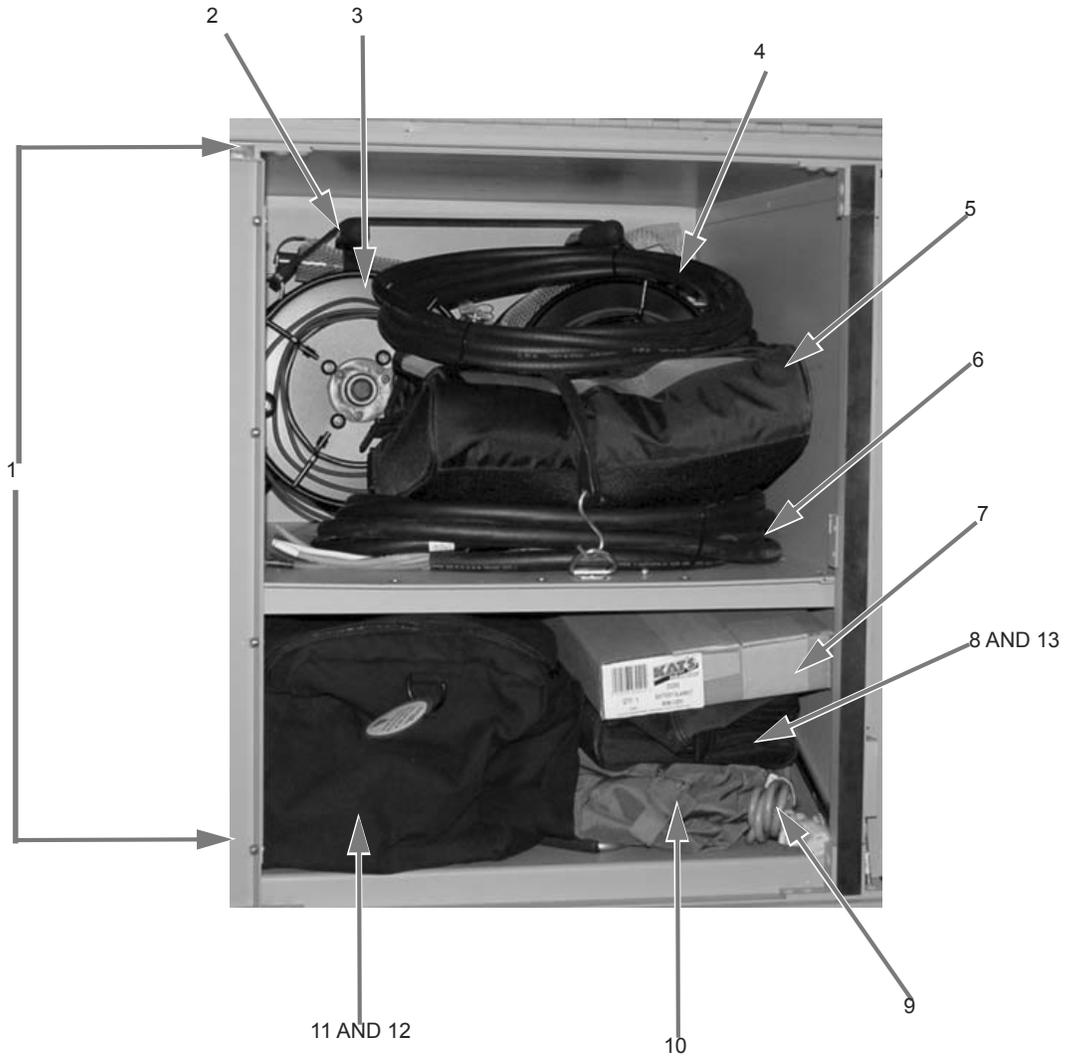


Figure 2. BII Kit As Installed in STT-HP (Sheet 1 of 2).

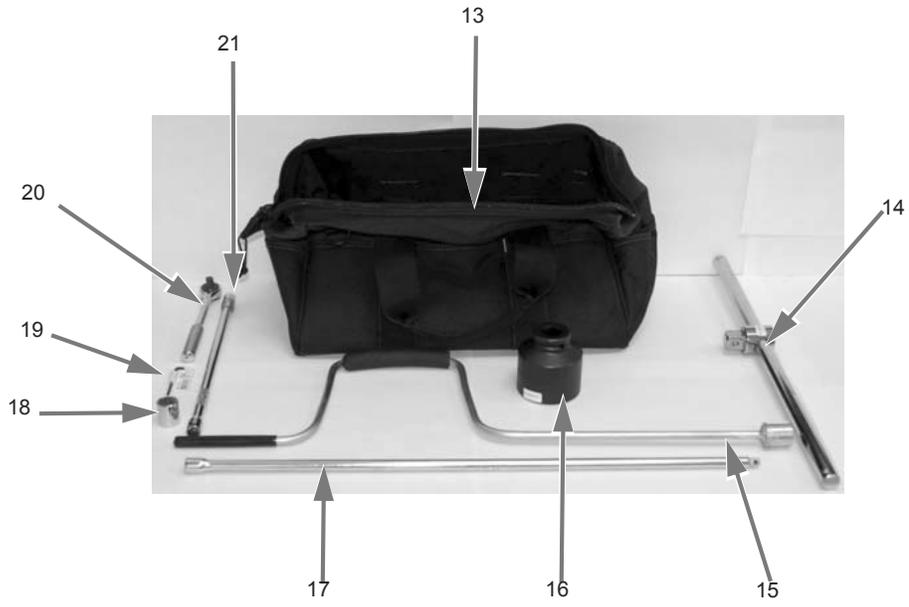


Figure 2. Special Tool Bag (shown with contents) (Sheet 2 of 2).

Table 2. Basic Issue Items List.

(1) ILLUS NUMBER	(2) NATIONAL STOCK NUMBER (NSN)	(3) DESCRIPTION, PART NUMBER/ CAGEC	(4) USABLE ON CODE	(5) U/I	(6) QTY RQR
1		KIT, BASIC ISSUE ITEM	N/A	EA	1
2	5340-01-247-8582	STRAP, TIE DOWN, 19 IN LONG, 0.75 IN WIDE 3891T15	N/A	EA	2
3	8130-01-587-8466	REEL, FIBER, TFOCA, 4 CHANNEL 950-0393	N/A	FT	2
4		HOSE, FUEL, AUXILIARY 15-FT. 209166-02	N/A	EA	1
5		TRANSLATOR, TEST, LOOP 987-0008-617	N/A	EA	1
6		CABLE ASSEMBLY SHORE POWER 987-0008-557	N/A	EA	1
7		HEATER, BATTERY, 80W, 120 VAC 211530-01	N/A	EA	1
8		TOOL KIT, SPECIAL 987-0002-066	N/A	EA	
9		CORD, EXTENSION, 16/3, NEMA 15-5, 10-FT	N/A	EA	1
10	5820-01-263-1760	KIT, GROUNDING, MK-2551A/U SURFACE WIRE MK-2551A/U	N/A	EA	1
11		BAG, DUFFEL, ET3000, SOREN O'HARE CARGO 302597-01	N/A	EA	1
12	2910-01-534-1961	FILTER, OIL (LOCATED IN DUFFEL BAG) 206258-01	N/A	EA	1
13	5140-01-597-6230	BAG, POWER TOOL, HOLD ALL 207493-01	N/A	EA	1
14		WRENCH, SOCKET - 3/4 DRIVE, T HANDLE 209243-01	N/A	EA	1
15		HANDLE, JACK, REAR 209064-01	N/A	EA	1
16		SOCKET, IMPACT, 2-1/16-INCH 209078-01	N/A	EA	1

Table 2. Basic Issue Items List - Continued.

(1) ILLUS NUMBER	(2) NATIONAL STOCK NUMBER (NSN)	(3) DESCRIPTION, PART NUMBER/ CAGEC	(4) USABLE ON CODE	(5) U/I	(6) QTY RQR
17		SOCKET, 3/8-IN DRIVE, SQUARE, 24- INCH 205555-01	N/A	EA	1
18		TOOL, SOCKET, 18MM, 3/8 SQUARE DRIVE 205566-01	N/A	EA	1
19		WRENCH, HEX, BALLDRIVER, 7/64-IN, L SHAPE 16506	N/A	EA	1
20		RATCHET, RND HEAD, STD LENGTH, 3/8-IN DRIVE J5252F	N/A	EA	1
21		EXT, SOCKET, 3/8-IN, W/ WELDED 7/16-IN SCKT 182-034-001	N/A	EA	1
N/A		TM 11-5895-1957-13&P-1,2	N/A	EA	1

END OF WORK PACKAGE

**OPERATOR AND FIELD MAINTENANCE
SATELLITE TRANSPORTABLE TERMINAL - HIGH POWER
EXPENDABLES AND DURABLES LIST**

INTRODUCTION**Scope**

This work package lists expandable and durable items that you will need to operate and maintain the STT-HP. This list is for information only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, Expendable/Durable Items (Except Medical, Class V Repair Parts, and Heraldic Items), CTA 50-909, Field and Garrison Furnishings and Equipment or CTA 8-100, Army Medical Department Expendable/Durable Items.

Explanation of Columns in the Expendable/Durable Items List

Column (1) Item No. This number is assigned to the entry in the list and is referenced in the narrative instructions to identify the item (e.g., Use brake fluid (WP 0098, item 5)).

Column (2) Level. This column identifies the lowest level of maintenance that requires the listed item (*include as applicable: C = Crew, O = Service/AMC, F = Field/ASB, H = Below Depot, D = Depot*).

Column (3) National Stock Number (NSN). This is the NSN assigned to the item which you can use to requisition it.

Column (4) Item Name, Description, Part Number /(CAGEC). This column provides the other information you need to identify the item. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).

Column (5) U/I. Unit of Issue (U/I) code shows the physical measurement or count of an item, such as gallon, dozen, gross, etc.

Table 1. List of Expendables and Durables.

ITEM NO.	LEVEL	NATIONAL STOCK NUMBER (NSN)	ITEM NAME, DESCRIPTION, PART NUMBER (CAGEC)	U/I
1	C		Adhesive Tape	Roll
2	C		Cable Ties, 4-inch, Black, Nylon	Bag
3	C		Cable Ties, 8-inch, Black, Nylon	Bag
4	C		Cable Ties, Hook and Loop, 12-inch, Black, Nylon	Bag
5	C		Cleaner, Computer	
6	C		Cleaner, Computer Screen	
7	C	8305-00-262-3321	Cloth, Cheesecloth	Bolt

Table 1. List of Expendables and Durables - Continued.

ITEM NO.	LEVEL	NATIONAL STOCK NUMBER (NSN)	ITEM NAME, DESCRIPTION, PART NUMBER (CAGEC)	U/I
8	C		Compressed Air	
9	C		Detergent, General Purpose	
10	C		Masking Tape	Roll
11	C		Pen / Marker	EA
12	C		Sealant, Non-corrosive, Dow Corning 748	Tube
13	C		Brake Fluid: Silicone, Automotive, All Weather, Operational and Preservative (81349) MIL-B-46176 1 Gallon Can 5 Gallon Can	GL GL
14	C		Antifreeze: ethylene glycol (Use 50/50 mix antifreeze and water)	GL
15	C		Lubricating Oil, Engine: 15W40 Quart Plastic Quart Plastic (Refined) Quart Metal Quart Metal (Refined) 5 Gallon 5 Gallon (Refined) 55 Gallon Drum 55 Gallon Drum (Refined)	QT QT QT QT GL GL BL BL
16	C		Tape, Teflon	Roll
17	C		Sealant, Thread	Tube
18	C		Compound, Locking, Thread	Tube
19	C		Loctite, Stick	Tube

END OF WORK PACKAGE

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25-30; the proponent agency is OAASA					Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).		DATE 21 Nov 2011
TO: (Forward to proponent of publication or form) (Include ZIP Code) Commander, U.S. Army Communications-Electronics Command, ATTN: AMSEL-LCL-ECM, 6001 Combat Drive, Aberdeen Proving Ground, MD 21005-1846					FROM: (Activity and location) (Include ZIP Code) Jane Q. Doe, SFC 1234 Any Street Anytown, AL 34565		
PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS							
PUBLICATION/FORM NUMBER TM 11-1234-567-14			DATE 15 Jan 2011		TITLE Operator, Field and Sustainment Support Maintenance Manual for Radio, AN/ABC-123		
ITEM	PAGE	PARA-GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON	
1	WP0005 PG 3		2			Test or Corrective Action should identify a different WP number.	
TYPED NAME, GRADE OR TITLE Jane Q. Doe, SFC				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION 123-4567		SIGNATURE	

EXAMPLE

TO: (Forward to proponent of publication or form) (Include ZIP Code)	FROM: (Activity and location) (Include ZIP Code)	DATE
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PART II - REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION/FORM NUMBER	DATE	TITLE
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION
EXAMPLE								

PART III - REMARKS (Use these remarks only for comments, or suggestions for improvement of publications and blank additional blank sheets may be used if more space is needed.)

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE
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RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS					Use Part II (<i>reverse</i>) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).		DATE
For use of this form, see AR 25-30; the proponent agency is OAASA							
TO: (<i>Forward to proponent of publication or form</i>) (<i>Include ZIP Code</i>)					FROM: (<i>Activity and location</i>) (<i>Include ZIP Code</i>)		
PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS							
PUBLICATION/FORM NUMBER				DATE		TITLE	
ITEM	PAGE	PARA- GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON	
TYPED NAME, GRADE OR TITLE				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION		SIGNATURE	

TO: (Forward to proponent of publication or form) (Include ZIP Code)	FROM: (Activity and location) (Include ZIP Code)	DATE
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PART II- REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION/FORM NUMBER	DATE	TITLE
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III - REMARKS (Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)

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RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS					Use Part II (<i>reverse</i>) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).		DATE
For use of this form, see AR 25-30; the proponent agency is OAASA							
TO: (<i>Forward to proponent of publication or form</i>) (<i>Include ZIP Code</i>)					FROM: (<i>Activity and location</i>) (<i>Include ZIP Code</i>)		
PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS							
PUBLICATION/FORM NUMBER				DATE		TITLE	
ITEM	PAGE	PARA- GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON	
TYPED NAME, GRADE OR TITLE				TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION		SIGNATURE	

TO: (Forward to proponent of publication or form) (Include ZIP Code)	FROM: (Activity and location) (Include ZIP Code)	DATE
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PART II- REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION/FORM NUMBER	DATE	TITLE
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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

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PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

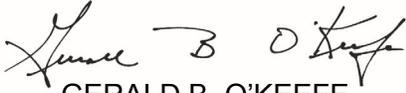
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TM 11-5895-1957-13&P-2

By Order of the Secretary of the Army:

Official:



GERALD B. O'KEEFE

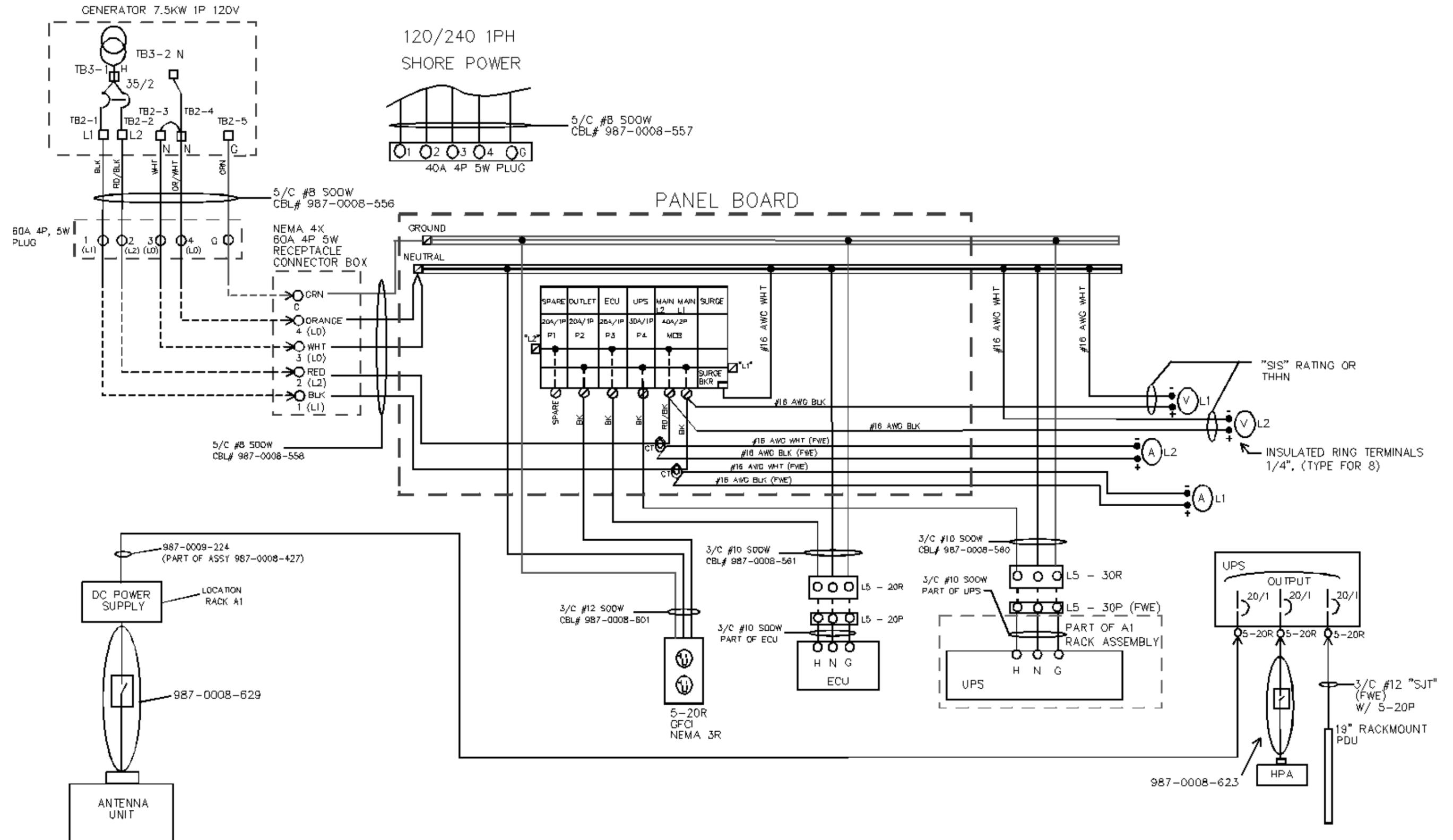
*Administrative Assistant to the
Secretary of the Army*

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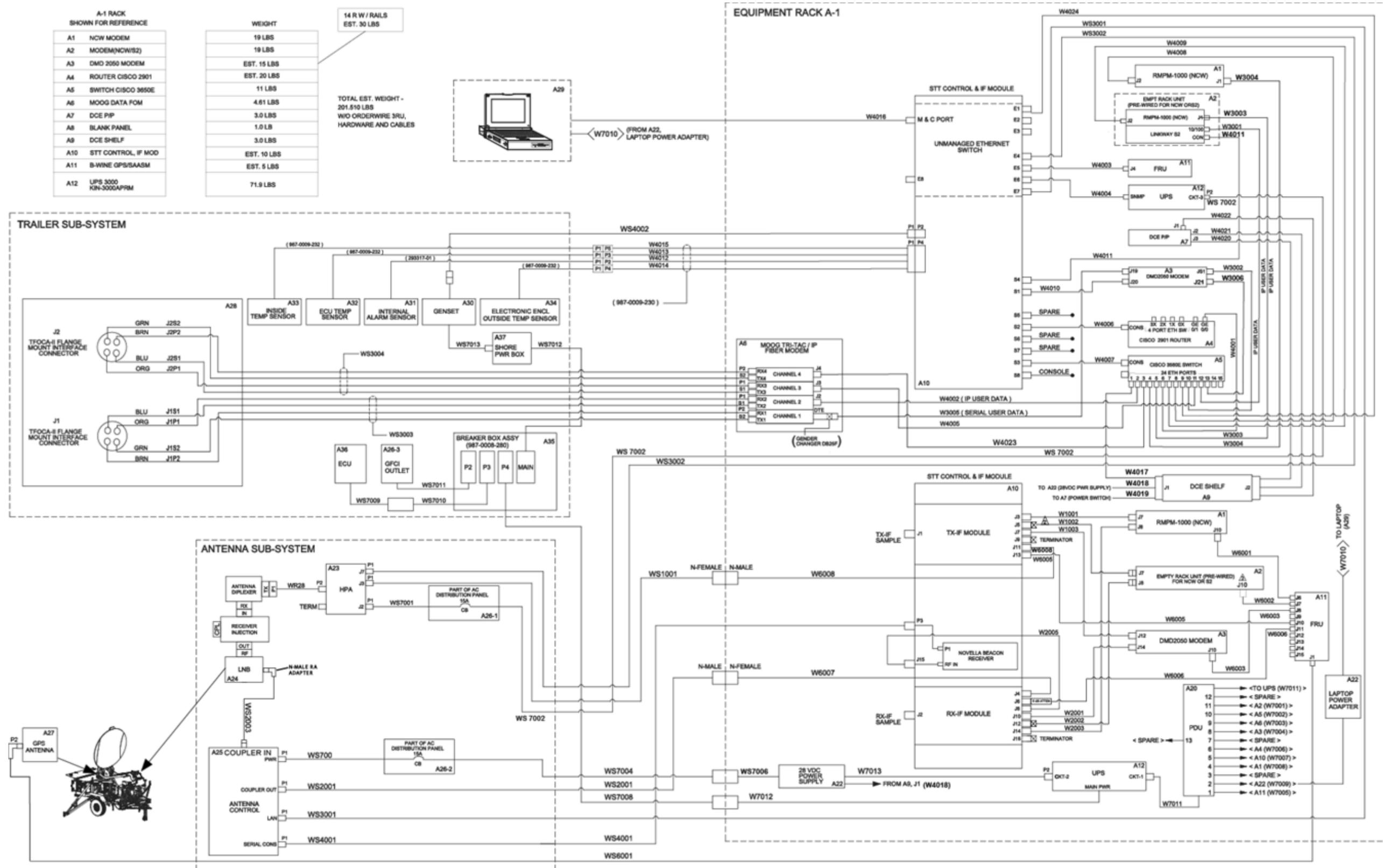
RAYMOND T. ODIERNO
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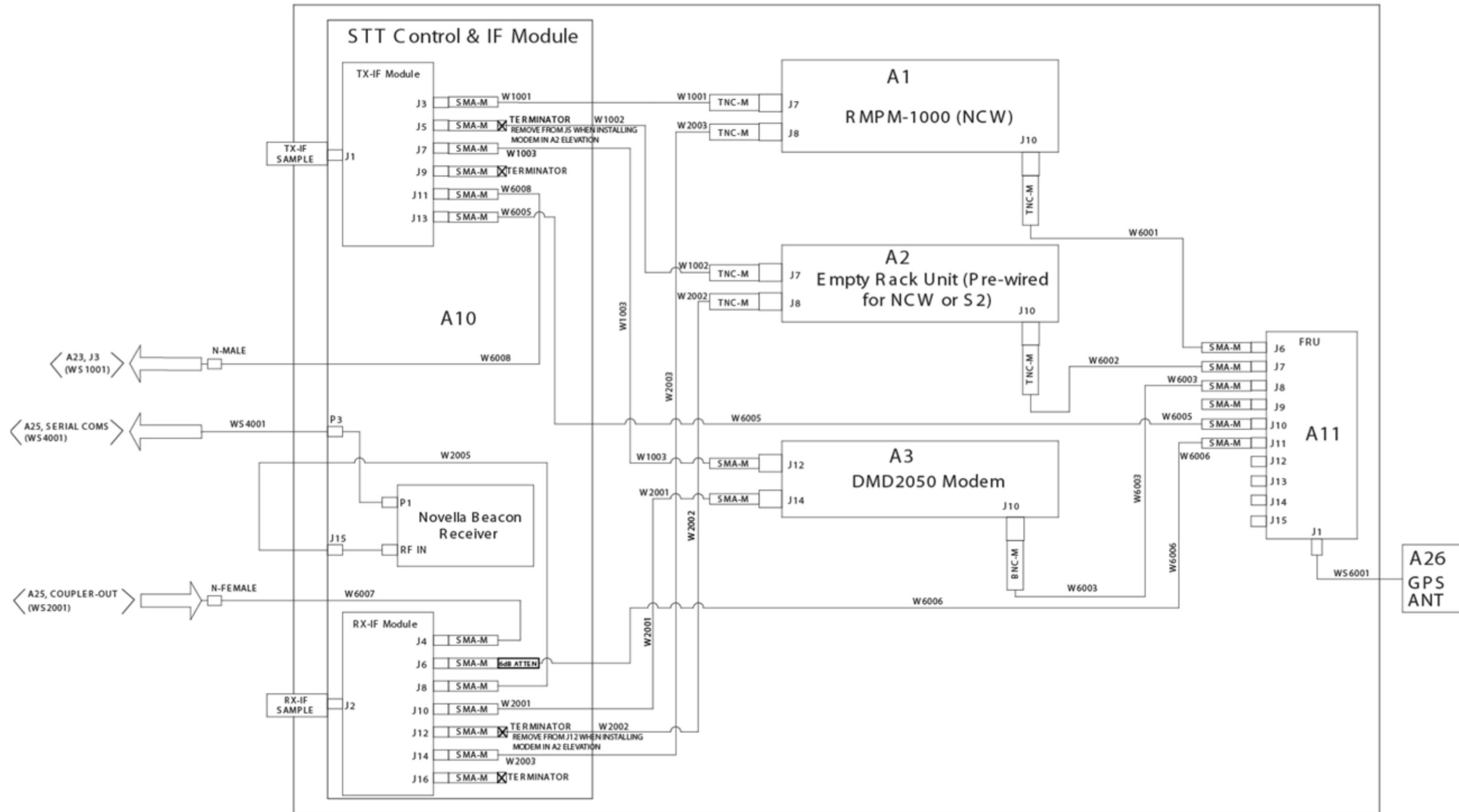
FO-1. System Level Power Wiring Diagram.



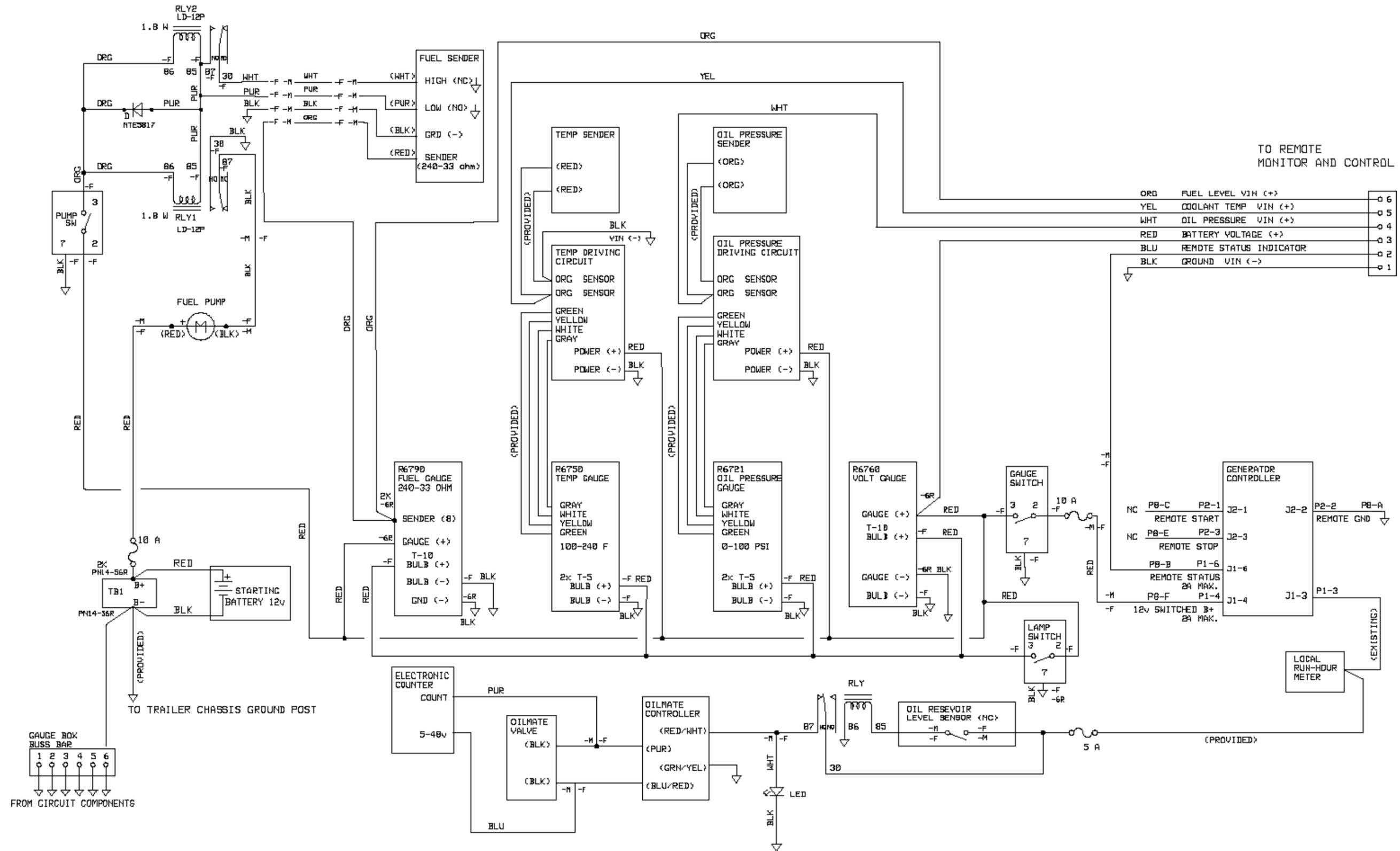
FO-2. System Wiring Diagram.

Wire Number	From Plug Description	From P1	To P2	To Plug Description	Cable Description	Notes	Act. Length In (Inches)	Est. Length In (Inches)	Cable Fab Dwg
W1001	SMA-Male, Manufactured, Generic	A10, J3	A1, J7	TNC-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			102"	204052-102
W1002	SMA-Male, Manufactured, Generic	A10, J5	A2, J7	TNC-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8	Spare NCW or S2 Modem		102"	204052-102
W1003	SMA-Male, Manufactured, Generic	A10, J7	A3, J12	SMA-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			102"	204001-102
W2001	SMA-Male, Manufactured, Generic	A10, J10	A3, J14	SMA-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			102"	204001-102
W2002	SMA-Male, Manufactured, Generic	A10, J12	A2, J8	TNC-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			84'	204052-84
W2003	SMA-Male, Manufactured, Generic	A10, J14	A2, J8	TNC-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			102"	204052-102
W2005	SMA-Male, Manufactured, Generic	A10, J8	A10, J15	SMA-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			8"	204001-08
W3001	RJ45-Male, Manufactured, Generic	A5, PORT 12	A2, 10/100	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	Spare S2 Linkway Modem		76"	204008-76
W3002	RJ45-Male, Manufactured, Generic	A3, J51	A5, PORT 10	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			76"	204008-76
W3003	RJ45-Male, Manufactured, Generic	A5, Port 5A	2, J1	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	NCW Spare Modem		96"	204008-96
W3004	RJ45-Male, Manufactured, Generic	A5, Port 4A	1, J1	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			96"	204008-96
W3005	DB25-Male, Manufactured, Generic	A6, DTE	A3, J19	DB25-Male, Manufactured, Generic	Cable, 24 AWG, STRND, 12 PR,	Use Gender changer w/MOOG		78"	204054-78
W4001	RJ45-Male, Manufactured, Generic	A5, Port 6A	4, GE 0/0	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			14"	204008-14
W4002	RJ45-Male, Manufactured, Generic	A6, J2	A5, Port	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			55"	204008-55
W4003	RJ45-Male, Manufactured, Generic	A11, J4	A10, E5	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			69"	204008-69
W4004	RJ45-Male, Manufactured, Generic	A12, SNMP	A10, E6	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			69"	204008-69
W4005	RJ45-Male, Manufactured, Generic	A6, J3	A5, PORT 11	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			72"	204008-72
W4006	RJ45-Male, Manufactured, Generic	A10, S2	A4 Console	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	RJ45 CROSS OVER CABLE		76"	204051-76
W4007	RJ45-Male, Manufactured, Generic	A10, S3	A5 Console	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	RJ45 CROSS OVER CABLE		96"	204051-96
W4008	RJ45-Male, Manufactured, Generic	A1, J2	A5, Port 8	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			96"	204008-96
W4009	RJ45-Male, Manufactured, Generic	A2, J2	A5, Port 7	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	Spare NCW Modem		96"	204008-96
W4010	RJ45-Male, Manufactured, Generic	A10, S1	A3, J20	DB9-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			96"	243244-96
W4011	RJ45-Male, Manufactured, Generic	A10, S4	A2, Console	RJ12-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			96"	204009-96
W4012	Plug, 12 Position Terminal Block	A10, P4-P2	A31	Connector - Female, Two Cavity	Cable, Twisted Pair w/Shield, 22AWG	Part of Cable Assy 987-0009-230		24"	987-0009-230
W4013	Plug, 12 Position Terminal Block	A10, P4-P3	A32	Connector - Female, Two Cavity	Cable, Twisted Pair w/Shield, 22AWG	Part of Cable Assy 987-0009-230		72"	987-0009-230
W4014	Plug, 12 Position Terminal Block	A10, P4-P4	A34	Connector - Female, Two Cavity	Cable, Twisted Pair w/Shield, 22AWG	Part of Cable Assy 987-0009-230		24"	987-0009-230
W4015	Plug, 12 Position Terminal Block	A10, P4-P5	A33	Connector - Female, Two Cavity	Cable, Twisted Pair w/Shield, 22AWG	Part of Cable Assy 987-0009-230		24"	987-0009-230
W4016	RJ45-Male, Manufactured, Generic	A29	A10, M&C	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	Connects to Laptop		72"	204008-72
W4017	Mil Circular Connector, Generic	A9, J1	A5, PORT 1	STRIPPED WIRE, 22 AWG	Cable, Twisted Pair w/Shield, 22AWG	PART OF CABLE Assy 987-0009-318		72"	987-0009-318
W4018	Mil Circular Connector, Generic	A9, J1	T A22, 28VDC OU	STRIPPED WIRE, 22 AWG	Cable, Twisted Pair w/Shield, 22AWG	PART OF CABLE Assy 987-0009-318		72"	987-0009-318
W4019	Mil Circular Connector, Generic	A9, J1	A7, POWER, SWITCH	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	PART OF CABLE Assy 987-0009-318		72"	987-0009-318
W4020	Mil Circular Connector, Generic	A9, J2	A7, J3	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	PART OF CABLE Assy 987-0009-319		72"	987-0009-319
W4021	Mil Circular Connector, Generic	A9, J2	A7, J2	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)	PART OF CABLE Assy 987-0009-319		72"	987-0009-319
W4022	Mil Circular Connector, Generic	A9, J2	A7, J1	USB-A MALE, MANUFACTURED, GENERIC	Cable, Twisted Pair w/Shield, 22AWG	PART OF CABLE Assy 987-0009-319		72"	987-0009-319
W4023	RJ45-Male, Manufactured, Generic	A6, J4	A5, PORT 3	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			96"	204008-96
W4024	RJ45-Male, Manufactured, Generic	A10, E1	A5, PORT 9	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			72"	204008-72
W6001	SMA-Male, Manufactured, Generic	A11, J6	A1, J10	TNC-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			102"	204052-102
W6002	SMA-Male, Manufactured, Generic	A11, J7	A2, J10	TNC-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8	Spare NCW or S2 Modem		102"	204052-102
W6003	BNC-Male, Manufactured, Generic	A3, J10	A11, J8	SMA-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			96"	204032-96
W6005	SMA-Male, Manufactured, Generic	A10, J13	A11, J10	SMA-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			82 "	204001-82
W6006	SMA-Male, Manufactured, Generic	A10, J6	A11, J11	SMA-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8			82 "	204001-82
W6007	SMA-Male, Manufactured, Generic	A10, J4	WS2001	N-Female, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8	RF Pigtail Cable From Rack		24"	227998-24
W6008	SMA-Male, Manufactured, Generic	A10, J11	WS1001	N-Male, Manufactured, Generic	Coax Cable, Low Loss, 50 Ohms, RGS8	RF Pigtail Cable From Rack		24"	204002-24
W7001	C13 Connector, Manufactured, Generic	A2, POWER	A20, PDU-11	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,	Vendor Purchased Cable Assy		72"	215447-01
W7002	C13 Connector, Manufactured, Generic	A5, POWER	A20, PDU-10	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,	Spare Power Cable for S2 Modem		60"	215447-01
W7003	C13 Connector, Manufactured, Generic	A6, POWER	A20, PDU-9	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,	Vendor Supplied Cable Assembly		60"	215447-01
W7004	C13 Connector, Manufactured, Generic	A3, POWER	A20, PDU-8	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,			60"	215447-01
W7005	Mil Circular Connector, Generic	A1, J16	A20, PDU-1	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,			60"	002206312
W7006	C13 Connector, Manufactured, Generic	A4, POWER	A20, PDU-6	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,			60"	215447-01
W7007	C13 Connector, Manufactured, Generic	A10, POWER	A20, PDU-5	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,	Part of 987-0008-260 Assembly		60"	215447-01
W7008	C13 Connector, Manufactured, Generic	A1, POWER	A20, PDU-4	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,			60"	215447-01
W7009	C13 Connector, Manufactured, Generic	A22, AC ADAPTER, AC, IN	A20, PDU-2	Plug, Nema 5-15P, Manufactured, Generic	Cable, 18 AWG,	Part of item CF-AA5713AM		60"	215447-01
W7010	AC Adapter, AC-DC, CF-31 Toughbook	A22, AC ADAPTER, DC, OUT	A29, LAPTOP	Plug, DC, Manufactured, Generic	Cable, 14 AWG,	Part of item CF-AA5713AM		60"	VENDOR SUPPLIED
W7011	Plug, Nema 5-15P, Manufactured, Generic	A20, POWER	A12, CRKT - 1	Plug, Nema 5-15P, Manufactured, Generic	Cable, 14 AWG,	Power Cable Part of PDU		60"	VENDOR SUPPLIED
W7014	CONNECTOR, PLUG, ELECTRICAL, 125V, 30A, L5-30R	A26-1 HPA POWER	A12, CRKT - 3	CONNECTOR, PLUG, ELECTRICAL, 125V, 30A, L5-30P	Cable, 12 AWG,	W7014 CONNECTS TO WS7002		60"	VENDOR SUPPLIED
W7013	CABLE, MULTI-CONDUCTOR, 12/3, 300V, SJOOW	A22, AC POWER	A12, CRKT - 2	HUBBELL PLUG, NEMAS-20P	CABLE, MULTI-CONDUCTOR, 12/3, 300V, SJOOW	WS7006		60"	987-0009-224
WS7006	CONN, TWIST LOCK, 15A, 125V, NEMA L5	A22, POWER, 28VDC OUT	A26-2, POWER, VDC IN	HUBBELL PLUG, NEMAS-20P	CABLE, MULTI-CONDUCTOR, 12/3, 300V, SJOOW	W7014 CONNECTS TO WS7004		60"	987-0009-224
WS7002	CABLE, MULTICONDUCTOR, 12/3, 300V, SJOOW	A26-1, POWER-IN	A12, CRKT - 3	HUBBELL PLUG, NEMAS-20P	CABLE, MULTICONDUCTOR, 12/3, 300V, SJOOW	Cable Assy part of 987-008-623		60"	987-0008-430
WS7004	HUBBELL PLUG, NEMAS-20P	A26-2, POWER, VDC IN	A22, POWER, 28VDC OUT	CONN PWR, TWIST LOCK, 15A, 125V, NEMA L5	CABLE, MULTICONDUCTOR, 10/3, 300V, SJOOW	WS7004 CONNECTS TO WS7006		60"	987-0008-429
WS7008	CONNECTOR, PLUG, ELECTRICAL, 125V, 30A, L5-30P	A35, CB-P4, BREAKER BOX ASSY	A12, Power	CONNECTOR, PLUG, ELECTRICAL, 125V, 30A, L5-30R	CABLE, MULTICONDUCTOR, 10/3, 300V, SJOOW	WS7008 CONNECTS TO W7012		60"	987-0008-560
W3006	RJ45-Male, Manufactured, Generic	A5, PORT 13	A3, J21	RJ45-Male, Manufactured, Generic	Cable, PR STR BC PVC CAT 5E (Blue)			96"	204008-96

RF WIRING DIAGRAM

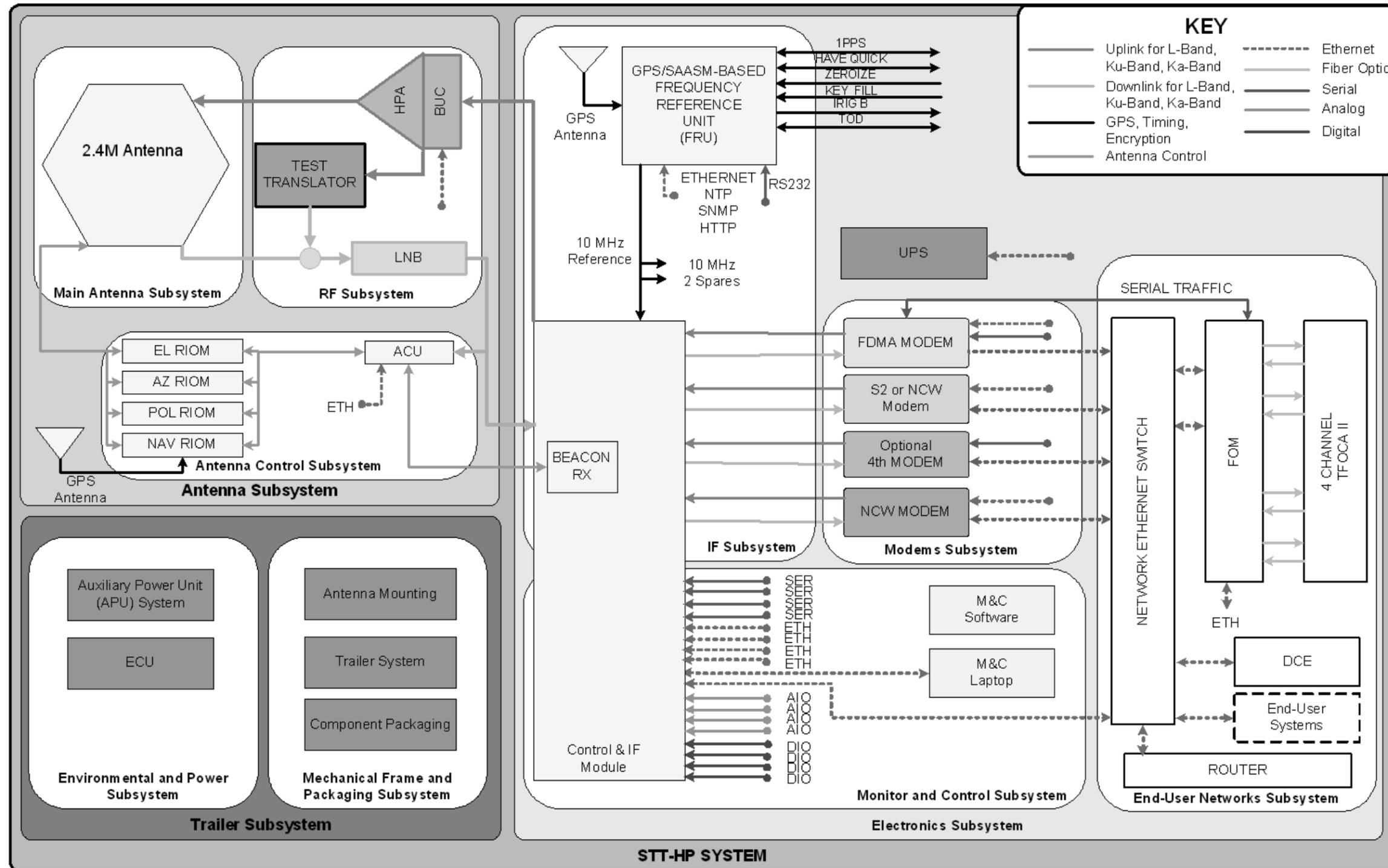


FO-5. RF Wiring Diagram.



FO-6. APU Gauge Box Wiring Diagram.

STT-HP FUNCTIONAL BLOCK DIAGRAM



FO-7. System Functional Block Diagram.

PIN: 087330-000

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