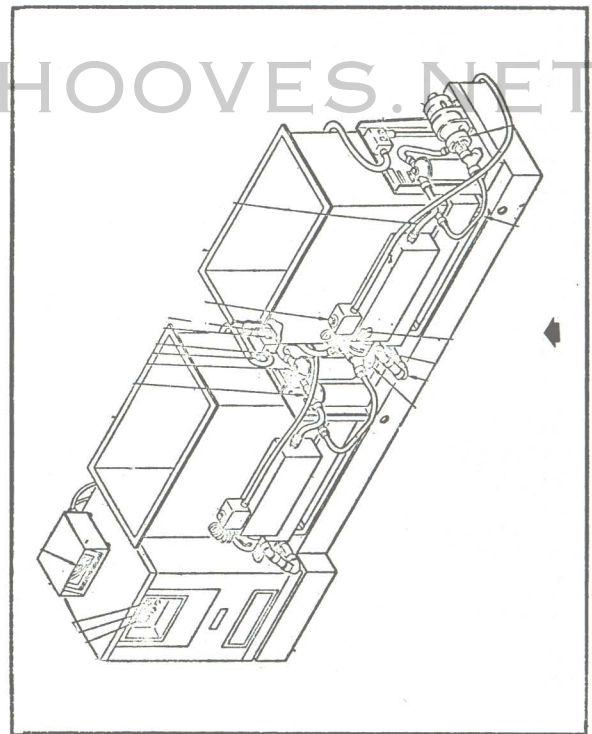


ITEM NUMBER

251

NOMENCLATURE		
CLEANER SET, ULTRASONIC		
FSN 4940-972-0987		PART NO. WEH320
TYPE/MODEL NO.	MFRS NAME	
NA	WESTINGHOUSE	
DIMENSIONS SEE BELOW		WEIGHT SEE BELOW
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 7	COND 0-2	UNIT PRICE \$14,000
TECH ORDER 34Y2-57-1		
DISCONNECT T 1 HR	SPEC TOOLS/EQUIP DOLLY AND LIFT	
REMOVAL TIME 1 HR	SPEC SKILLS ELECTRICIAN	



TECHNICAL DESCRIPTION

An ultrasonic cleaner which is comprised of a generator, two transducerized tanks, two recirculating filter systems, and a two-way switch unit. The generator is a solid state type with an average output of 3-KW at frequency of 20-KC, dimensions 26-34 IN long X 22-3/4 IN deep X 30-5/16 IN high, approximate weight, 170 lbs. The tanks are of stainless steel construction, inside dimensions 32 IN long X 20 IN wide X 23 IN deep, approximate capacity 55-gal., weight unknown. Each tank is equipped with three bottom mounted magneto-strictive type transducers, one heater, one 10 Ft power cable, and drain connections. A recirculating filter is provided with each tank; each filter unit contains an electric motor, centrifugal pump, filter(s), and necessary plumbing. The filter unit used with the clean tank contains two filters in series, one 50-micron and one 100-micron. The filter unit used with the rinse tank contains one 10-micron filter. Both filter units use disposable filter elements and have an output of 5-GPM. The two-way switch unit manually transfers power from the generator to the desired tank.

NOTE: Both tanks cannot be driven simultaneously. Two stainless steel parts baskets capable of holding 100-lbs of parts (each) are provided with the cleaner, size unknown.

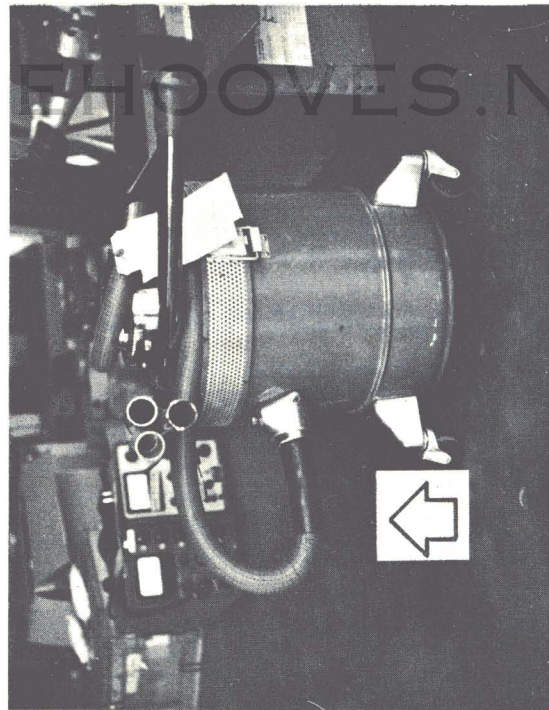
FUNCTIONAL DESCRIPTION

Used to ultrasonically clean and rinse the component parts of the Titan I Airborne Hydraulic System during overhaul of components.

ITEM NUMBER

320

NOMENCLATURE		
CLEANER, VACUUM		
F S N	PART NO.	
7910-254-4956	NA	
TYPE/MODEL NO.	MFRS NAME	
NA	NA	
DIMENSIONS	WEIGHT	
NA	NA	
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
22	0-2	\$90
TECH ORDER		
NA		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



TECHNICAL DESCRIPTION

Cleaner, Vacuum, Vertical tank type with inclosed separator, with wheels, attachments, 1 dusting brush, 1 utility brush, 1 flexible hose, 1 crevice nozzle, 1 drapery nozzle, 2 extension tubes, household type, min discharge velocity in ft/min not rated AC/DC 115V 60 single pahse, 6 amp; 1/4 HP motor, 400 to 850 input wattage; FED W-C-421, type I, Class D, Size 1, Model 2.

FUNCTIONAL DESCRIPTION

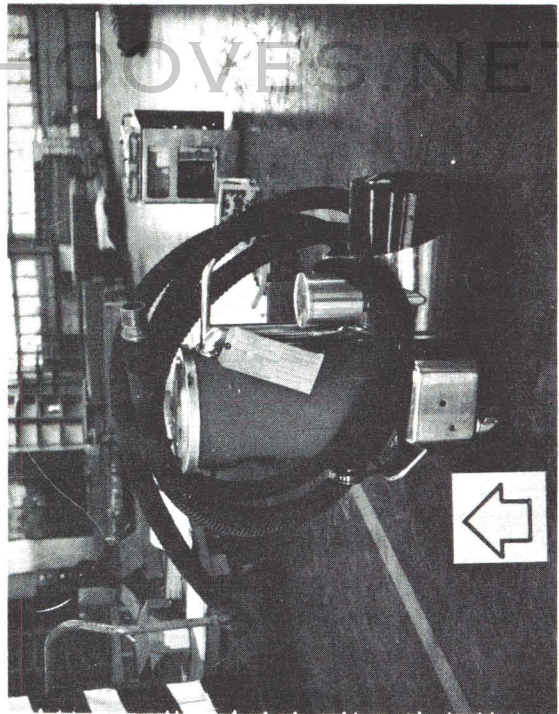
For general clean-up work in the Launcher Complex and Squadron Maintenance Area.

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ITEM NUMBER

321

NOMENCLATURE		
CLEANER, VACUUM		
FSN 7910-272-2573		PART NO. NA
TYPE/MODEL NO. NA		MFRS NAME NA
DIMENSIONS 24X18 IN		WEIGHT 50 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$218
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Vertical tank type; w/inclosed separator; w/wheels & blower outlet; attachments, 1 elbow joint fitting w/shut off valve, 1 floor handle, 1 flexible hose, 1 carpet tool, 1 radiator & crevice tool, 1 floor tool, 1 spray attachment; commercial & industrial portable type; min discharge velocity in ft per minute not rated. AC/DC, 115V, 60 cycles, single phase, current not rated; 1/3 HP motor, input wattage not rated; Fed W-C-00421, type 1, class C.

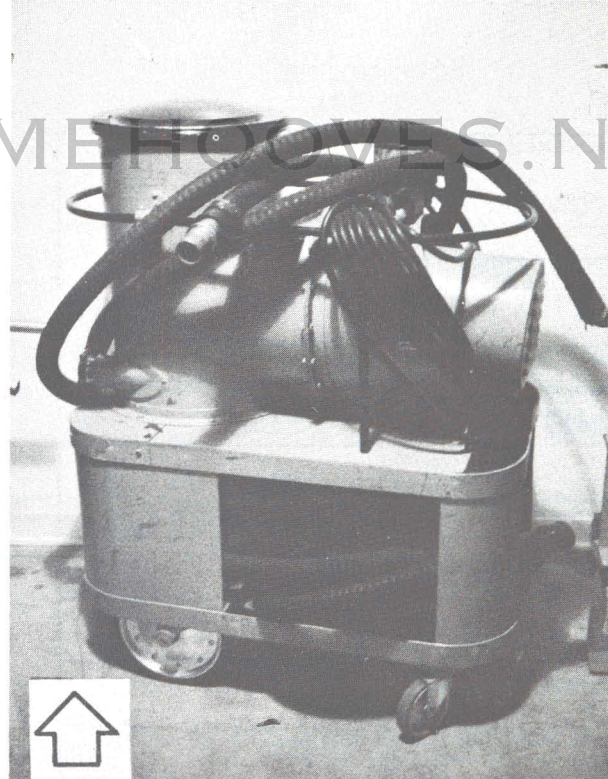
FUNCTIONAL DESCRIPTION

For cleaning large areas in launcher complex and squadron maintenance area.

ITEM NUMBER

322

NOMENCLATURE		
CLEANER, VACUUM		
FSN *7910-550-9111		PART NO. NA
TYPE/MODEL NO.		MFRS NAME
NA		NA
DIMENSIONS		WEIGHT
NA		NA
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
33	0-2	\$429
TECH ORDER 2K-LR91-4		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



*Quantity includes FSNs 7910-132-5652 & 7910-551-6867 which are similar.

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TECHNICAL DESCRIPTION

Cleaner, vacuum, vertical tank type, w/inclused separator, w/wheels and blower outlet. Designed for water lift. Attachments, 1 floor handle, 2 25-Ft rubber flexible hoses, 1 hose swivel joint, 1 bare floor tool, 1 carpet tool, 1 radiator and crevice tool. 115V AC 60 CPS, 1 1/2 HP motor, Fed W-C00421, Type 1, Class A.

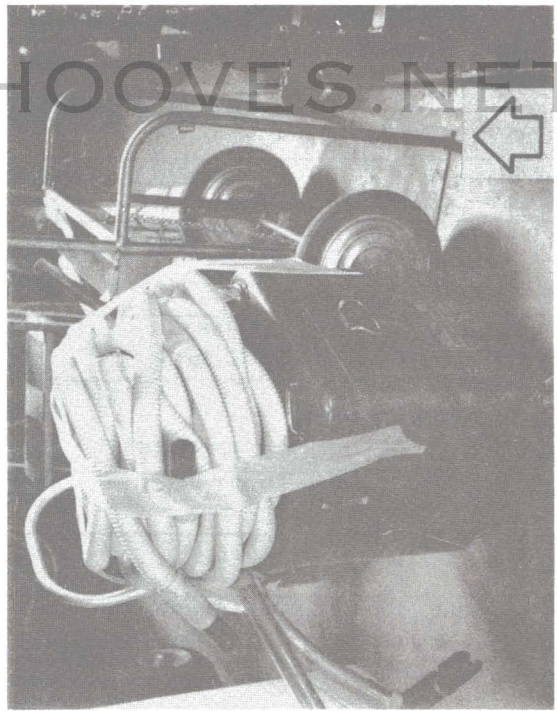
FUNCTIONAL DESCRIPTION

Required to remove contaminating particles, including those in soluble solution from the engine maintenance area.

ITEM NUMBER

325

NOMENCLATURE		
CLEANER, VACUUM		
FSN	PART NO.	
7910-856-7916	95A	
TYPE/MODEL NO.	MFRS NAME	
PORTABLE	BLACK & DECKER	
DIMENSIONS	WEIGHT	
NA	31 LBS	
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
6	0-2	\$445
TECH ORDER		
NA		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



TECHNICAL DESCRIPTION

Water Filter Mfr. P/N 95A or equal with following attachments: 33058 15' semi rigid hose, 46497 16" floor brush, 46499 14" squeege, 46501 14" rough floor tool, 46506 4-1/2" aluminum straight tube, 46511 7" hand tool with brush. Unit will accept any Black & Decker industrial cleaner attachment. Capacity: Steel tank capable of holding 13 gals, wet, or 1-1/2 bushels, dry. Power: Unit has a 2-1/4 horsepower 110V AC motor. This unit can be converted to 208V AC by changing the motor.

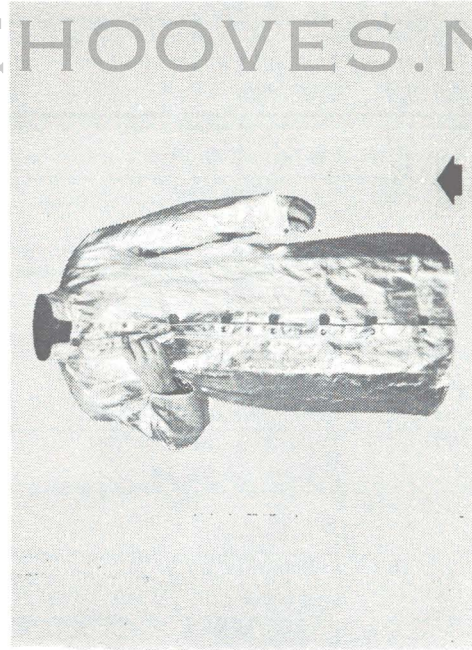
FUNCTIONAL DESCRIPTION

Heavy duty industrial cleaning. Unit mounted on wheelbarrow frame. Handles are removable.

ITEM NUMBER

331

NOMENCLATURE		
COAT, SAFETY		
FSN 8415-530-4080		PART NO. NA
TYPE/MODEL NO.	MFRS NAME	
MA-1A	NA	
DIMENSIONS NA	WEIGHT 2 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 22	COND 0-2	UNIT PRICE \$45
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Coat safety, heat protective, asbestos aluminum coated outside. Aluminum color, harness snap and "D" ring, closure. 37 inches long, size medium. Military specification -MIL-C-4632.

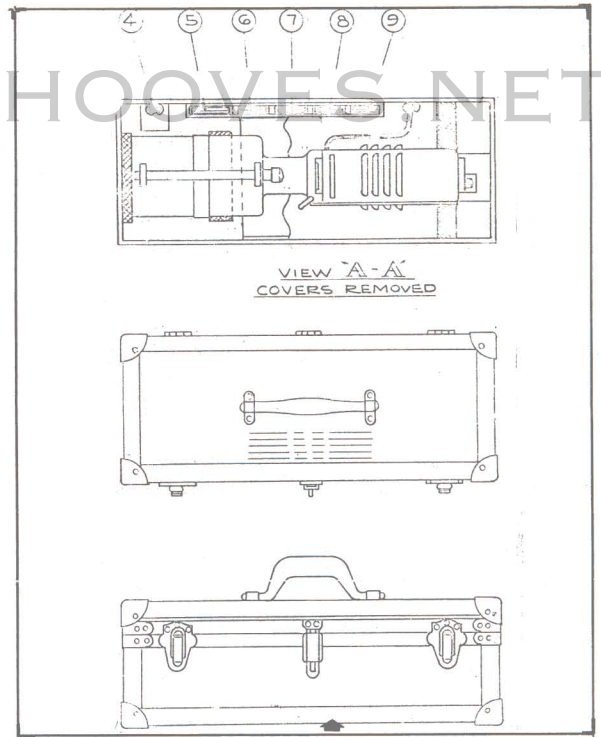
FUNCTIONAL DESCRIPTION

For personnel safety and/or emergency rescue operations.

ITEM NUMBER

192

NOMENCLATURE COLLIMATOR, OPTICAL OR TELEVISION		
FSN 4935-783-8385AE		PART NO. GS57827
TYPE/MODEL NO. NA		MFRS NAME WESTERN ELECTRIC
DIMENSIONS 18X12X6 IN		WEIGHT 25 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$2,000
TECH ORDER 31X7-2-12-2-2		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

A source of radiant energy which illuminates test slides. Includes four slides, a calibrated light source, and a lens system for projecting the image forward in a collimated beam. Suit case type container, electrical connection 120VAC, 60 cycle single phase.

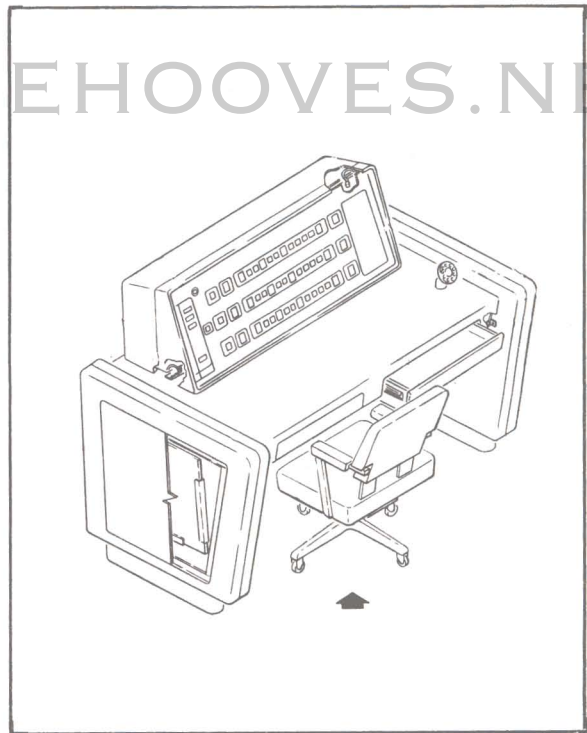
FUNCTIONAL DESCRIPTION

This equipment is used to test and align the vertical linearity, height, horizontal linearity, width, resolution, and picture quality of the closed circuit television system. Since the camera lens is focused at infinity, the collimator lens is used to focus the slide image on the videocon tube. It is part of electronic equipment maintenance kit (GS-5816462) the optical collimator attaches to the front of the camera optical assy in missile guidance set AN/GRW-5. Illuminated transparency slides are used with the optical collimator as reference test patterns for videocon optical focusing and system video resolution.

ITEM NUMBER

13

NOMENCLATURE		
CONSOLE, CONTROL PANEL		
FSN	PART NO.	
1440-819-3264AE	327N2110000-009	
TYPE/MODEL NO.	MFRS NAME	
OA-2437	MARTIN COMPANY	
CJQ-11		
DIMENSIONS	WEIGHT	
60X35X46.5 IN	200 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND.	UNIT PRICE
6	0-2	\$1,800
TECH ORDER 31X3-10-27-4		
DISCONNECT T	SPEC TOOLS/EQUIP	
2 HRS	LIFT, DOLLY	
REMOVAL TIME	SPEC SKILLS	
2 HRS	ELECTRICIAN	



TECHNICAL DESCRIPTION

Control panel contains launch and sequence controls for 3 missile operation, 3 rows of lights and switches, for: ground guidance display, open fuel valve, launcher 1, 2 and 3 display, missile tank pressurization, target selection, launch, status of missile and facility, power transferred, shutdown, guidance lock-on, load propellants, loop-check complete, LOX loading, lift off, LOX loaded, launcher lower, and raise launcher.

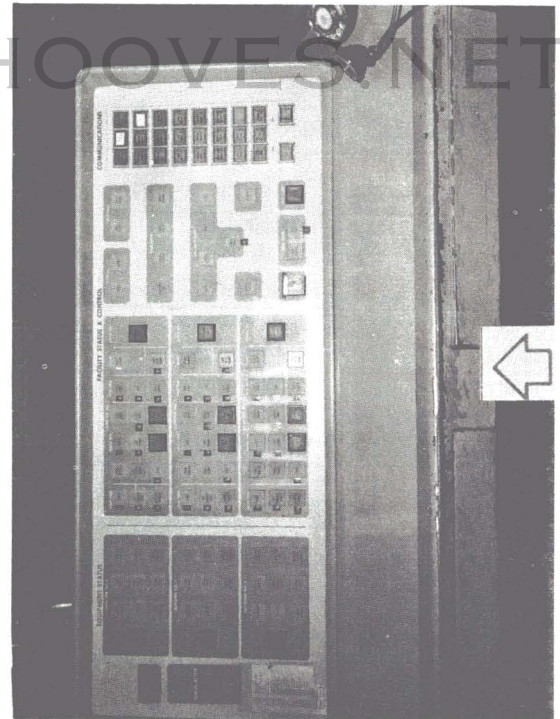
FUNCTIONAL DESCRIPTION

This Launch Control Console located in the Control Center and contains go and no-go lights in a panel, indicates go and no-go conditions of various launch systems. Panel is located on knee hole type base for operator chair.

ITEM NUMBER

14

NOMENCLATURE		
CONSOLE, MONITOR		
F SN	PART NO.	
1440-819-3267AE	327N2130000-009	
TYPE/MODEL NO.	MFRS NAME	
OA-2436 (XAA3)GJQ-11	MARTIN CO	
DIMENSIONS	WEIGHT	
60X35X46.5 IN	520 LBS	
LOCATION		
SEE PARAGRAPH 2 SPECIAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
6	0-2	\$1,800
TECH ORDER		
31X3-10-26-4		
DISCONNECT T	SPEC TOOLS/EQUIP	
2 HRS	LIFT AND DOLLY	
REMOVAL TIME	SPEC SKILLS	
2 HRS	ELECTRICIAN	



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TECHNICAL DESCRIPTION

Electrical Rquirements 28V(+2.0)VDC For GO and NO-GO lighting on panel.

For following Systems:

Hydraulic System
 Propellant System
 Fuel System
 Propellant Terminal
 GOX & Fuel Systems
 Load & Pressures

Engine Status
 Guidance Status
 Ground Power Status

FUNCTIONAL DESCRIPTION

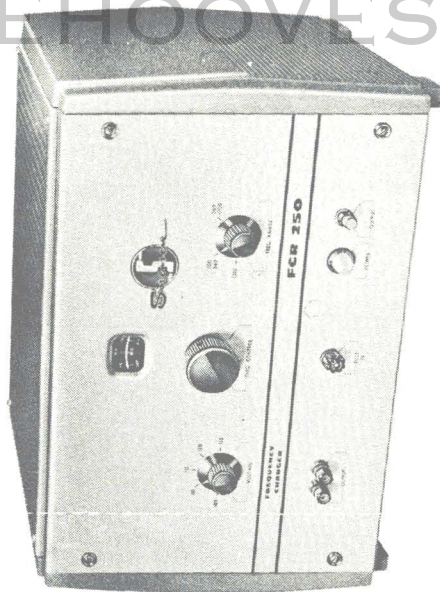
Monitors status of Ground Operating Equipment (GOE) and facilities. Monitoring is indicated by lamps for Ground Guidance Station, Missiles and associated equipment and damage control system, for monitoring and isolating malfunction of components. The Panel is located on a knee hole type desk or base for operator's chair.

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ITEM NUMBER

172

NOMENCLATURE		
CONVERTER, FREQUENCY		
FSN *		PART NO. *
6625-473-5876		FCR 250R
TYPE/MODEL NO.	MFRS NAME	
NA	SORENSEN CO INC	
DIMENSIONS	WEIGHT	
12X19X15 IN	35 LBS	
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
4	0-2	\$1,215
TECH ORDER		
NA		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



*Quantity includes 4935-473-5876AE which is similar.

TECHNICAL DESCRIPTION

Converter frequency electronic, 60 CPS incoming frequency 115VAC, single Ph. Output frequency regulation plus or minus 1%, output distortion 5% normal and output modulation 2% maximum range; 320-1000 CPS in two ranges; 320-560 and 560-1000 CPS, 0-250VA.

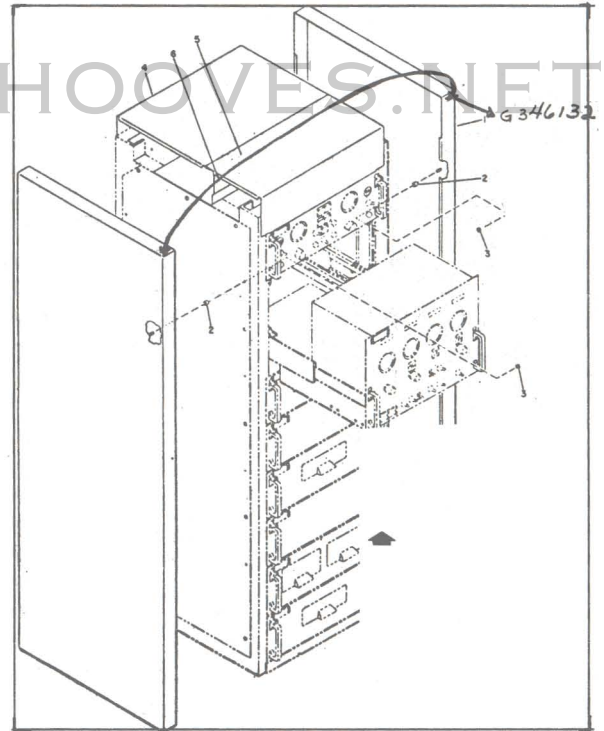
FUNCTIONAL DESCRIPTION

Used to provide a regulated power supply for test equipment.

ITEM NUMBER

185

NOMENCLATURE		
COVER SET		
FSN 4935-739-1948AE		PART NO. G346132
TYPE/MODEL NO.	MFRS NAME	
NA	NA	
DIMENSIONS SEE BELOW	WEIGHT 5 LBS	
LOCATION SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
5	0-2	\$700
TECH ORDER		
NA		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



TECHNICAL DESCRIPTION

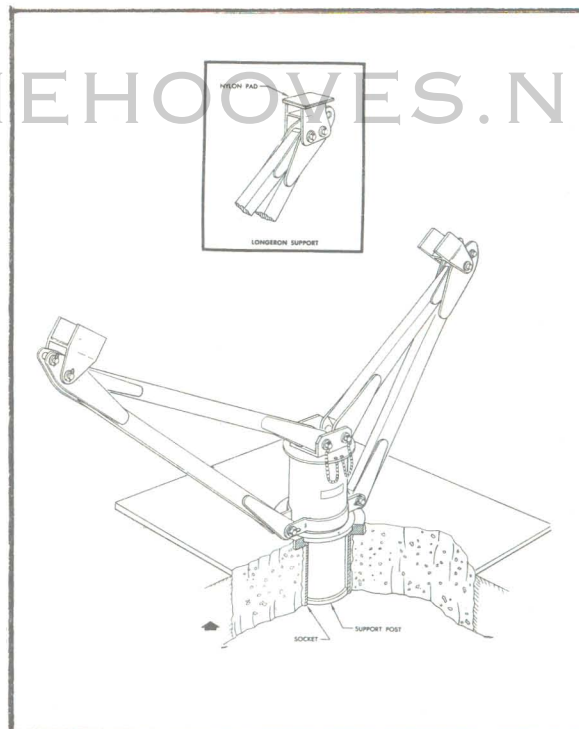
Cover Set consists of 2 molded metal sheets 70-7/16 IN lg X 22-3/4 IN w, 1 Cabinet Hood aluminum alloy 20-9/16 IN lg X 16-1/4 IN wide X 5-5/16 IN depth. 1 Cabinet Hood aluminum alloy 20-9/16 IN lg X 9-3/8 IN wide X 5-15/16 IN depth. 1 plate, baffle aluminum alloy 20-5/16 IN lg X 4-1/2 IN wide X 1-3/8 IN high plus attaching parts to make complete cover for GS58950 Test Set.

FUNCTIONAL DESCRIPTION

Metal enclosure for GS58950 Test Set to permit safe operation from hazardous voltage.

ITEM NUMBER
45

NOMENCLATURE		
CRADLE, MISSILE STOWAGE		
FSN 1450-448-7424AE		PART NO. 327M9570000-039
TYPE/MODEL NO. MHU34 (XC-1)/E	MFRS NAME MARTIN CO	
DIMENSIONS 18X12X100 IN	WEIGHT 300 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 5	COND 0-2	UNIT PRICE \$1,441
TECH ORDER 21M-HGM25A-2-2-1		
DISCONNECT T NA	SPEC TOOLS/EQUIP LIFT AND DOLLY	
REMOVAL TIME NA	SPEC SKILLS NONE	



Items 45 and 46

TECHNICAL DESCRIPTION

The Cradle consists of a "Y" type vertical support with folded arms, each having a padded segment fitted to accept a Stage I missile longeron. The pads incorporate flanges to prevent fore and aft movement of the missile stage and to facilitate proper positioning when the missile stage is placed upon the cradle. The Cradle assemblies are inserted in steel sockets permanently emplaced in the concrete pads adjacent to the silos, unfolded and locked in open position. Upon completion of the missile replacement Cycle, the Cradle assemblies are unlocked, folded and then removed from the locating sockets for storage in the MAMS.

FUNCTIONAL DESCRIPTION

Used to support missile Stage I during missile cycling at the launch site.

ITEM 46: NOMENCLATURE; Cradle Missile Stowage, FSN; 1450-448-7425AE, P/N; 327M9571000-029, Qty; 18 each, Type/Model; MHU-35(XC-2)/E. All other blocked data is same as item 45.

TECHNICAL DESCRIPTION

Same as item 45 except fitted to accept the Stage II Missile support ring.

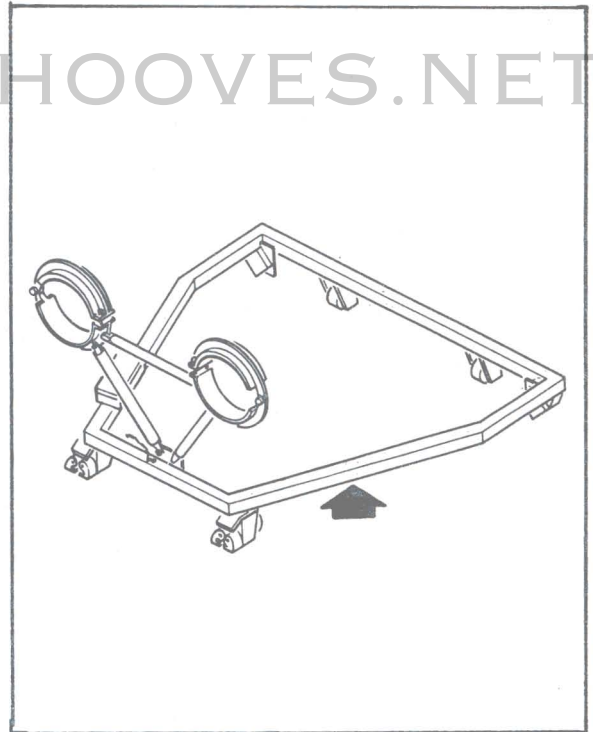
FUNCTIONAL DESCRIPTION

Same as item 45 except supports Stage II.

ITEM NUMBER

48

NOMENCLATURE		
CRADLE, ROCKET ENGINE		
FSN		PART NO.
1450-476-3706AE		1-243880
TYPE/MODEL NO.		MFRS NAME
GSU-71/E		AEROJET GENERAL
DIMENSIONS		WEIGHT
90X90X20 IN		500 LBS
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	CGND	UNIT PRICE
6	0-2	\$4,289
TECH ORDER		
2K-LR87-4		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	LIFT, DOLLY	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



TECHNICAL DESCRIPTION

Unit is of tubular construction and secures the engine to the mobiletainer. Steel construction; 4 wheels.

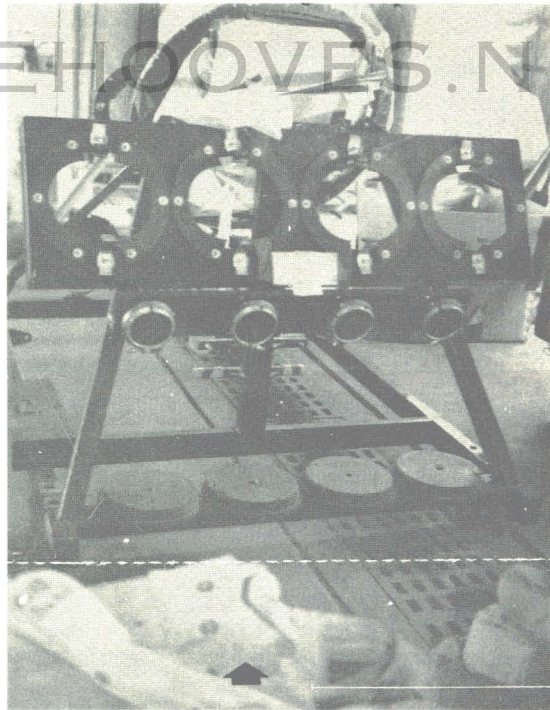
FUNCTIONAL DESCRIPTION

Used to cradle and support the LR87-AJ-3 Rocket Engine during maintenance. Secures the engine to the mobility and rolling onto mobiletainer rails.

ITEM NUMBER

108

NOMENCLATURE		
CRADLE ROCKET ENGINE		
FSN 1450-897-0960AE		PART NO. 255795-9
TYPE/MODEL NO. ETU-52/E		MFRS NAME AEROJET GENERAL
DIMENSIONS 70X50X60 IN		WEIGHT 400 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$4,905
TECH ORDER 21M-HGM25A-3-2-1, 2K-LR9I-4		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

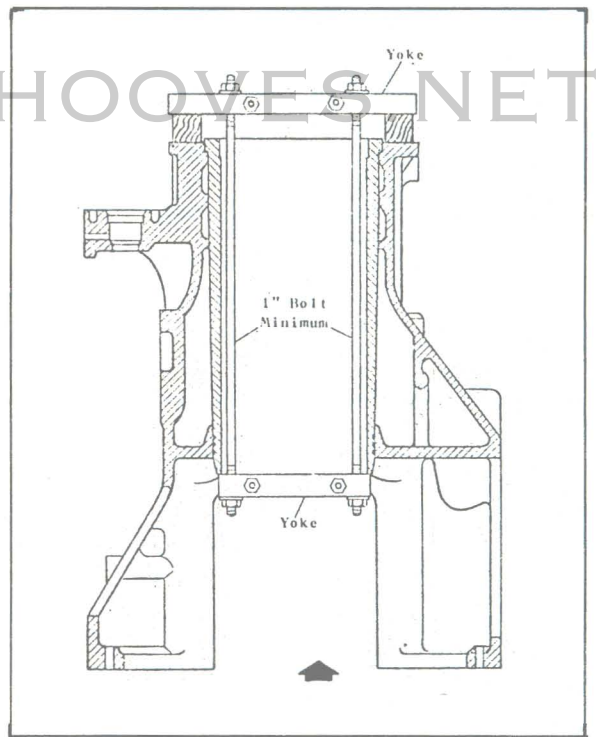
The cradle is of tubular form construction. It attaches to the Engine Frame and supports the Thrust Chamber Throat. Includes four clamps to secure the cradle to the rail system in the transport means. Frame is made of steel.

FUNCTIONAL DESCRIPTION

Item used to cradle and support the second stage engines within the mobiletainer during transportation and storage.

ITEM NUMBER
259

NOMENCLATURE CYLINDER LINER		
FSN 5120-074-8672		PART NO. 8066-0010
TYPE/MODEL NO. NA		MFRS NAME NORDBERG MFG CO
DIMENSIONS NA		WEIGHT NA
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND O-2	UNIT PRICE \$108
TECH ORDER 35R-1-151-4		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Tool consists of two yokes, two 1 IN dia. bolts x 24 IN long, capable of removing cylinder liners having a 13-1/2 IN bore and 16-1/2 IN stroke.

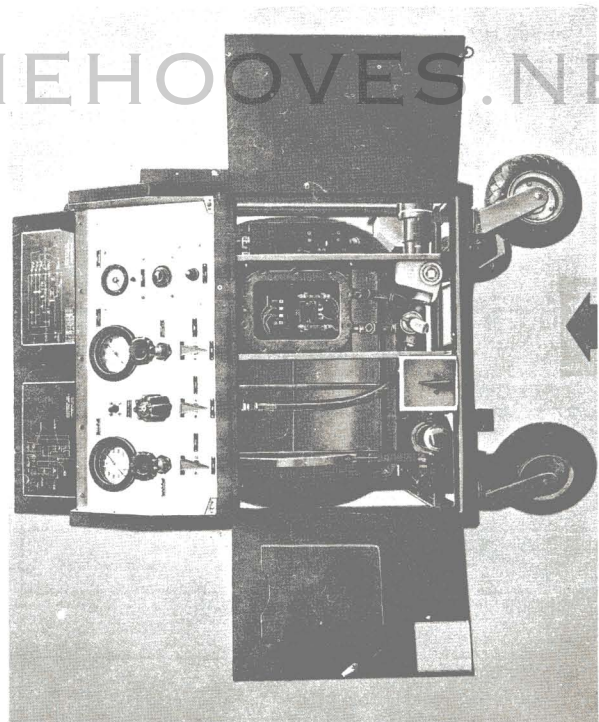
FUNCTIONAL DESCRIPTION

Used to remove cylinder liner from block during engine overhaul of Nordberg Diesel Engines.

ITEM NUMBER

233

NOMENCLATURE DECONTAMINATING UNIT, ROCKET ENGINE		
FSN 4935-979-9828AE		PART NO. 1-240000-19
TYPE/MODEL NO. A/M27M9		MFRS NAME AEROJET GENERAL
DIMENSIONS 53X36X53 IN		WEIGHT 1300 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 5	COND 0-2	UNIT PRICE \$23,011
TECH ORDER 35E17-4-1 & -4		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Pressurizing Medium: Gaseous Nitrogen Spec. MIL-P-27401
 Input: 1500 PSIG (Pounds Pressure Square Inch Gauge)
 Output: 13.5 plus or minus 1.5 PSIG at TCFPV (Thrust Chamber Fuel Purge Valve). 10 to 410 PSIG at Atomizing and heated, N2 outlet.
 Solvent Type: Methylene chloride, Spec., MIL-M-10403
 Input: 55 gallons maximum
 Output: 5 gallons/minute maximum.

FUNCTIONAL DESCRIPTION

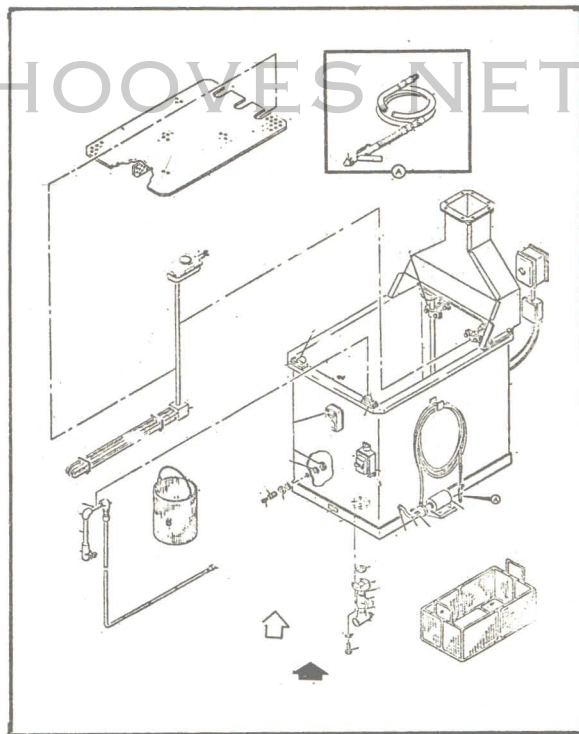
The decontaminating unit is used to degrease and dry, rocket engine systems and is used to control pressurization upstream of the thrust chamber oxidizer valves to prevent solvent from entering propellant lines during decontamination procedure.

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ITEM NUMBER

240

NOMENCLATURE		
DEGREASER		
FSN *4940-784-9966		PART NO. *327M1722000-089
TYPE/MODEL NO.	MFRS NAME	
STATIONARY	MARTIN CO	
DIMENSIONS 28X42X29 IN		WEIGHT NA
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 24	COND 0-2	UNIT PRICE \$1,952
TECH ORDER 34Y3-21-1		
DISCONNECT T 4 HRS	SPEC TOOLS/EQUIP LIFT, DOLLY	
REMOVAL TIME 1 HR	SPEC SKILLS NONE	



*Quantity includes 4940-ND006159P, P/N 327M1722000-109, and 4940-794-4474, P/N 327M1722000-039 which are similar.

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TECHNICAL DESCRIPTION

The motor pump has a 117 (+5.5) VAC, 60 (+0.3) CPS single phase motor. It is supported on the side of the stand by a motor mount and motor mount brace. A hose connects a flange (with opening to tank interior) on the side of the tank to the hydraulic inlet port of the motor pump. A hose with spray nozzle is connected to the hydraulic outlet port of the motor pump. A hanger, mounted on the side of the tank above the motor pump, holds the hose and spray nozzle when not in use. Stationary decontaminating apparatus is equipped with a cover assembly. Access opening 28 in. x 28 in., capacity approximately 140 to 165 gallons.

FUNCTIONAL DESCRIPTION

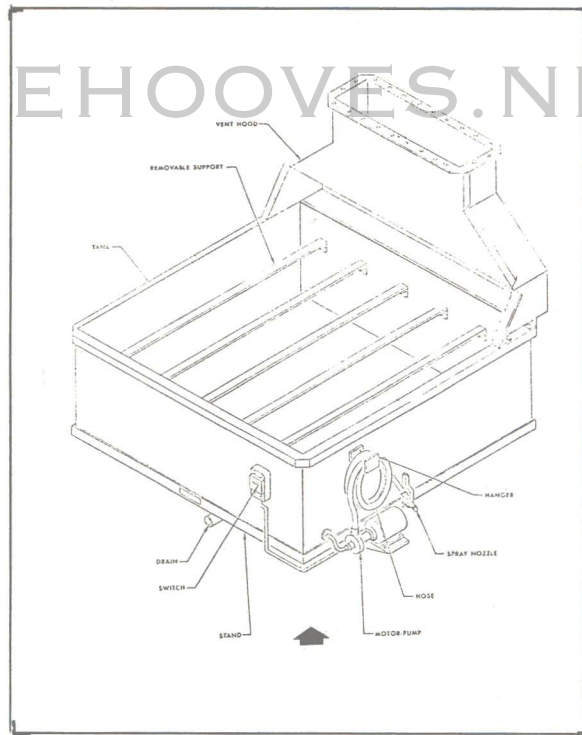
Stationary decontamination apparatus to remove light hydro-carbons from parts.

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ITEM NUMBER

248

NOMENCLATURE		
DEGREASER		
FSN 4940-704-2844		PART NO. 327M1722000-049
TYPE/MODEL NO.	MFRS NAME	
STATIONARY	MARTIN CO	
DIMENSIONS 60X60X24 IN		WEIGHT NA
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 5	COND 0-2	UNIT PRICE \$2,100
TECH ORDER 34Y3-21-1		
DISCONNECT T 8 HRS	SPEC TOOLS/EQUIP DOLLY, LIFT	
REMOVAL TIME 2 HRS	SPEC SKILLS PLUMBER	



TECHNICAL DESCRIPTION

Uses 250 gallon of chlorothene, 117VAC, 60 CPS, single-phase motor. A hose with spray nozzle is connected to the hydraulic outlet part of the motor-pump. Load limit of 150 pounds of parts.

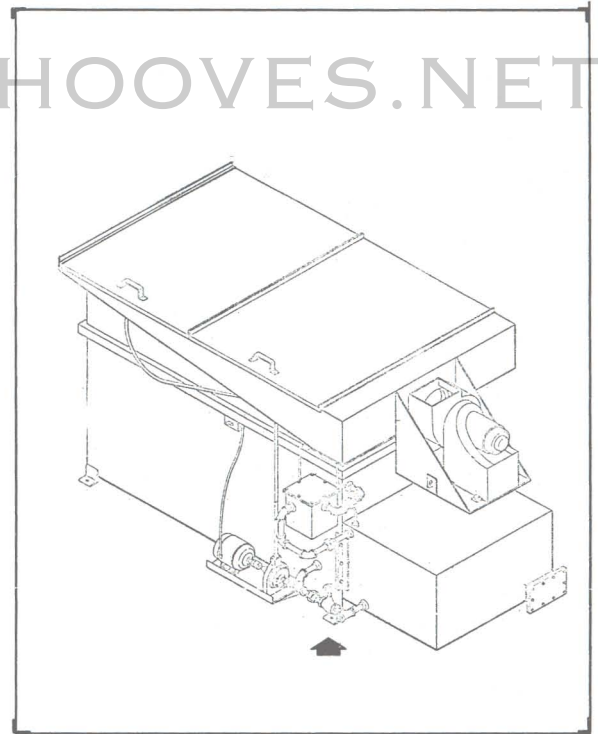
FUNCTIONAL DESCRIPTION

Decontamination apparatus used for solvent cleaning Titan I rocket engine thrust chambers.

ITEM NUMBER

246

NOMENCLATURE		
DEGREASER, VAPOR SPRAY (8J1)		
FSN		PART NO.
4940-294-5936		OP2-85
TYPE/MODEL NO.		MFRS NAME
STATIONARY		CIRCO EQUIP CO
DIMENSIONS		WEIGHT
85X36X36 IN		NA
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
5	0-2	\$1,200
TECH ORDER		
34Y3-4-11		
DISCONNECT T	SPEC TOOLS/EQUIP	
8 HRS	LIFT	
REMOVAL TIME	SPEC SKILLS	
4 HRS	NONE	



TECHNICAL DESCRIPTION

The degreaser is equipped with a 1/4 HP, 115-volt, single-phase, 60 cycle motor, flexible coupling and pump, with appropriate controls, wiring, piping and pump inlet control valve. In addition, a 3/4 HP, 220-volt, three-phase, 60 cycle exhaust motor and blower is provided, with separate controls and associated wiring.

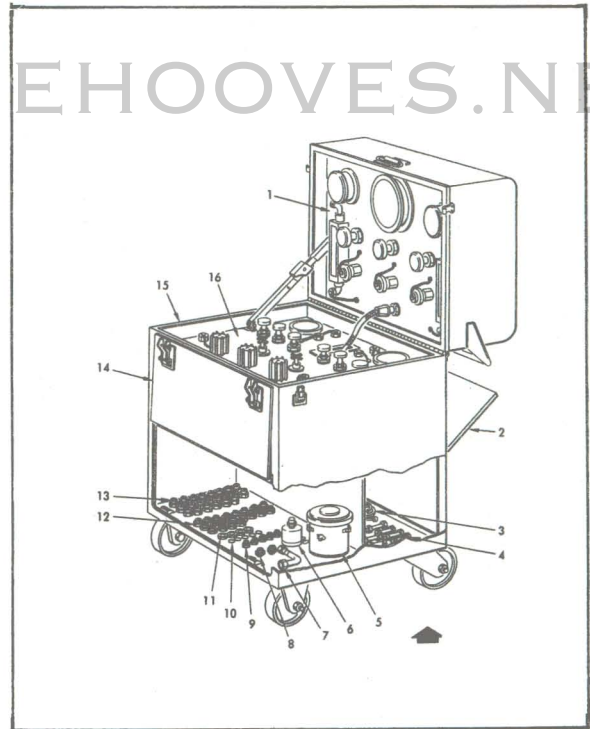
FUNCTIONAL DESCRIPTION

This degreaser is designed to thoroughly remove grease and other contaminants from non-porous metal parts. Parts up to 85 inches long, 36 inches wide and 36 inches high can be accommodated in the vapor area of the degreaser.

ITEM NUMBER

221

NOMENCLATURE		
DETECTOR, LEAK		
FSN 4935-897-5631AE		PART NO. 327 4140200-009
TYPE/MODEL NO. TTU-83/E		MFRS NAME MARTIN COMPANY
DIMENSIONS NA		WEIGHT NA
LOCATION SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY 1	COND 0-2	UNIT PRICE \$9,800
TECH ORDER 33D9-84-7-1		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Capable of pressurizing tanks and gauges reading in one (1) PSI graduations from 0 to 600 PSI. From 0 to 2000 PSI and one that reads from 500 to 800 PSI. Single cabinet on wheels containing all necessary equipment to check tank leaks. Storage space for flex hoses and necessary adaptors, capability to bleed system without loosening fittings. Hose assemblies are designed so LOX, fuel, and hot gas hoses cannot be interchanged to prevent system contamination.

FUNCTIONAL DESCRIPTION

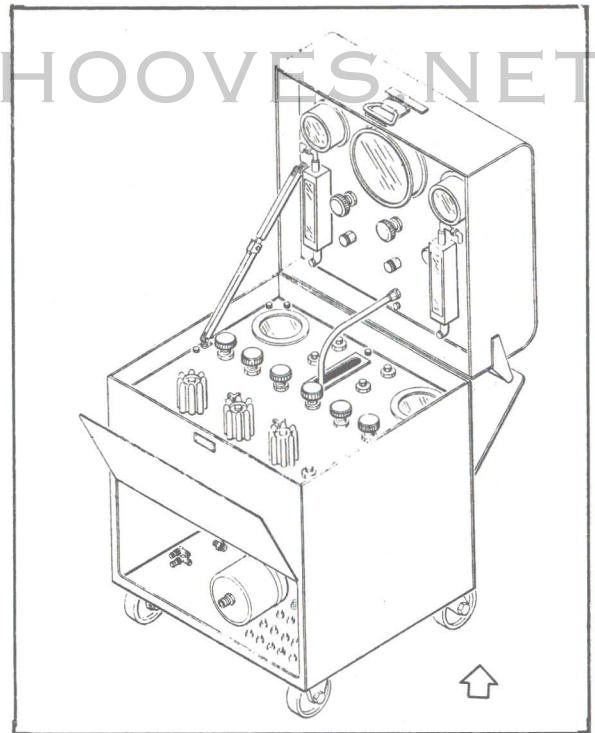
Check leaks in Titan I missile LOX, fuel, pressurization and engine system. Detects location and magnitude of leaks. To detect leaks by the pressurization method, the leak detector is attached to the system being tested by means of adaptors supplied with unit. The pressure is gradually applied by opening applicable control valve. When desired pressure is reached, control valve is closed. Leakage is measured by observing rate of pressure decay.

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ITEM NUMBER

237

NOMENCLATURE		
DETECTOR, LEAK		
F SN 4935-991-9859AE	PART NO. 327-4140200-019	
TYPE/MODEL NO.	MFRS NAME	
PORTABLE	MARTIN CO	
DIMENSIONS 27X30X33 IN	WEIGHT 300 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 2	COND 0-2	UNIT PRICE \$5,837
TECH ORDER 33D9-84-7-1		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Single cabinet on wheels containing all necessary equipment to check leaks in the Titan I missile LOX, fuel, pressurization and engine systems. Equipment includes ten flex hoses, 12 metal tube assemblies and all necessary adapters, clamps, reducers, unions and elbows. Gauges read in one (1) PSIG graduation from 0 to 600 PSIG, 0-2000 PSIG and 500 to 800 PSIG.

FUNCTIONAL DESCRIPTION

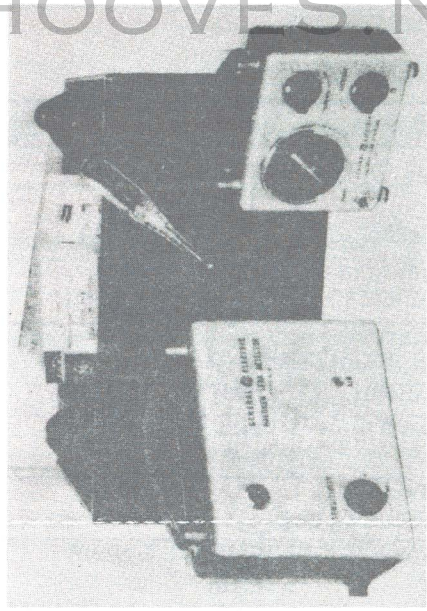
Check leaks in Titan I missile LOX, fuel, pressurization and engine system. Detects location and magnitude of leaks.

ITEM NUMBER

247

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NOMENCLATURE		
DETECTOR, LEAK, REFRIGERATION		
FSN 4940-630-7947		PART NO. H6SA4
TYPE/MODEL NO. NA	MFRS NAME GENERAL ELECTRIC	
DIMENSIONS SEE BELOW	WEIGHT NA	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 3	COND 0-2	UNIT PRICE \$193
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



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TECHNICAL DESCRIPTION

Control Unit, 120VAC, 35 watts, 8X6X4-1/2 IN, leak standard, probe extension 15 Ft long, maintenance kit, carrying case, 16X8-1/2X9 IN. Will detect refrigerant leakage down to 1/2 ounce per year at 0 to 1,000 PPM.

FUNCTIONAL DESCRIPTION

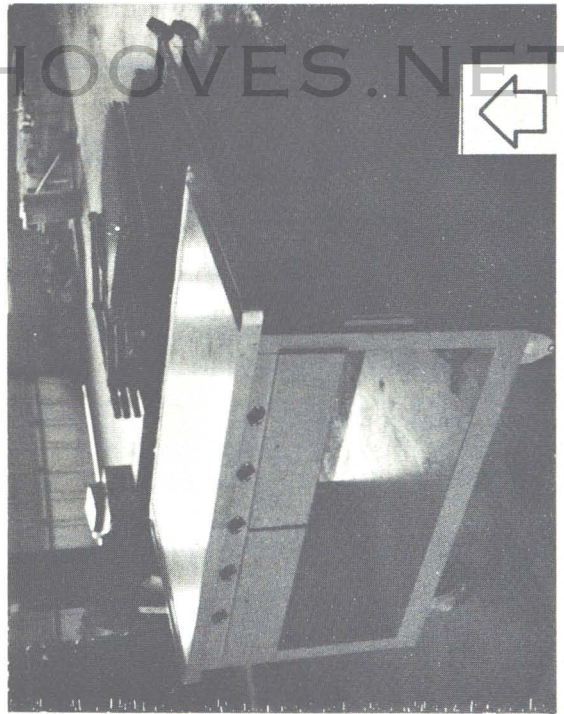
Used for testing leaks in refrigeration and air conditioning equipment.

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ITEM NUMBER

191

NOMENCLATURE		
DOLLY, TEST EQUIPMENT		
F SN	PART NO.	
4935-778-7037AE	327N4966000-009	
TYPE/MODEL NO.	MFRS NAME	
GSUS1(XC-1)/E	MARTIN COMPANY	
DIMENSIONS	WEIGHT	
46X24X34 IN	NA	
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION		
QUANTITY	COND	UNIT PRICE
18	0-2	\$1,700
TECH ORDER		
NA		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



TECHNICAL DESCRIPTION

Fabricated of No. 16 gage cold rolled steel and is of welded construction. Has a work surface of insulating material surrounded by a spill rail; five receptacles, 2 stationary six inch dia. wheels. The work surfaces approx. 24 in. by 42 in. Storage drawers are approx. 5-1/2 in. deep.

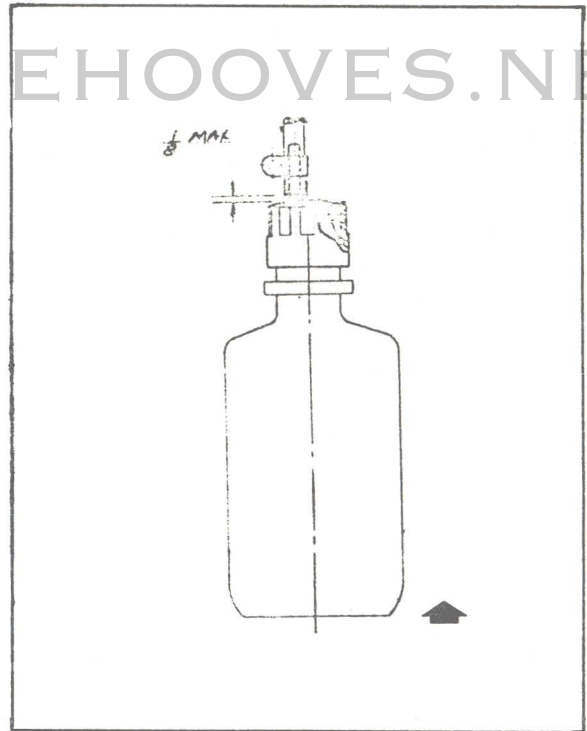
FUNCTIONAL DESCRIPTION

Used for local movement of facility chassis in the launch complex area.

ITEM NUMBER

93

NOMENCLATURE DRAIN UNIT, RESIDUAL FUEL, PORTABLE		
FSN 1450-856-5736AE		PART NO. 327N8570000-009
TYPE/MODEL NO. NA	MFRS NAME MARTIN CO	
DIMENSIONS SEE BELOW	WEIGHT 5 OZ	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 54	COND 0-2	UNIT PRICE \$400
TECH ORDER 2KLR91-3		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

The fuel drain set consists of six polyethylene tubes connected to a polyethylene collecting bottle (2 IN dia X 5-1/2 IN h, 1 pint capacity) through a common stainless steel manifold. The tubes are of suitable length and diameter to allow draining simultaneously through six allen drain valves on the auxiliary turbine pump assy. 6 Martin Standard hose clamps are included.

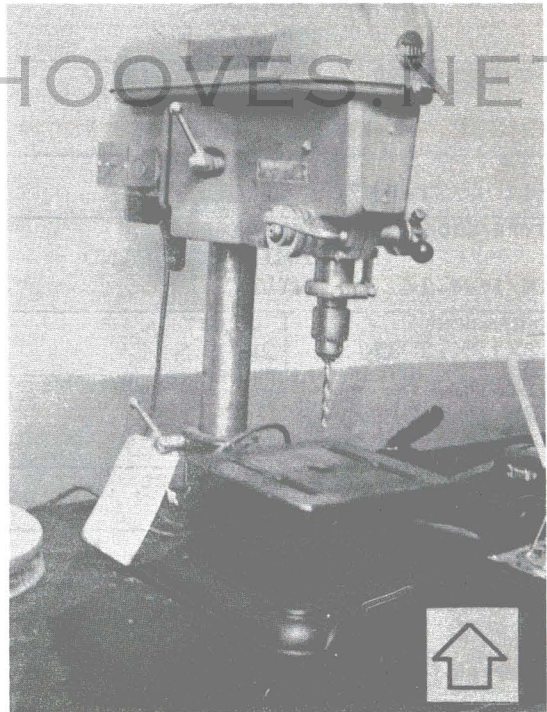
FUNCTIONAL DESCRIPTION

The function of the portable residual fuel drain unit is to provide storage for residual fuel drainage from five drain valves on stage II engine during transportation or storage of the engine, or second stage missile with engine attached.

ITEM NUMBER

125

NOMENCLATURE		
DRILL PRESS		
FSN 3413-528-7840		PART NO. NA
TYPE/MODEL NO. NA	MFRS NAME NA	
DIMENSIONS SEE BELOW		WEIGHT 25 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 5	COND 0-2	UNIT PRICE \$106
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

1/2 inch drilling capacity in mild steel; 1 spindle, solid male tapered type for drill chuck, 1/2 inch key chuck size, 4 inch min. spindle travel, 7 inch from column to center of spindle; sliding head type, 17 inch vertical adjustment; 360° swivel, 90 degree right or left tilt. Base, slotted type, rectangular, 10 inch min lg, 7 inch min width, located at base. Main drive power, electric motor driven, 1/3 HP, 115VAC, 60 cycles, single phase, non-reversible 4 spindle speeds; 680 RPM to 4600 RPM. RED, 00-D-676a, Class 1, Style A.

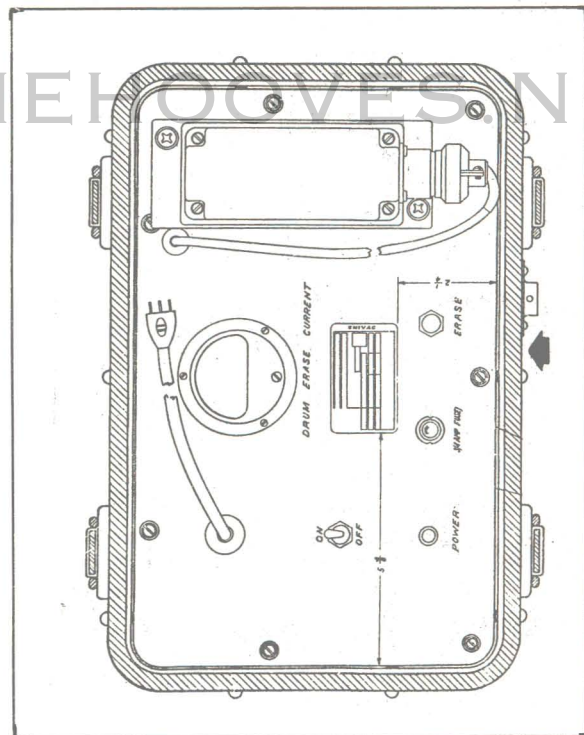
FUNCTIONAL DESCRIPTION

Drill Press, Upright, Bench Mounted, Hand Feed Type. Used for Required Drilling Operations.

ITEM NUMBER

318

NOMENCLATURE		
ERASER, MAGNETIC (PORTABLE)		
FSN 7440-777-6571		PART NO. 20736
TYPE/MODEL NO. AN/PSM-14	MFRS NAME REMINGTON RAND UNIVAC	
DIMENSIONS 12X12X12 IN	WEIGHT 20 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$855
TECH ORDER 21M-HGM25A-2-6-2		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

The magnetic drum eraser is mounted in a lightweight, fiberglass, combination type instrument case. The cover contains a carrying handle, air relief valve, and a humidity sensitive indicator. The air relief valve is used to admit air into the cover before the cover is removed and it is used to seal the magnetic drum eraser when the cover is locked in place. The sealed case protects the eraser unit circuitry from the corrosive effect of humid air while the unit is stored. The humidity indicator gives a direct indication of the percent relative humidity within the cover of the instrument case. The eraser may be easily removed from its case by simply releasing seven quick disconnect fasteners. This unit generates an AC output current which as a linear variance with respect to time, from zero milliamperes AC to 500 ± 100 milliamperes AC and then back to zero milliamperes. The slope of the AC erase current is approximately 0.15 ampere/second. An 82-pin connector attached to a two-conductor rubber covered cable from the eraser provides the electrical connections necessary between the eraser and the magnetic drum storage section of the computer set. Generation of the erase current cycle is initiated when the erase pushbutton is depressed. The magnetic drum eraser input power requirements are: 120 ± 12 VAC, 60 ± 5 CPS, 60 watts.

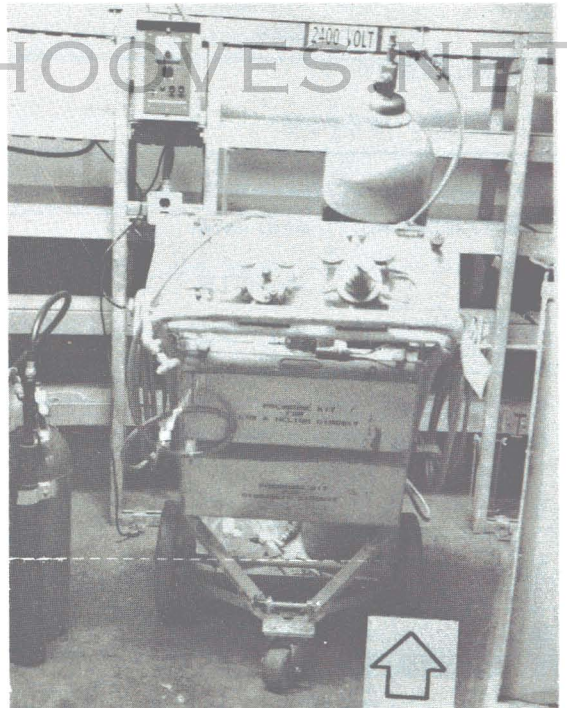
FUNCTIONAL DESCRIPTION

The magnetic eraser is a self contained, portable instrument designed to erase simultaneously all information stored on 28 tracks of the magnetic drum used in the missile guidance computer.

ITEM NUMBER

50

NOMENCLATURE		
FILLER, NITROGEN SYSTEM		
FSN		PART NO.
1450-722-2443AE		327M1908000-039
TYPE/MODEL NO.		MFRS NAME
MXU-44 (XC-3)/E		MARTIN COMPANY
DIMENSIONS		WEIGHT
40X18X50 IN		360 LBS
LOCATION		
SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
19	0-2	\$2,000
TECH ORDER		
21M-HGM25A-2-12		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



TECHNICAL DESCRIPTION

The Nitrogen System Filler Unit basically consists of two standard nitrogen cylinders (2250 PSIG) mounted on a three wheel cart. The cart is capable of being pulled by an electric tug throughout the tunnels of the launch complex. The unit contains two separate nitrogen supply circuits: one to service hydraulic systems and the other to service liquid oxygen and helium systems. Each supply circuit contains its own gauges, valves and quick disconnects and the mating quick disconnects are non-interchangeable, so as to prevent system contamination.

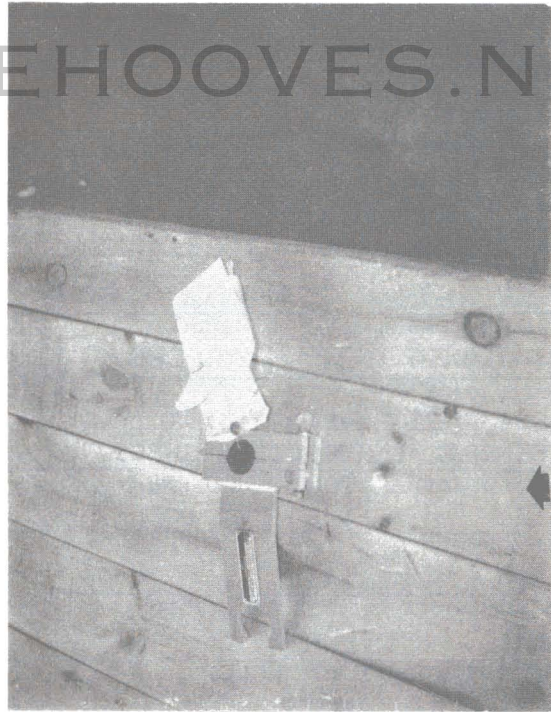
FUNCTIONAL DESCRIPTION

This is a Mobile Nitrogen Filler Cart used to manually transport and supply nitrogen gas to the following systems: 1. Power Pack Room Accumulators, location: Equipment Terminal. 2. Middle and lower Umbilical Retroaction Mechanism, location: Missile Silo. 3. Tower Tilt mechanism, location: Missile Silo. 4. Launcher Platform Control System, location: Missile Silo. The unit consists of two pressure consoles consisting of pressure gauges, pressure regulators, valves, connectors and piping. One console is used to perform checks on the hydraulic portion of the facility. The other console is used to perform check on the LOX and helium portion of the facility.

ITEM NUMBER

229

NOMENCLATURE		
FIXTURE, HOLDING		
FSN 4935-977-8347AE		PART NO. 327P1540000-009
TYPE/MODEL NO. NA		MFRS NAME MARTIN COMPANY
DIMENSIONS SEE BELOW		WEIGHT 6 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$150
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Holding Fixture, Actuator Cycling Set: Aluminum construction, block hinged on one end with thumb screw on opposite end, hole drilled in center of block with split grommet to fit lock-up link; extension arm with 14 inch, angle attached to block, slotted end and hole drilled to fit actuator. Overall dimensions (block 5X3X2 1/8 In.) - (extensions are 7X3X1 In.).

FUNCTIONAL DESCRIPTION

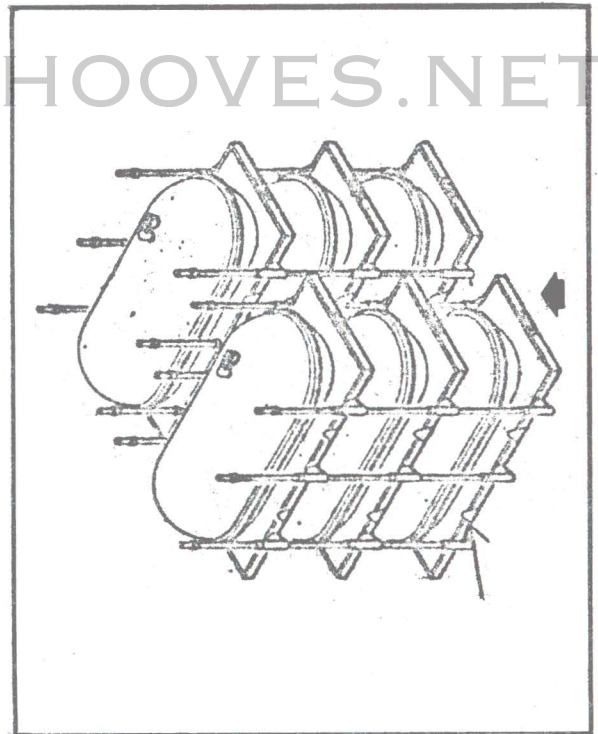
Actuator cycling set, holding fixture to hold hydraulic actuators while they were being stroked on Titan I missile.

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ITEM NUMBER

206

NOMENCLATURE		
FRAME, SUPPORT		
FSN 4935-801-1584		PART NO. 59-209-1584
TYPE/MODEL NO.		MFRS NAME
NA		AM&F
DIMENSIONS 92X42X108 IN		WEIGHT 200 LBS
LOCATION SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY 30	COND 0-2	UNIT PRICE \$300
TECH ORDER 21M-HGM25A-2-8-5, 35M3-2-4-14		
DISCONNECT T NA	SPEC TOOLS/EQUIP LIFT/DOLLY	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Rectangular 1.25 inches by 2.5 inches aluminum tubing frame, supporting aluminum sheet, 3 tier, can be disassembled for storage.

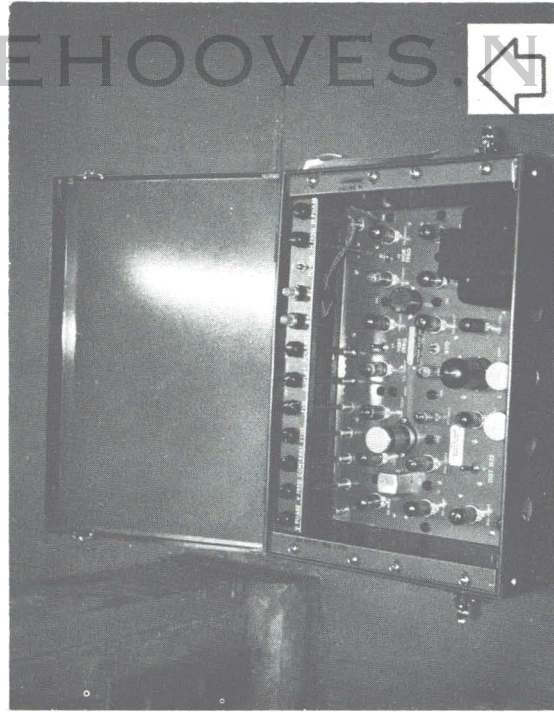
FUNCTIONAL DESCRIPTION

Used to support collapsible pillow tanks when hydraulic fluid is drained from reservoir. When erected, bunkbed tier style, it will accommodate full capacity storage.

ITEM NUMBER

305

NOMENCLATURE		
GENERATOR, BARDOT		
FSN 6625-794-1958		PART NO. V6B
TYPE/MODEL NO. NA		MFRS NAME FOTO-VIDEO LAB INC
DIMENSIONS 25X15X18 IN		WEIGHT 45 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$1,200
TECH ORDER 33D9-116-2-2		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Provides video signals and synchronizing pulses. Output signals cause vertical and horizontal lines and dots to be displayed on television display cathode ray tubes. Input power 115V AC 60 cycles.

FUNCTIONAL DESCRIPTION

Provides a signal to check and align the vertical and horizontal linearity of the TV monitor.

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