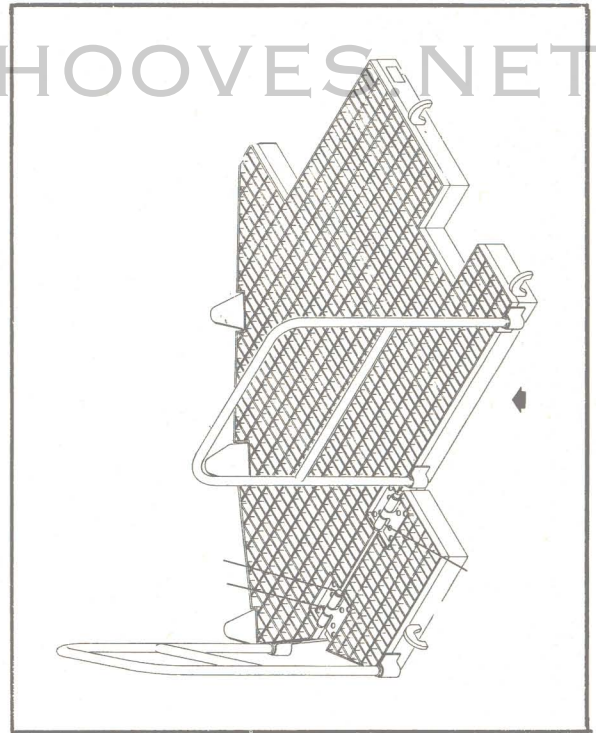


ITEM NUMBER

28

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NOMENCLATURE		
PLATFORM, EXTENSION		
FSN *		PART NO. *
1450-082-8965AE		59-209-1675
TYPE/MODEL NO.	MFRS NAME	
NA	AM&F	
DIMENSIONS		WEIGHT
68X74X64		NA
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
18	0-2	\$1,600
TECH ORDER 21SM68-2J-8-2		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	LIFT/DOLLY	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



\*Quantity includes 1450-082-8968AE, P/N 59-209-1508, Dim. 67X64X60 IN and 1450-082-8969AE, P/N 59-209-1505, Dim. 64X58X57 IN which are similar.

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TECHNICAL DESCRIPTION

Extension, Platform, Consists of two (2) aluminum support weldments, hinged together, covered with aluminum grating. Each platform has 3 strap supports and 3 hooks for attachment to quadrant IV on Face "D" of crib structure.

FUNCTIONAL DESCRIPTION

Maintenance Platform including two safety rails and hooks on sides for installation on tubing frame.

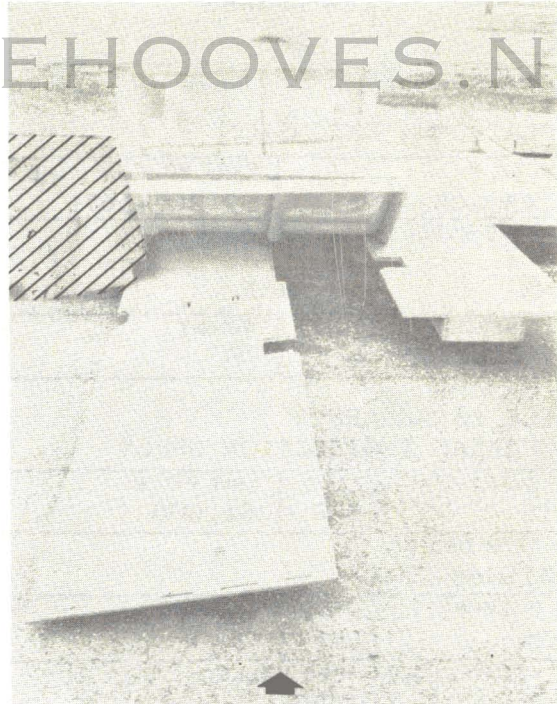
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ITEM NUMBER

104

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NOMENCLATURE		
PLATFORM, INSTALLATION		
FSN 1450-888-6399AE		PART NO. 59-202-9039-2
TYPE/MODEL NO.  NA	MFRS NAME  AM&F	
DIMENSIONS 27X23X4 FT	WEIGHT 1,000 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 3	COND 0-2	UNIT PRICE \$2,772
TECH ORDER 21M-HGM25A-2J-2-1		
DISCONNECT T NA	SPEC TOOLS/EQUIP HOIST	
REMOVAL TIME NA	SPEC SKILLS NONE	



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TECHNICAL DESCRIPTION

Platform installation, Stage I erection; consists of 4 work platforms (P/Ns 59-202-1866-4, 59-202-1867-4, 59-202-1868-4, and 59-202-1869-4) and 4 guardrails (P/Ns 59-202-1253, 2 ea, 59-202-1256-2, and 59-202-1255); 27 ft. long by 23 ft. wide by 4 ft. high overall dimensions assembled.

FUNCTIONAL DESCRIPTION

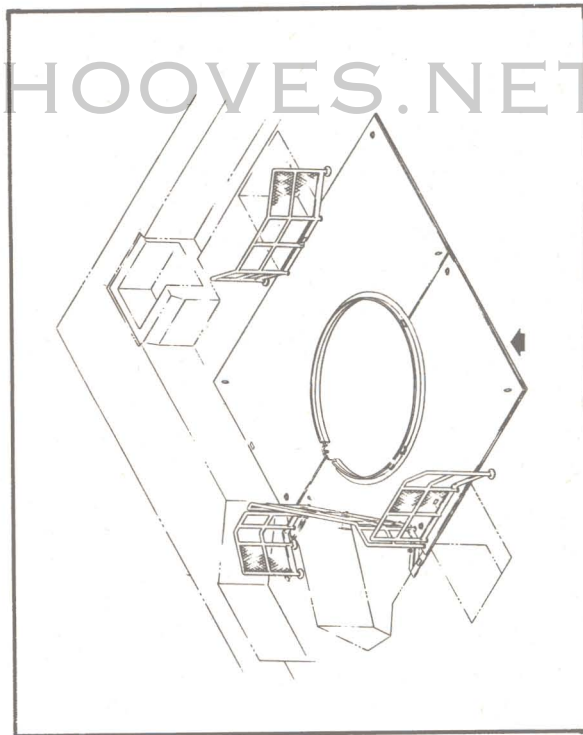
The Stage 1 Platform bridges the gap between silo door foundation and service platform after the Closure Doors have been opened and the launcher platform has been raised to the correct elevation. It is used by personnel during the emplacement of Stage 1 on the Launcher Platform to permit access to the Missile for guiding and securing Stage 1. Guard rails encompassing Umbilical Tower opening and Door Closure Cylinder area provide safety for personnel.

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ITEM NUMBER

103

NOMENCLATURE PLATFORM, INSTALLATION STG II ERECTION		
FSN 1450-888-6398AE		PART NO. 59-202-9011-2
TYPE/MODEL NO. NA		MFRS NAME AM&F
DIMENSIONS 20X20X6 FT		WEIGHT 5,005 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$7,000
TECH ORDER 35M3-2-4-14, 21-SM68-2J-2-1		
DISCONNECT T NA	SPEC TOOLS/EQUIP CRANE	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

Platform Installation Stage II, Erection, is located at ground level. Consists of the following parts: 59-202-1241-2 Work Platform 20 Ft X 10 Ft, 2,500 lbs. This platform is mounted on the silo mouth foundation at quadrants 1 and 4. 59-202-1242-2 Work Platform, 20 Ft X 10 Ft, 2,250 lbs. This platform is mounted on the silo mouth foundation at quadrants 2 and 3. 59-202-1253 Guardrail Platform, 50 lbs, mounted on door foundation at ground level at quadrants 1 and 4. 59-202-1254 Guardrail Platform, 45 lbs, mounted on door foundation at ground level at quadrants 2 and 3. 59-202-1254 Guardrail Platform, 80 lbs, mounted on work platform at quadrant 2 encompassing umbilical tower opening. 59-202-1256 Guardrail Platform, 40 lbs, mounted on outboard side of silo mouth at quadrant 2, attached to 59-202-1242-2. Work Platform and Foundation Guardrails consist of 1.9 IN diameter aluminum tubing and expanded aluminum metal which sheathes railing opening. 59-202-1251 Kickplate Platform, 40 lbs, mounted on both platforms and encompassing the missile opening

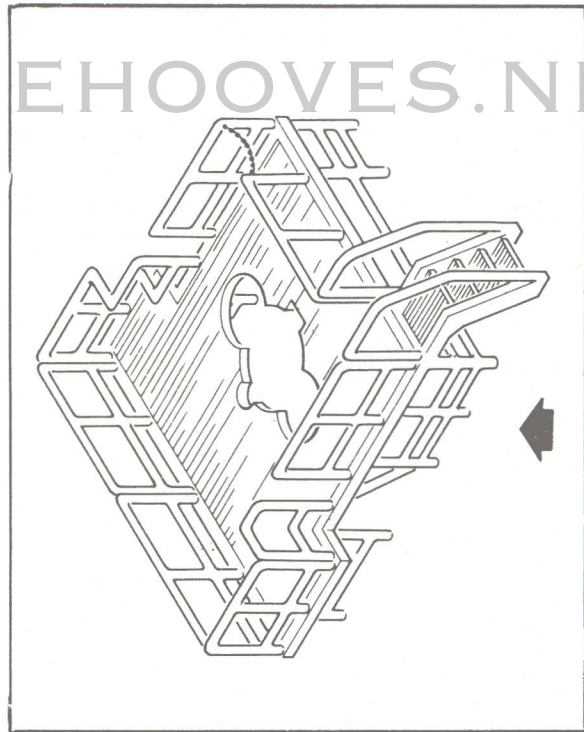
## FUNCTIONAL DESCRIPTION

Bridges gap between silo door foundation and forward end of Stage I, after the Stage I platform has been removed and the launch platform has been lowered to the level for the mating of Stage I and II.

## ITEM NUMBER

25

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN * 1450- NC801502RAE		PART NO. * 1-236606-19
TYPE/MODEL NO.		MFRS NAME
ETU-59E		AEROJET GEN CORP
DIMENSIONS 222X168X42 IN		WEIGHT 450 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
8	0-2	\$2,000
TECH ORDER		21M-HGM25A-3-2-1
2K-LR91-4, LR91-AJ-3		
DISCONNECT T		SPEC TOOLS/EQUIP
NA		LIFT/DOLLY
REMOVAL TIME		SPEC SKILLS
NA		NONE



\*Quantity includes 1450-979-9823AE, Part No. 1-236606-19 which is similar.

## TECHNICAL DESCRIPTION

Unit is a semi-fixed stand constructed from steel grating with removable sections. Includes steps for access and removable safety rails.

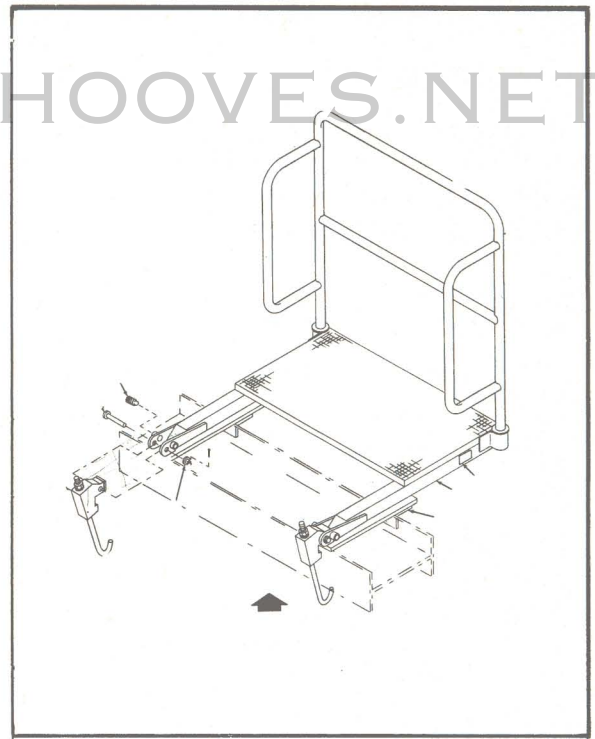
## FUNCTIONAL DESCRIPTION

Item used to support personnel and equipment during the overhaul and maintenance of the engines.

## ITEM NUMBER

27

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN	PART NO.	
1450-082-8964AE	59-209-1674	
TYPE/MODEL NO.	MFRS NAME	
NA	AM&F	
DIMENSIONS	WEIGHT	
32X18 IN	NA	
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
7	0-2	\$900
TECH ORDER		
21M-HGM25A-2-8-5		
DISCONNECT T	SPEC TOOLS/EQUIP	
1/2 HR	NONE	
REMOVAL TIME	SPEC SKILLS	
1/2 HR	MECHANIC	



Items 27 and 100

## TECHNICAL DESCRIPTION

Cantilever type maintenance platform having hooks to attach to crib I beam. Constructed of 3 inch aluminum channel covered with aluminum grating. Brackets welded to three sides to support guard railings.

## FUNCTIONAL DESCRIPTION

Required to gain access to hydraulic actuator cylinders located on levels 2, 3, and 4 during the repair or removal of cylinders. Unit is attached to crib structure by means of movable and adjustable hooks mounted at ends of support beams beneath base grating. Three sides of platform are enclosed with guard railings.

ITEM NUMBER 100 FSN-1450-877-2051AE, Part No. 59-209-1164, Dimensions, see below. Weight 50LBS, Quantity 12, Unit Price \$350 All other block data is same as item 27.

## TECHNICAL DESCRIPTION

An aluminum, rectangular platform, 31 3/4 in. by 24 in., with a rectangular extension 16 in. by 8 in., provided with a 3 ft. hand rail. Covered with aluminum grating and screen braced between the 24 in. side and the 16 in. leg.

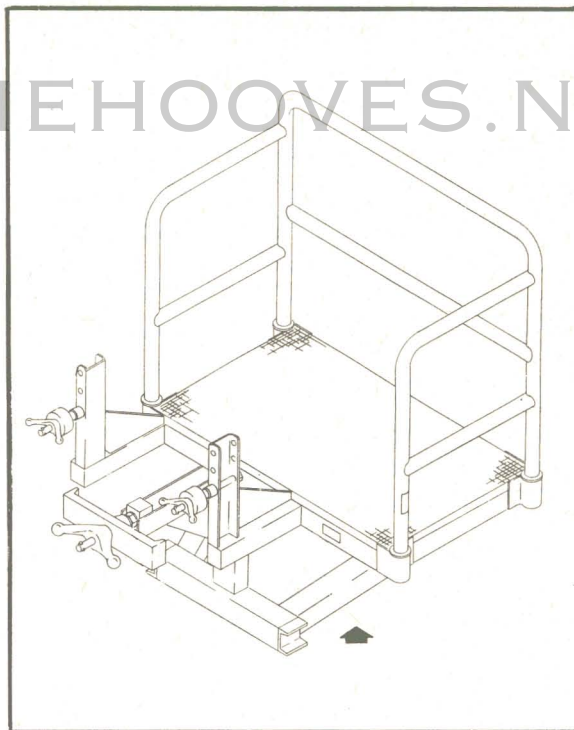
## FUNCTIONAL DESCRIPTION

To gain access for maintenance of tilting mechanism hydraulic components and explosive bolt release unit at the umbilical tower.

## ITEM NUMBER

29

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN		PART NO.
*1450-082-8966AE		*59-209-1677
TYPE/MODEL NO.		MFRS NAME
NA		AM&F
DIMENSIONS		WEIGHT
36X24X39 IN		200 LBS
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
13	0-2	\$1,035
TECH ORDER		
21M-HGM25A-2-8-5		
DISCONNECT T	SPEC TOOLS/EQUIP	
2 HRS	LIFT, DOLLY	
REMOVAL TIME	SPEC SKILLS	
2 HRS	NONE	



\*Quantity includes 1450-082-8967AE, Part No. 59-209-1507 which is similar.

## TECHNICAL DESCRIPTION

Maintenance Platform, cylinder assembly, actuating linear: Rectangular aluminum work platform; approximately 36 inch long by 24 inch wide; working area is covered w/grating. Guard rails protect three sides. Triangular bracing is attached under platform grating for attachment to crib structure with two adjustable clamps.

## TECHNICAL DESCRIPTION

Required to gain access to Hydraulic Actuating Cylinder (59-211-1937) located on Level 2, Face "A" and "B", and Hydraulic Actuating Cylinder (59-211-1937-2) located on Level 3, Face "A" from outside crib structure, in order to check cylinder. Clamps can be installed from within crib structure. Unit is attached to outer face of the crib on Face A, B, and D, Level 4 work platform.

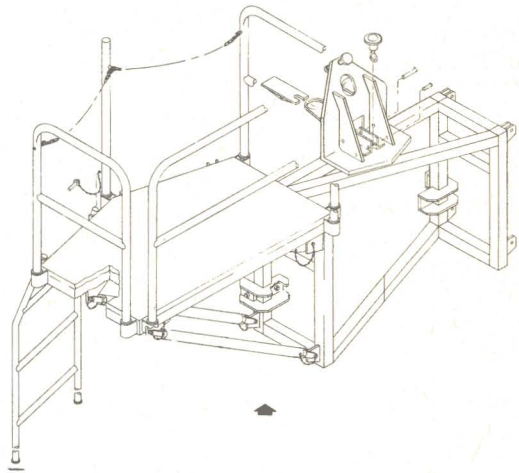
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ITEM NUMBER

37

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NOMENCLATURE		
PLATFORM, MAINTENANCE		
F SN 1450-083-2293AE		PART NO. 59-209-1231
TYPE/MODEL NO.	MFRS NAME	
NA	AM&F	
DIMENSIONS 44X28X48 IN		WEIGHT 215 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$2,500
TECH ORDER 35M3-2-4-14, 21M-HGM25A-2-8-5		
DISCONNECT T 2 HRS	SPEC TOOLS/EQUIP HOIST AND DOLLY	
REMOVAL TIME 1 HR	SPEC SKILLS NONE	



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TECHNICAL DESCRIPTION

Aluminum with grating covered working surface, has guard rails and is removable.

FUNCTIONAL DESCRIPTION

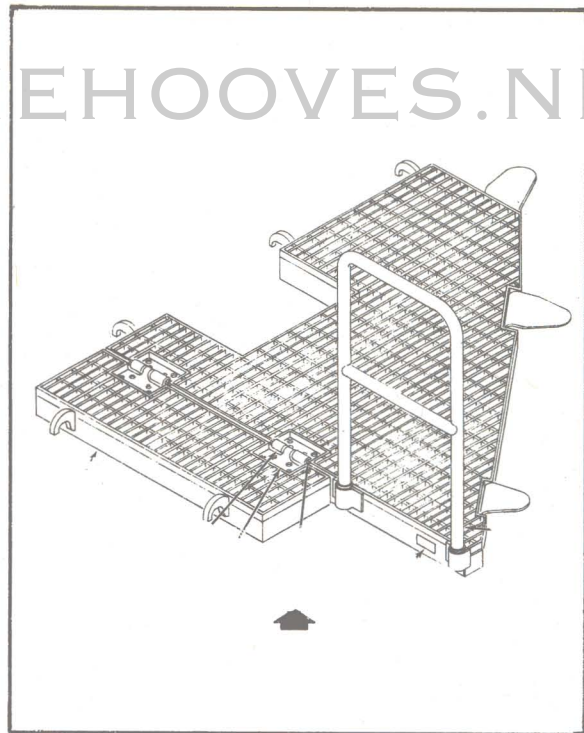
Provides maintenance access to area beneath hammerhead. Provides access to areas that do not have installed, work platform. A platform or stand for technicians to work from, place tool boxes and parts on. Can be disassembled and removed from the area when no longer required.

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## ITEM NUMBER

40

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN		PART NO.
1450-084-9782AE		59-209-1515
TYPE/MODEL NO.		MFRS NAME
NA		AM&F
DIMENSIONS		WEIGHT
60X60X50 IN		NA
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
6	0-2	\$1,700
TECH ORDER		
NA		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	LIFT/DOLLY	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



## TECHNICAL DESCRIPTION

Consists of two (2) triangular platforms, aluminum construction, structural grade covered with grating and screen. Each platform has 3 pin brackets and 3 angle brackets for support and a chain type safety railing. These platforms will conform to work on all platform levels (Crib corners, quadrant 1) on Face "D" of the crib structure.

## FUNCTIONAL DESCRIPTION

The Platforms extensions are required to permit the use of Scaffold Section to gain access to the Cable Tension Equalizers and Cable Tension Equalizer Valves, located on Face "D" of the crib structure. The platform extensions are installed in the crib corners of the crib structure. They rest on the work platforms and the horizontal members of the crib structure. The three pin type brackets match with holes on the existing work platforms and the three angled brackets attach to the existing crib structure. They are removed upon completion of maintenance activities.

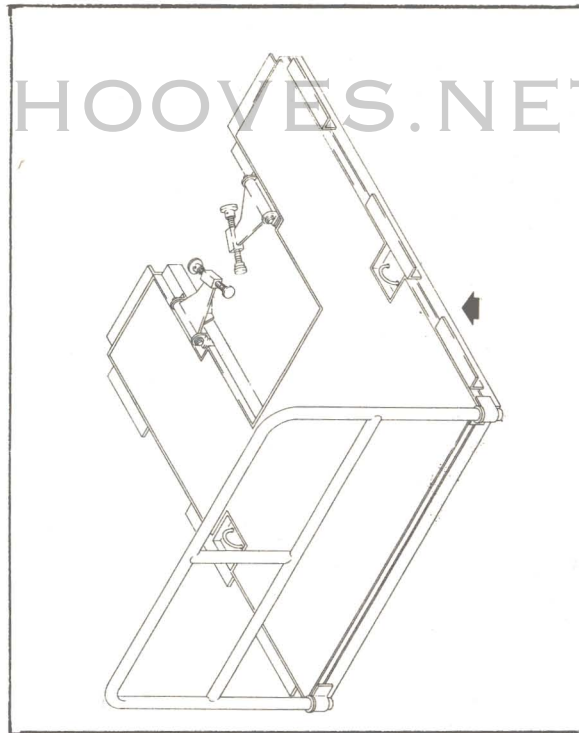
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## ITEM NUMBER

79

NOMENCLATURE PLATFORM, MAINTENANCE		
FSN 1450-807-1112AE		PART NO. 59-209-1159
TYPE/MODEL NO.  NA	MFRS NAME  AM&F	
DIMENSIONS SEE BELOW	WEIGHT 60 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 4	COND 0-2	UNIT PRICE \$500
TECH ORDER 21M-HGM25A-2-8-5		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

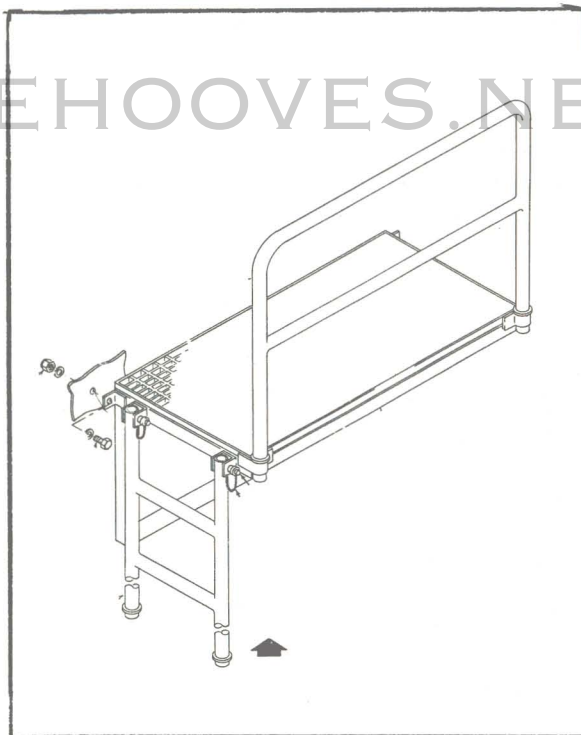
Maintenance platform has an aluminum non-skid surface, approximately 4 Ft long by 4 Ft wide. The bracing extends 3 Ft from the edge of the working surface to the hooking devices on the platform. A 7 Ft ladder of aluminum tubing is required for access to platform.

## FUNCTIONAL DESCRIPTION

This platform permits access to the umbilical tower housing containing the cylinder assembly, actuating pivoting tower and hydraulic valves.

ITEM NUMBER  
80

NOMENCLATURE PLATFORM, MAINTENANCE		
FSN 1450-807-1115AE		PART NO. 59-209-1161
TYPE/MODEL NO. RIGID PLATFORM		MFRS NAME AM&F
DIMENSIONS 60X68 IN		WEIGHT 110 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 2	COND 0-2	UNIT PRICE \$2,000
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



#### TECHNICAL DESCRIPTION

This maintenance platform is made of aluminum, 3/16 IN thick. Platform is made to support men and equipment. Also platform can be disassembled for storage.

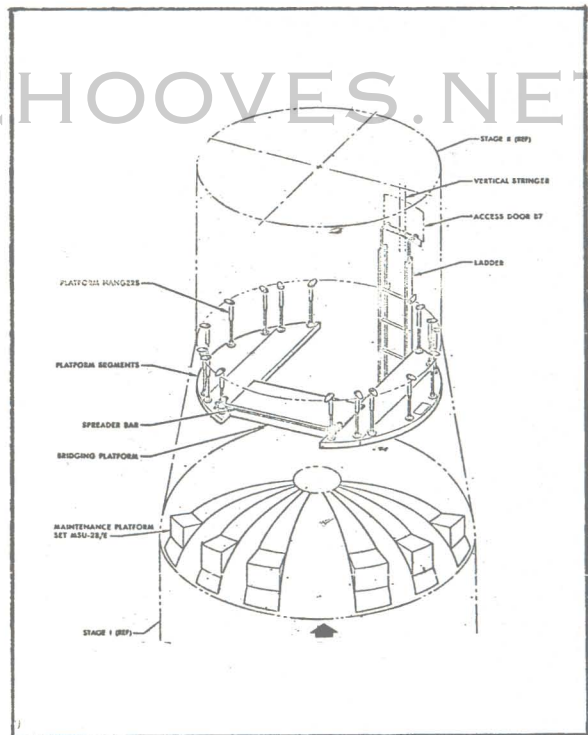
#### FUNCTIONAL DESCRIPTION

This maintenance platform is used for repair and inspection of silo door cylinders. It is capable of supporting men and equipment. Platform has support angles which rest on the concrete curb surrounding the closure door cylinders.

## ITEM NUMBER

98

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN 1450-863-7352AE		PART NO. 327N1530000-009
TYPE/MODEL NO.	MFRS NAME	
NA	MARTIN CO	
DIMENSIONS	WEIGHT	
NA	NA	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
9	0-2	\$950
TECH ORDER 21M-HGM25A-2-2-1		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



## TECHNICAL DESCRIPTION

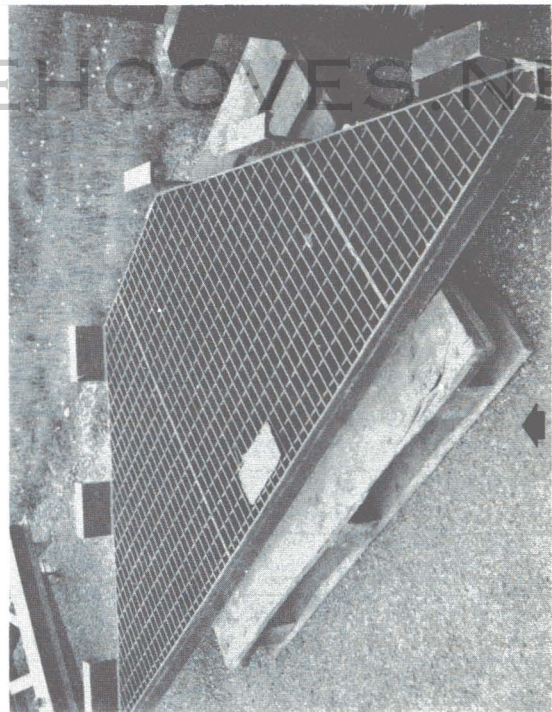
Maintenance platform consists of an 8 Ft diameter, 3 section platform assembly, hanger, ladder, bridging, and spreader tube. Portable, light-weight platform; working surface of welded and bolted construction. Material: Aluminum alloy.

## FUNCTIONAL DESCRIPTION

The platform is required to allow access to the upper regions of Stage II engine compartment for degreasing operations, ignition servicing and miscellaneous component replacement or modification activities.

ITEM NUMBER

101



NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN 1450-877-2052AE		PART NO. 59-209-1184
TYPE/MODEL NO.	MFRS NAME	
NA	AM&F	
DIMENSIONS 88X34 IN		WEIGHT 300 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$300
TECH ORDER 35M3-2-4-14, 21M-HGM25A-2-8-5		
DISCONNECT T 1 HR	SPEC TOOLS/EQUIP HOIST AND DOLLY	
REMOVAL TIME 1 HR	SPEC SKILLS MECHANIC	

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TECHNICAL DESCRIPTION

Platform is constructed of aluminum, with non-skid surface and triangular in shape. Six lugs 6X6X2 IN are welded along sides to support platform.

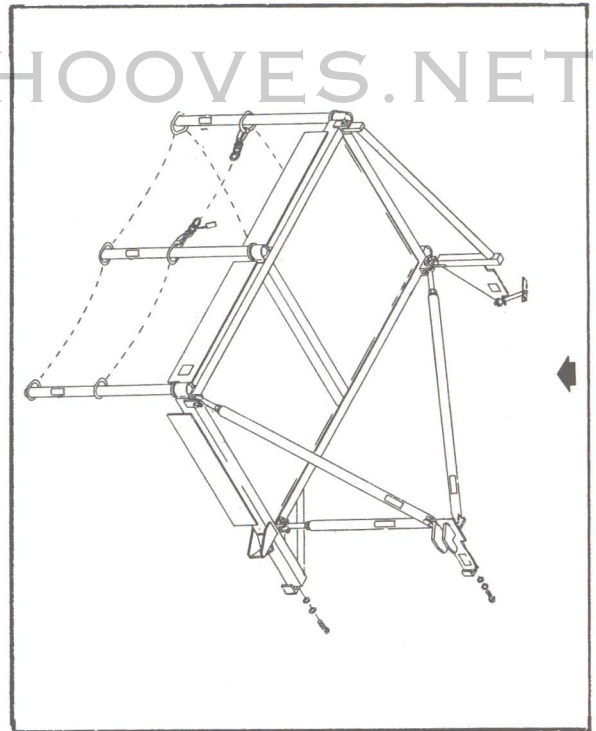
FUNCTIONAL DESCRIPTION

This platform is supported by bracing of silo crib structure and provides access to operating mechanism of pivoting tower base and tower service lines in the tower. These lines include hydraulic, fuel, air conditioning, buffer and actuator cylinders.

## ITEM NUMBER

114

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN 1450-972-1937AE		PART NO. 59-209-1521
TYPE/MODEL NO. NA	MFRS NAME AM&F	
DIMENSIONS 69X35 IN		WEIGHT 120 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 2	COND 0-2	UNIT PRICE \$1,250
TECH ORDER 35M3-2-4-14		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

Maintenance Platform, Vertical Lock: Consists of a rectangular platform, aluminum construction. The platform work area is covered with grating and screen and has a chain type safety railing on three sides. Hooks and angle brackets are welded to two of its sides and used for attaching purposes.

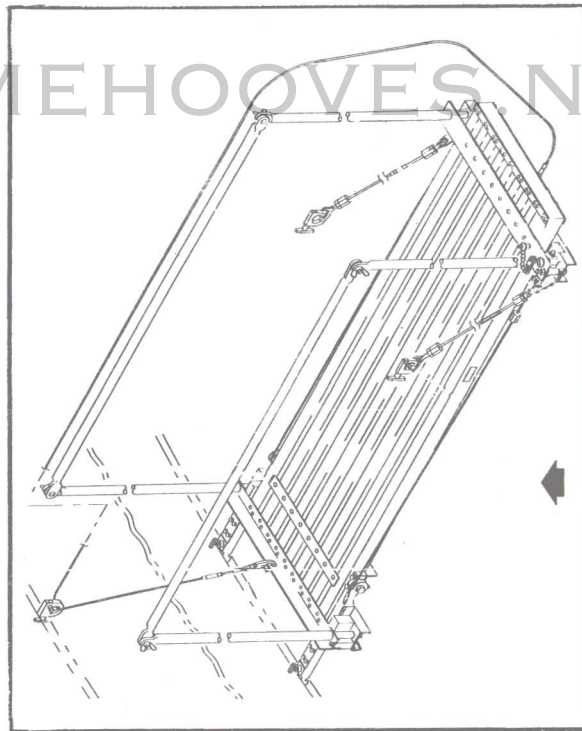
## FUNCTIONAL DESCRIPTION

This extension platform is needed when performing maintenance on the Vertical Locks. It attaches to the crib structure at Quadrant II approximately 9 feet above Level 1. Access gained by means of a ladder.

ITEM NUMBER

123

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN 1450-983-1676AE		PART NO. 59-209-2067
TYPE/MODEL NO. NA		MFRS NAME AM&F
DIMENSIONS 68X24X45 IN		WEIGHT NA
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 19	COND 0-2	UNIT PRICE \$1,200
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP' NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Extendable aluminum platform, approximately 68 IN lg by 24 IN wide un-extended, with telescoping scaffold allowing 45 IN extension. One end incorporates two lock assemblies for attaching platform to silo wall unistrut; and attached to opposite end are two hook assy's, which extend from free end of platform to unistrut in silo wall four Ft above lock assy's. Assy includes nylon tag line assy, incorporating a silo wall hook, and two folding hand rails, 43 IN h by 57 IN lg constructed of 1-1/2 IN aluminum tubing. Platform can be mounted at any point of periphery of silo wall by inserting the lock assemblies in existing unistruts; and with the aid of the probe, ISN 282.0. Spring loaded lock in lock assemblies secures one end of platform, while other end is secured by weight of platform pulling on strap at angle.

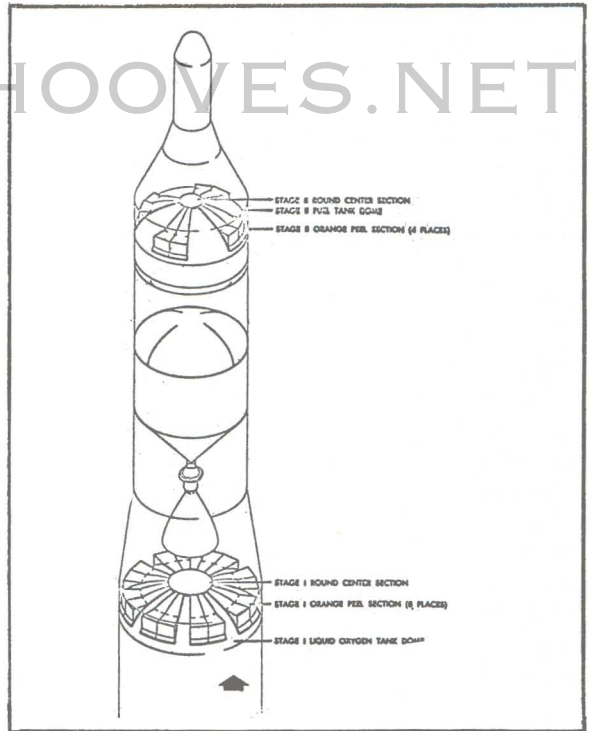
FUNCTIONAL DESCRIPTION

Maintenance platform is used by personnel to assist in accomplishing maintenance at various levels within the silo.

ITEM NUMBER

190

NOMENCLATURE		
PLATFORM, MAINTENANCE		
FSN 4935-778-4374AE		PART NO. 327-5963000-069
TYPE/MODEL NO. MSU-28 (XC-1)/E		MFRS NAME MARTIN CO
DIMENSIONS 51X50X44 IN		WEIGHT 195 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 19	COND 0-2	UNIT PRICE \$1,800
TECH ORDER 21SM68-2J-2-1		
DISCONNECT T NA	SPEC TOOLS/EQUIP LIFT AND DOLLY	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

Material used: 1/4 IN plywood with paper honeycomb core, laminated glass fiber cloth and 1 IN plastic sponge. Number of sections: 9. Each section will support 200 lbs.

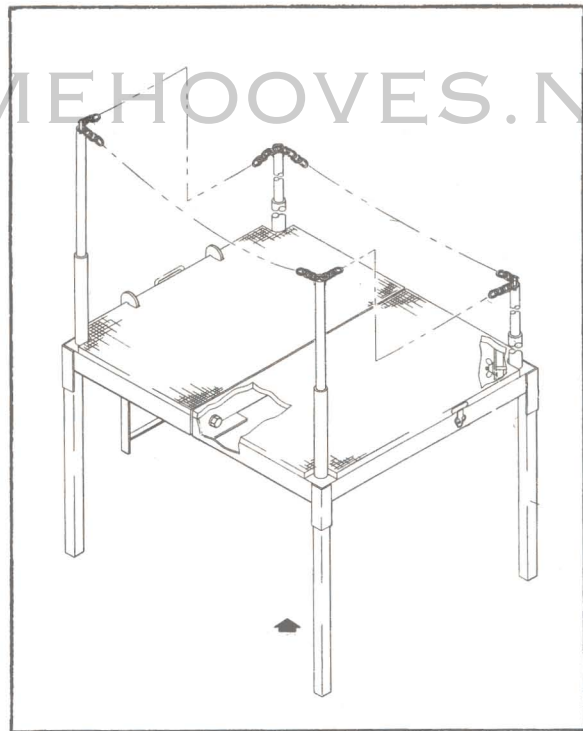
## FUNCTIONAL DESCRIPTION

The set of maintenance platforms are passed through missile access doors and placed around tank domes to permit work between tank areas Stage I and II transition area, and engine compartment when stages are separated at the Stages I & II transition area. Used when missile is in vertical position. Platform consists of 8 wedge-shaped sections, and one round center section for Stage I liquid oxygen tank dome. There are four wedge-shaped sections and one round section for the Stage II fuel tank dome. These sections are spaced evenly over tank domes so edges overlap the center section and butt securely against the missile structure.

## ITEM NUMBER

33

NOMENCLATURE		
PLATFORM, MAINTENANCE, PORTABLE		
FSN	PART NO.	
1450-082-8970AE	59-209-1504	
TYPE/MODEL NO.	MFRS NAME	
NA	AM&F	
DIMENSIONS		WEIGHT
48X36X36 IN		60 LBS
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
21	0-2	\$435
TECH ORDER		
21-SM68-2J-8-2, 34M3-2-4-14		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



## TECHNICAL DESCRIPTION

Consists of a rectangular, portable, collapsible stand; aluminum, w/four removable guard posts and connected by a safety chain. The working platform is covered w/grating. Platform is mounted on (4) 36 in. legs constructed of sq. aluminum tubing with 2 in. by 2 in. rectangular plate welded to each base. Legs and hand rails stow within case. The platform is hinged across its mid-section. Access to the platform will be made by a 26 in. ladder attached to one side.

## FUNCTIONAL DESCRIPTION

Required for installation, removal and maintenance of: External Buffer Cylinder (59-211-4707), Coupling Pipe (59-207-1877). Decelerating Cylinder (59-213-1117), Limit Switches (227-1785-2), Water Valves (227-1239) and (59-212-1120). It is designed to support (2) men and due to its collapsible compactness, can easily be transported through minimum access areas. The non-accessibility of the components listed above, located on and near the underside of the Launcher Platform, when it is in the down position, necessitates the use of this stand to remove a defective item, installing serviceable items, and when maintenance is required.

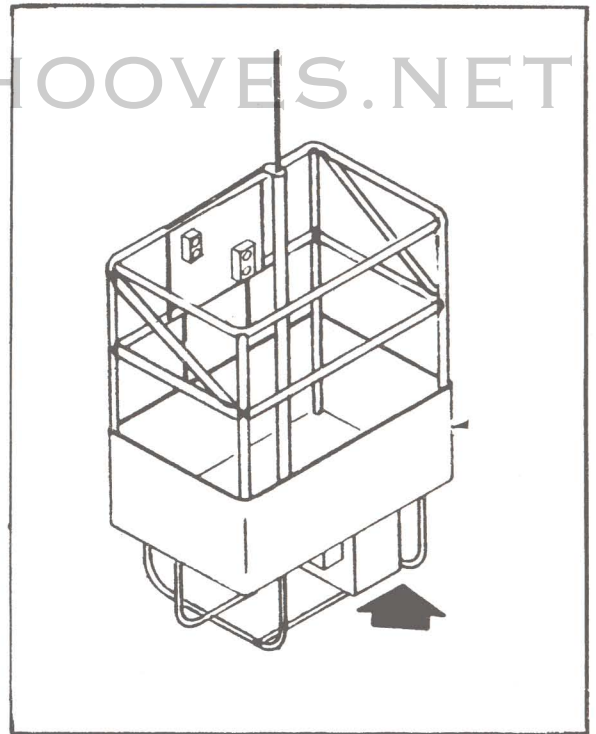
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## ITEM NUMBER

44

NOMENCLATURE		
PLATFORM, STAGING		
F SN 1450-325-0878AE	PART NO. MODEL-ST-17	
TYPE/MODEL NO. AIR MOTOR DRIVEN	MFRS NAME SPIDER STAGING INC	
DIMENSIONS 28X26X69 IN	WEIGHT 184 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 2	COND 0-2	UNIT PRICE \$2,500
TECH ORDER 35M3-2-4-14/21-SM68-2J-8-5		
DISCONNECT T NA	SPEC TOOLS/EQUIP HOIST/DOLLY	
REMOVAL TIME 1 HR	SPEC SKILLS MECHANIC	



## TECHNICAL DESCRIPTION

Equipped with 1 1/4 H.P. Vane type air motor, lifting capacity 1000 lbs, vertical speed - 30 R.P.M., drum capacity - 350 ft of 5/6 inch wire rope, overload limit switch, automatic emergency brake, personnel protective rail, heavy aluminum nonskid floor plates.

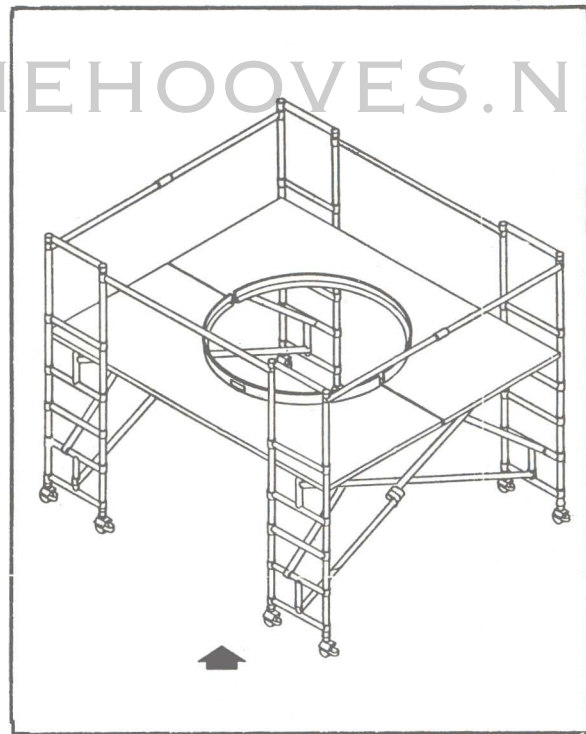
## FUNCTIONAL DESCRIPTION

This is a commercial standard staging platform used to allow a maximum of (2) persons access to otherwise inaccessible areas. Air motor driver for use in explosive atmospheres.

ITEM NUMBER

188

NOMENCLATURE PLATFORM, WORK		
F SN 4935-773-4058AB		PART NO. 59-202-1249
TYPE/MODEL NO. NA	MFRS NAME AM&F	
DIMENSIONS 124X96X6 IN		WEIGHT 820 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 7	COND 0-2	UNIT PRICE \$2,500
TECH ORDER 21M-HGM25A-20-2-1		
DISCONNECT T NA	SPEC TOOLS/EQUIP HOIST, DOLLY	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

PLATFORM, WORK, NOSE CONE: A circular steel platform with four equally spaced lifting rings attached for emplacing and removing.

FUNCTIONAL DESCRIPTION

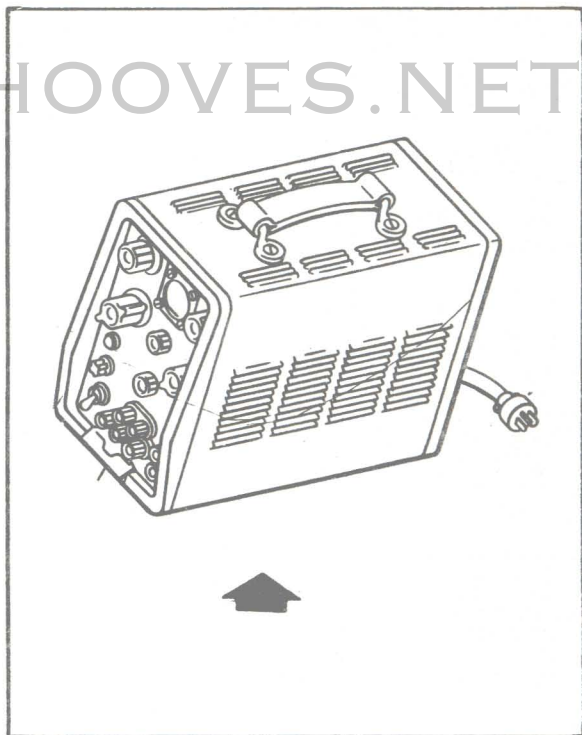
Platform is placed on Stage II installation Platform to decrease the size of the opening, after Stage II has been emplaced and the Missile lowered. It is used when attaching the Re-entry vehicle to Stage II at ground level.

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## ITEM NUMBER

210

NOMENCLATURE		
POWER SUPPLY, KLYSTRON		
FSN		PART NO.
4935-841-5245AE		G317359
TYPE/MODEL NO.		MFRS NAME
NA		WECO
DIMENSIONS		WEIGHT
1X1X1 FT		10 LBS
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
4	0-2	\$320
TECH ORDER		
31X7-2-38-1		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



## TECHNICAL DESCRIPTION

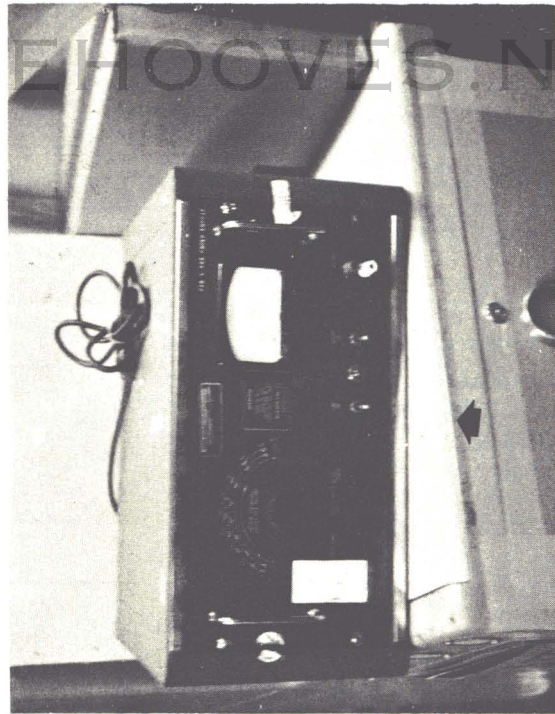
Klystron Power Supply, 115V AC, 50-60 cycles, single phase, 200 W, output beam, type minus 250 to minus 400V, 30 to 50 MA. This Power Supply (Modified) provides power for shop testing, aligning, and periodic seasoning of the Klystron (G289756) in the GS58192 Indicator Oscillator used on the R. F. Test Set. Modification to 400 CPS simulates the Klystron power and filament inputs to those experienced in normal system operation. This item is used in conjunction with Test Set AN/GRM-42.

## FUNCTIONAL DESCRIPTION

Power Supply provides power for shop testing of Klystron, Indicator Oscillator on RF Test Set.

ITEM NUMBER  
307

NOMENCLATURE POWER SUPPLY VARIABLE FREQUENCY INVERTRON		
FSN 6625-839-0379		PART NO. 161L1
TYPE/MODEL NO. PORTABLE		MFRS NAME VEGORS ENTERPRISES
DIMENSIONS 22X15X10.5 IN		WEIGHT 13.5 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 6	COND 0-2	UNIT PRICE \$165
TECH ORDER 33K-1-7		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



#### TECHNICAL DESCRIPTION

Power supply, electronic type rectification, full wave rectification, filter not included: Power Input: 115V AC, 60 cycles, single phase; Power output: 0-130 V AC; Power rating: 160V amperes; Frequency output: 300-3000 cycles variable frequency 0.5% accuracy; Sinewave - maximum distortion 2%, regulation 0.5% for line variation of  $\pm 5\%$ .

#### FUNCTIONAL DESCRIPTION

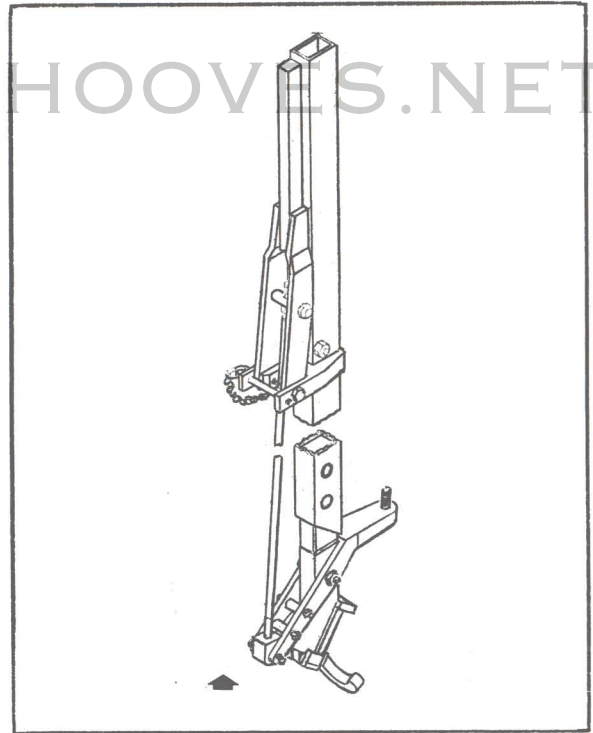
Item is located in electronic shop and is used for validation and maintenance of the various chassis contained in the Launch Control System. Item is used in conjunction with other shop test equipment.

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ITEM NUMBER

118

NOMENCLATURE		
PROBE, WATER DRAIN		
FSN 1450-979-5327AE		PART NO. 59-209-9055
TYPE/MODEL NO. NA		MFRS NAME AM&F
DIMENSIONS NA		WEIGHT 12 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 5	COND 0-2	UNIT PRICE \$300
TECH ORDER 35M3-2-4-12, 21M-HGM25A-2-8-5		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



TECHNICAL DESCRIPTION

Water Drain Probe consists of an aluminum tubular pole approximately 10 Ft long, fitted with linkage to enable the operator to trip valves remotely by actuating handle at opposite end.

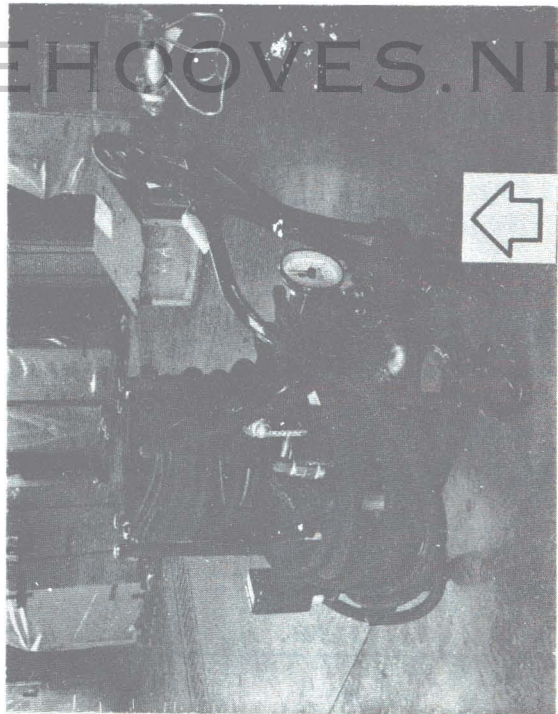
FUNCTIONAL DESCRIPTION

PROBE, Water Drain, is required when, with launcher in "up-and-locked" position, water must be drained from platform spray system during extremely cold weather. After verifying manually that supply valves are off, and using test set: operator trips valve with probe, thus draining system and avoiding possibility of freezing.

## ITEM NUMBER

21

NOMENCLATURE		
PUMPING UNIT		
FSN 1440-888-0635AB		PART NO. 59-209-1697
TYPE/MODEL NO.	MFRS NAME	
NA	AM&F	
DIMENSIONS	WEIGHT	
NA	NA	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
5	0-2	\$2,000
TECH ORDER 21-SM68-2J-8-2		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



## TECHNICAL DESCRIPTION

Pumping Unit, Hydraulic: Consists of one Hydraulic Pump and Motor, P/N 59-209-1238, 2 HP, 220/440 V, 3 phase; one strainer, P/N 59-209-1236; one filter, 10 micron, P/N 59-209-1235; one relief valve, P/N 59-209-1240; one Flow Meter, P/N 59-209-1239; one valve, 4 way, P/N 59-209-1237; two hose assemblies, 1 1/2 in. dia by 240 in. lg; one Switch, 3 phase NEMA type 1, size 0.; one Mounting Cart approx 45 in. lg by 32 in. wide, by 48 in. high, consisting of an aluminum structural frame w/push handle and tow bar mounted on two fixed casters and two swivel casters.

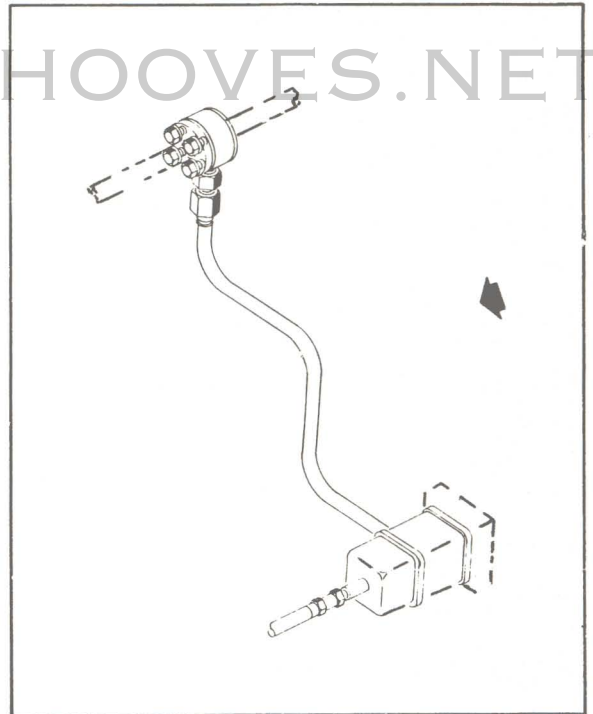
## FUNCTIONAL DESCRIPTION

Used to transfer fluid (UCON M-1) to and from Hydraulic Reservoirs (59-205-1300, 59-205-1300-2). This item is used in conjunction with Portable Tank (59-209-1696, Item No. 20), Tank Stand (59-209-1186, Item No. 206), and Trailer (59-202-1785, Item No. 139).

## ITEM NUMBER

152

NOMENCLATURE		
PUMPING UNIT		
FSN 4320-996-1534		PART NO. 59-209-2065
TYPE/MODEL NO. NA		MFRS NAME AM&F
DIMENSIONS 22X10X11 IN		WEIGHT 67 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 18	COND 0-2	UNIT PRICE \$60
TECH ORDER *		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



\*35M3-2-4-4, 35M3-2-4-14, 21M-HGM25A-2-8-5

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## TECHNICAL DESCRIPTION

Single stage centrifugal pump, 80 PSIG 50 foot lift @ 195 GPM. Rotary vane air motor continuously lubricated from built in reservoir, steel impeller and air strainer. Lead head 100 feet.

## FUNCTIONAL DESCRIPTION

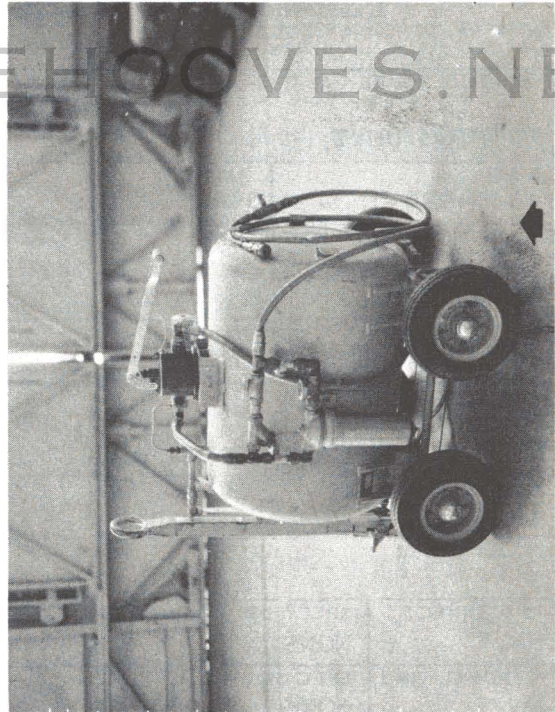
Provides force for pipe spreader to separate pipe lengths. Is used with Pipe Spreader, P/N 59-209-1700 item no. 18 and Repair Equipment Drive Base P/N 59-209-1519 (4935-992-6166AE).

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## ITEM NUMBER

158

NOMENCLATURE PUMPING UNIT, LIQUID DISPENSING		
FSN 4930-856-2826		PART NO. 327M8859000-029
TYPE/MODEL NO. PMU-5 (XC-3)/E		MFRS NAME MARTIN COMPANY
DIMENSIONS 24X22X20 IN		WEIGHT 125 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 1	COND 0-2	UNIT PRICE \$600
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

Unit is a portable, hand operated type, with a 10-gallon per min. rated delivery, aluminum tank of 55-gallon capacity with pressure type filtration system. Unit is mobile, on 4-wheel pneumatic tires 6 inches in diameter, and having a wheel braking device.

## FUNCTIONAL DESCRIPTION

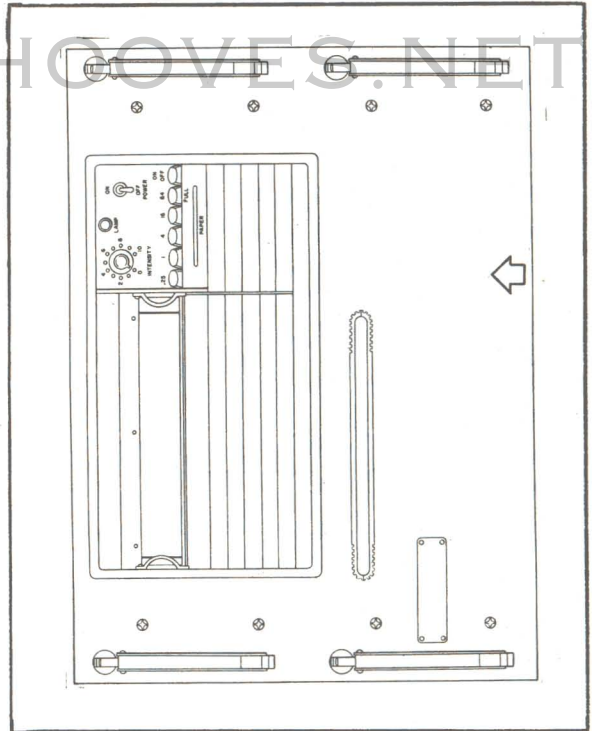
Unit used at each propellant terminal for pumping fuel in missile tanks to compensate for over-filling, leakage loss, density changes, etc. Mounted on wheels for easy movement.



## ITEM NUMBER

239

NOMENCLATURE		
RECORDER, OSCILLOGRAPH		
FSN	PART NO.	
4935-996-2761AE	327P1612000-009	
TYPE/MODEL NO.	MFRS NAME	
OSCILLOGRAPH	MARTIN COMPANY	
DIMENSIONS	WEIGHT	
14X19X24 IN	46 LBS	
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
18	0-2	\$1,261
TECH ORDER		
31X3-15-5-3		
DISCONNECT T	SPEC TOOLS/EQUIP	
1/2 HR	NONE	
REMOVAL TIME	SPEC SKILLS	
1/2 HR	ELECTRONIC TECH	



## TECHNICAL DESCRIPTION

- a. Power Input - 115V (+10)V, 50-60 CPS, 500 Watts
- b. Frequency Response - 0-5000CPS
- c. Input Signal Voltage (ea chan) - 0-115V 60CPS
- d. Output Signal - 17 signal traces, 1 time marker
- e. Recording Speeds - 0.25, 1, 4, 16, & 64 inches/sec.
- f. Recording Material - Eastman Linagraph Direct Print Paper, 200 ft. roll.
- g. Fusing - Input pwr, 5 amp; take up reel motor, 2 amp; chart drive motor, 1 amp.
- h. Galvanometers (meter movements) - 6 ea type 7-319  
2 ea type 7-323  
10 ea type 7-339

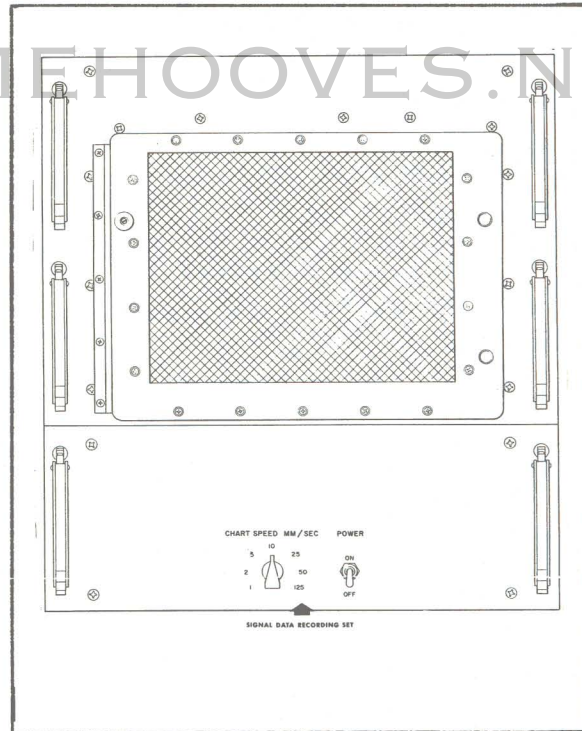
## FUNCTIONAL DESCRIPTION

This oscillograph has eighteen (18) channels and will record events of seventeen (17) functions simultaneously. Channel eighteen is used for 0.5 second timing markers. The input signal is a varying AC voltage transferred to photosensitive paper by light beams reflected from mirrors mounted on meter movements.

ITEM NUMBER

167

NOMENCLATURE		
RECORDER, SIGNAL DATA		
FSN*		PART NO. *
4935-953-5727AE		327P1611000-009
TYPE/MODEL NO.	MFRS NAME	
NA	MARTIN CO	
DIMENSIONS		WEIGHT
14X19X24 IN		120 LBS
LOCATION		
SEE PARAGRAPH 2		
GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
20	0-2	\$4,350
TECH ORDER		
31X3-15-5-3		
DISCONNECT T	SPEC TOOLS/EQUIP	
1/2 HR	NONE	
REMOVAL TIME	SPEC SKILLS	
1/2 HR	NONE	



\*Quantity includes 4935-076-1069AE, Part No. 327P1611000-039 which is similar.

TECHNICAL DESCRIPTION

Signal Conditioner: Input Power: 28(+1.5)VDC, 115(+10)V 60CPS;  
 Signal Input - 25(+1)VDC "on" signals, 5(+0.5)VDC "off" signals;  
 Signal Output: 450 V pulse power to events recorder.

Events Recorder: Input power, 28(+1.5)VDC, 115(+10)V 60CPS; In-  
 put signal, 450V pulse power; Recording Medium, Voltage sensitive  
 paper; Recording speed, 1,2,5,10,25,50 and 125 millimeters/sec;  
 Recording Paper, Brush Instrument Recording paper RA3910 53.

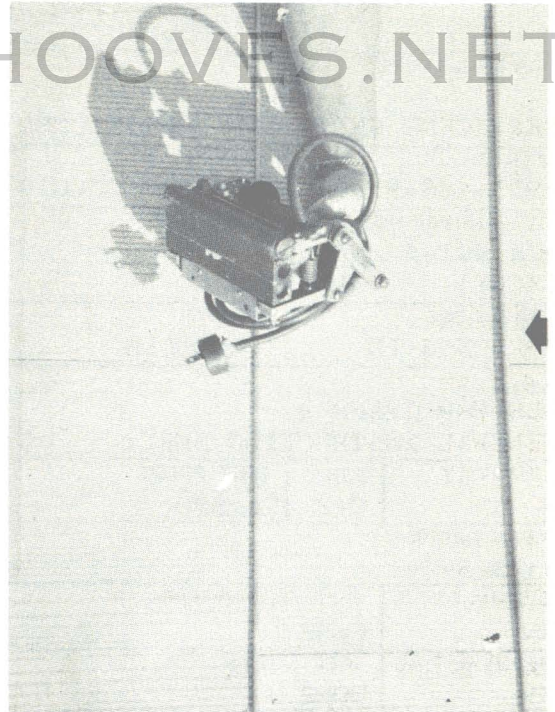
FUNCTIONAL DESCRIPTION

The events recorder, used in conjunction with signal conditioner P/N 327P1611000-019, permanently records on paper the sequence and duration of up to 100, "on-off" type, functions. An "on" signal applied to one of the input channels of the signal conditioner actuates an electronic switch which applies 450 volts to the corresponding stylus in the events recorder. The energized stylus burns a mark on the recorder chart paper. Channel one is used for 0.5 second timing markers.

## ITEM NUMBER

132

NOMENCLATURE		
SEALING IRON		
FSN 3540-856-7957		PART NO. HSC
TYPE/MODEL NO.	MFRS NAME	
HAND TYPE	DOUGHBOY INDUST CO	
DIMENSIONS 13X6.5X7.5 IN		WEIGHT 10 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 3	COND 0-2	UNIT PRICE \$353
TECH ORDER NA		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

Hand type, heat sealing machine. Width of seal approximately 3/16 inch, heating bars 3 1/8 inches long (Thermostat control), cartridge element 100 watts, cast aluminum frame, throat depth 2 inches with cooling bars 4 1/4 inches long. Power requirement: 110 volts 60 CPS single phase. Sealing machine table mount.

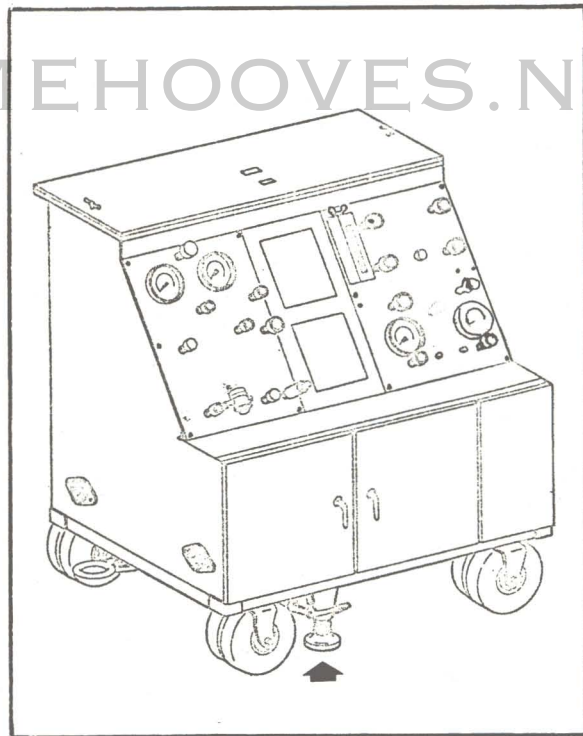
## FUNCTIONAL DESCRIPTION

Designed to seal polyethylene plastic material by application of heat.

ITEM NUMBER

171

NOMENCLATURE		
SERVICING UNIT, AIR CONDITIONER		
F SN *	PART NO. *	
4935-445-9750AE	327M1907000-019	
TYPE/MODEL NO.	MFRS NAME	
A/E 99T-5 (XC-1)	MARTIN CO	
DIMENSIONS	WEIGHT	
30X50X64 IN	1,000 LBS	
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY	COND	UNIT PRICE
8	0-2	\$6,500
TECH ORDER 35M5-5-2-1		
DISCONNECT T	SPEC TOOLS/EQUIP	
NA	NONE	
REMOVAL TIME	SPEC SKILLS	
NA	NONE	



\*Quantity includes 4935-855-9131AE, P/N 327M1907000-059 which is similar.

TECHNICAL DESCRIPTION

Air conditioning system servicing unit, portable, 4 wheel mounted pneumatic tires 100 PSIG, Vacuum pump powered by 1/3 HP, 115 VAC, 60 CPS (Serviced with SAE 20W Pump Oil). System operated with Freon-12 refrigerant (FED SPEC BB-F-671) and dry nitrogen (FED SPEC BB-N-411) +35 to +120 degrees F operating temperature; 5 to 275 PSIG pressure and 5 MM mercury operating vacuum. Oil reservoir capacity (FED SPEC VV -L-825, Type II) 2 gallons, 125 PSIG pressure.

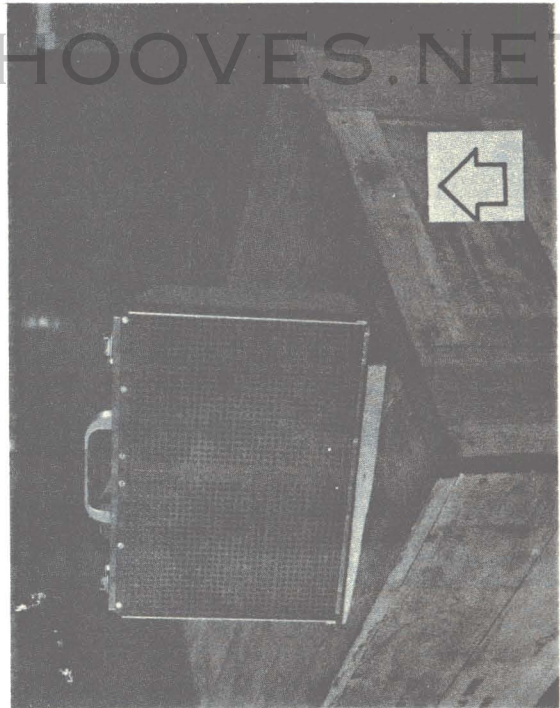
FUNCTIONAL DESCRIPTION

The servicing unit consists of four fluid systems, a nitrogen charging system, oil charging system, refrigerant evacuating system, and refrigerant charging system, arranged so that each may be interconnected with the other or used separately. This unit is used for periodic performance verification, maintenance, calibration of components and servicing of the missile air conditioner. The nitrogen system contains a 0-3000 PSIG gage for the high side and a 0-400 PSIG gage for the low side. The refrigerant evacuating system contains an absolute manometer to indicate vacuum pulled in the system and a discharge pressure gage which is a compound gage. This gage has a range of 30 inches of mercury to 0-300 PSIG; is used for system evaluation.

## ITEM NUMBER

224

NOMENCLATURE SET PLUGBOARD, FAULT CHASSIS TESTER		
FSN 4935-955-1608AE		PART NO. 59-209-2074
TYPE/MODEL NO.  NA	MFRS NAME  AM&F	
DIMENSIONS 18X14X8 IN		WEIGHT NA
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 5	COND 0-2	UNIT PRICE \$400
TECH ORDER 21M-HGM25A-2-8-4		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

This item is a series of plugboards, specifically wired for fault chassis. Each plugboard is used in functional tester to connect fault chassis circuitry to tester circuitry in proper sequence. Each plugboard has holes which will accommodate pins, these are located on the front of the board. The functional tester has holes that line up and accommodate the pins in the plugboards.

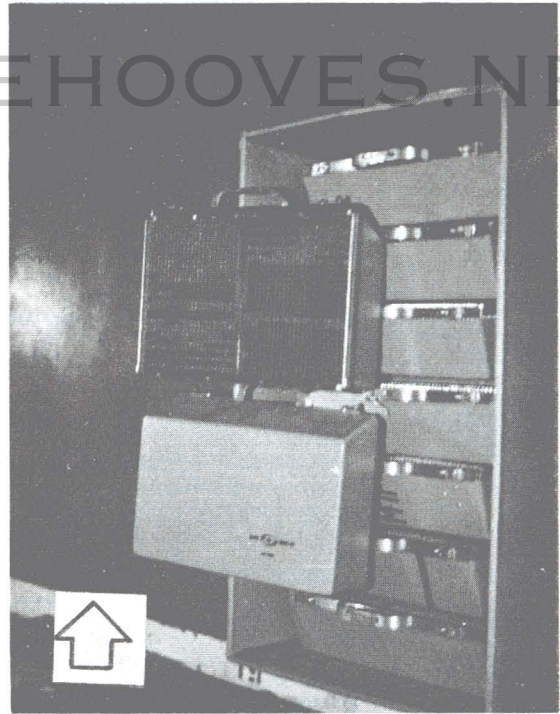
## FUNCTIONAL DESCRIPTION

Connects fault chassis circuitry to tester circuitry in proper sequence.

## ITEM NUMBER

180

NOMENCLATURE SET PLUGBOARD, LOGIC CHASSIS TESTER		
FSN 4935-712-3180AE		PART NO. 59-209-1427
TYPE/MODEL NO. NA		MFRS NAME AM&F
DIMENSIONS 18X14X8 IN		WEIGHT 5 LBS
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET		
QUANTITY 5	COND 0-2	UNIT PRICE \$4,000
TECH ORDER 21M-HGM25A-2-8-4		
DISCONNECT T NA	SPEC TOOLS/EQUIP NONE	
REMOVAL TIME NA	SPEC SKILLS NONE	



## TECHNICAL DESCRIPTION

Consists of an aluminum case with carrying handle. One surface contains numerous electrical receptacles which are interwired for a particular test.

## FUNCTIONAL DESCRIPTION

Plugboards are electrically connected to logic chassis tester to provide interconnections for specific tests. Used with functional tester FSN 6625-679-5475.