NOMENCLATURE

TEST SET, COMPUTER PART NO.

4935-788-9915 207373

TYPE/MODEL NO. MFRS NAME

REMINGTON-RAND NA

DIMENSIONS WEIGHT

700 LBS 48X36X60 IN LOCATION

SEE PARAGRAPH 2

GENERAL INSTRUCTION SHEET

COND UNIT PRICE 0-2 \$60,000

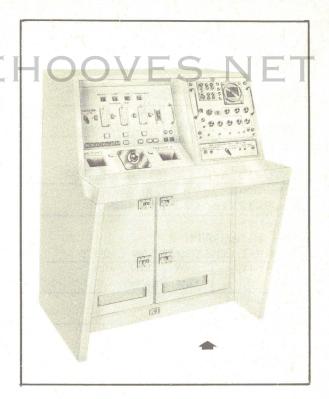
TECH ORDER 33D9-38-5-4

DISCONNECT T SPEC TOOLS/EQUIP

2 HRS LIFT/DOLLY

REMOVAL TIME SPEC SKILLS 1 HR

ELECTRONIC TECH



TECHNICAL DESCRIPTION

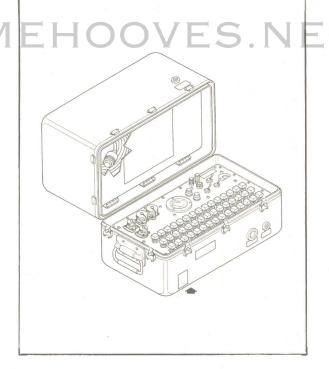
Test Set, Electronic circuit, plug-in unit, power input 115 volts 60 CPS. Tester will indicate condition of sealed chassis as either "Good" or "Reject." This unit consists of inverters, generators, amplifiers, oscillators and an oscilloscope.

FUNCTIONAL DESCRIPTION

The chassis tester is a self-contained unit for quickly determining the readiness status of individual guidance computer plug-in chassis, either during routine preventive maintenance or corrective maintenance. Chassis are removed from the computer or from storage and inserted into jacks in the left panel of the tester. A rotary switch chooses internal circuitry to simulate operating conditions for the given chassis type; patch plugs on the right panel and switching plug-in assemblies provide further flexibility and speed in changing supply and load conditions. A built-in oscilloscope allows for waveform analysis.

NOMENCLATURE CHRO

TEST SET, ENGINE ELECTRICAL PART NO. * 4935-476-3810AE 240732-9 TYPE/MODEL NO. MFRS NAME *TTU-167A/E | AEROJET GENERAL DIMENSIONS WEIGHT 21.5X12X16 IN 30 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET UNIT PRICE QUANTITY COND \$650 13 0 - 2TECH ORDER 33D9-5-20-1, -4 DISCONNECT T | SPEC TOOLS/EQUIP NONE REMOVAL TIME SPEC SKILLS NA NONE



*Quantity includes 4935-979-9826AE, Part No. 240732-29, Type No TTU-167A/E, 5 each; 4935-979-9827AE, Part No. 240733-39, Type No. TTU-184/E, 6 each, and 4935-476-3815AE, Part No. 240733-9, Type No. TTU-

WW. CHROMEHOOVES.NET

TECHNICAL DESCRIPTION

Rocket engine electrical circuit test set. Power requirements: 115VAC ± 5V, 60 CPS, single Ph. Contains two jacks to which resistor decade boxes are connected to calibrate the set; one 5 A fuse; operate multiplier switch with meter ranges of OPR, X1, X10, X100 and X1000; one 0 to infinity direct reading ohmmeter; 30 pushbutton switches which connect circuits to meter, resistance limits labeled on pushbuttons; 14 spare switches (P/Ns 240733-9 and -39 have 40 pushbutton switches and 3 spare switches); and one pushbutton used for insulation resistance tests. The test set comes complete with 8 special purpose cable assemblies used during operation and calibration. These checkers contain two circuits, resistance (ohmmeter) test circuit and an isolation test circuit. Circuits are patch arranged, using taper pin connections.

FUNCTIONAL DESCRIPTION

Unit is portable instrument used for performing electrical resistance and isolation resistance tests to airborne electrical harnesses on Titan I Rocket Engines. Engine types LR87-AJ-3 and LR91-AJ-3.

NOMENCLATURE TEST SET, GUIDED MISSILE

FSN * PART NO. * 4935-974-4994AE GS58950B TYPE/MODEL NO. MFRS NAME

NA WECO DIMENSIONS WEIGHT 24X26X68 IN

450 LBS

LOCATION SEE PARAGRAPH 2

GENERAL INSTRUCTION SHEET

UNIT PRICE QUANTITY COND 0-2 \$100,000

TECH ORDER

33D9-3-48-4

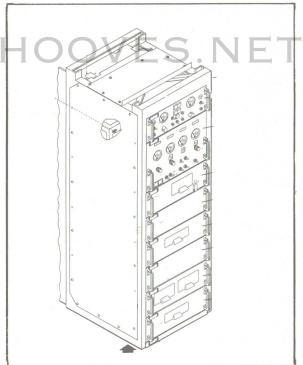
DISCONNECT T | SPEC TOOLS/EQUIP

NONE

REMOVAL TIME | SPEC SKILLS

ELECT TECHNICIAN

1/4 HR



*Quantity includes 4935-790-1664AE, Part No. GS58950A, and 4935-856-1579, Part No. GS58950 which are similar.

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Test Set, Guided Missile (Rime Checkout Set) Power requirements are: 3 Ph, 4 wire system, neutral grounded source with 200 watts per Ph from 400 Cy, 120/208 V source single Ph 400 Cy 120 V, 300 watts; 28 V DC supply load unknown. (Operational) (PNS)

FUNCTIONAL DESCRIPTION

Provides means of making complete checkout tests of the Missile Borne Guidance Equipment, including measurement of operating margins and methods whereby faulty operation can be localized to a particular missile borne package, i.e., a receiver, transmitter, or decoder.

NOMENCLATURE TEST SET, LAUNCHER ELECTRICAL PART NO. 4935-886-8997AE 59-209-1695 TYPE/MODEL NO. MFRS NAME AM&F DIMENSIONS WEIGHT 11X10X8 IN 50 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY COND UNIT PRICE 0 - 2\$350 TECH ORDER DISCONNECT T SPEC TOOLS/EQUIP NONE REMOVAL TIME SPEC SKILLS NONE



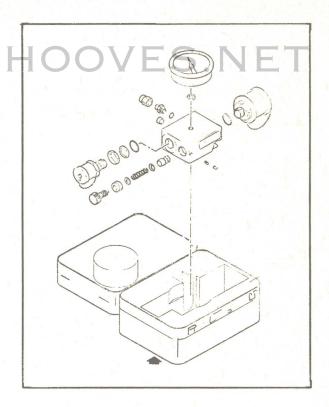
TECHNICAL DESCRIPTION

Test Set, Electrical Circuit, Guided Missile Launcher: Aluminum Box with (2) Ammeters (2202), (4) Panel Light Assemblies. (101-5030-976 and 972), and (4) cables with alligator clips attached, and power input cable. Input power requirements 28 volts direct current; Output power 28 volts direct current.

FUNCTIONAL DESCRIPTION

A remote switching device for activating solenoids when desirable to operate a system contrary to logic circuitry. It is used for trouble shooting. Attachment rings provided in Control Box are used to secure box to structure to permit operator to perform tests in precarious locations of Launcher System. Equipment is a locally controlled electrical switching device to permit bypassing silo circuitry in order to actuate electrical solenoid controlled hydraulic operated valves in the upper and lower silo door opening and closing sequences. This device is used to make adjustments to the timing of the door opening and closing sequences and to isolate circuit or valve faults.

ITEM NUMBER TEST SET, MANIFOLD PRESSURE, HYDRAULIC PART NO. 4935-864-2122AE 327N1760000-009 TYPE/MODEL NO. MFRS NAME TTU-156/E MARTIN COMPANY DIMENSIONS WEIGHT NA LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY COND UNIT PRICE 0-2 \$2,500 TECH ORDER 33DA36-79-3 DISCONNECT T | SPEC TOOLS/EQUIP NONE REMOVAL TIME | SPEC SKILLS NA NONE



Operates on pressure of 80 PSIG, proofs at 120 PSIG: Has a dial pressure gage and quick disconnect couplings.

FUNCTIONAL DESCRIPTION

Portable Test Unit in metal box. Used to proof pressure test missile hydraulic return system in Titan I system.

TEST SET OVERSPEED GOVENOR

PART NO.

4935-821-9315 59-209-1167 TYPE/MODEL NO. MFRS NAME

NA AM&F

DIMENSIONS WEIGHT 12X11X8 IN 100 LBS

LOCATION

SEE PARAGRAPH 2

GENERAL INSTRUCTION SHEET

QUANTITY UNIT PRICE COND 0-2\$3,000

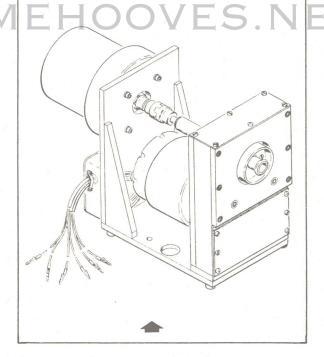
TECH ORDER 35M29-3-3

DISCONNECT T | SPEC TOOLS/EQUIP

DOLLY

REMOVAL TIME | SPEC SKILLS

NA NONE



TECHNICAL DESCRIPTION

Motor driven gear assy contains 1/4 HP synchronous split phase 115 VAC 60 Cy motor, 1800 RPM driven gear assy, idler gear assy, 3 sets of 3 conductor test cables with alligator clamps attached. Putput RPM is either 1475 or 1525. The instrument panel is provided with 3 pilot lights, motor on-off switch, light on-off switch. 28VDC lead 3 pin connector and 115 VAC 3 pin connector. This test set is manufactured from oilite, steel, aluminum, and corrosion resistant steel.

FUNCTIONAL DESCRIPTION

Used to test the overspeed limit switches on the overspeed govenor. The govenor is designed to allow 3 settings so that the govenor will trip or cut off at a desired speed.

NOMENCLATURE

TEST SET, POWER SUPPLY PART NO. FSN 4935-812-0384AE 210301 TYPE/MODEL NO. MFRS NAME REMINGTON AN/PSM-16 RAND UNIVAC DIMENSIONS WEIGHT

30X30X40 IN 500 LBS

LOCATION SEE PARAGRAPH 2

GENERAL INSTRUCTION SHEET COND UNIT PRICE

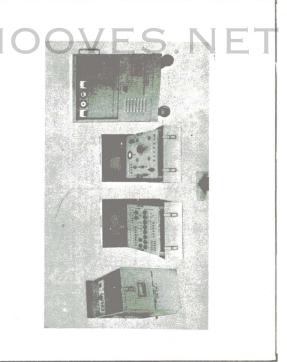
6 0-2\$17,000 TECH ORDER

31X7-23-4-4

DISCONNECT T | SPEC TOOLS/EQUIP NA NONE

REMOVAL TIME | SPEC SKILLS

NA NONE



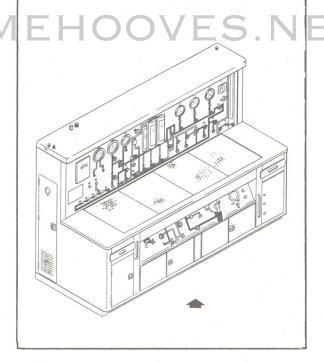
TECHNICAL DESCRIPTION

Consists of the following units: Power Supply (interconnection drawers) Test Set 208V AC, 420 cycle, 3 phase. Test set, controlmonitor, TS-1418/PSM-16 (Voltage Sensor, Sequencer and MG Zener diode reference testing unit, capacitor reforming unit). Test Set Power Supply SX-1417/PSM-16 (DC power supply and absorber unit) self-contained in individual trunk type cabinets equipped with carrying handles. Motor-Generator PU-494/PSM-16 self-contained portable, 60 cycle single phase 110V input and 208V 420 cycle, 3 phase output.

FUNCTIONAL DESCRIPTION

Power source for performance of various tests on the Computer components.

NOMENCLATURE TEST STAND FSN PART NO. 4935-790-9852AE 327M1510000-009 TYPE/MODEL NO. MFRS NAME NA MARTIN COMPANY DIMENSIONS WEIGHT 140X48X80 IN NA LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY UNIT PRICE COND 6 0 - 2\$31,600 TECH ORDER 33D9-4-9-1 and -4 DISCONNECT T | SPEC TOOLS/EQUIP 4 HRS FORK LIFT REMOVAL TIME | SPEC SKILLS 2 HRS PNEU-HYDR MECHS



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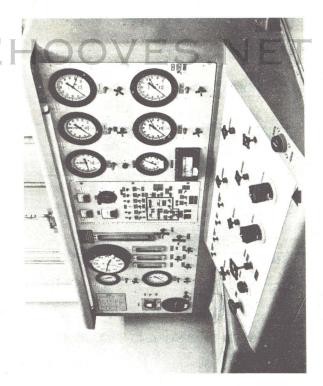
Self contained bench type test stand containing five operating systems: Hydraulic, Hydraulic Filtration, Water Cooling, Electrical and Nitrogen with pressure gauges, Flow-meters, pressure regulators, adapters, quick-disconnect fitting and operational timer. Operates on 460 (±23)V AC, 3 phase, 60 CPS, 100 KVA. For the 75 HP motor also has provisions for 115V AC and 28V DC. 0-38 GPM Flow of fluid at 5000 PSI. Hand pump delivers 25,000 PSIG for static tests. Meters over 600 PSI have snubbers. Government type AF42TI.

FUNCTIONAL DESCRIPTION

Designed to test the operation of missile airborne and ground operating equipment hydraulic system components under simulated operating conditions.

C¹⁹⁵ ROME

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NOMENCLATURE						
TEST STAND, CRYOGENIC SYSTEMS						
FSN		PART NO.				
4935-788-25	569AE	327M1590000-029				
TYPE/MODEL NO	D. MFI	RS NAME				
A/F99T-3						
(XC-1)	MA	RTIN COMPANY				
DIMENSIONS		WEIGHT				
96X48X78 IN		4000 LBS				
LOCATION						
SEE PARAGRA						
GENERAL INS	STRUCT	ION SHEET				
QUANTITY	COND	UNIT PRICE				
1	0-2	\$114,472				
TECH ORDER						
33D9-122-2-	2-2-1					
DISCONNECT T	SPEC T	OOLS/EQUIP				
2 HRS	CRANE					
REMOVAL TIME	SPEC S	KILLS				
4 HRS	ELEC	& PIPE FTR MECH				



TECHNICAL DESCRIPTION

Test Stand, Cryogenic System Components, a self-contained console type, welded steel construction, w/vertical and sloping control panels, test chamber w/observation window, vent system, work table and storage facilities for fixtures, adapters and tools. Input power voltage, 115 volts, AC 60 cps, single phase; Power consumption, 10 amps. Pneumatic input, gaseous nitrogen (GN2), liquid nitrogen (LN2), vacuum supply; input pressure 2250 PSIG (GN2), 0 to 150 PSIG (LN2); 500 microns of Hg (max) at ambient temperature; flow rate 125 scfm (GN2) and 5 gpm (LN2). A 50 gallon LN2 storage tank is provided; relief pressure valve operates at 171.5 PSIG. Red indicator lamps for filter obstruction, test chamber door interlock and vent system are provided as safety features.

FUNCTIONAL DESCRIPTION

Is designed to use liquid nitrogen (LN2), gaseous nitrogen (GN2), and a vacuum system to test airborne missile components and ground support equipment components for minimum performance standards. The stand also used LN2 and GN2 and an electrical system to simulate operating conditions of the cryogenic components. The electrical system actuates solenoid operated valves, and monitors the performance of components under test. It also provides safety and self-check features within the test stand. The stand also may be used to test vacuum valves for vacuum tightness.

NOMENCLATURE
TEST STAND,
ELECTRONIC EQUIPMENT

4935-897-6436AE 327N1810000-019

TYPE/MODEL NO. MFRS NAME

NA MARTIN COMPANY

DIMENSIONS WEIGHT 48X66X73 IN NA

LOCATION

SEE PARAGRAPH 2

GENERAL INSTRUCTION SHEET

QUANTITY COND UNIT PRICE
11 0-2 \$72,000
TECH ORDER

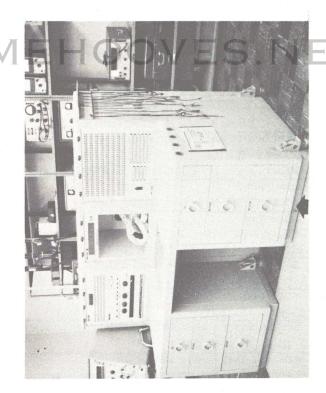
33D9-123-2-1,2,3

DISCONNECT T | SPEC TOOLS/EQUIP

NA SLING AND DOLLY

REMOVAL TIME | SPEC SKILLS

NA ELECT TECHNICIAN



TECHNICAL DESCRIPTION

The electronic equipment test stand is a console type maintenance bench composed of the following chassis:

<u>Power Distribution</u>--Located at the rear of the test stand. Power sources are 115 volts AC 400 CPS, 3 phase, 115 volts AC, 60 CPS, 3 phase, and 28 VDC.

<u>Power Control</u>--Adjust the voltages from the Power Distribution to the required test levels.

<u>Signal Control Chassis</u>—Establishes test set up and signal flow to the desired unit under test.

<u>Patch Panel Indicator</u> -- Contains eight digital read out units and associated hardware. Used to verify condition of test.

Special Inputs Chassis -- Allows external signals to be injected into unit under test.

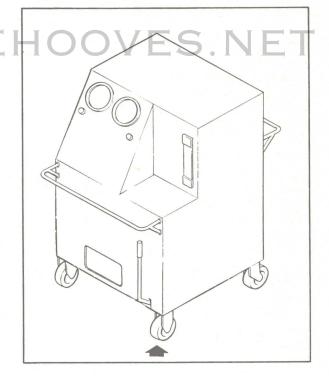
Special Loads Nr 1 and 2--Consists of circuit breakers and load resistor to simulate external loading to unit under test.

FUNCTIONAL DESCRIPTION

The electronic equipment test stand is used to test (check out and trouble shoot) chassis, modules, and printed circuit boards of the aerospace ground equipment. Each chassis to be tested is connected to the test stand by adapter cables supplied with the test stand. Each module and printed circuit board to be tested is connected to the test stand through an interconnecting box and adapter cable. The test stand thus provides a convenient means of isolating malfunctions while the component is operating under simulated normal conditions.

CLATURE CHROME

TEST STAND, HYDRAULIC PART NO. 4935-082-8975AE 59-209-1227 TYPE/MODEL NO. MFRS NAME NA AM&F DIMENSIONS WEIGHT SEE BELOW NA LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY COND UNIT PRICE 0-2 \$3,258 TECH ORDER NA DISCONNECT T SPEC TOOLS/EQUIP NONE REMOVAL TIME SPEC SKILLS



TECHNICAL DESCRIPTION

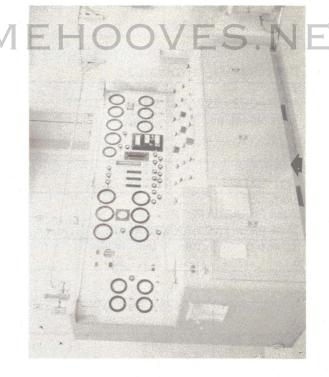
NONE.

Test Stand, Hydraulic System Components: Consists of an aluminum cabinet 37.50 IN 1g by 35.50 IN w by 57.50 IN h, mounted on four (4) 6 IN diameter swivel casters. The following controls and monitoring devices are included: Pressure Relief Valve 227-1253-2; Pressure Gage 227-1002 and Gage 227-1002 and -3; Pressure Indicator 59-209-1525; Flow Control Valves 227-1025, -2 and -3; Selector Valve 59-209-1524 and 59-209-1523; Flowmeter 59-209-1281; Check Valve 227-1010; Hand Pump 59-209-1526; and hose assembly 227-1182-0180, 227-1182-600, 227-2108-6000. It operates on 440V/AC 60 Cy, 3 Ph current.

FUNCTIONAL DESCRIPTION

Used to adjust "in place" and "remove to calibrate" items of OGE, utilizing Multimeter. Test Set is connected to item being calibrated, and will regulate hydraulic flow, utilizing system hydraulic supply w/partial power pack operation, which can be controlled to comply w/control specifications and adjustment requirements. Due to the "in place calibration" advantages of this unit, considerable time is saved, lessening "down time". This unit will eliminate the removal of multiple cabling in conduit from the end item to the junction box when removing calibration items. Removing it would require new cabling being fitted and potted prior to reinstallation. Contamination of system is lessened.

TEST STAND, PNEUMATIC PART NO. 4935-784-8771AE 327M152000-009 TYPE/MODEL NO. MFRS NAME AF 47T-1 MARTIN COMPANY DIMENSIONS WEIGHT 126X48X80 IN 4,200 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET COND UNIT PRICE 0-2 \$43,010 TECH ORDER 33D9-31-10-1 DISCONNECT T | SPEC TOOLS/EQUIP LIFT/DOLLY



TECHNICAL DESCRIPTION

REMOVAL TIME | SPEC SKILLS

NONE

NA

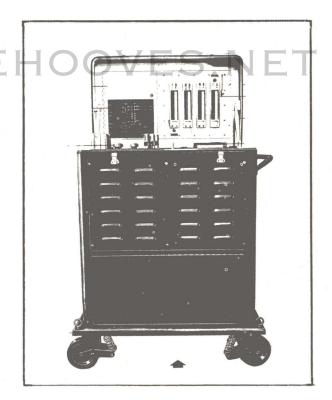
Access to the interior areas are provided by front and rear doors Controls, gages and indicating devices are mounted on the sloping panel and vertical panel on the front of the test stand. Electrical controls are located on the electrical box control panel. Emergency shut-off switches are located on the sloping panel and the cabinet. Test cell contains reservoirs, ullage tanks, and related components. The cell is approximately 66 in. long, 58 in. wide, 55 in. high and weighs approximately 3500 pounds. The top plate or mounting plate is equipped with threaded inserts for the mounting of various components to be tested. Three ullage tanks, 1.0 cubic foot GN2 reservoir, 1.5 cubic foot HE reservoir, 100 cubic in. reservoir and 1.5 cubic foot GN2 reservoir function as accumulators. The test stand requires two sources of electrical power, 28 VDC and 115V, 60 CPS, single-phase.

FUNCTIONAL DESCRIPTION

The pneumatic system components test stand provides a means of testing under simulated conditions, the operation of various types of components removed from the pneumatic system of missile airborne and ground support equipment. The test stand is limited to the testing of pneumatic components requiring cleanliness for liquid oxygen service.

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	NOMENCLATURE			TROME		
	TESTER, RECORDER					
	FSN			PART NO.		
	4935-979-98	331	Æ	1-239804-19		
	TYPE/MODEL NO	0.	MF	RS NAME		
	A/M 46T-2 AF			ROJET GENERAL		
	DIMENSIONS			WEIGHT		
	35X25X48 II	N		400 LBS		
	LOCATION SEE PARAGRAPH 2					
	GENERAL INSTRUCTION SHEET					
	QUANTITY	COND		UNIT PRICE		
	6	0-2		\$18,925		
	TECH ORDER					
	33D9-104-4-1 & -4					
	DISCONNECT T	SPE	СТ	OOLS/EQUIP		
	NA NONE		NE			
	REMOVAL TIME	SPEC S		KILLS		
	NA NONE					



TECHNICAL DESCRIPTION

Hydraulic System: Pressurizing medium - RP1 Fuel Capacity ____ - 2.5 gallons

Proof test pressure

3000 PSIG 350 to 600 PSIG Operating Range

Pneumatic System:

Pressurizing medium

Nitrogen (dry) 3000 PSIG

Proof test pressure Operating Range

15 to 750 PSIG

Electrical System: AC 115 + 5 volts, 60 CPS

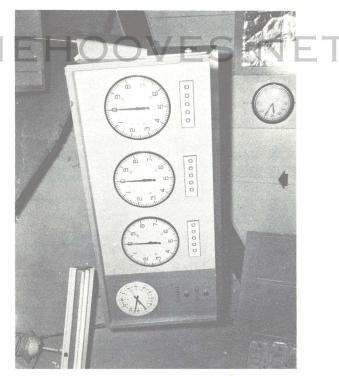
28 + 3 volts DC

FUNCTIONAL DESCRIPTION

The Tester-Recorder is used to leak check and functionally test the propellant system of either the LR87-AJ-3 or LR91-AJ-3 Rocket Engine. A single control panel is used to perform tests for either rocket engine and a two-channel analog recorder provides a permanent record of each test.

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NOMENCLATURE CHRO						
TIME DISPL	AY BO	ARD				
FSN 1440-819-3	279AE	PART NO. 327N4905000-009				
TYPE/MODEL NO A/E 37J-1	. MF	RS NAME				
(XC-1)	MAI	RTIN CO				
DIMENSIONS 4X6 FT		WEIGHT 75 LBS				
LOCATION SEE PARAGR GENERAL IN		IION SHEET				
QUANTITY	COND	UNIT PRICE				
6	0-2	\$6,571				
TECH ORDER NA						
DISCONNECT T	SPEC T	OOLS/EQUIP				
1/2 HR	NONE					
REMOVAL TIME 1/2 HR	SPEC S	KILLS PRICIAN				



TECHNICAL DESCRIPTION ROMEHOOVES. NET

Time display board is an assembly of seven clocks mounted on a 4 X 6 Ft board, one 24 hour military clock, three 1,000 second countdown time clocks, three digital hold time indicators.

FUNCTIONAL DESCRIPTION

Clocks provide continuous indication of local time, launch start and sequence time, and hold points in launch sequence when launch is restarted.

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NOMENCLATURE CHRON

HOMENCLATURE				
TOOL, ADJUST				
FSN 5120-019-7	042	PART NO. 8042 - 0005		
TYPE/MODEL NO	D. MFI	RS NAME		
NA	NO	RDBERT MFG CO		
DIMENSIONS 18X2 IN		WEIGHT IO LBS		
LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET				
QUANTITY 6		UNIT PRICE \$185		
TECH ORDER NA				
DISCONNECT T NA	SPEC T NONE	OOLS/EQUIP		

SPEC SKILLS NONE



WWW.ESCRIPTION OMEHOOVES.NET

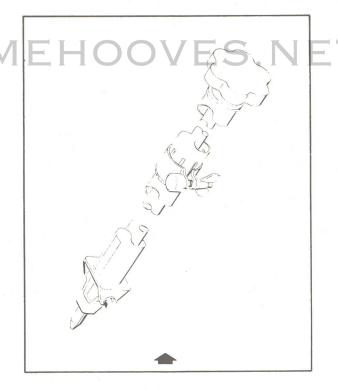
This item is a portable, hand operated hydraulic pump capable of producing 20,000 PSIG hydraulic pressure. Has pressure gauge and flexible line attached. The operational characteristics are those of a 10 ton hydraulic jack. It is also used to stretch the head studs on the Nordberg engine and to remove and replace the timing gears of this engine. This unit is commonly known as a "porto power", used extensively in automobile body shops.

FUNCTIONAL DESCRIPTION

REMOVAL TIME

Used to advance and retard cams to obtain maximum firing pressure in diesel engines. (Nordberg).

TOOL HOOK, INSTALLATION PART NO. 5120-NC541099M 59-209-9059 TYPE/MODEL NO. MFRS NAME NA AM&F DIMENSIONS WEIGHT 1.25X120 IN 20 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET UNIT PRICE QUANTITY COND 27 0-2 \$200 TECH ORDER 35M3-2-4-14 DISCONNECT T | SPEC TOOLS/EQUIP NONE -REMOVAL TIME | SPEC SKILLS NA NONE



TECHNICAL DESCRIPTION

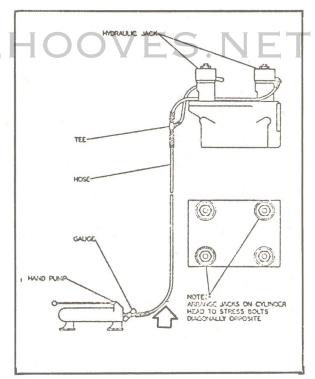
Aluminum Tubing, crimped, 1-1/4 in diameter X 120 IN length with aluminum slotted bar 4 IN long attached at one end by screw and wing nut to permit universal adjustment of bar.

FUNCTIONAL DESCRIPTION

Permits safe method for attaching hooks at various levels from inside. Required to attach silo wall hooks to unistrols in silo wall.

263 ROME

TOOL, STRESSING PART NO. 5120-472-9261 9181-0015 TYPE/MODEL NO. MFRS NAME NA NORDBERG MFG, CO DIMENSIONS WEIGHT 24X6X3 IN 10 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY UNIT PRICE COND 10 0 - 2\$1,704 TECH ORDER 35R1-151-4 & 35A2-5-21-3 DISCONNECT T | SPEC TOOLS/EQUIP NONE REMOVAL TIME SPEC SKILLS NA NONE



WYTECHNICAL DESCRIPTION OMEHOOVES NET

Consists of 1 hydraulic pressurizing unit with calibrated gauges capable of delivering 20,000 PSIG, 2 hydraulic jacks with special adapters for obtaining 4,000 to 7,000 PSIG, 1 long hose, 1 tee fitting and 2 short hoses.

FUNCTIONAL DESCRIPTION

Unit is required to stretch the diesel engine, cylinder head studs during cylinder head installation and for tightening of the head nuts to the correct torque.

4	NOMENCLATURE	V	26	CHRON		
	TOOL, SWAGING					
	FSN			PART NO.		
	5120-529-4	97	9	NA		
	TYPE/MODEL NO	0.	MF	RSNAME		
	PORTABLE	ORTABLE		EARFOTT		
	DIMENSIONS	IMENSIONS		WEIGHT		
	31X7X6.6 I	N		66 LBS		
	LOCATION					
	SEE PARAGR	API	H 2			
	GENERAL IN	ST	RUC	TION SHEET		
	QUANTITY	СО	ND	UNIT PRICE		
	6	0	-2	\$645		
	TECH ORDER					
	NA					
	DISCONNECT T	SP	EC T	OOLS/EQUIP		
	NA	NON		E		
	REMOVAL TIME	SP	EC S	KILLS		
	NA]	NON	E		



VIECHNICAL/DESCRIPTION ROMEHOOVES NET

Swaging tool, flexible cable terminal: Portable type; range ball swaging tool 1/16 to 1/8 in. cable size; range sleeve type swaging roll 1/16 to 3/16 in. cable size. Spec MIL-S-6180 type 1.

FUNCTIONAL DESCRIPTION

This tool is necessary to facilitate the changing of lanyards used on the nitrogen, helium stir conditioner and hydraulic ground half quick disconnect. The swaged balls are AN664 type single shank and are to fit 1/16, 3/32 and 1/8 dis. steel cable when changing these lanyards.

TOWER ASSEMBLY. FRAME ALIGNMENT PART NO. 1450-807-1123AE 59-209-1191 TYPE/MODEL NO. MFRS NAME

NA AM&F

DIMENSIONS SEE BELOW

WEIGHT 3,100 LBS

LOCATION SEE PARAGRAPH 2

GENERAL INSTRUCTION SHEET

QUANTITY TECH ORDER

UNIT PRICE COND 0 - 2\$5,749

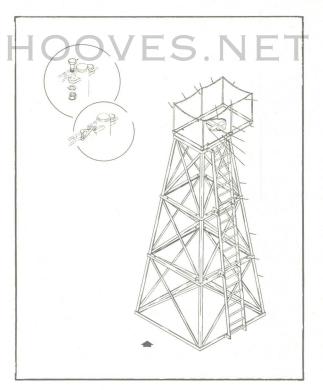
21M-HGM25A-2-2-1

DISCONNECT T | SPEC TOOLS/EQUIP

NONE

REMOVAL TIME | SPEC SKILLS NA

NONE



TECHNICAL DESCRIPTION OMEHOOVES. NET

Tower Assembly Data:

Dimensions: 23 Ft high, 8 Ft sq, bottom 4 Ft sq top. Operational Use: Provides access and work area for

level and alignment operations. Material Used: Aluminum welded and bolted.

Configuration: Pylon type.

Platform Material: Aluminum

Work Area: 4X6 Ft.

Safety Features: Safety chain, all sides, 40 IN above

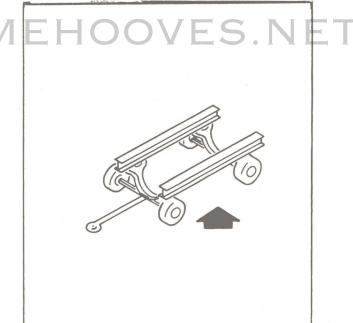
platform.

No. of Sections:

FUNCTIONAL DESCRIPTION

Tower is used as a base in conjunction with Kit, Alignment "A" frame AMF P/N 59-209-1191. The alignment kit and tower are used together to align and level the "A" frame and missile release mechanisms.

NOMENCLATURE PROPERTY.							
TRAILER, EN	NGI	NE					
FSN			PART NO.				
*1450-726-	111	9AC	106051				
TYPE/MODEL NO	٥.	MF	RS NAME				
NA		AI	R LOGISTICS CORP				
DIMENSIONS	MENSIONS		WEIGHT				
152X96X30	152X96X30 IN		725 LBS				
LOCATION							
SEE PARAGRAPH 2							
GENERAL IN	STF	RUCI	TION SHEET				
QUANTITY	CO	ND	UNIT PRICE				
14	0-	-2	\$3,063				
TECH ORDER							
2K-LR91-14							
DISCONNECT T	SPEC T		OOLS/EQUIP				
NA	NONE						
REMOVAL TIME	SF	EC S	KILLS				
NA	NONE						



VIECHNICAL DESCRIPTION ROMEHOOVES. NET

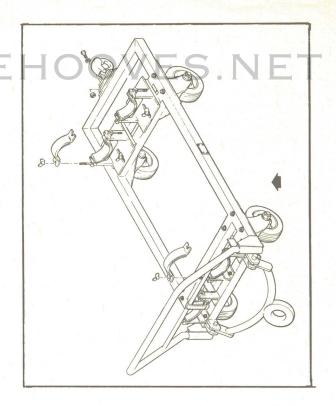
Trailer consists of two (2) parallel rails mounted on four (4) wheels with a base of 90 inches. It can be towed at speeds up to 25 mph. Used for LR87-AJ-3 and LR91-AJ-3 rocket engines. Equipped with individually operated parking brakes. Bracket provide a means of stowing for towbar. Rail height from ground is 30 inches. Load capacity is 3000 lbs. Tire size is 750 x 10, 6 ply.

FUNCTIONAL DESCRIPTION

Used to accomplish the transferring of rocket engines from the engine maintenance stand to the mobiltainers and to provide limited mobility for the engines during overhaul and modification.

^{*}Quantity includes 1450-NC750431RAC which is similar.

NOMENCLATURE TRAILER, ROCKET PART NO. 1450-972-6967AE 59-202-1558 TYPE/MODEL NO. MFRS NAME NA AM&F DIMENSIONS WEIGHT 36X69X26 IN NA LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY COND UNIT PRICE 0 - 2\$2,000 TECH ORDER SPEC TOOLS/EQUIP DISCONNECT T NONE REMOVAL TIME SPEC SKILLS NONE



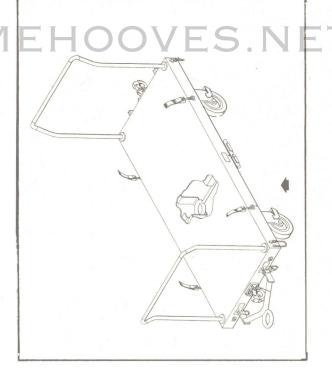
TECHNICAL DESCRIPTION

Trailer, rocket guided missile: is a trailer platform mounted on (4) conductive casters; with: Two (2) floating adjustable mounting blocks. Three (3) ground straps. Two (2) alligator clips. One (1) pintle hook and towbar.

FUNCTIONAL DESCRIPTION

Trailer, rocket guided missile: Used for transporting separation rockets throughout the complex area. Stage separation rocket, which is approximately 5 Ft long and weighs 100 lbs is attached to dolly platform by means of mounting blocks and neoprene lined clamps, so that it does not roll, slide or bounce from the dolly. Dolly can be loaded on a truck if necessary; and serve as a cradle. Grounding straps are provided to prevent static build-up.

NOMENCLATURE				
TRAILER, WAREHOUSE				
FSN		-	PART NO.	
3920-855-8	362	0	59-202-1785-2	
TYPE/MODEL NO	0.	MF	RSNAME	
NA		AM	1&F	
DIMENSIONS 84X36X20	ΙΝ		WEIGHT 350 LBS	
LOCATION SEE PARAGI GENERAL II			TION SHEET	
QUANTITY	СО	ND	UNIT PRICE	
19	0-	2	\$950	
TECH ORDER				
DISCONNECT T	SPEC T		OOLS/EQUIP	
NA	NONE			
REMOVAL TIME	SP	EC S	KILLS	
NA	NC	ONE		



Items 139 and 137

TECHNICAL DESCRIPTION

Item is an aluminum platform trailer designed for towing at 5 miles per hour. It is equipped with 4 conductive rubber wheels and center locking casters, each caster is equipped with foot brake. Platform trailer is equipped with hinged automatic coupling tow-bar, two removable end gates and has a rated capacity of 2000 lbs.

FUNCTIONAL DESCRIPTION

Transport heavy tools, equipment and components.

ITEM 137 NOMENCLATURE: Truck, hand, Platform Non-Tilt, FSN3920-554-0078, P/N NA, Mfr NA, Dim 72x36x14 in., weight NA, Qty 8 each, Unit Price \$93, all other block data same as item 139.

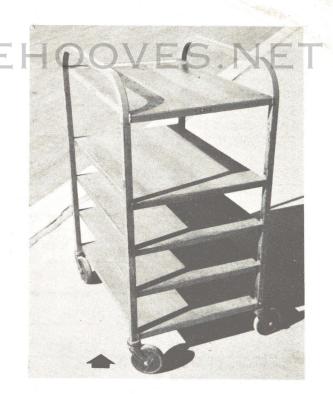
TECHNICAL DESCRIPTION

2500 lbs rated capacity, wood platform, double push bar type handle, solid rubber tires. Does not have tow bar coupling or caster foot brakes as depicted in the illustration.

FUNCTIONAL DESCRIPTION

Same as item 139.

TRUCK HAND, SHELF PART NO. 3920-202-1279 NA TYPE/MODEL NO. MFRS NAME NA NA DIMENSIONS WEIGHT 36.4X25.4X35.5IN 150 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET UNIT PRICE QUANTITY COND 0-2 49 \$161 TECH ORDER NA DISCONNECT T SPEC TOOLS/EQUIP NONE REMOVAL TIME | SPEC SKILLS NA NONE



TECHNICAL DESCRIPTION

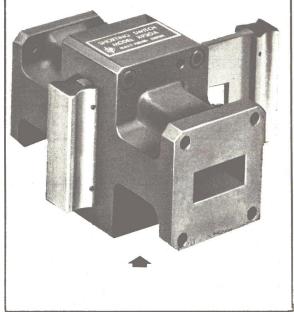
Truck, Hand, Shelf: 3 tray type, fixed shelves, w/ll in. spacing, 32 3/4 in. long, 21 3/4 in. w; 2 swivel and 2 rigid type casters w/8 in. diameter wheels, w/solid rubber tires; 1 push bar type handle; chassis; w/rubber bumpers; MIL-T-16549, Size 1 Style A.

FUNCTIONAL DESCRIPTION

These hand propelled trucks are used during routine maintenance to transport tools, equipment, and components throughout the Launcher Complex Area.

WAVEGUIDE FSN PART NO. 4935-624-8778AE X930A TYPE/MODEL NO. MFRS NAME X930A HEWLETT-PACKARD CO DIMENSIONS WEIGHT 4X6X3 IN 1 LB LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY UNIT PRICE COND 5 \$161 0 - 2TECH ORDER 33D9-3-48-4, 21-SM68-2J-7-4 DISCONNECT T | SPEC TOOLS/EQUIP NONE REMOVAL TIME | SPEC SKILLS NONE





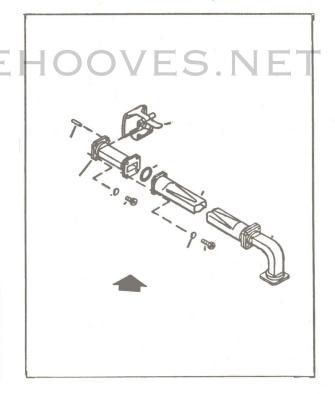
TECHNICAL DESCRIPTION

Short waveguide section with push-pull manual shorting attenuator at right angles to length dimension. On position shorted, other position open. SWR less than 1.02 in "open" position and greater than 1.25 in short position. Insertion loss, less than 0.05 DB in "open" position. Frequency range 8.2 to 12.4 KMC.

FUNCTIONAL DESCRIPTION

Provices a time saving means of interrupting power flow in a power measuring test circuit in order to allow zero-setting of the microwave power meter. May also be used to establish a reflection coefficient of 1. Used to calibrate and adjust the Radio Frequency power meter circuit in the GS65480 and GS65481 drawers of the Test Set, Guided Missile.

NOMENCLATURE WAVE GUIDE ASSEMBLY PART NO. FSN 4935-732-0443AE G346114 MFRS NAME TYPE/MODEL NO. NA WECO DIMENSIONS WEIGHT 264X1.5 IN 25 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET UNIT PRICE QUANTITY COND 12 0-2 \$120 TECH ORDER 33D9-3-48-4 DISCONNECT T | SPEC TOOLS/EQUIP 1/2 HR NONE REMOVAL TIME SPEC SKILLS 1/2 HR NONE



WITECHNICAL DESCRIPTION OMEHOOVES NET

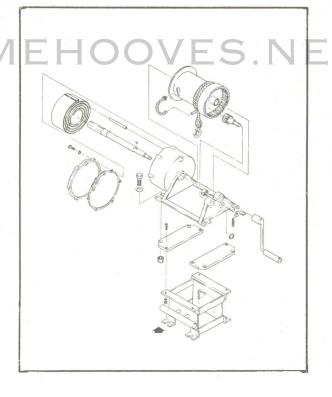
Wave Guide Assembly, flexible, rubber covered, wave guide with fixed E bend and standard flange one end. Quick disconnect flange with attachment other end.

FUNCTIONAL DESCRIPTION

Provides RF connection from GS58950 Test Set, Guided Missile to the GS65586 Test Hood Antenna.

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NOMENCLATURE WINCH, GEAR DRIVEN CABLE FSN PART NO. 1450-739-4158AE | 59-202-1970-2 TYPE/MODEL NO. MFRS NAME AM&F DIMENSIONS WEIGHT 18X12X8 IN 30 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET COND QUANTITY UNIT PRICE 50 0-2\$2,400 TECH ORDER 35M3-2-4-14, 21-SM68-2J-2-1 DISCONNECT T | SPEC TOOLS/EQUIP NA NONE REMOVAL TIME | SPEC SKILLS NA NONE



WWW.CHROMEHOOVES.NET

This assembly is a hand-operated, gear-driven cable winch with a spiral spring for preloading. Crank has two drive sockets, 6 IN and 12 IN from handle. Winch gear ratio is 5.25 to 1. A direct drive crank connection is also included. Stand and adapter plate for mounting to silo foundation are included. The rope attached to the winch drum is 5/8 IN manila rope, 20 Ft long. Winch has a lifting capacity of 2,000 lbs.

FUNCTIONAL DESCRIPTION

The winch and adapter assembly is a hand-operated gear-driven cable winch. This item (4 required) is used to assist in positioning and rotating Stages I and II when installing the missile in the launcher.

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NOMENCLATURE WRENCH, GEARED HEAD FSN PART NO.

5120-446-0742 TD-1500 TYPE/MODEL NO.

MFRS NAME

TOOL X-4 CORP

DIMENSIONS WEIGHT 30.5X5.2 IN 7 LBS

LOCATION SEE PARAGRAPH 2

GENERAL INSTRUCTION SHEET

QUANTITY UNIT PRICE COND \$375 0 - 2

TECH ORDER

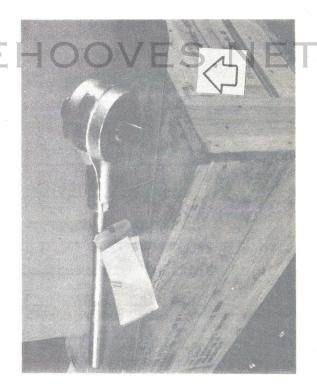
21SM68-2J-2-1

DISCONNECT T | SPEC TOOLS/EQUIP

NONE

REMOVAL TIME | SPEC SKILLS NONE

NA



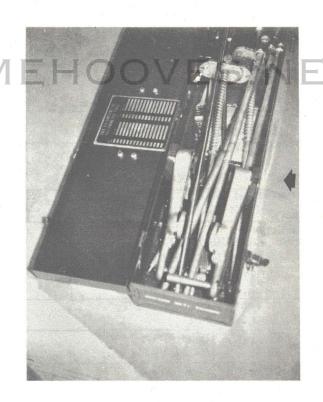
TECHNICAL DESCRIPTION

Wrench Geared head. Male square drive 1-1/2 IN, female square drive 1 IN. Multiplier ratio 4.33 to 1; maximum output torque rating 4,000 Ft 1bs head dia. 5.2 IN; length of handle 25-1/4 IN; assembled length 30-1/2 IN.

FUNCTIONAL DESCRIPTION

Used with gear head wrench P/N TD1000 to tighten missile release mechanism locking bolt after missile emplacement.

NOMENCLATURE	V.	CHROI
WRENCH SE	r, TOF	RQUE
FSN 5180-736-9	526	PART NO. 1-223165-20
TYPE/MODEL NO	. MF	RS NAME
KMU-81/E	AF	EROJET GENERAL
DIMENSIONS NA	1.	WEIGHT NA
LOCATION SEE PARAGI GENERAL II		2 CTION SHEET
QUANTITY	COND	UNIT PRICE
13	0-2	\$1,040
TECH ORDER 2K-LR91-4		
DISCONNECT T	SPEC T	OOLS/EQUIP
NA	NONE	
REMOVAL TIME NA	SPEC S	SKILLS



TECHNICAL DESCRIPTION

Tool kit contains the following special tools:

AWA CHRONEHOOVES NET

-	QTY	P/N	MENIOUX EO.IXE
	1	2-213746	Key, Socket Head Screw
	1	1-236620	Wrench Assy, Pump Drive
	1	1-222135	Wrench Assy, Torque APDA
	2	FX24	Bar, Extension
	1	1-223900	Adapter, Torque Wrench
	1	1-240803	Adapter, Torque Testing
	1	1-225724	Wrench, Torque (P/N TQ3SPX)
	1	1-225725	Wrench, Torque (P/N TQ20SPX)
	1	1-223166	Tool, Box, Rocket Engine Maintenance

FUNCTIONAL DESCRIPTION

Tool kit containing special tools necessary to torque various components on the LR91-AJ-3 Rocket Engine.

VOICE GUN, BULL HORN PART NO. *6110-873-1574 A12 TYPE/MODEL NO. MFRS NAME PORTABLE WM A HOLMIN CORP DIMENSIONS WEIGHT 10.5X9.5X7 IN 3.5 LBS LOCATION SEE PARAGRAPH 2 GENERAL INSTRUCTION SHEET QUANTITY UNIT PRICE COND 22 0 - 2\$72 TECH ORDER NA DISCONNECT T SPEC TOOLS/EQUIP NONE SPEC SKILLS REMOVAL TIME NA NONE



^{*}Quantity also includes FSN 6110-873-1575 which is similar.

TECHNICAL DESCRIPTION OMEHOOVES. NET

Self-contained with transistorized amplifiers, 3 flashlight battery operated.

FUNCTIONAL DESCRIPTION

A portable voice gun used for voice amplification in personnel safety and emergency rescue operations.