

DESCRIPTION FOR PURCHASE
No. 418
for
EXPLOSIVE ORDNANCE DISPOSAL TOOL KIT

Rev 10, 13 NOV 2003

1. Scope. This Description for Purchase describes a set of tools to be used by the Army's explosive ordnance disposal teams.

1.1 Abstract. The Explosive Ordnance Disposal (EOD) Tool Kit is specifically organized to provide the military EOD technicians with a combination of common tools and special tools and equipment that can be quickly transported to a threatened site and utilized to locate, identify, disarm and remove unexploded ordnance of various types. The EOD tool kit, as described by this purchase description, is transported most commonly by small truck and in some instances may be hand carried long distances or parts of the kit may be taken on trips without the truck. The general design and layout of the tool kit has been specified to the degree that is required to assure that the kit serves the needs of the EOD teams. The kit consists of several injection molded plastic cases and several cloth bags and brief cases which all carry a specified portion of the kit. Each case or bag is loaded with its prescribed tools and is then stored in the back of the response vehicle awaiting transport to a threatened site. It is important to note that this kit serves a function that is inherently life threatening and that requires intensive training. There are certain pieces of equipment that must remain the same over along periods of time and throughout all examples of the fielded kit. An EOD technician does not want to discover that the tool he just took out a response kit case or bag does not look like nor operate like the tool he trained with or has used in the past when he is trying to disarm a detonating device by hand. Therefore, critical tools will be identified in TABLE I below.

2. Applicable documents. The following document forms a part of this specification to the extent specified herein. Unless otherwise specified, the issue of the document shall be the latest listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS), and supplement thereto, that is cited in the solicitation.

Commercial Item Description A-A-1927D - Padlock (dated 9 July 1993)

Copies of Federal Specifications may be obtained from the General Services Administration Business Service Office in Washington, DC, call (202) 619-8925.

3 Product requirements.

3.1 General description. The EOD Tool Kit consists of 18 distinct bags and cases which hold the tools identified in table 1. (see Table 1 at the end of this document and paragraphs numbered 3.) The distribution of the tools among the various carrying devices is given in the same table.

3.2 Design.

3.2.1 Construction of the kit. The kit shall consist of new tool and equipment items, carrying bags and cases. Each kit shall be delivered assembled as a set of task oriented sub kits loaded with the items from Table I using the load plan in Table II.

3.2.2 Molded case materials. Unless otherwise specified herein, the EOD kit as a whole and its various sub kits shall be made of any suitable materials that will meet the performance requirements set forth in this specification and other associated regulatory requirements that are prescribed by law, particularly those related to domestically produced canvas and similar cloth products . The chemical and physical characteristics of high-density polyethylene and engineered resins with similar or better characteristics have been used in injection and blow molded cases of these types that have met the performance requirements herein. Other materials may be offered so long as it can be demonstrated that they meet the same performance requirements.

3.2.3 Cloth bag materials. All of the cloth carrying bags and tool rollups shall be made of woven materials. Woven nylon and other aramid fiber materials shall be manufactured with UV inhibitor included in the fibers unless the fibers are otherwise chemically inert to UV attack. Detailed requirements are given for each item individually in the paragraphs below, where special requirements are warranted. All cloth materials used in the bags supplied to the Government shall comply with Federal requirements for domestic sources and production relating to canvas and other woven products. Refer to FAR 225.7002-1 Restrictions, (a)(4), (7) and (8) and FAR 225.7002-2 Exemptions.

3.2.4 Workmanship. The quality of workmanship imparted to the assembly of this kit shall equal or exceed that typically provided to similar domestically produced commercial kits of this type. The kits presented for acceptance shall have been assembled from components having no defects, with skill and care; shall be uniform, neat, and clean; and shall be free from irregularities and anomalies that degrade form, fit, function, performance or appearance.

3.2.5 Government furnished material. The items identified in Table I will be provided as Government Furnished Material (GFM) to the contractor for subsequent loading into the EOD tool kit. TACOM Rock Island will acquire the items from the already established source of supply and have them shipped direct to the EOD kit assembler. It is then the responsibility of the kit assembler to receive the GFM items, remove excess or over sized packaging and load them into their assigned kit bags or cases.

3.2.6 Domestic sources requirement. The Federal Acquisition Regulation Part 25 provides for acquiring foreign supplies, services, and construction materials as well as implementing the Buy American Act, trade agreements, and other laws and regulations. For Department of Defense acquisitions further provisions are given in DFAR clause 252.225-7002. Many of these provisions are applicable to various components of the kit described in this Description for Purchase. For this solicitation all items of supply that must be reviewed by the offeror for the specific effect of the FAR and DFAR clauses upon the item are identified in Table I. Certain tools have been granted a waiver from the restrictions provided by this clause and may be supplied from sources that are not domestic to the United States of America. Those tools are identified in Table I. Tools and other items that do not have either symbol in front of their paragraph number are not affected by the restrictions in the DFAR clause and do not require any waivers.

3.2.7 Industrial quality tools. Industrial quality tools are normally distinguished from general purpose and homeowner quality tools in that they are designed for constant and rigorous use by professionals in an industrial environment. Industrial quality tools that have a verifiable market place acceptance shall be provided for each tool as identified in Table I.

TABLE I

Domestic Sources Req't	DSR Waived	Industrial Quality Tool	Critical Tool	Gov't Furn Mat'l	Para Number	Nomenclature
					3.3.1	Adapter, plug, grounded, 3 prong to 2 prong.
	DSW	IQT			3.3.2	Bag, contractor's brief case, black,
				GFM	3.3.3	Bag, demolition
	DSW	IQT			3.3.4	Bag, tool carrying, soft side,
			CT		3.3.5	Carabiner, snap link, mountain, oval,
			CT		3.3.6	Cord, non-stretching, 100 meter coil, 5mm dia,
	DSW	IQT			3.3.7	Bar, combination pry and scraper,
	DSW	IQT			3.3.8	Bar, wrecking, offset pattern:
					3.3.9	Not used.
					3.3.10	Not used.
					3.3.11	Bottle, spray, 16 oz size.
				GFM	3.3.12	Box, blasting cap,
					3.3.13	Box, small parts,
					3.3.14	Brush, scrub: NSN 7920 00 240 7174.
					3.3.15	Brush, tool cleaning,
					3.3.16	Cable assembly, power, electrical, 100 ft long, 110v
DSR		IQT			3.3.17	Caliper, inside, 6"
DSR		IQT			3.3.18	Caliper, outside, 6"
					3.3.19	Camera tripod,
			CT		3.3.20	Camera, digital.
			CT		3.3.21	Camera, still picture
					3.3.22	Canteen, 1 qt, captured lid, 402065
					3.3.23	Carbon paper, box of 100 sheets ,
					3.3.24	CASE, PLASTIC, (1520)
					3.3.25	Case, plastic: (1550)
					3.3.26	Case, tool box
DSR		IQT			3.3.27	Chisel and punch set
DSR		IQT			3.3.28	Chisel set, wood working,
					3.3.29	Clamp set, spring loaded
					3.3.30	Clip board, aluminum
				GFM	3.3.31	Container, blasting cap
				GFM	3.3.32	Container, cavity charge, MK 1 MOD 0:
				GFM	3.3.33	Container, cavity charge MK 2 MOD 1
				GFM	3.3.34	Container, cavity charge MK 3 MOD 0,
				GFM	3.3.35	Container, cavity charge MK 7 MOD 1,
				GFM	3.3.36	Container, cavity charge MK 7 MOD 2,
				GFM	3.3.37	Container, cavity charge MK 7 MOD 3,
				GFM	3.3.38	Container, cavity charge MK 7 MOD 4,
				GFM	3.3.39	Container, cavity charge MK 7 MOD 5
				GFM	3.3.40	Container, cavity charge MK 7 MOD 6
				GFM	3.3.41	Container, cavity charge MK 7 MOD 7
				GFM	3.3.42	Container, cavity charge MK 7 MOD 8

					3.3.43	Cord winder
					3.3.44	Cotter pin set:
					3.3.45	Coveralls, disposable
				GFM	3.3.46	Crimper, blasting cap, M2
DSR		IQT	CT		3.3.47	Crimping tool, terminal, hand:
DSR		IQT			3.3.48	Cutter, steel cable, 24 inches long
DSR		IQT			3.3.49	Cutter, steel cable, 7 inches long,
DSR		IQT			3.3.50	Cutter, bolt, clipper cut, 24 inch
					3.3.51	Not used.
					3.3.52	Not used.
					3.3.53	Not used.
DSR					3.3.54	Utility knife, disposable
	DSW	IQT			3.3.55	Drill set, twist, 115 drill bits,.
					3.3.56	Dust mask,
					3.3.57	Dust pan and whisk brush set
			CT		3.3.58	Explorer, dental, hooks
DSR			CT		3.3.59	Finger, mechanical
					3.3.60	Fire extinguisher, purple
	DSW		CT		3.3.61	Hemostats, curved, 5 inch
	DSW		CT		3.3.62	Hemostats, straight, 5 inch
					3.3.63	Gloves, surgical
					3.3.64	Graph paper, ream of 100 sheets,
				GFM	3.3.65	Grapnel hook, launched
				GFM	3.3.66	Dispenser, sealant
DSR		IQT			3.3.67	Hacksaw blade, 18 TPI, pack of ten.
DSR		IQT			3.3.68	Hacksaw blade, 24 TPI, pack of ten:
DSR		IQT			3.3.69	Hacksaw frame, hand
DSR		IQT			3.3.70	Hammer, hand, straight claw, 16 oz.
DSR		IQT			3.3.71	Hammer, hand, 8 pounds,
DSR		IQT			3.3.72	Hammer, hand, 2.5 to 3 pound head,
					3.3.73	Highlighter set, 4 colors.
			CT		3.3.74	Indicator, wind speed,
DSR		IQT			3.3.75	L-Key set, ball end, metric
DSR		IQT			3.3.76	L-Key set, ball end, SAE
					3.3.77	Knife blade set, jab style saw blades,
				GFM	3.3.78	Knife, pocket, emergency survival
			CT		3.3.79	Knife, X-acto
					3.3.80	Light, extension
					3.3.81	Flashlight, halogen lamp, "D" cell size
					3.3.82	Flashlight, halogen lamp, 2 AA cell size
			CT		3.3.83	Light, headlamp
			CT		3.3.84	Light, lantern, battery powered,
					3.3.85	Magna bit set, 29 pieces with carrying case
			CT		3.3.86	Magnetic compass
					3.3.87	Magnifying glass, 3 inch lens with 4X power
				GFM	3.3.88	Marking set, M274 NBC

	DSW		CT		3.3.89	Mirror handle, Telescoping with torch,
			CT		3.3.90	Mirror, inspection kit
	DSW	IQT	CT		3.3.91	Mirror, inspection, non-glass, 2.25" round,
	DSW	IQT	CT		3.3.92	Mirror, oval, inspection, non-glass mirror, 1"x 2"
					3.3.93	Mixing container, 5 qt cap
		IQT	CT		3.3.94	Multi-meter digital
					3.3.95	Not used.
					3.3.96	Padlock: 5200 Series, 10 per box, keyed alike,
					3.3.97	Pen, ball point, Box of 12, black ink, med point.
					3.3.98	Pencil sharpener,
					3.3.99	Pencils, colored, 1 dozen in a box, not less than 6" long
					3.3.100	Pencils, wooden, no. 2 lead hardness, 1 dozen in a box.
		IQT			3.3.101	Pliers, needle nose, 6.5" with side cutters,
		IQT			3.3.102	Pliers, diagonal cutting
		IQT			3.3.103	Pliers, linesman's, 8"
	DSW	IQT			3.3.104	Pliers, retaining ring, 90 degree angle tips
		IQT			3.3.105	Pliers, arc joint, auto adjust
		IQT			3.3.106	Pliers, slip joint, 8 inch, cushioned grip
		IQT	CT		3.3.107	Pliers, wrench, 6" straight, long nose
		IQT			3.3.108	Power Tool Combo Pack:
			CT		3.3.109	Equilateral Prism - 1.2" (30 mm) x 4" (100 mm) acrylic
			CT		3.3.110	Probe
			CT		3.3.111	Pulley Assy
		IQT			3.3.112	Punch, auto actuating
					3.3.113	Rake and shovel combination set
			CT		3.3.114	Range finder, laser
					3.3.115	Ruler, steel, 12" stainless, metric and SAE
			CT		3.3.116	Saw, hand, finger grip
		IQT			3.3.117	Saw, jab, cushioned grip
	DSW				3.3.118	Scale, drafting, triangular
		IQT			3.3.119	Scissors, bandage,
			CT		3.3.120	Spotting scope
		IQT			3.3.121	Screwdriver, cross tip, #1 , 6" long
		IQT			3.3.122	Screwdriver, cross tip, #2, 10" long
		IQT			3.3.123	Screwdriver, cross tip, #3., 8" long
		IQT			3.3.124	Screwdriver, cross tip, #4, 13" long
		IQT			3.3.125	Screwdriver, cross tip, stubby #2, 3.5"
		IQT			3.3.126	Screwdriver, flat tip, 1/4" wide, 6" blade
		IQT			3.3.127	Screwdriver, flat tip, 3/16" wide, 7.5" long
		IQT			3.3.128	Screwdriver, flat tip, 3/8" wide
		IQT			3.3.129	Screwdriver, flat tip, 5/16" wide
		IQT			3.3.130	Screwdriver, flat tip, stubby, 1/4" wide
		IQT			3.3.131	Offset reversible ratcheting screwdriver.

				3.3.132	Not used
		IQT		3.3.133	Scriber, machinist's,
		IQT	CT	3.3.134	Shears, metal cutting, curved
		IQT		3.3.135	Shears, metal cutting,
				3.3.136	Sheet plastic, 20 ft X 100 ft, 10 mils thick, clear
	DSW		CT	3.3.137	Shovel with pick, small size
		IQT		3.3.138	Socket extension, socket wrench, 3" long, 1/4" dr
		IQT		3.3.139	Socket extension, socket wrench, 6" long, 1/4" dr
		IQT		3.3.140	Socket rail clips, 1/4 size, bag of ten
		IQT		3.3.141	Socket rail clips, 3/8 size, bag of ten
		IQT		3.3.142	Socket rail, 1/4" sockets
		IQT		3.3.143	Socket rail, 3/8" sockets
		IQT		3.3.144	Socket set, 1/4" drive
		IQT		3.3.145	Socket set, 3/8" drive
				3.3.146	Storage case, soldering iron
			CT	3.3.147	Soldering iron, cordless
				3.3.148	Rubber stamp, self inking, confidential
				3.3.149	Rubber stamp, self inking, secret
				3.3.150	Rubber stamp, self inking, unclassified
				3.3.151	Rubber stamp, self inking, FOUO.
				3.3.152	Stapler, desk top
				3.3.153	Staples, box of 5000
		IQT		3.3.154	Steel strap cutter, 24"
			CT	3.3.155	Stethoscope, Medical
			CT	3.3.156	Stethoscope, Electronic Assembly
				3.3.157	Stop watch, analog,
				3.3.158	Surge protector, eight outlet strip
DSR				3.3.159	Tape, cloth, measuring, 60", 150cm
				3.3.160	Tape, marking, orange, 1-3/16 X 300 ft,
				3.3.161	Tape marking, yellow, 1-3/16 X 300 ft,
				3.3.162	Tape marking, red, 1-3/16 X 300 ft,
DSR		IQT		3.3.163	Tape, measuring
				3.3.164	Not used
			GFM	3.3.165	Test set, blasting cap, M51 used in pairs)
DSR				3.3.166	Thermometer, outdoor,
				3.3.167	Tongue depressors, 6" long, wooden.
			CT	3.3.168	Garden trowel, plastic
			CT	3.3.169	Tweezers, industrial
			CT	3.3.170	Vehicle Entry, Door Button Pusher
			CT	3.3.171	Vehicle entry, handle lifter
			CT	3.3.172	Vehicle entry, key clamp
			CT	3.3.173	Wading pool, collapsible, 4'x 6'x 8", 18 Oz vinyl
				3.3.174	Warning triangles, vehicle
DSR		IQT		3.3.175	Wrench set, combination, metric,
DSR		IQT		3.3.176	Wrench set, Combination, SAE
DSR		IQT		3.3.177	Wrench Adjustable, 8

DSR		IQT			3.3.178	Wrench, adjustable, 6"
DSR		IQT			3.3.179	Wrench, adjustable, 12"
DSR		IQT			3.3.180	Wrench, locking pliers, curved jaws, 10"
DSR		IQT			3.3.181	Wrench, pipe, 18"
DSR		IQT			3.3.182	Wrench, pipe, 10"
	DSW		CT		3.3.183	Wrench, strap, 18" handle
				GFM	3.3.184	Wrench, spanner, large, NSN 5120-00-025-0701
				GFM	3.3.185	Wrench, spanner, Navy part number 2847285
					3.3.186	Plastic case to carry the two spanner wrenches
					3.3.187	128 megabyte memory card for digital camera

3.3 Tools and related items to be loaded into the kit. The components listed in paragraphs 3.3.1 thru 3.3.187 shall be acquired and loaded into the various bags and boxes in accordance with the loading plan at the end of this document. The total quantities of each item required can be derived from the loading plan located at paragraph 3.4. Note that several items are used in more than one location.

Disclaimer: In order to help clarify the Government's requirements digital images of actual tools and equipment items have been included along with the verbal descriptions. The use of any particular image does not imply that the Government has a preference for a specific brand of tool, nor does it imply (unless otherwise stated) that the tool in the image automatically meets our requirements, especially as they relate to those requirements driven by law regarding tools that must be made inside the United States or its territories or any other governing rules, regulations and laws. The verbal description of the tool is the controlling requirement. It is the responsibility of the suppliers and manufacturers to assure that tools offered to fulfill the need meet all of the requirements related to the tool.

3.3.1 Adapter, plug, grounding, 3 wire to 2 wire. Female U-ground input to receive male connector. Metal ground lug. Standard adapter, UL approved, as found in any hardware store, drug store or neighborhood grocery store. Any color acceptable.



3.3.2 Bag, contractor's brief case, black, equal to Duluth Trading Company model 55543 or Fiskar's Bucket Boss model 99113. Color shall be black. Shall include adjustable length detachable shoulder strap, interior compartment closed with zipper, fold over cover fastened with blade clip(s), and extra pockets for holding pencils, note pads, calculators, etc. (The Fiskars 99113 is the same configuration as the Fiskar's Bucket Boss 06005, except for the color.)



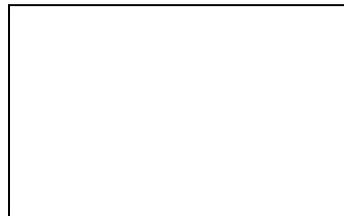
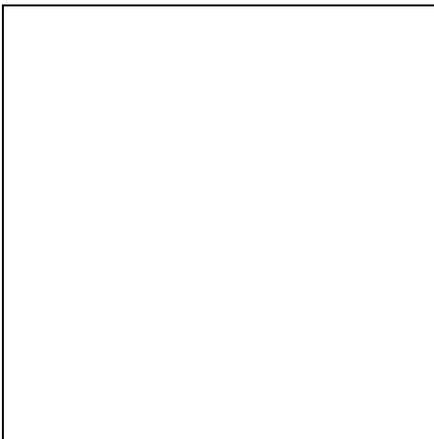
3.3.3 Bag, demolition



3.3.4 Bag, tool carrying, soft side, equal to Bucket Boss Gatemouth, p/n 99112, top opening with zipper closure, 17" long, 9" wide, 12" high, external storage pockets, Black only,



3.3.5 Carabiner, snap link, mountain, oval, load rated for not less than 18 kilo-Newtons in the long axis, marked with load rating, spring loaded non-locking gate, approximately 2” by 4” nominal, Black Diamond 210075, Omega Pacific 0P06 or equal.



3.3.6 Cord, non-stretching, 100 meter coil, continuous without breaks, 5mm dia, equal to Mammut 5MM Accessory Cord number 1011050 or REI no. 472306.

3.3.7 Bar, combination pry and scraper, approximately 1-3/4 “ wide, 12-3/8 “ long, one end set at 90 degrees to the bar: Equal to Stanley p/n 55-515



3.3.8 Bar, wrecking, offset ends pattern: Equal to DASCO Pro. or Stanley 55-818. Approximately 18” long



3.3.9 Not used.

3.3.10 Not used.

3.3.11 Bottle, spray, refillable: Non breakable high density polyethylene or equivalent, polypropylene trigger mechanism, squeeze style, screw on spray mechanism, 16 oz size. Equal to United States Plastics Corp, item number 66131.



3.3.12 Box, blasting cap



3.3.13 Box, small parts, 6 compartments, 8.25”L x 4.25”W x 1.38”H, equal to Plano 3450G



3.3.14 Brush, scrub: Crimped polypropylene bristle, 1" to 1.25" long, with 8" +/-1" long rectangular handle.



3.3.15 Brush, tool cleaning, 10" +/-1" long, 1" nominal wide, China bristle, metal ferrule, unfinished wood or solvent resistant handle, disposable, for utility applications, square trim, equal to Wooster Brush Co. part number 11756-4 or 12832-4.



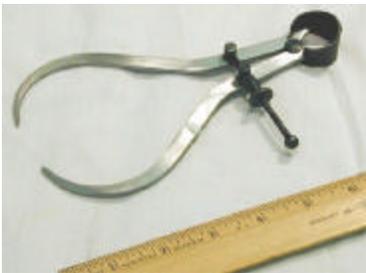
3.3.16 Cable assembly, power, electrical, 12 gage wire: 3 conductor, 2 prong w/ground, 12 gage wire, 100 ft long, 110v, molded multi plug with 3 outlets on female end, 2 prong w/ground on male end designed to inserted into 110v, 20 amp standard household outlets. (See cord winder described at para 3.5.43)



3.3.17 Caliper, inside, 6" nominal size, flat leg, hardened and tempered bow springs, hardened measurement faces, equal to General Tools Manufacturing part number 454-6.

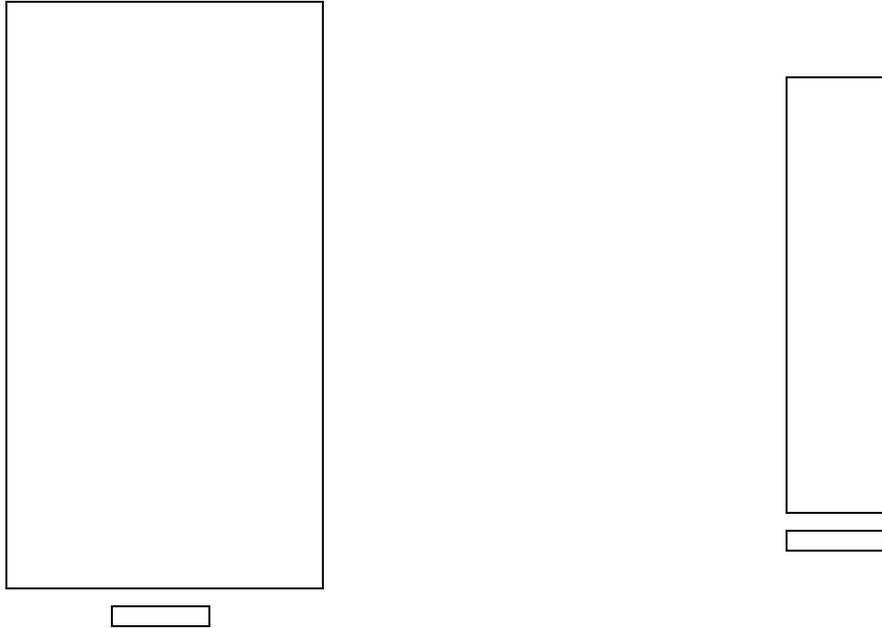


3.3.18 Caliper, outside, 6" nominal size, hardened and tempered bow springs, hardened measurement faces, equal to General Tools Manufacturing part number 452-6.



3.3.19 Camera tripod, maximum height with extended center column not less than 43 inches, closed length not more than 17.5 inches, rubber feet. Tripod shall be supplied with a ball head with spring loaded, retractable dual thread (1/4" and 3/8") to interface the camera or spotting scope and tripod mount. Maximum load capacity not less than 8.8 pounds. An integral swivel head on a tripod is also acceptable, so long as the entire assembly still fits inside the carrying case assigned to it. Equal to Slik Compact-XL

complete with head



MAX. OPERATING HEIGHT	1,110mm (43.7in.)	With 4-section legs and a double extension center column extended up to 1,110mm.
FOLDED LENGTH	390 mm (15.35 in.)	
WEIGHT	670g (1.47lbs.)	
NUMBER OF SECTIONS	4	
TUBE TYPE		

3.3.20 Camera, digital, 3x optical zoom, 3 pixels sizes (1600 x 1200 pixels, 1024 x 768 pixels, or 640 x 480 pixels), autofocus, through the lens, light metering, sensitivity equivalent to ISO 80 film, 1.5 inch or larger LCD monitor, saves images in file format "tif" or "jpg", uses either batteries or ac power adapter (4 "aa" batteries either alkaline, 1.2v Ni-cd, 1.2v Nimh, or 1.5v fr-6 lithium), 5.6 in w, 3.0 in h, 1.4 in deep, built in flash. (Nikon p/n 950 Coolpix). any digital camera with similar characteristics is acceptable. Waiting for supply catalog description. Any camera that meets or exceeds these requirements is acceptable.



The model 950, maybe unavailable

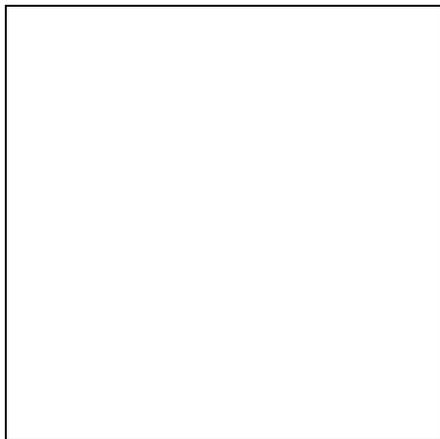


The model 995.

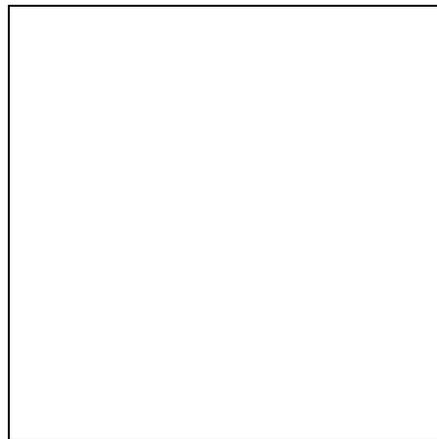
3.3.21 Camera, still picture, Polaroid, instant. Polaroid is the only manufacturer of this type of camera. It is identified by the name Job Pro.



3.3.22 Canteen, 1 qt, captured lid, wide mouth or narrow mouth, polyethylene or polycarbonate, clear body, equal to Nalgene (trademark) bottle from Recreation Equipment Inc., item no. 402185 or 402065.

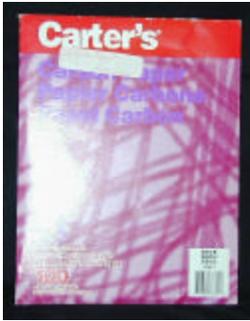


402185



402065

3.3.23 Carbon paper, box of 100 sheets, Size 8 1/2"W X 11"L, equal to Carver/Avery-Dennison item 67601.



3.3.24 CASE, PLASTIC, equal to PELICAN MODEL 1520. Outside dimensions 19 1/8”L X 15 7/16”W X 7 9/16”D, inside dimensions 17 7/8”L X 12 3/4”W X 6 3/4”D.



3.3.25 Case, plastic, equal to Pelican 1550. Outside dimensions 20-5/8”L X 17-3/16”W X 8-9/16”D, Inside dimensions 18 15/16”L X 14 7/16”W X 7 3/4”D. (Looks just like the one above, except its slightly larger)

3.3.26 Case, tool box, equal to Tuff box ST7200, hand carried, structural foam, 26 X 8.75 X 10.5 inch, lift out tool tray, handle on lid, metal latches, padlock hasp.



3.3.27 Chisel and punch set: consisting of Chisel cold hand 1/4”, Chisel cold hand 1/2”, Chisel cold hand 3/4”, Punch center solid (2), Punch drive pin 1/16”, Punch drive pin 3/32”, Punch drive pin 1/8”, Punch drive pin 5/32”, Punch drive pin 3/16”, Punch drive pin 7/32”, Punch drive pin 1/4”, Punch drive pin 5/16”, and punch drive pin 3/8”. Complete with tool roll-up meeting domestic sources requirement to hold all chisels and punches.



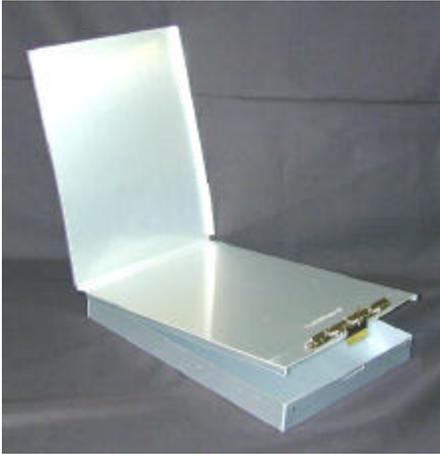
3.3.28 Chisel set, wood working, bevel edge set includes ¼", ½", ¾" & 1" width chisels, rugged ergonomic handles for use with hammer. With roll up pouch that has enough pockets to store all of these chisels plus the jab saw. Equal to Marples part number M444-S4.



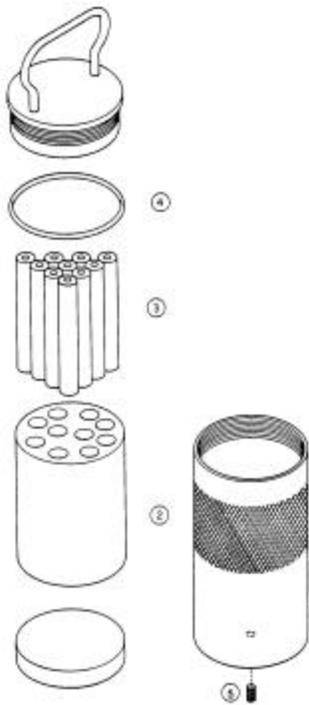
3.3.29 Clamp set, spring loaded, plastic handles and jaws: 1 set of six clamps represented in 3 different sizes equal to Craftsman part number 9-65977



3.3.30 Clip board, aluminum, forms holder: Holds forms Sized 8.5" X 12", 1.25" deep storage compartment, flip up panel, equal to Saunders Mfg Part number 10115 A forms holder.



3.3.31 Container, blasting cap: naval Sea Systems Command part Number 5206200.



3.3.32 Container, cavity charge, MK 1 MOD 0: Naval Ordnance part number 1375-M474.

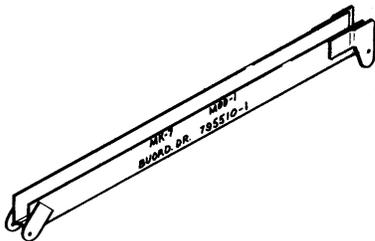
3.3.33 Container, cavity charge MK 2 MOD 1, naval Ordnance part number 1350964.



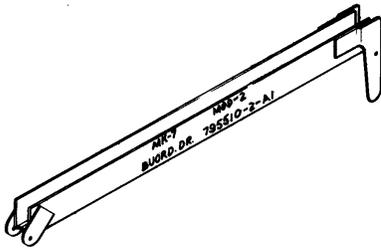
3.3.34 Container, cavity charge MK 3 MOD 0, Naval ordnance part number 3-0.



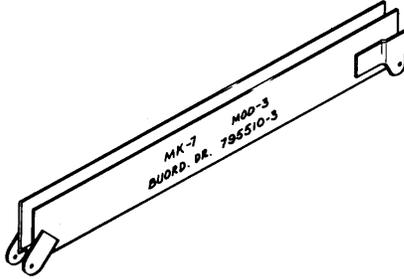
3.3.35 Container, cavity charge MK 7 MOD 1, Naval ordnance part number 795510PC1.



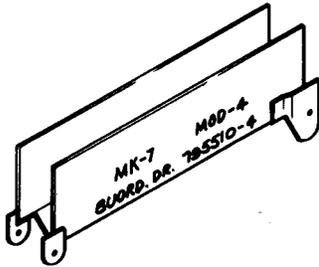
3.3.36 Container, cavity charge MK 7 MOD 2, Naval Ordnance part number 795510-2.



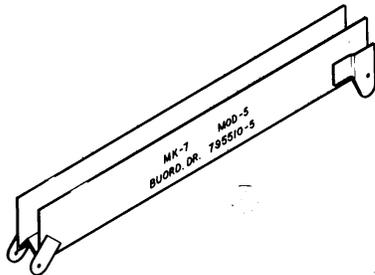
3.3.37 Container, cavity charge MK 7 MOD 3, Naval Ordnance part number 795510-3.



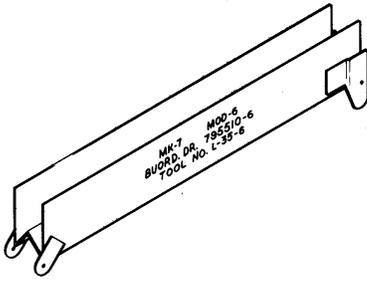
3.3.38 Container, cavity charge MK 7 MOD 4, Naval Ordnance part number 795510-4.



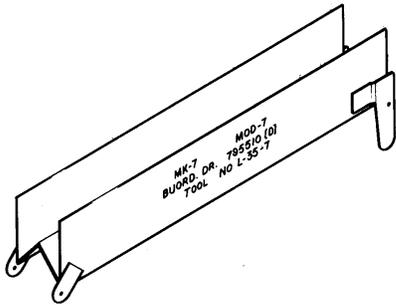
3.3.39 Container, cavity charge MK 7 MOD 5, Naval Ordnance part number 795510-5.



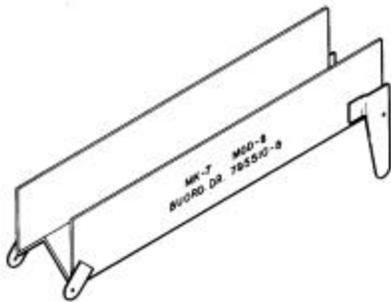
3.3.40 Container, cavity charge MK 7 MOD 6, Naval Ordnance p/n 795510-6A1.



3.3.41 Container, cavity charge MK 7 MOD 7, Naval Ordnance p/n 795510-7A1.



3.3.42 Container, cavity charge MK 7 MOD 8, Naval Ordnance p/n 795510-8A1.



3.3.43 Cord winder; Equal to Bayco Winder with a 13" diameter, capacity for 100ft of 12 gage 3 wire conductor.



3.3.44 Cotter pin set: Steel cotter pins in each of the following sizes - 1/16 x 1/2, 1/16 x 3/4", 1/16 x 1", 3/32 x 1", 3/32 x 1- 1/2", 3/32 x 2", 7/64 x 1", 7/64 x 1-1/2", 1/8 x 1", 1/8 x 1 1/2", 1/8 x 1-3/4". 1/8 x 2", 3/16 x 1-1/2", 5/32 x 1-1/2", 5/32 x 2-1/2", 5/32 x 1", and 3/16 x 3". Including plastic storage container with separate compartments to store the pins. Total set consists of 525 pieces. Equal to Rockford Quickpick p/n 8421-507.

3.3.45 Coveralls, disposable: Equal to Tough Pro XL AL 50 part number 9905



3.3.46 Crimper, blasting cap, M2: Navy Sea Systems part number 5762416.



(Shown in open and closed positions)

3.3.47 Crimping tool, terminal, hand. Equal to Gardener Bender part number 9-82566.



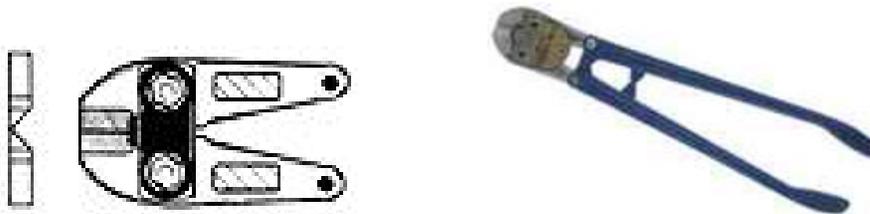
3.3.48 Cutter, steel cable, 24 inches long: Equal to Knipex Werk part number 95 71 600 or KN9571-24” In either case the cutters must be approximately 24 inches or 600mm long.



3.3.49 Cutter, steel cable, hardened wire, ACSR, 7 inches long, nominal: Equal to Klein Tools part number 63016 or H. K. Porter part number, 0690TN.



3.3.50 Cutter, bolt, clipper cut, 24 inch long handles. Equal to Record Brand p/n BC924F.



3.3.51 Not used.

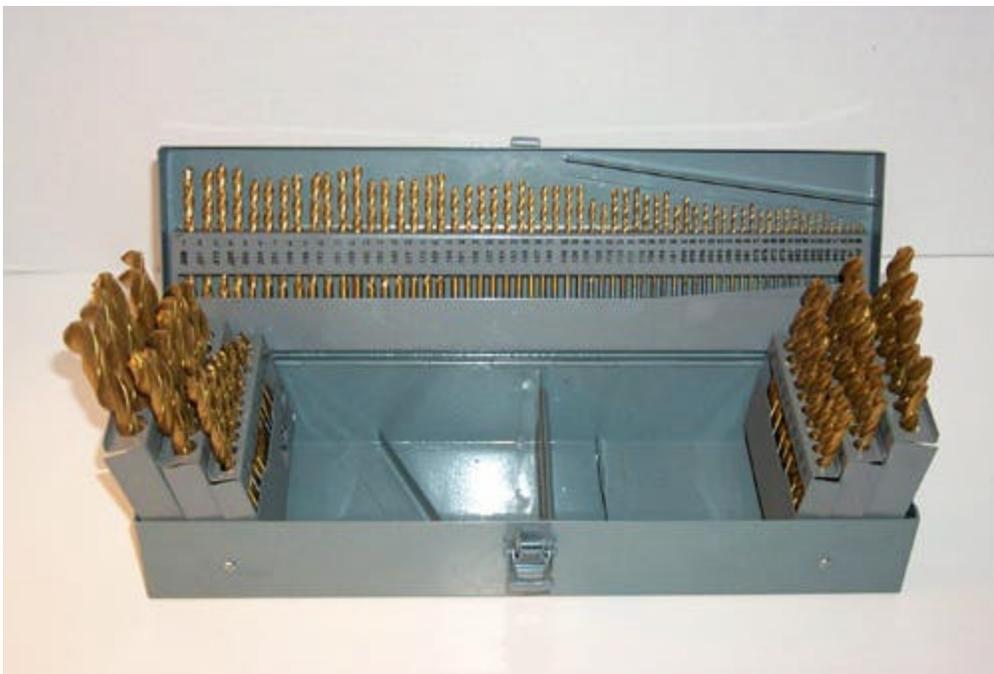
3.3.52 Not used.

3.3.53 Not used.

3.3.54 Utility knife, disposable, with retractable and locking position blade with snap-off blade points. Equal to Spectrum Tools Division part number SK-501



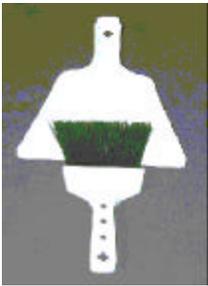
3.3.55 Drill set, twist, 115 drill bits, Titanium Nitride coated, 29 standard bits from 1/16" to 1/2" in increments of 1/64th's. 60 numbered bits from #1 thru #60. 26 lettered bits from A-Z. Stored in a steel carrying tray with indexed drill locations.



3.3.56 Dust mask, with two elastic bands to go over head, a metal tab to form the mask over the nose bridge, rated for household dust, fiberglass and light shop use. Equal to AO Safety part number N9501C.



3.3.57 Dust pan and whisk brush set, as depicted below, equal to Rubbermaid G147-12 (depicted on the right).

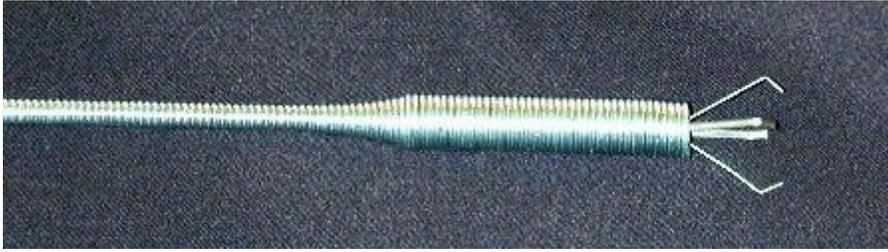


3.3.58 Explorer, dental, hook ends as depicted below, 5 inches long or longer: Equal to General Tools and Mfg part number 868. **This is a critical tool.**



3.3.59 Finger, mechanical: Equal to Proto model 2345, approximately 23" long, spring loaded plunger operated, four prong end. **This is a critical tool.**





3.3.60 Fire extinguisher, purple K dry chemical for fire types B and C, 5 lb size, equal to Kidde Fyrnetics part number XL5PK or Badger 5PB-4H-PurpleK-5 lb, also listed by Underwriter's Laboratories or an equal underwriting organization. With flexible hose nozzle.

PURPLE K DRY CHEMICAL

Purple K dry chemical is designed for use on high-hazard Class B and C fires. It is generally used where there is a flammable liquid risk.

B		Flammable Liquids & Gases	Gasoline, Propane other Solvents
C		Live Electrical Equipment	Computers, Fax Machines, Etc.



3.3.61 Hemostats, curved, 5 inch, locking Equal to Techni-Tool part number 758TW052.

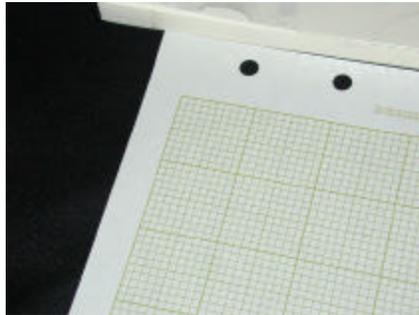
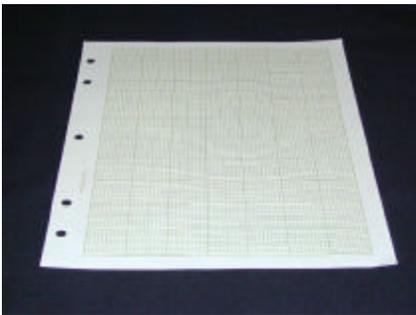


3.3.62 Hemostats, straight, 5 inch, locking: Equal to Techni-Tool part number 758TW054.



3.3.63 Gloves, surgical, non latex: Equal to Cypress Medical Products part number CM25

3.3.64 Graph paper, 8.5" by 11", ream of 100 sheets or more, punched for three ring binder, 1 inch major grid pattern, divided into 10X10 minor grids per major grid.



3.3.65 Grapnel hook, launched, part number AB-112972552.



3.3.66 Dispenser, sealant.



3.3.67 Hacksaw blade, 12 inches long, 18 teeth per inch, bi-metal, pack of ten.

(No picture)

3.3.68 Hacksaw blade, 12 inches long, 24 teeth per inch, bi-metal, pack of ten:

(No picture)

3.3.69 Hacksaw frame, hand: Equal to American Saw/Lenox part number 20920-5012
Required product has a sloping nose on the hack saw frame. The frame needs to be a metal or composite materials frame with rectangular or I-beam cross section, accepts 12 inch saw blades and a high tension blade mounting system.



3.3.70 Hammer, hand, straight claw, smooth face, 16 oz.



3.3.71 Hammer, hand, beveled face and straight peen, weight 8 pounds, face diameter approximately 2.5 in., handle length approximately 36 in., wood or fiberglass handle, equal to Centaur Forge p/n H133-8.



3.3.72 Hammer, hand, octagonal face, 2.5 to 3 pound head, fiberglass or break resistant handle, with cushioned grip.



3.3.73 Highlighter set, 4 colors, dayglow yellow, orange, green and pink.



3.3.74 Indicator, wind speed, floating ball indicator, equal to “Windmeter” by Dwyer Instruments Inc. Michigan City, IN. Calibrated in miles per hour.



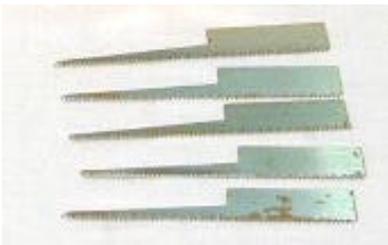
3.3.75 L-Key set, ball end, metric, nine pieces, (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm) w/two tier caddy, long reach keys as depicted below, equal to Bondhus part no. HLX9MS or Eklind 13609



3.3.76 L-Key set, ball end, SAE, 13 pieces, (.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8 inches) w/two tier caddy, long reach keys as depicted below, equal to Bondhus part number HLX13S or Eklind 13213.



3.3.77 Knife blade set, jab style saw blades, for X-acto knife, p/n X215.



3.3.78 Knife, pocket, emergency survival, hook blade and snap blade.



3.3.79 Knife, X-acto: Includes No. 2 knife with No. 2 blade; floor covering knife with blade; utility saw blade; wallpaper blades; large scraping blades; acrylic blade and No. 26 blade. Includes wooden chest, X-acto part no. X5028 or equal.



3.3.80 Light, extension, with receptacle end, 25 ft cord, replaceable fluorescent tube, Equal to Craftsman 9-83911.



3.3.81 Flashlight, halogen lamp, adjustable focus beam, waterproof, black aluminum case, Equal to Maglite, 3 D cell size flashlight S3D016.



3.3.82 Flashlight, halogen lamp, adjustable focus beam, black aluminum case, Equal to MiniMaglite, 2 AA cell size M2A016.



3.3.83 Light, headlamp: Equal to American Outdoorsman Model FX-410, alkaline battery powered, adjustable elastic head strap, adjustable beam direction up and down.



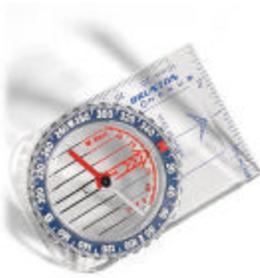
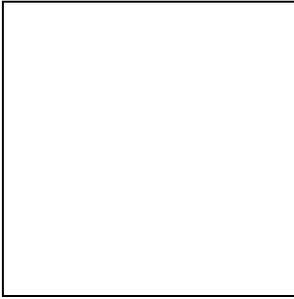
3.3.84 Light, lantern, battery powered, 4000 candle power, water proof and fracture resistant case, Equal to Pelican brand model 4000 MS.



3.3.85 Magna bit set, 31 pieces with carrying case, pieces are 5-6 slotted, 6-8 slotted, 8-10 slotted, 0, 1, 3, cross tips, square inserts R1, 2, 3, Torx bits T15, T20, T25, T30, T40, #1, #2 X 2" cross tip, 2" slotted 5-6 and 8-10, C3 clutch, hex bits 5/64, 3/32, 7/64, 1/8, 3/16, P2R Phillips drywall bit, 2P2 bit insert, plastic case, 8" magnetic hand driver, 3" magnetic extension, equal to Craftsman 9-25647.



3.3.86 Magnetic compass, with rotating bezel, equal to Brunton Nexus Star 7DNL Compass or Suunto A-10 Partner II Compass. Carrying strap optional.



3.3.87 Magnifying glass, 3 inch lens with 4X power, illuminated, battery powered, equal to General Tool and Manufacturing model 554.



3.3.88 Marking set, M274 NBC. NSN 9905-01-346-4716, p/n 5-14-1, Available from Pluribus Products Inc, 77 Washington Ave., Brooklyn, NY 11205-1201, phone 718.852.1614. Consisting of 1 carrying case, 1 marking set p/n 5-14-2, 1 warning flag assembly with “atom” p/n 5-14-48-10, 1 warning flag assembly with biohazard symbol p/n 5-14-48-20, 1 warning flag assembly with gas symbol p/n 5-14-48-30, 1 marking ribbon assembly p/n 5-14-51 (consisting of 13 rolls of yellow ribbon), 1 seven inch black grease pencil, and approximately 48 metal stakes, 11.5 inches long, 3/16 dia, with pencil point ends for driving into the ground.

3.3.89 Mirror handle, Telescoping with torch, 350 to 1400 mm with mirror, acrylic, plano, 140mm (mirror p/n SM5/SS): PW Allen is the only company found that provides the correct configuration in an unbreakable mirror material. P/n CEM/ILL with SM5/SS.



3.3.90 Mirror, inspection kit, lighted, in a padded carrying case, equal to General Tools Manufacturing part number 55000.



3.3.91 Mirror, inspection, non-glass, 2.25” round, extends 6-1/2 to 36-3/8 inches: Ullman Devices is the only identified provider of an inspection mirror with a handle that extends from and to the required lengths with an unbreakable mirror material. Model HTC-2.



3.3.92 Mirror, oval, inspection, unbreakable non-glass mirror, 1” x 2” mirror diam. Extends to 19 1/2”. Closes down to 4 1/2”. Ullman Devices is the only provider of an inspection mirror with a handle that extends from and to the required lengths with an unbreakable mirror material. Model HTB-2B.



3.3.93 Mixing container, disposable, 5 qt cap. with bail handle.



3.3.94 MULTIMETER (DIGITAL). Multi-meter, 3.75 digits displayed, measure DC 400mV to 1000V, +/- 1% of reading, measure AC 400mV to 750V. +/- 1.3% of reading, DC/AC current 40-400mA, resistance 400 Ohms to 4 Mega ohms, auto power off, auto range select, low battery indicator, auto polarity correction, diode check function, pin probe test leads with banana plugs and additional alligator clips. Equal to Ideal Corp. model 61609.

(No picture)

3.3.95 Not used.

3.3.96 Padlock: Padlocks shall conform to the requirements of Commercial Item Description A-A-1927D dated July 1993 or later. Padlocks shall be Type II and shall be keyed the same in groups of ten. The key shall not be captured in the lock tumbler when the padlock is open. Padlocks do not require chains. Padlocks shall be of solid construction, either brass or bronze, ¼” to 5/16” shackle diameter, and a minimum of 7/8” clearance between body and shackle. An example can be obtained from American Lock Corp., 5200 series.



3.3.97 Pen, ball point, black ink, medium point., with a cap for each pen or a retractable point on each pen. A box of not less than twelve is required.



3.3.98 Pencil sharpener, hand held, for sharpening no. 2 standard wooden pencils, equal to Steadtler 51165.



3.3.99 Pencils, colored, wooden, 1 dozen in a box, not less than 6” long. Equal to Sanford 24059 or equivalent Crayola product. To be sharpened with the pencil sharpener depicted above. Colors supplied can be at the suppliers option, so long as there are twelve different colors supplied.



3.3.100 Pencils, wooden, no. 2 lead hardness, with erasers, 1 dozen in a box. To be sharpened with the pencil sharpener depicted above.



3.3.101 Pliers, needle nose, 6.5" with side cutters and cushioned grips, equal to Channel Lock model 326.



3.3.102 Pliers, diagonal cutting for hardened wires, i.e. stainless steel up to 12 AWG, soft wires up to 9 AWG, with cushioned grips, Equal to Knipex p/n 74 02 200 or 7402-8, or Crescent 5428C.



3.3.103 Pliers, linesman's, 8", with cushioned grips, Equal to Craftsman 9-45094.



3.3.104 Pliers, retaining ring, external and internal combination, 90 degree angle tips, .090 inches ball end, with cushioned grips.

3.3.105 Pliers, arc joint, auto adjust, minimum 9" long, cushioned grips, equal to Craftsman part number 9-45010.



3.3.106 Pliers, slip joint, 8 inch, cushioned grips, equal to Craftsman part number 9-45380



3.3 107 Pliers, wrench, 6" straight, long nose, equal to Vice Grip model 6LN.



3.3.108 Power Tool Combo Pack: 4 TOOL CORDLESS COMBO PACK, 18V or 24V batteries, WITH BLOW MOLDED CARRYING CASE containing:

(1) ½" size battery powered hand drill with keyless chuck, variable speed, reversing, high and low speed range, and adjustable clutch with a metal transmission.

(1) circular saw, 5" min to 6" max saw blade size, spindle lock mechanism, foot tilt from 0 to 45 degrees, retractable blade guard, with one combination 16 teeth per inch blade compatible with circular saw provided,

(1) reciprocating saw, trigger actuated variable speed control, floating blade foot, uses sawzall style blade mount, with one metal cutting blade 6" long, 18 teeth per inch and one wood cutting blade, 6" long with tapered nose,

(1) flood light, 16" flexible neck between battery base and light head, provided with replacement bulb stored in the light.

(1) battery charger compatible with batteries provided, 1 hour recharge time,

(2) interchangeable battery packs.

Batteries shall be Nickel-Cadmium based, recyclable, and rechargeable a minimum of 1200 times. Batteries shall be manufactured for the specific brand of tool, of a single voltage and amperage. Battery shall be one-hour charge. Batteries shall fit into all cordless tools in this set that requires 18-volt or 24 volt battery as appropriate. All tools provided shall use the same size battery. Battery charger shall be 120 volt operating, 1.5 Amp. If tools are needed for blade changing/removal, the tool shall be permanently affixed to the tool.

Equal to DeWalt DW4PAK-2

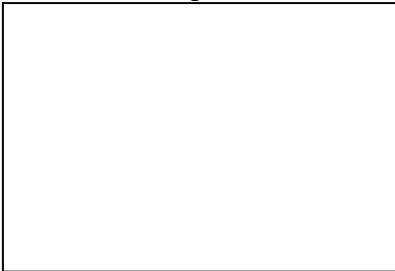




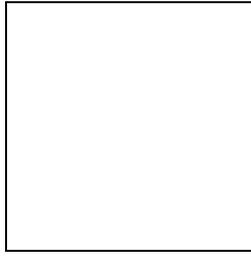
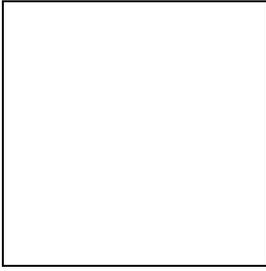
3.3.109 Equilateral Prism - 1.2" (30 mm) x 4" (100 mm) acrylic, Equal to Nasco part number SB14090.



3.3.110 Probe: Mission Knives model TA-1 (5 piece) knurled, made of non-magnetic titanium. Overall assembled length 28.5 inches.



3.3.111 PULLEY Assy: consisting of Petzl Oscillante Pulley, swing sided for emergency use, light weight, nylon sheave, for use with 13mm dia ropes and smaller. REI part number 635118 or equal. Second component is an oval carabiner, spring gated (non-locking), load rated for mountain climbing and emergency rescue work, REI part number 471041 or equal. (Same as the carabiner at paragraph 3.3.5) .



3.3.112 Punch, spring loaded auto actuating: Equal to General Tool and Manufacturing part number 79X.



3.3.113 Rake and shovel combination set with two detachable handles 1 straight and 1 D handle, Equal to Nupla part number 6880540L. (Although this appears to be a single set, the rake head is stored with a different kit than the shovel head and two handles.)



3.3.114 Range finder, laser, equal to Bushnell part number YardagePro 1000. Requirements are: Maximum distance for non-reflective targets shall be not less than 1000 yards. The measurement accuracy shall be not less than plus or minus one yard. The finder shall accurately measure distances as close as 20 yards. The finder shall include a target quality indicator, a low battery indicator, an active laser indicator and a tripod mount. The finder shall read out distances in either yards or meters as selected by the user. The finder shall weigh not more than 1 pound. The finder shall utilize a monocular sight that is not less than 6X magnification power. The finder shall perform distance measurement to a target through foreground clutter like brush and branches. The finder shall readout continuous distance measurements for multiple targets that are scanned in the field of view. The finder shall be provided with a carrying case, an adjustable neck strap and lens caps as required.



3.3.115 Ruler, steel, 12” stainless, metric and SAE, equal to General Tools Manufacturing Part number CF 1247 ME



3.3.116 Saw, hand, finger grip: Equal to Coghlan’s part number 8304. **This is a critical tool.**



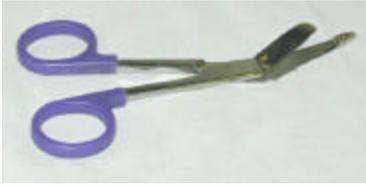
3.3.117 Saw, jab, cushioned grip, equal to Stanley part number 20-220



3.3.118 Scale, drafting, triangular: Equal to Mars Steadtler part number 987-19-31



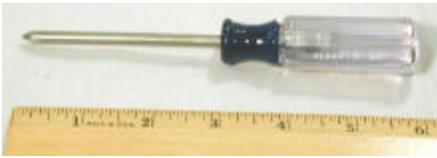
3.3.119 Scissors, bandage, Emergency Med Tech style: Equal to Techni-Tool part number 1125C644



3.3.120 Spotting scope: Consisting of the following three items: body angled – p/n TSN821, soft case for body angled p/n CNW-5, 20X to 60X eye piece p/n TSE-Z7, Equal to KOWA part numbers TSN 821, TSE-Z7, and CNW-5.



3.3.121 Screwdriver, cross tip, #1 , 3” blade length, ergonomic handle, equal to Craftsman 9-41294.



3.3.122 Screwdriver, cross tip, #2, 4” blade length, ergonomic handle, equal to Craftsman 9-41295.



3.3.123 Screwdriver, cross tip, #3, 6” blade length, ergonomic handle, equal to Craftsman 9-41297.



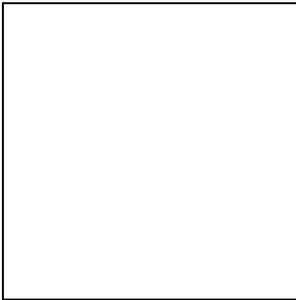
3.3.124 Screwdriver, cross tip, #4, 8" blade length, ergonomic handle, equal to Craftsman 9-41298.



3.3.125 Screwdriver, cross tip, stubby #2, 1.5" blade length, ergonomic handle, equal to Craftsman 9-4118.



3.3.126 Screwdriver, flat tip, 1/4" wide, 6" blade length, equal to Craftsman 9-41584.



3.3.127 Screwdriver, flat tip, 3/16" wide, 4" blade length, , ergonomic handle, equal to Craftsman 9-41581.



3.3.128 Screwdriver, flat tip, 3/8" wide, 8" blade length, equal to Craftsman 9-41852.



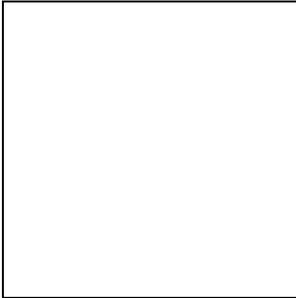
3.3.129 Screwdriver, flat tip, 5/16" wide, 6" blade length, equal to Craftsman 9-41579.



3.3.130 Screwdriver, flat tip, stubby, ¼” wide, 1.5” blade length, equal to Craftsman 9-4151.



3.3.131 Offset reversible ratcheting screwdriver bit wrench set. Includes ¼, 9/32 in. slotted and Nos. 1 and 2 Phillips bits. 25 deg. offset head. Reversing lever installs or removes screws. Magnetic bit holder. Cushioned grip. Fits any ¼ in. hex bit. Equal to Craftsman 9-41715.



3.3.132 Not used

3.3.133 Scriber, machinist’s, equal to General Tools Manufacturing p/n 80.



3.3.134 Shears, metal cutting, curved, equal to ERDI no. 48A.



3.3.135 Shears, metal cutting, straight equal to WISS model M3R.



3.3.136 Sheet plastic, 20 ft X 100 ft, 10 mils thick, clear, equal to Warp Bros of Chicago, p/n 10X20-C.

(No picture)

3.3.137 Shovel with pick, small size, shovel blade is 3 to 4 inches wide and 5 inch max long with tapered nose, pick end is 4 inches long (approx), when in opened up for use position the shovel blade and pick are 90 degrees to handle and 180 degrees opposed to each other and held in position with a threaded collar. the handle length is 6" nominal with a 6" threaded extension that screws into the bottom end of the handle. When in storage position the pick and shovel blades each swing down parallel to the handle 180 degrees opposed to each other. The handle and extension have a rubber hand grip applied. Provided with a fabric carrying belt pouch. Packed size is approximately 7" X 4" X 2". Any subdued, corrosion inhibiting finish is acceptable. Equal to Coleman 836A440T.



3.3.138 Socket extension, socket wrench, 3" long (nominal), 1/4" drive, equal to Craftsman 9-43539



3.3.139 Socket extension for a socket wrench, 6" long (nominal), 1/4" drive, equal to Craftsman 9-43531. Chrome finish.



3.3.140 Socket rail clips, 1/4" size, bag of ten, equal to Craftsman 9-41336.

(No picture)

3.3.141 Socket rail clips, 3/8" size, bag of ten, equal to Craftsman 9-41337.

(No picture)

3.3.142 Socket rail, for 1/4" drive sockets. This socket rail can be one or two pieces with not less than 20 clips total to hold the 1/4" sockets from the socket set in 3.3.144 below. A single rail may be provided that is equivalent to Craftsman 9-41333 with twenty clips on the rail and the handle removed if necessary to accommodate all twenty clips. A handle is not a requirement but can be provided if it is already there. A pair of rails may be provided that are equivalent to Proto 2570 with ten clips on each rail. (If a single rail is used, it comes with 14 clips, then no more than six of the clips described in paragraph 3.3.140 may be used as part of the twenty clips delivered in accordance with this paragraph. The remaining four will be used as spares by the soldiers. If two rails are used, they come with ten clips each, then the clips in paragraph 3.3.140 will also be provided separately as a bag of ten spares available for the soldiers use.)



3.3.143 Socket rail, 3/8" drive sockets. This socket rail can be one or two pieces with not less than eighteen clips total to hold the 3/8" sockets from the socket set in 3.3.145 below. A single rail may be provided that is equivalent to Craftsman 9-41334 with eighteen clips on the rail and the handle removed if necessary to accommodate all eighteen clips. A handle is not a requirement but can be provided if it is already there. A pair of rails may be provided that are equivalent to Proto 2572 with ten clips on each rail. (If a single rail is used, it comes with 14 clips, then no more than six of the clips described in paragraph 3.3.140 may be used as part of the twenty clips delivered in accordance with this paragraph. The remaining four will be used as spares by the soldiers. If two rails are used, they come with ten clips each, then the clips in paragraph 3.3.140 will also be provided separately as a bag of ten spares available for the soldiers use.)



3.3.144 22 piece socket set, 1/4" ratcheting reversible drive, sockets 4 – 13mm and 5/32" – 1/2", all six point, driver handle and ratchet handle, equal to Craftsman 9-34741.



3.3.145 21 piece socket set, 3/8" ratcheting reversible drive, sockets 10mm thru 19mm and 3/8" thru 7/8", all six point, 3" and 6" long 3/8" drive extensions, equal to Craftsman 9-34839.



3.3.146 Storage case, soldering iron. Any rigid plastic storage case not larger than 12" X 7" X 3" with secure clasp that will hold the soldering iron, the charger and tips will suffice. Example: Craftsman 9-65284 or White Ridge Plastics part number 9104-036-20



3.3.147 Soldering iron, cordless: Wahl Clipper is the only known company to make a cordless electric, rechargeable battery powered, portable soldering iron. Wahl no. 7665A599.



3.3.148 Rubber stamp, self inking, confidential



3.3.149 Rubber stamp, self inking, secret.



3.3.150 Rubber stamp, self inking, unclassified.



3.3.151 Rubber stamp, self inking, FOUO.

(No picture available.)

3.3.152 Stapler, desk top use, 20 sheet paper capacity, Equal to Swingline Premium Commercial Stapler no. S7076701A. Uses standard chisel point staples.



3.3.153 Staples, box of 5000 for above stapler.



3.3.154 Steel strap cutter, 24", Equal to H. K Porter no. 6A219.



3.3.155 Stethoscope, Equal to Littman Classic II SE.



3.3.156 Stethoscope, electronic assembly with radio link and carrying case. The stethoscope will be used to listen for “seismic events” generated by mechanical clocks or other triggering devices associated with a suspect package or military ordnance item. The stethoscope system shall be configured to aid in listening for seismic events in a close-up hands on manner utilizing headphones that are electrically coupled to the stethoscope or, for listening for the same types of events from a safe distance hundreds of yards away through headphones coupled to the stethoscope by radio link. The stethoscope system shall consist of the following components:

a. Sensor. The sensor shall be a transducer device in a hand held coupler housing that can be affixed to various surfaces including flat, cylindrical, vertical, horizontal, metal, ceramic, plastic, paper, wood, smooth, rough, painted or plain surfaces, or any combination of the above. The sensor must be coupled to an amplifier with common communications jacks.

b. Amplifier. The amplifier shall be a low noise design with switched automatic gain control and a high/low pass filter. All electronics shall be enclosed and protected for use in wet environments. The amplifier shall have jack in points for the sensor, the headphones, a tape recorder and the transmitter. The amplifier shall be powered by commonly available commercial batteries.

c. Headphones. The headphones shall be designed to fit over the head of the user with an ear cup on each side of the head. Headphone cups shall provide a full cover over the ear to aid in eliminating extraneous background noises and utilize replaceable padded ear cushions. The head phone shall be simple dynamic design without its own volume control or need for batteries, and shall be coupled by the user to either the amplifier for close up use or the receiver for long distance use as required.

d. Transmitter. The transmitter shall receive signal from the amplifier through a wire cable at least 25 feet long. (This allows the transmitter to be placed around corners, outside of building, etc, that may interfere with clear transmission to the receiver.) The transmitter shall clearly transmit its signal to a distance not less than 500 meters away where the receiver will pick up the signal. The transmitter shall include an on/off switch with a light to indicate to the operator that the device is on. The transmitter shall be powered by commonly available commercial batteries.

e. Receiver. The receiver shall have jack in points for the head phones and a tape recorder that are standard audio equipment jacks. The receiver shall be powered by commonly available commercial batteries.

f. Carrying case. The carrying case shall provide a space to store all of the components of the stethoscope and protect it during shipment and long term storage. The case shall provide protection against inclement weather conditions as well as extreme hot and cold conditions.

A known example of an acceptable radio linked stethoscope is M. L. Kaiser part numbers 2047 U/C and 2049 RT or PW Allen P/N 125-621-001/ Contact probe assembly P/N 125-621-002 and Non-Contact head with charger and cables P/N 125-621-003.

3.3.157 Stop watch, analog, accurate to 1/10th of a second, equal to Sportline Quicktimeout Mechanical Stopwatch Model 660.



3.3.158 Surge protector, eight outlet strip, equal to Belkin Surgemaster II.



3.3.159 TAPE, CLOTH, MEASURING, 60" English measure, 150cm metric measure, graduated in 1/8" and 1mm increments.



3.3.160 Tape, marking, orange, 1-3/16 X 300 ft, equal to C. H. Hanson brand.



3.3.161 Tape marking, yellow, 1-3/16 X 300 ft, equal to C. H. Hanson brand.



3.3.162 Tape marking, red, 1-3/16 X 300 ft, equal to C. H. Hanson brand.



3.3.163 TAPE, MEASURING: Metal, 7.5 meters/25 ft, COMBINATION STANDARD / METRIC measures, with lever lock feature. An example is Stanley p/n 30 – 494.



3.3.164 Not used

3.3.165 Test set, blasting cap, M51.

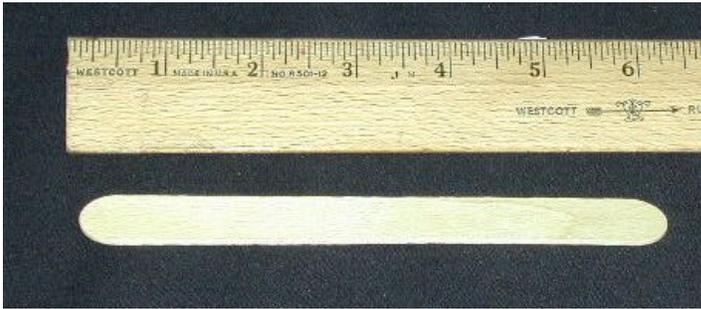


(although 2 are shown, they are not used in pairs)

3.3.166 Thermometer, Fahrenheit and metric readings, outdoor, equal to Taylor/Figgie International Inc., p/n 5301



3.3.167 Tongue depressors, 6" long, wooden, box of 100.



3.3.168 Garden trowel, plastic, absolutely no metal components allowed inside or out, no metal support rods or strengtheners, no rivets, nails, staples, etc. that could set off a metal detecting land mine. Equal to Green Thumb brand no. 740834.



3.3.169 Tweezers, industrial, equal to General Tool Manufacturing no. 411. These tweezers are self closing and need to be squeezed to be opened. They are approximately 4-3/4" long, and have sharp points.

(no picture)

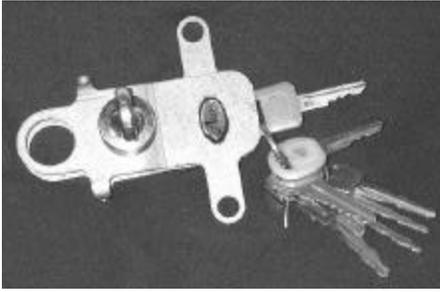
3.3.170 Vehicle Entry, Door Button Pusher: P. W. Allen model no. 600-760. PW Allen is the only known supplier of long distance vehicle entry equipment with the required characteristics.



3.3.171 Vehicle entry, handle lifter: P. W. Allen model no. 600-758. PW Allen is the only known supplier of long distance vehicle entry equipment with the required characteristics.



3.3.172 Vehicle entry, key clamp: P. W. Allen model no. 600-759. PW Allen is the only known supplier of long distance vehicle entry equipment with the required characteristics.



3.3.173 Wading pool, collapsible, foldable, decontaminable, reusable, portable, 4' x 6' x 8", 18 Oz vinyl or stronger, OD or subdued color. If side support straps are part of the design they should be on the outside of the structure with stake down points provided. Similar to Basic Concepts wading pool spill containment device. The pool depicted does not meet all of the requirements but is provided for clarification purposes.



3.3.174 Warning triangles, vehicle, foldable for compact storage and with weighted bottoms for stability in windy environments, approximately 16" on a side. Equal to Custom Accessories Inc., Niles, IL 60714, p/n 96667. Must be supplied with a permanent carrying case that will hold three triangles and bases in one case.



3.3.175 Wrench set, combination, metric, 14 pieces, 8, 10, 12, 13, 15, 17, 18, 19, 20, 22, 24, 27, 28 and 32 mm, plus roll up pouch. Equal to Craftsman 9-47015.



3.3.176 Wrench set, combination, SAE, 14 pieces, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8 and 1-1/4", plus roll up pouch, equal to Craftsman 9-47014.



3.3.177 Wrench Adjustable, 8". Equal to Craftsman 9-44603.



3.3.178 Wrench, adjustable, 6", Equal to Craftsman 9-44602.



3.3.179 Wrench, adjustable, 12", Equal to Craftsman 9-44605.



3.3.180 Wrench, locking pliers, curved jaws, (10" vice grips), Equal to Vice-grips 10WR-3.



3.3.181 Wrench, pipe, 18", Equal to Rigid brand.



3.3.182 Wrench, pipe, 10", Equal to Craftsman 9-51651



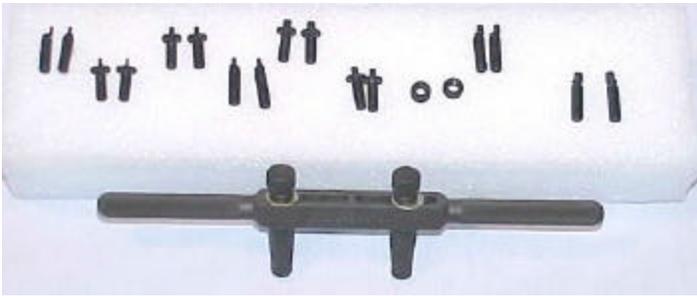
3.3.183 Wrench, strap, 8" handle, Equal to Boa Constrictor 31 340, available from Sears. This wrench must be able to turn items with a 5" diameter.



3.3.184 Wrench, spanner, large, part number 7540608.



3.3.185 Wrench, spanner, Navy part number 2847285.



3.3.186 Plastic case to carry the two spanner wrenches, with foam cutouts to hold all the parts in place. An example of a case is shown in the picture are 3.3.184. The case depicted has an interior compartment size of 18" X 6.25" X 2" deep. The required case shall contain both of the above spanner wrenches, items 3.3.184 and 3.3.185, with a contour cut foam insert for holding each part independently and securely for transport.

3.3.187 Memory card for digital camera. 128 megabyte Secure Digital memory card.

3.4 **LOADING PLAN**

For this effort all the items will be packed inside of bags, boxes or shipping containers of one type or another. To aid in this effort the bags, boxes and containers will be identified by letter and also by description. Shipping containers will be made to facilitate shipment of the loaded cases and other items too large to fit into one of the cases or bags. Those items will be loaded into the EOD response vehicle by the receiving unit. References to brand names below do not make them mandatory requirements, the names are given only to help keep the bags, boxes and cases straight.

- A - a shipping container
- B - a Pelican brand case no. 1550 (there is only one)
- C - a black Gatemouth bag, p/n 99112
- D - a 26" black plastic tool box called "Tuff box"
- E - another 26" black plastic tool box called "Tuff box"
- F - case that came with or is provided for the warning triangles
- G - another shipping container

- H - a Pelican case, no. 1520
- I - another Gatemouth bag, p/n 99112
- J - the blow molded case that came with the power tools
- K - cloth case that came with the grapnel hook
- L - contractor's briefcase, black
- M - another contractor's briefcase, black
- N - another pelican case no. 1520
- O - black canvas brief case (without tool pockets)
- P - another Pelican case no. 1520
- Q - another Gatemouth bag, p/n 99112
- R - case that came with the electronic stethoscope

A - CHEMICAL DOWN RANGE KIT: All items are to be placed in a shipping container. The black tool bag is to be stored empty along with the rest of the tools in the shipping container.

ITEM	U/I	QTY	PARA
Bag, tool, soft case, black (this bag is not lettered because it is delivered empty along with the rest of the items in the shipping container)	EA	1	3.3.4
Brush, scrub	EA	2	3.3.14
Indicator, wind speed	EA	2	3.3.74
Knife, pocket, (Emergency Survival)	EA	2	3.3.78
Magnetic compass	EA	1	3.3.86
Marking set, M274, NBC	SE	1	3.3.88
Rake, garden, collapsible, head only	EA	1	3.3.113
Scissors, bandage	EA	2	3.3.119
Sheet plastic, 20 ft X 100 Ft, rolled, 10 mil thick, clear	RL	1	3.3.136
Stopwatch	EA	2	3.3.157
Thermometer, outdoor	EA	2	3.3.166
Wading pool, collapsible, 4' x 6' x 8",	EA	1	3.3.173

B - DEMOLITION KIT: Place all items in the Pelican 1550 case except for the fire extinguishers.

Case	EA	1	3.3.25
Bag, demolition	EA	2	3.3.3
Test set, blasting cap:	EA	2	3.3.165
Box, blasting cap	EA	2	3.3.12
Container, cavity charge MK 1 mod 0	EA	4	3.3.32
Container, cavity charge MK 2 mod 1	EA	10	3.3.33
Container, cavity charge MK 3 mod 0	EA	4	3.3.34
Container, cavity charge MK 7 mod 1	EA	2	3.3.35
Container, cavity charge MK 7 mod 2	EA	2	3.3.36
Container, cavity charge MK 7 mod 3	EA	2	3.3.37
Container, cavity charge MK 7 mod 4	EA	2	3.3.38
Container, cavity charge MK 7 mod 5	EA	2	3.3.39
Container, cavity charge MK 7 mod 6	EA	2	3.3.40

Container, cavity charge MK 7 mod 7	EA	2	3.3.41
Container, cavity charge MK 7 mod 8	EA	2	3.3.42
Crimper, blasting cap, M2	EA	2	3.3.46

C - GAGGING KIT: Pack all items into the black, soft sided tool case.

Bag, tool, soft case, black	EA	1	3.3.4
Canteen, plastic (1 quart)	EA	2	3.3.22
Gun, epoxy sealant	EA	2	3.3.66
Mixing container (5 qt cap paint bucket)	EA	5	3.3.93
Tongue depressors (box of 100)	BX	1	3.3.167

D - GENERAL TOOLS: (Box 1) Place all items in the tool box, called "Tuff Box"

Case, tool box, 26 X 8.75 X 10.5 inch	EA	1	3.3.26
Bar, combination pry & scraper	EA	1	3.3.7
Bar, wrecking	EA	1	3.3.8
Hacksaw blade, 18 teeth per inch (bundle of 10)	BD	1	3.3.67
Hacksaw blade, 24 teeth per inch (bundle of 10)	BD	1	3.3.68
Hacksaw, frame, hand	EA	1	3.3.69
Hammer, hand, (Octagonal Face)	EA	1	3.3.72
Pliers, lineman's	EA	1	3.3.103
Pliers, "Robogrip" - 9"	EA	1	3.3.105
Pliers, slip joint, 8 inch	EA	1	3.3.106
Pliers, wrench, ("vise grips") 6 LN	EA	1	3.3.107
Socket extension, socket wrench, 3" long, 1/4" dr	EA	1	3.3.138
Socket extension, socket wrench, 6" long, 1/4" dr	EA	1	3.3.139
Socket rail clips, 1/4 size (bag of 10)	PK	1	3.3.140
Socket rail clips, 3.8 size (bag of 10)	PK	1	3.3.141
Socket rail, 1/4" sockets	EA	1	3.3.142
Socket rail, 3/8" sockets	EA	1	3.3.143
Socket set, 1/4" dr, 4-13mm \ 5/32"-1/2"	SE	1	3.3.144
Socket set, 3/8" dr, 10-19mm \ 3/8"-7/8"	SE	1	3.3.145
Wrench set, combination, metric, 14 pc, 8-32mm	SE	1	3.3.175
Wrench set, combination, SAE 14 pc, 3/8 to 1-1/4	SE	1	3.3.176
Wrench, adjustable (8" long)	EA	1	3.3.177
Wrench, adjustable 6"	EA	1	3.3.178
Wrench, adjustable, 12"	EA	1	3.3.179
Wrench, locking pliers	EA	2	3.3.180
Wrench, pipe (18" long)	EA	1	3.3.181
Wrench, pipe, 10"	EA	1	3.3.182
Wrench, pipe, strap, 2", 18" handle	EA	2	3.3.183
Wrench, spanner	EA	1	3.3.184

E. General Tools, Box 2 (another Tuff Box)

Case, tool box	EA	1	3.3.26
Carabiner, snap link, mountain, oval	EA	5	3.3.5
Chisel and punch set, consisting of 3 chisels, 1 center punch, 9 pin punches, 1 roll up pouch	SE	1	3.3.27
Light, Headlamp	EA	2	3.3.83
Light, Lantern, Battery powered, 4000 candle power	EA	1	3.3.84
Light, fluorescent with drop cord	EA	1	3.3.80
Pliers, diagonal cutting	EA	1	3.3.102
Pliers, retaining ring	EA	1	3.3.104
Screwdriver, cross tip, # 1	EA	1	3.3.121
Screwdriver, cross tip, # 2	EA	1	3.3.122
Screwdriver, cross tip, # 3	EA	1	3.3.123
Screwdriver, cross tip, # 4	EA	1	3.3.124
Screwdriver, cross tip, stubby, # 2	EA	1	3.3.125
Screwdriver, flat tip, 1/4" wide	EA	1	3.3.126
Screwdriver, flat tip, 3/16" wide	EA	1	3.3.127
Screwdriver, flat tip, 3/8" wide	EA	1	3.3.128
Screwdriver, flat tip, 5/16" wide	EA	1	3.3.129
Screwdriver, flat tip, stubby 1/4" wide	EA	1	3.3.130
Screwdriver, offset, (handle and 4 tips)	EA	1	3.3.131
Scriber, machinist's	EA	1	3.3.133
Shears, metal cutting, curved	EA	1	3.3.134
Shears, metal cutting, Straight	EA	1	3.3.135

F. Plastic carrying case devoted to or delivered with the warning triangles.

Warning triangles	EA	3	3.3.174
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G. Another shipping container

Adapter, plug, grounded (3 to 2 prong). Plug these onto the ends of the 100 ft extension cord (cable assy) that is wrapped onto the cord winder.	EA	2	3.3.1
Cord, non-stretching, 100 meters	Coil	1	3.3.6
Cable assembly, power, electrical, 12 gage wire, 100 ft, with multi receptacle. Store on cord winder.	EA	1	3.3.16
Cord Winder (with cable assembly stored on it)	EA	3	3.3.43
Cutter, Steel cable, 24 inch long	EA	1	3.3.48
Cutters, bolt, 24" long, clipper cut	EA	1	3.3.50
Hammer, hand, straight pein with fiberglass handle, 8lb	EA	1	3.3.71
Padlock: 5200 Series (Keyed the Same) (10 per box). Pack these into the top of the container so that they are easily retrieved for use.	BX	1	3.3.96
Handle, for the shovel, with the D hand grip	EA	1	3.3.113
Shovel head, detachable	EA	1	3.3.113
Steel strap cutter	EA	1	3.3.154
Handle, for the rake, without the D	EA	1	3.3.113

Fire extinguisher (PURPLE K) BC, 5 lb	EA	2	3.3.60
Storage case containing spanner wrenches in 3.3.184 and 3.3.185	SET	1	3.3.186
Vehicle Entry, Handle Lifter	EA	1	3.3.171
Container, blasting cap	EA	1	3.3.31

H. IMPROVISED EXPLOSIVE DEVICES KIT

Case	EA	1	3.3.24
Multimeter (digital)	EA	1	3.3.94
Scissors, bandage	EA	1	3.3.119
Bar, comb pry & scraper	EA	1	3.3.7
Crimping tool, terminal, hand	EA	1	3.3.47
Cutter, Steel cable, 7" long	EA	1	3.3.49
Explorer, dental (Micro pick set)	SE	1	3.3.58
Finger, mechanical: four finger	EA	1	3.3.59
Forceps, hemostat, curved	EA	2	3.3.61
Forceps, hemostat, straight	EA	2	3.3.62
Knife blade set, Jab style, for X-acto knife	SE	1	3.3.77
Knife, X-acto	EA	1	3.3.79
Magnifying glass, illuminated, 3 to 4 inch dia	EA	1	3.3.87
Mirror, inspection, non-glass, 2.25" round, extend 9-1/2 to 37 inches	EA	1	3.3.91
Mirror, oval, inspection, non-glass handle extends 8 to 28 inches	EA	1	3.3.92
Pliers, diagonal cutting	EA	1	3.3.102
Prism	EA	2	3.3.109
Punch, auto-actuated	EA	2	3.3.112
Saw, hand, finger-grip	EA	1	3.3.116
Scriber, machinist's	EA	1	3.3.133
Shears, metal cutting, straight	EA	1	3.3.135
Tape, measuring: Metal, 26 ft, (usually marked as 25 ft) combination standard / metric	EA	1	3.3.163
Tweezers, industrial	EA	1	3.3.169
Wrench, locking pliers (10WR-3)	EA	2	3.3.180

I. Improvised Explosive Devices - soft case bag

Bag, tools case, black	EA	1	3.3.4
Carabiner, snap link, mountain, oval	EA	5	3.3.5
Drill set, twist: (complete set)	SE	1	3.3.55
Bottle, spray	EA	2	3.3.11
Box, small parts	EA	1	3.3.13
Chisel, woodworking	SE	1	3.3.28
Clamp, spring	SE	1	3.3.29
Dust pan and brush (small)	SE	1	3.3.57
Gloves, surgical, powdered, non latex	BX	1	3.3.63
Hammer, hand	EA	1	3.3.70
Mirror, inspection kit, lighted	EA	1	3.3.90

Saw, jab (store in roll with chisels)	EA	1	3.3.117
Soldering iron storage case	EA	1	3.3.146
Soldering iron, (cordless)	EA	1	3.3.147
Vehicle Entry, Door Button Pusher	EA	1	3.3.170
Vehicle Entry, Key Clamp	EA	1	3.3.172

J. Part of the IED Kit but this item has its own case.

Power Tool Kit: 4 Tool Cordless Combo Pack, 18 V, With Blow Molded Carrying Case	SE	1	3.3.108
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K. Part of the IED Kit but this item has its own case.

Grapnel Hook, Launched, US Army	SE	1	3.3.65
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L. VIP KIT, brief case 1

Bag, Contractor's brief case, black	EA	1	3.3.2
Coveralls, disposable, lightweight,	EA	1	3.3.45
Disposable utility knife (snap knife)	EA	1	3.3.54
Dust mask (box of 10, divide box, put 5 in each bag.)		5	3.3.56
Explorer, dental (Micro pick set)	SE	1	3.3.58
Light, flashlight (Mag Lite 3-D Cells)	EA	1	3.3.81
Light, flashlight (Mini-Mag Lite 2-AA Cells)	EA	1	3.3.82
Magna bit set (29 Piece)	SE	1	3.3.85
Mirror handle, Telescoping with torch, 350 to 1400 mm with mirror, acrylic, plano, 140mm (p/n SM5/SS)	SE	1	3.3.89
Mirror, inspection, non-glass, 2.25" round, extend 9-1/2 to 37 inches	EA	1	3.3.91
Piers, Needle nose, (6.5" Long w/Side Cutters)	EA	1	3.3.101
Probe (model TA-1 (5 piece) knurled, made of non-magnetic titanium)	EA	1	3.3.110
Stethoscope (standard)	EA	1	3.3.155
Wrench, adjustable (8" Long)	EA	1	3.3.177

M. VIP KIT, brief case 2

Bag, Contractor's brief case, black	EA	1	3.3.2
Coveralls, disposable, lightweight,	EA	1	3.3.45
Disposable utility knife (snap knife)	EA	1	3.3.54
Dust mask (box of 10, divide box, put 5 in each bag.)		5	3.3.56
Explorer, dental (Micro pick set)	SE	1	3.3.58
Light, flashlight (Mag Lite 3-D Cells)	EA	1	3.3.81
Light, flashlight (Mini-Mag Lite 2-AA Cells)	EA	1	3.3.82
Magna bit set (29 Piece)	SE	1	3.3.85
Mirror handle, Telescoping with torch, 350 to 1400 mm with mirror, acrylic, plano, 140mm (p/n SM5/SS)	SE	1	3.3.89
Mirror, inspection, non-glass, 2.25" round, extend 9-1/2 to 37 inches	EA	1	3.3.91
Piers, Needle nose, (6.5" Long w/Side Cutters)	EA	1	3.3.101

NOT USED			
Stethoscope (standard)	EA	1	3.3.155
Wrench, adjustable (8" Long)	EA	1	3.3.177

N. TECHNICAL INTELLIGENCE KIT, first bag

Case	EA	1	3.3.24
Camera tripod, with Ball head	EA	1	3.3.19
Camera, digital	EA	1	3.3.20
Camera, still picture (instant)	EA	1	3.3.21
Surge protector (seven outlet strip)	EA	1	3.3.158
Tape, cloth, measuring, 60", metric & eng comes in pack of 12, use only one per set	EA	1	3.3.159
128 megabyte compact flash card	EA	1	3.3.187

O. TECHNICAL INTELLIGENCE KIT, second bag

Bag, Soft, Black, brief case style	EA	1	3.3.2
Carbon paper, box of 100 sheets	PG	1	3.3.23
Graph paper	PG	1	3.3.64
Highlighter set, 4 color	SE	1	3.3.73
Pen, ball point	BX	1	3.3.97
Pencil sharpener	EA	1	3.3.98
Pencil, Colored, 12 to a box	BX	1	3.3.99
Pencil, wooden, no. 2 lead, with eraser	BX	1	3.3.100
Ruler, steel, 12", stainless, metric and eng	EA	1	3.3.115
Scale, drafting, Triangular	EA	1	3.3.118
Stamp, rubber, confidential	EA	1	3.3.148
Stamp, rubber, secret	EA	1	3.3.149
Stamp, rubber, unclassified	EA	1	3.3.150
Stamp, rubber, FOUO	EA	1	3.3.151
Stapler, hand held	EA	1	3.3.152
Staples (box of 5000)	BX	1	3.3.153

P. RECONNAISSANCE KIT, first bag

Case	EA	1	3.3.24
Brush, tool cleaning, (10" Long)	EA	1	3.3.15
Caliper, inside	EA	1	3.3.17
Caliper, outside	EA	1	3.3.18
Magnifying glass, illuminated, 3 to 4 inch dia	EA	1	3.3.87
Mirror, inspection, non-glass, 2.25" , round,	EA	1	3.3.91
Mirror, oval, inspection, non-glass, extends 8 to 28 inches	EA	1	3.3.92
Range Finder, Laser	EA	1	3.3.114
Saw, hand, finger-grip	EA	1	3.3.116
Scope, spotting, consisting of the following three items: body TSN 821, case CNW -5, eye piece TSE-Z7	EA	1	3.3.120

NOT USED			
Tape, cloth, measuring, 60", metric & eng comes in pack of 12, use only one per set	EA	1	3.3.159

Q. RECONNAISSANCE KIT, second bag

Bag, tool, soft case, black	EA	1	3.3.4
Carabiner, snap link, mountain, oval	EA	5	3.3.5
Clip board, aluminum, forms holder, with storage compartment	EA	1	3.3.30
Cotter pin assembly, in a plastic case.,	BX	1	3.3.44
Explorer, dental (Micro pick set)	SE	1	3.3.58
Hammer, hand, (Octagonal Face)	EA	1	3.3.72
Key set, Allen, ball end, metric, 9 pcs	SE	1	3.3.75
Key set, Allen, ball end, SAE, 13 pc	SE	1	3.3.76
Mirror, inspection kit, lighted	EA	1	3.3.90
Pliers, diagonal cutting	EA	1	3.3.102
Pulley Assy (1 pulley and 1 carabiner make 1 assy which is 1 set)	SET	4	3.3.111
Shovel with pick, hand (small)	EA	1	3.3.137
Tape, marking (orange)	RL	4	3.3.160
Tape, marking (yellow)	RL	4	3.3.161
Tape, marking (red)	RL	4	3.3.162
Tape, measuring, combination standard / metric	EA	1	3.3.163
Trowel (plastic)	EA	1	3.3.168

R. Case that came with the electronic stethoscope.

Stethoscope, electronic assy with radio link and carrying case	EA	1	3.3.156
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3.5 Special loading requirements. The RECON (P) case, the IED (H) case, and the Tech and Intel (N) case, all Pelican 1520 or equal, are to be loaded using contoured foam inserts, created either from the diced foam supplied with the cases or from any other foam of equal or better characteristics, to hold the items assigned to them.

4 Verifications.

4.1 Responsibility for verification. The contractor is responsible for the verification of all requirements set forth in this specification. The contractor shall verify to the Government that the product offered for acceptance meets all of the specified requirements. The contractor shall also perform verifications during production as necessary to assure that all subsequent production items also meet the same requirements. The contractor may use his own, or any other, facilities suitable for the performance of the product verification in accordance with the procedures specified herein, and subsequent production verification, unless disapproved by the Government.

4.2 Responsibility for compliance. All delivered items must meet all requirements of this contract. The absence of any verification requirements shall not relieve the contractor of the responsibility of assuring that all products submitted to the government for acceptance comply with all requirements of the contract.

4.3 Changes to materials, processes, or configuration. The PCO shall be informed of any changes to the materials, processes, or configuration of any characteristic of the units. The contracting officer shall determine if the reported changes to materials, processes, or configuration shall require any re-approval of the product offered.

4.4 Conformance of production quantity. All product offered for acceptance throughout the life of the contract shall conform to all of the requirements of the contract. The Government reserves the right to re-verify conformance with requirements, at its own facility and at its own expense, at any time during the life of the contract and return to the contractor for replacement such product that does not conform to the specified requirements.

4.5 Warranty. Different tools are offered with different warranties in the commercial market place. In recognition of this fact the Government requires that warranties as indicated in the table below be provided for the following tools as a minimum. GFM items are not the responsibility of the kit assembler. The warranty for GFM items is the responsibility of the original supplier.

TABLE II

Lifetime Warranty	Mfr's Ltd Warranty	No Warranty Required	GFM	Paragraph Number	Nomenclature
		X		3.3.1	Adapter, plug, grounded, 3 prong to 2 prong.
	X			3.3.2	Bag, contractor's brief case, black,
			X	3.3.3	Bag, demolition
	X			3.3.4	Bag, tool carrying, soft side,
	X			3.3.5	Carabiner, snap link, mountain, oval,
		X		3.3.6	Cord, non-stretching, 100 meter coil, 5mm dia,
X				3.3.7	Bar, combination pry and scraper,
X				3.3.8	Bar, wrecking, offset pattern:
				3.3.9	Not used.
				3.3.10	Not used.
		X		3.3.11	Bottle, spray, 16 oz size.
			X	3.3.12	Box, blasting cap,
		X		3.3.13	Box, small parts,
		X		3.3.14	Brush, scrub: NSN 7920 00 240 7174.
		X		3.3.15	Brush, tool cleaning,
	X			3.3.16	Cable assembly, power, electrical, 100 ft long, 110v
X				3.3.17	Caliper, inside, 6"
X				3.3.18	Caliper, outside, 6"
	X			3.3.19	Camera tripod,
	X			3.3.20	Camera, digital.
	X			3.3.21	Camera, still picture
		X		3.3.22	Canteen, 1 qt, captured lid, 402065
		X		3.3.23	Carbon paper, box of 100 sheets ,
X				3.3.24	CASE, PLASTIC, (1520)
X				3.3.25	Case, plastic: (1550)
	X			3.3.26	Case, tool box

	X			3.3.27	Chisel and punch set
	X			3.3.28	Chisel set, wood working,
		X		3.3.29	Clamp set, spring loaded
		X		3.3.30	Clip board, aluminum
			X	3.3.31	Container, blasting cap
			X	3.3.32	Container, cavity charge, MK 1 MOD 0:
			X	3.3.33	Container, cavity charge MK 2 MOD 1
			X	3.3.34	Container, cavity charge MK 3 MOD 0,
			X	3.3.35	Container, cavity charge MK 7 MOD 1,
			X	3.3.36	Container, cavity charge MK 7 MOD 2,
			X	3.3.37	Container, cavity charge MK 7 MOD 3,
			X	3.3.38	Container, cavity charge MK 7 MOD 4,
			X	3.3.39	Container, cavity charge MK 7 MOD 5
			X	3.3.40	Container, cavity charge MK 7 MOD 6
			X	3.3.41	Container, cavity charge MK 7 MOD 7
			X	3.3.42	Container, cavity charge MK 7 MOD 8
	X			3.3.43	Cord winder
		X		3.3.44	Cotter pin set:
		X		3.3.45	Coveralls, disposable
			X	3.3.46	Crimper, blasting cap, M2
X				3.3.47	Crimping tool, terminal, hand:
X				3.3.48	Cutter, steel cable, 24 inches long
X				3.3.49	Cutter, steel cable, 7 inches long,
X				3.3.50	Cutter, bolt, clipper cut, 24 inch
				3.3.51	Not used.
				3.3.52	Not used.
				3.3.53	Not used.
		X		3.3.54	Utility knife, disposable
		X		3.3.55	Drill set, twist, 115 drill bits,.
		X		3.3.56	Dust mask,
		X		3.3.57	Dust pan and whisk brush set
		X		3.3.58	Explorer, dental, hooks
		X		3.3.59	Finger, mechanical
		X		3.3.60	Fire extinguisher, purple
	X			3.3.61	Hemostats, curved, 5 inch
	X			3.3.62	Hemostats, straight, 5 inch
		X		3.3.63	Gloves, surgical
		X		3.3.64	Graph paper, ream of 100 sheets,
			X	3.3.65	Grapple hook, launched
			X	3.3.66	Dispenser, sealant
		X		3.3.67	Hacksaw blade, 18 TPI, pack of ten.
		X		3.3.68	Hacksaw blade, 24 TPI, pack of ten:
X				3.3.69	Hacksaw frame, hand
	X			3.3.70	Hammer, hand, straight claw, 16 oz.
	X			3.3.71	Hammer, hand, 8 pounds,
	X			3.3.72	Hammer, hand, 2.5 to 3 pound head,

		X		3.3.73	Highlighter set, 4 colors.
		X		3.3.74	Indicator, wind speed,
X				3.3.75	L-Key set, ball end, metric
X				3.3.76	L-Key set, ball end, SAE
		X		3.3.77	Knife blade set, jab style saw blades,
			X	3.3.78	Knife, pocket, emergency survival
		X		3.3.79	Knife, X-acto
	X			3.3.80	Light, extension
	X			3.3.81	Flashlight, halogen lamp, "D" cell size
	X			3.3.82	Flashlight, halogen lamp, 2 AA cell size
	X			3.3.83	Light, headlamp
	X			3.3.84	Light, lantern, battery powered,
X				3.3.85	Magna bit set, 29 pieces with carrying case
		X		3.3.86	Magnetic compass
	X			3.3.87	Magnifying glass, 3 inch lens with 4X power
			X	3.3.88	Marking set, M274 NBC
	X			3.3.89	Mirror handle, Telescoping with torch,
	X			3.3.90	Mirror, inspection kit
	X			3.3.91	Mirror, inspection, non-glass, 2.25" round,
	X			3.3.92	Mirror, oval, inspection, non-glass mirror, 1" x 2"
		X		3.3.93	Mixing container, 5 qt cap
	X			3.3.94	Multi-meter digital
				3.3.95	Not used.
	X			3.3.96	Padlock: 5200 Series, 10 per box, keyed alike,
		X		3.3.97	Pen, ball point, Box of 12, black ink, medium point.
		X		3.3.98	Pencil sharpener,
		X		3.3.99	Pencils, colored, 1 dozen in a box, not less than 6" long
		X		3.3.100	Pencils, wooden, no. 2 lead hardness, 1 dozen in a box.
X				3.3.101	Pliers, needle nose, 6.5" with side cutters,
X				3.3.102	Pliers, diagonal cutting
X				3.3.103	Pliers, linesman's, 8"
X				3.3.104	Pliers, retaining ring, 90 degree angle tips
X				3.3.105	Pliers, arc joint, auto adjust
X				3.3.106	Pliers, slip joint, 8 inch, cushioned grip
X				3.3.107	Pliers, wrench, 6" straight, long nose
	X			3.3.108	Power Tool Combo Pack:
		X		3.3.109	Equilateral Prism - 1.2" (30 mm) x 4" (100 mm) acrylic
		X		3.3.110	Probe
	X			3.3.111	Pulley Assy
	X			3.3.112	Punch, auto actuating
	X			3.3.113	Rake and shovel combination set
	X			3.3.114	Range finder, laser
		X		3.3.115	Ruler, steel, 12" stainless, metric and SAE
		X		3.3.116	Saw, hand, finger grip
	X			3.3.117	Saw, jab, cushioned grip
		X		3.3.118	Scale, drafting, triangular

	X			3.3.119	Scissors, bandage,
	X			3.3.120	Spotting scope
X				3.3.121	Screwdriver, cross tip, #1 , 6" long
X				3.3.122	Screwdriver, cross tip, #2, 10" long
X				3.3.123	Screwdriver, cross tip, #3,, 8" long
X				3.3.124	Screwdriver, cross tip, #4, 13" long
X				3.3.125	Screwdriver, cross tip, stubby #2, 3.5"
X				3.3.126	Screwdriver, flat tip, 1/4" wide, 6" blade
X				3.3.127	Screwdriver, flat tip, 3/16" wide, 7.5" long
X				3.3.128	Screwdriver, flat tip, 3/8" wide
X				3.3.129	Screwdriver, flat tip, 5/16" wide
X				3.3.130	Screwdriver, flat tip, stubby, 1/4" wide
X				3.3.131	Offset reversible ratcheting screwdriver.
				3.3.132	Not used
		X		3.3.133	Scriber, machinist's,
	X			3.3.134	Shears, metal cutting, curved
	X			3.3.135	Shears, metal cutting,
		X		3.3.136	Sheet plastic, 20 ft X 100 ft, 10 mils thick, clear
		X		3.3.137	Shovel with pick, small size
X				3.3.138	Socket extension, socket wrench, 3" long, 1/4" drive
X				3.3.139	Socket extension, socket wrench, 6" long, 1/4" drive
		X		3.3.140	Socket rail clips, 1/4 size, bag of ten
		X		3.3.141	Socket rail clips, 3/8 size, bag of ten
		X		3.3.142	Socket rail, 1/4" sockets
		X		3.3.143	Socket rail, 3/8" sockets
X				3.3.144	Socket set, 1/4" drive
X				3.3.145	Socket set, 3/8" drive
		X		3.3.146	Storage case, soldering iron
	X			3.3.147	Soldering iron, cordless
		X		3.3.148	Rubber stamp, self inking, confidential
		X		3.3.149	Rubber stamp, self inking, secret
		X		3.3.150	Rubber stamp, self inking, unclassified
		X		3.3.151	Rubber stamp, self inking, FOUO.
		X		3.3.152	Stapler, desk top
		X		3.3.153	Staples, box of 5000
		X		3.3.154	Steel strap cutter, 24"
	X			3.3.155	Stethoscope, Medical
	X			3.3.156	Stethoscope, Electronic Assembly
	X			3.3.157	Stop watch, analog,
		X		3.3.158	Surge protector, eight outlet strip
		X		3.3.159	Tape, cloth, measuring, 60", 150cm
		X		3.3.160	Tape, marking, orange, 1-3/16 X 300 ft,
		X		3.3.161	Tape marking, yellow, 1-3/16 X 300 ft,
		X		3.3.162	Tape marking, red, 1-3/16 X 300 ft,
	X			3.3.163	Tape, measuring
				3.3.164	Not used

		X	3.3.165	Test set, blasting cap, M51 used in pairs)
		X	3.3.166	Thermometer, outdoor,
		X	3.3.167	Tongue depressors, 6" long, wooden.
	X		3.3.168	Garden trowel, plastic
	X		3.3.169	Tweezers, industrial
	X		3.3.170	Vehicle Entry, Door Button Pusher
	X		3.3.171	Vehicle entry, handle lifter
	X		3.3.172	Vehicle entry, key clamp
	X		3.3.173	Wading pool, collapsible, 4' x 6' x 8", 18 Oz vinyl
	X		3.3.174	Warning triangles, vehicle
X			3.3.175	Wrench set, combination, metric,
X			3.3.176	Wrench set, Combination, SAE
X			3.3.177	Wrench Adjustable, 8
X			3.3.178	Wrench, adjustable, 6"
X			3.3.179	Wrench, adjustable, 12"
X			3.3.180	Wrench, locking pliers, curved jaws, 10"
X			3.3.181	Wrench, pipe, 18"
X			3.3.182	Wrench, pipe, 10"
	X		3.3.183	Wrench, strap, 18" handle
		X	3.3.184	Wrench, spanner, large, NSN 5120-00-025-0701
		X	3.3.185	Wrench, spanner, Navy part number 2847285
		X	3.3.186	Plastic case to carry the two spanner wrenches
	X		3.3.187	128 megabyte flash memory card

5 PRESERVATION, PACKING, AND PACKAGING. Preservation, Packing and Packaging shall be in accordance with ASTM-D-3951 plus the following additional requirements.

5.1 The tools and the tool boxes and bags shall be blocked, braced and cushioned to withstand the rigors of the shipping and handling environment. The tools shall be protected from galvanic corrosion, denting, bumping, scratching or other detrimental effects that could impair the function or useful life of the tools.

5.2 If oak or chestnut wood products are used in the performance of this contract, these wood or wood products must be free of all bark. All non-manufactured wood used in packaging shall be heat-treated to a core temperature of 56 degrees Celsius for a minimum of 30 minutes. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall be affiliated with an inspection agency accredited by the Board of Review of the American Lumber Standard Committee. Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens; on two sides of the pallet.

5.3 Unless otherwise specified herein, shipments to the same destination of identical items having a total packaged displacement exceeding 50 cubic feet shall be palletized unless forklift - handling features such as skids are included on containers.

5.4 Workmanship shall be such that when proper procedure is followed, materials and equipment being processed will be provided the maximum protection against corrosion, deterioration, and be suitable for storage to the level of packaging specified.

5.5 Each tool set and all of its parts shall be packed in shipping containers for shipment to its final destination. Each shipping container shall be identified as part of a group, i.e. 1 of 6, 2 of 6, etc.

5.6 Marking Requirements. Shipping container markings shall be in capital letters of equal height, shall be proportionate to the available marking space and shall contain the following information (if applicable) in the order listed.

- a. NSN/NATO stock number.
- b. CAGE code of the company awarded the contract, and part number of the item as specified in the contract.
- c. Quantity and unit of issue (for this tool kit the unit of issue is 1 each).
- d. Level of protection and date packed.
- e. Contract or purchase order number.

5.6.1 Markings on the shipping container shall be grouped into three distinct categories:

- 1) identification markings,
- 2) contract data markings and
- 3) address markings.

5.6.1.1 Identification Markings: (as applicable)

- a. National Stock Number.
- b. CAGE code of the company awarded the contract and part number of the item in the container.
- c. Quantity and unit of issue (Qty - 1 each / UOI – 1 each).
- d. Level of protection and date packed_____.
- e. Gross weight _____ and cube _____.
- f. Item description: ENGINEER, CONSTRUCTION, CARPENTER'S TOOL KIT

5.6.1.2 Contract Data Markings. The contract data marking placed under the identification markings, shall consist of the contract or purchase order number.

5.6.3 Address Markings. The address markings placed to the right of the identification and contract data markings (if space is available) shall consist of the following information in the order shown.

- a. Transportation Control Number (This shall serve as the single standard shipment identification number when a TCN is required.)
- b. FROM: Name and address of the contractor (including nine-digit zip code). When supplies are shipped from a subcontractor, only the name and address of the company awarded the contract shall be used.
- c. TO: Name and address of consignee (DOD Activity Address Code (DODAAC) and in the clear address if applicable

In addition to the above information, the NSN/NATO stock number shall be bar coded on the unit packs and intermediate containers. The following shall be bar coded on the shipping container. All bar coding shall use the 3 of 9 format in accordance with ANSI MH10.8.1-2000

NSN/NATO stock number.

Contract or order number.

CAGE code of the company awarded the contract.

Contract Line Item Number (CLIN) if applicable.