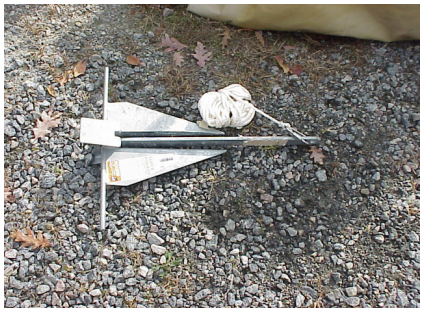
TACTICAL WATER PURIFICATION SYSTEM (TWPS)

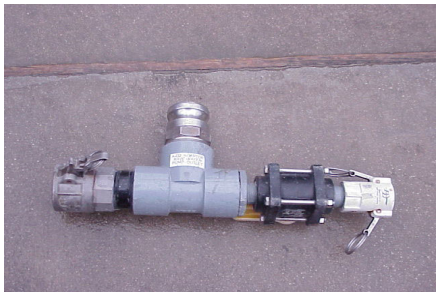
PICTORIAL INVENTORY

ARMY TM 10-4610-309-14
MARINE CORPS TM 10802A-14/1

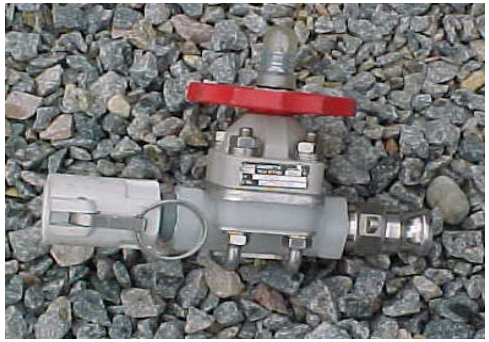


2040-01-527-5798
Anchor
1 ea

4730-01-526-0681 Assembly
Adapter A01
1ea

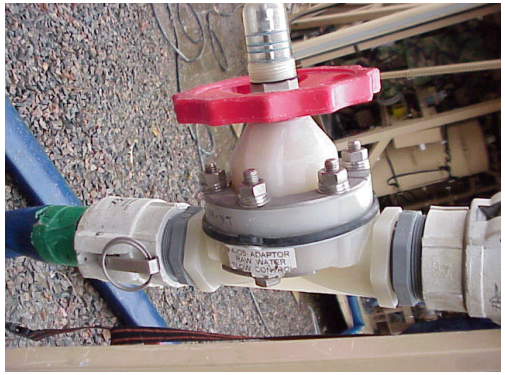


4730-01-526-0681 Assembly,
Adapter A02
1ea



4820-01-526-0795 Assembly,
Adapter A03
1ea

4730-01-526-0829 Assembly,
Adapter A04
1ea



4820-526-1034 Assembly,
Adapter A05
1ea

4730-01-526-3555 Assembly,
Adapter A07
2ea

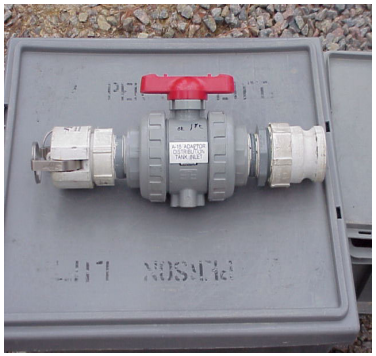
4820-01-526-3498 Assembly,
Adapter A08
2ea

4730-01-526-2858 Assembly,
Adapter A09
1ea

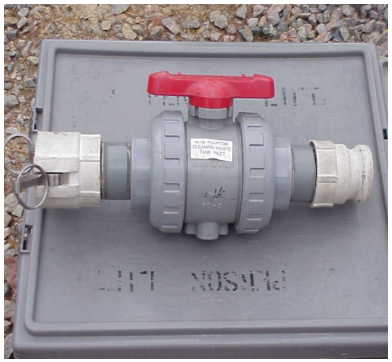
4730-01-526-2859 Assembly,
Adapter A10
1ea

4820-01-526-3498 Assembly,
Adapter A11
1ea

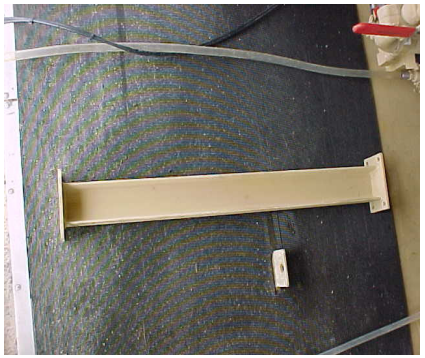
4820-01-526-2860 Assembly,
Adapter A12
1ea



4730-01-526-3538 Assembly,
Adapter A15
2ea



4820-01-526-0795 Assembly,
Adapter A16
3ea



9520-01-527-6158 Beam,
Operator Station
1ea

7240-01-094-4305 Bucket,
Chemical, Red
1ea

7240-01-094-4305 Bucket,
Chemical, Yellow
1ea

7240-01-094-4305 Bucket,

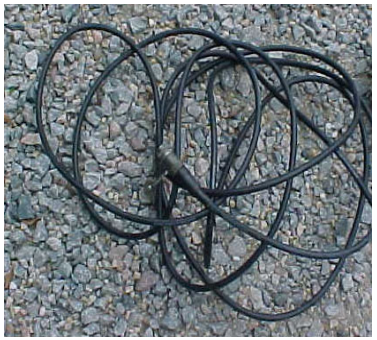
Chemical, Blue

1ea

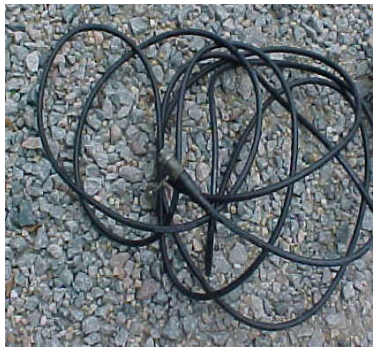
Cable Distribution Pump, 75ft
6150-01-526-2420
1ea

6150-01-526-2412 Cable
MF Feed Pump, 35ft
1ea

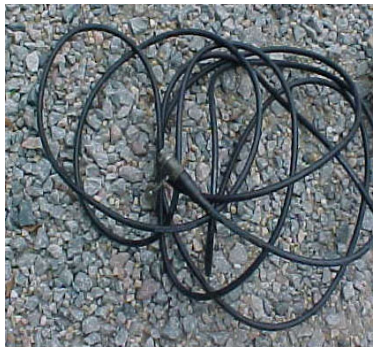
6150-01-526-1813 Cable,
Raw Water, 135ft
1ea



6150-01-526-2479 Cable,
Distribution pump heat blanket
1ea



6150-01-526-*2419 Cable,
Raw Water diesel Pump Blanket
1ea



6150-01-526-*2419 Cable,
Raw Water diesel Pump Blanket
1ea

4730-00-200-0996
Cap Hose Protective
1ea

5340-01-526-3531
Cap, hose 1.5in
6ea

5340-01-526-4624

Cap, hose 2in

21ea

Part number 33905065
Collar A-02
1ea

2540-01-527-6253
Connector Assy, return air
1ea

2540-01-527-6215
Cover Diesel, Pump
2ea

2540-01-527-6248
Cover, MF pump
1ea

2540-01-527-6250 Cover, Raw Water Pump and Distribution Pump
2ea

4720-20-001-8512
Duct Air Flexible 12in x 6ft
2ea

4720-20-001-8512 Duct Air
Flexible 12in x 20ft
2ea

4720-01-527-6197 Duct Air
Flexible 12in x 5.75ft
1ea

2510-01-527-65701
Frame Assembly
1ea

4930-01-527-6151
Fuel Tank Assembly
2ea

6115-01-462-0291
Generator Set 60kw
1ea

4540-01-526-3481 Heat
Blanket ASSY
1ea

4540-01-526-3346 Heat Blanket Assy Hose,F01-1 1ea

4540-01-526-3345 Heat Blanket Assey Hose,F01-2 1ea

4540-01-526-3347 Heat Blanket Assy, Hose F03-1 1ea

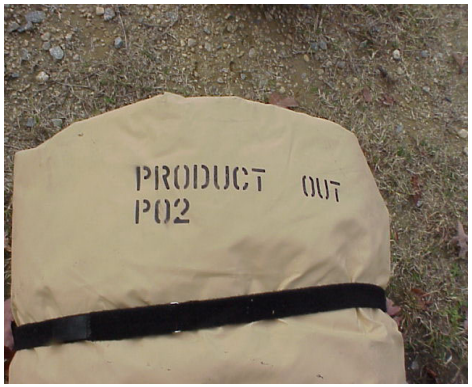
4540-01-526-3348 Heat
Blanket Assy, Hose F03-2
3ea

4540-01-526-3355 Heat

Blanket, Assy,F07

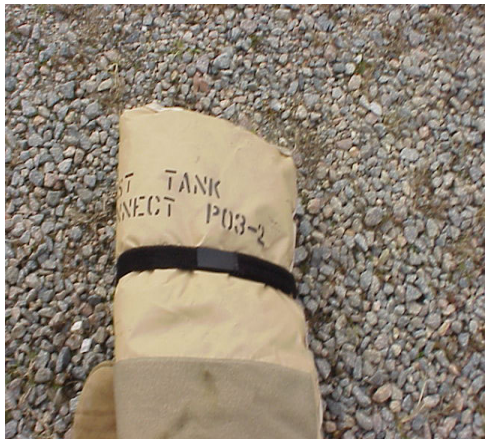
1ea

4540-01-526-3354 Heat
Blanket Assy, F12
1ea



4540-01-526-3472 Heat Blanket Assy, P02
1ea

4540-01-526-3474 Heat Blanket Assy, P03-1
2ea

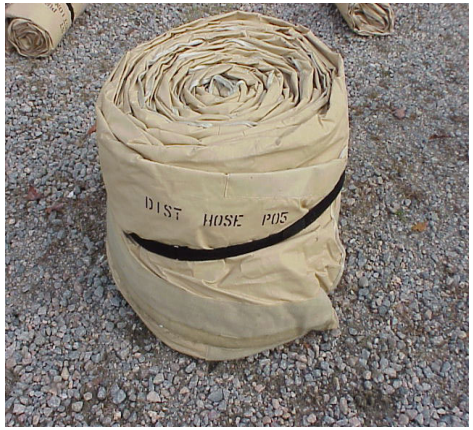


4540-01-526-3475 Heat

Blanket Assy, P03-2

1ea

4540-01-526-3476 Heat Blanket Assy, P04

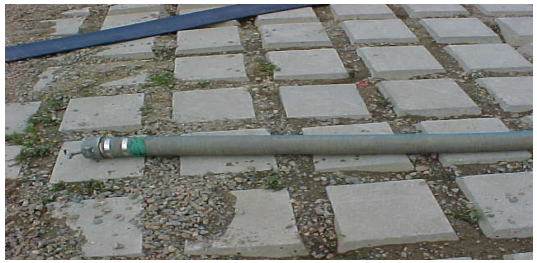


Heat Blanket Assy, P05
4540-01-526-3477
4ea

4520-01-527-6260 Heater,

Portable

1ea



4720-01-526-0756 HOSE ASSY,
F01, 3-in. x 10-ft.
(0U5N7) 33901096-1
EA 13

4720-01-526-2865 HOSE ASSY,
F02, 2-in. x 6-ft.
(0U5N7) 33901096-2
EA 1

4720-01-526-0800 HOSE ASSY,
F03, 2-in. x 50-ft.
(0U5N7) 33901096-4
EA 4

4720-01-526-1036 HOSE ASSY,
F04, 2-in. x 10-ft.
(0U5N7) 33901096-3
EA 1

4720-01-526-2215 HOSE ASSY,

F05, 3-in. x 3-ft.

(0U5N7) 33901096-5

EA 1

4720-01-526-2218 HOSE ASSY,

F07, 3-in x 10-ft.

(0U5N7) 33901096-8

EA 2

4720-01-526-2837 HOSE ASSY,
R04, 4-in. x 5-ft.
(0U5N7) 33901096-6
EA 1

4720-01-526-2855 HOSE ASSY,
R06, 2-in x 10-ft.
(0U5N7) 33901096-7
EA 3

4720-01-526-1040 HOSE ASSY,
F06, 1-in. x 3-ft.
(0U5N7) 33901090-1
EA 2

4720-01-526-2846 HOSE ASSY,
R05, 6-in. x 50-ft.
(0U5N7) 33901090-2
EA 1

4720-01-526-3524 HOSE ASSY,
P02, 1½-in. x 10-ft.
(0U5N7) 33901097
EA 4

4720-01-526-3485 HOSE ASSY,
P03, 2-in. x 5-ft.
(0U5N7) 33901098-1
EA 3

4720-01-526-3479 HOSE ASSY,
P05, 2-in. x 65-ft.
(0U5N7) 33901098-2
EA 4

4720-01-526-3522 HOSE ASSY,
P06, 5/8-in. x 50-ft.
(0U5N7) 33901095
EA 1

4720-01-526-349HOSE ASSY,
P04, 2-in. x 5-ft.
(0U5N7) 33901099
EA 2

4730-01-526-5657 HOSE ASSY,
(OISS), 2-in. x 10-ft.
(0EXU3) 861-08399
EA 6

7240-01-359-0894 LID, Tank,
Chemical, Yellow
(0U5N7) 33902558-1
EA 1

7240-01-359-0894 LID, Tank,
Chemical, Blue
(0U5N7) 33902558-2
EA 1

7240-01-359-0894 LID, Tank, Chemical, Red
(0U5N7) 33902558-3
EA 1

6680-01-527-0326 METER ASSY, Flow
(0U5N7) 33901082
EA 1

4730-01-526-3473 NOZZLE ASSY, Distribution
(0U5N7) 33901103
EA 4

5340-01-527-6280 PANEL #1 ASSY
(0U5N7) 33901586
EA 1

5340-01-527-6288 PANEL #2
ASSY
(0U5N7) 33901553
EA 1

5340-01-527-6289 PANEL #3
ASSY,
(0U5N7) 33901551
EA 1

5340-01-527-6290 PANEL #4
ASSY
(0U5N7) 33901550
EA 1

5340-01-527-6292 PANEL #5
ASSY
(0U5N7) 33901597
EA 1

5340-01-527-6293 PANEL #6
ASSY
(0U5N7) 33901590
EA 1

5340-01-527-6294 PANEL #7 ASSY
(0U5N7) 33901552
EA 1

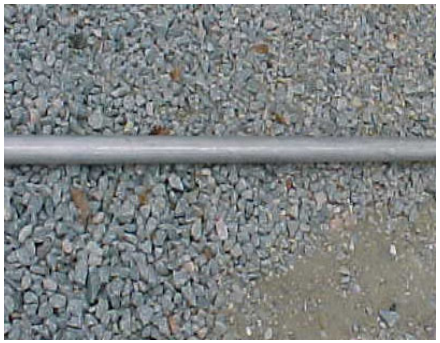
4710-01-526-3796 PIPE ASSY, CPVC (OISS)
(0EXU3) 507-12400
EA 4

4730-01-526-3536 PIPE ASSY, ELBOW (OISS)
(0EXU3) 507-12433
EA 2

4730-01-526-3534 PIPE ASSY, TEE, 3-INCH (OISS)
(0EXU3) 507-12430
EA 1

4730-01-526-3530 PIPE ASSY, TEE, 2-INCH (OISS)
(0EXU3) 507-12431
EA 2

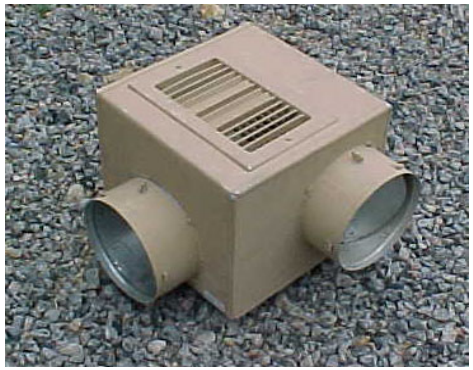
4730-01-526-3540 PIPE COUPLING (OISS)
(0EXU3) 858-07694-000
EA 4



4730-01-526-3571 PIPE NIPPLE,
60-INCH (OISS)
(OEXU3) 857-08404-000
EA 8

4730-01-526-3568 PIPE NIPPLE,
24-INCH (OISS)
(OEXU3) 857-08405-000
EA 4

4140-01-527-6186 PLENUM,
Right Hot Air
(0U5N7) 33901273
EA 1



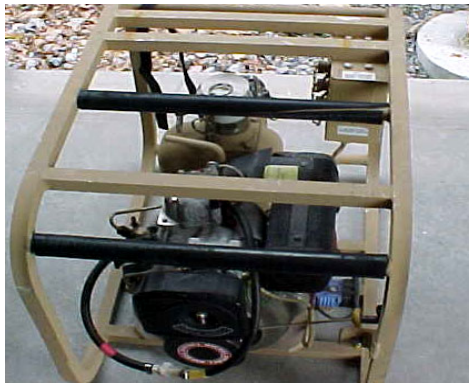
4140-01-527-6184 PLENUM,
Main Hot Air
(0U5N7) 33901272
EA 1

5340-01-526-0665 PLUG,
Hose, 1.5 in.
(33813) 15W-FDAPOLY
EA 2

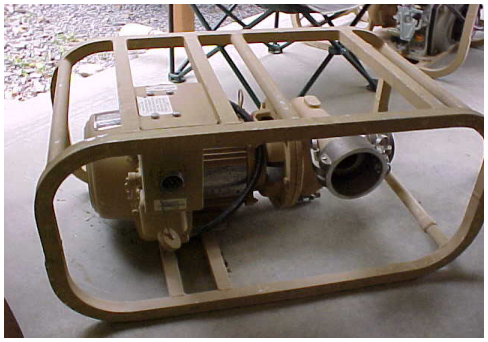
5340-01-526-2794 PLUG,
Hose, 3 in.
(33813) 30W-FDAPOLY
EA 2

5340-01-526-3564 PLUG,
Hose, 2 in.
(33813) 20W-FDAPOLY
EA 16

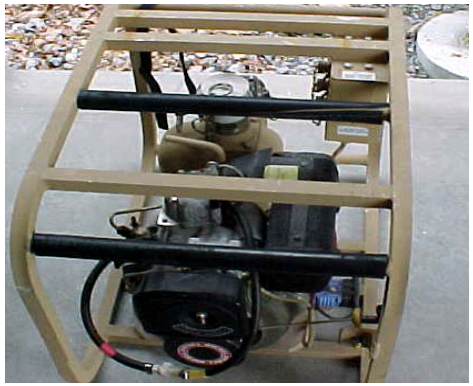
4320-01-527-6155 PUMP
ASSY, Distribution, Electric,
P7 (0U5N7) 33901110
EA 1



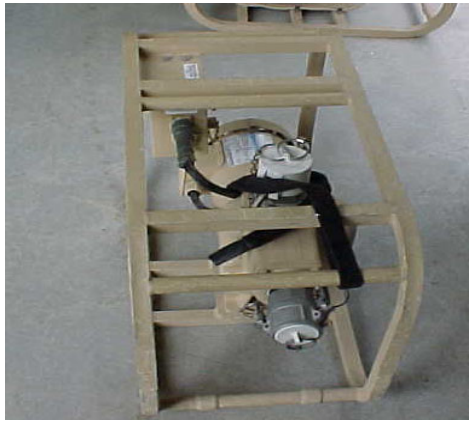
4320-01-527-6262 PUMP
ASSY, Distribution, Diesel,
P8 (0U5N7) 33901153
EA 1



4320-01-527-6156 PUMP ASSY,
Micro-Filtration, P3
(0U5N7) 33901108
EA 1



4320-01-527-5806 PUMP ASSY,
Raw Water, Diesel, P1
(0U5N7) 33901104
EA 1



4320-01-527-6154 PUMP ASSY,
Raw Water, Electric, P2
(0U5N7) 33901106
EA 1

5430-01-359-1078 REPAIR KIT,
COLLAPSIBLE TANK
(58536) A-A-52022
EA 1

4020-01-526-0755
ROPE ASSY, Anchor
(0U5N7) 33901146
EA 1

4020-01-526-4646 ROPE,
Raw Water Hose
(0U5N7) 33902478-4
EA 1

4020-01-526-2214 ROPE,
MF Strainer
(0U5N7) 33902478-1
EA 1

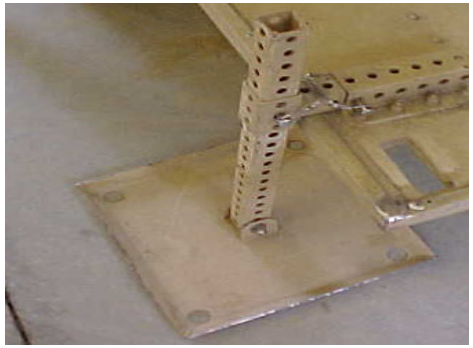
100 4020-01-527-3384 ROPE,
Contamination Avoidance Cover, 60 ft.
(0U5N7) 33902478-3
EA 3

4320-01-527-6152 SEPARATOR ASSY,
Cyclone
(0U5N7) 33901084
EA 1

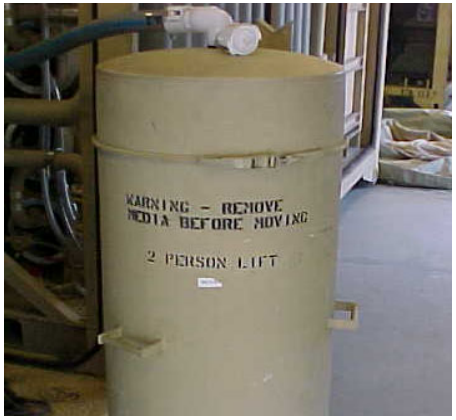
6150-01-526-421 STARTING CABLE,
Diesel Pump P-1, P-8
(0U5N7) 33903004
EA 1

4730-01-527-5802 STRAINER ASSY,
Raw Water, S01
(0U5N7) 33901160
EA 1

4730-01-527-6258 STRAINER,
ICE
(0U5N7) 33901172
EA 1



5340-01-527-6317 SUPPORT ASSY, Deck
(0U5N7) 33901505
EA 4



4230-01-526-1138 TANK ASSY, NBC
(0EXU3) 732-D-08057
EA 1

5430-01-526-2212 TANK, Fabric, 1000 Gallons, MF Feed
(05YK6) RCF-1K-W-OT
EA 1

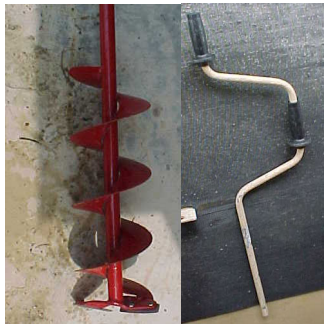
5430-01-470-7380 TANK, Fabric,
3000 Gallons, Distribution
(05YK6) RCF-3K-W-OT
EA 5

5340-01-527-0341 TANK, Fabric,
1500 Gallons, Cleaning Waste
(05YK6) RCF-1.5K-W-OT-Z-WW
EA 1

6120-01-526-3099 TRANSFORMER
General Purpose
(0U5N7) 33903044
EA 1

6625-01-526-9713 TRIPOD ASSEMBLY
(0U5N7) 33901322
EA 1

2540-01-527-6319 WALL, Fabric
(0U5N7) 33905055
EA 1



4230-01-526-1138 AUGER, Ice, with handle
(61702) HD-06
EA 1

5120-01-335-1510 BAR, Pinch
(55719) 2430B
EA 1

3030-00-445-4514 BELT, V,
Air Compressor
(04NP0) A76
EA 1

2540-01-527-0316 BOX,
Storage, BII #1
(0U5N7) 33901230-1
EA 1

2540-01-527-0317 BOX,
Storage, BII #2
(0U5N7) 33901230-2
EA 1

2540-01-527-0318 BOX,
Storage, BII #3
(0U5N7) 33901230-3
EA 1

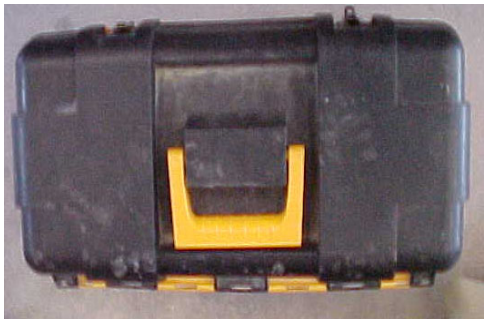
2540-01-527-0063 BOX,
Storage, BII #8
(0U5N7) 33901230-4
EA 1

2540-01-527-0315 BOX,
Storage, BII #4 (Chemicals)
(0U5N7) 33902549
EA 1

2540-01-527-0314 BOX,
Storage, BII #5 (Caustic)
(0U5N7) 33901238
EA 1

2540-01-527-0064 BOX,
Storage, BII Spare Parts
(1KWN3) 00071589
EA 1

3990-01-527-4727 Box,
Storage, Manuals
(0U5N7) 33901320-1
EA 1



2540-01-527-0072
BOX, Tool
(53800) 9-65432
EA 1

7920-00-244-7431
BRUSH, Plater's
(39428) 7187T8
EA 1

3990-01-527-4727 BUCKET, Storage, BII #6
(0U5N7) 33902531
EA 1

3990-01-517-4727 BUCKET,

Storage, BII #7 (Lubricants,

Chlorine) (0U5N7) 33902532

EA 1

5945-01-527-0087 CABLE

ASSY, Solenoid (XV-901)

(0U5N7) 33903015-5

EA 1

5945-01-527-0088 CABLE ASSY,
Solenoid (XV-902/903/910/911)
(0U5N7) 33903015-6
EA 1

5945-01-527-0089 CABLE ASSY,
Solenoid (XV-912)
(0U5N7) 33903015-7
EA 1

4310-01-460-7980 CARTRIDGE, Purifier
(57328) 058821A
EA 1

5940-01-158-4521 CLAMP,
Ground Rod
(56501) L70
EA 2

7240-01-337-5269 CONTAINER,
Fuel, Diesel, 5 gallons
(56161) 10502788
EA 1

4130-01-457-3399 COVER,
Contamination Avoidance
(90598) 65503-100
EA 1

8465-01-526-9820 COVER,
PDP Access
(0U5N7) 33901241
EA 1

8465-01-526-9822 COVER,
Product Water Door
(0U5N7) 33905066
EA 1

8465-01-526-9824 COVER,
Shipping, Product Water Door
(0U5N7) 33905072
EA 1

6640-01-526-9844 CUP,
Measuring 1000 ml
(1UD63) 77038
EA 1

4820-01-526-2507 DISK,
Rupturable
(0EXU3) 925-07813
EA 1

5120-01-354-2770 DRIVER,
Nut, 5/16 in.
(1F9N2) 75048140
EA 1

6150-01-527-0085 EXTENSION
CORD, 100 ft.
(39428) 7438K35
EA 1

5120-01-398-7666 EXTENSION,
Socket Wrench, 3 in.
(53800) 9-44264
EA 1

5120-01-398-7673 EXTENSION,

Socket Wrench, 6 in.

(53800) 9-44261

EA 1

4240-01-527-0099 FACESHIELD,

Industrial (01786) 10179

EA 1

4310-01-460-3415 FILTER,
Air Compressor Inlet
(57328) N00070
EA 1

2940-01-310-4495 FILTER,
Air, Diesel Pump
(0AK42) 114250-12581
EA 1

2910-01-310-6566 FILTER,
Fuel, Diesel Pump
(0AK42) 114250-55121
EA 1

4210-01-527-0100 FIRE
EXTINGUISHER,
Dry Chemical, 3A-40B
(6U173) 21032
EA 1

6230-01-527-0102
FLASHLIGHT, D-Size
(1F9N2) 01042134
EA 4

7240-00-404-9797
FUNNEL, 3 in.
(39428) 1479T3
EA 1

5330-01-526-5279 GASKET,
C&G, 1 in.
(33813) NW2
EA 1

5330-01-526-0670 GASKET,
C&G, 1-1/2 in.
(33813) NW4
EA 2

5330-01-349-8921 GASKET,
C&G, 2 in.
(33813) NW5
EA 12

5330-01-349-6190 GASKET,
C&G, 3 in.
(33813) NW7
EA 10

5330-01-526-4417 GASKET,
C&G, 4 in.
(33813) B08
EA 1

5330-01-526-4418 GASKET,

C&G, 6 in.

(33813) B010

EA 1

5330-01-526-4840 GASKET,
Grooved Coupling, 1 in.
(79154) 75-E-1.0IN
EA 2

5330-01-247-8525 GASKET,
Grooved Coupling, 1.5 in.
(79154) 75-E-1.5IN
EA 4

5330-01-271-5788 GASKET,
Grooved Coupling, 2 in.
(79154) STYLE 77/75/78-2.0IN
GR E
EA 2

5330-01-271-5159 GASKET,
Grooved Coupling, 3 in.
(79154) STYLE 77/75/78-3.0IN
GR E
EA 1

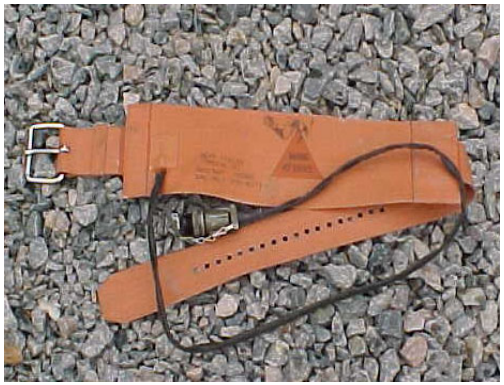
5330-01-509-7366 GASKET,
Sanitary, 4 in.
(0EXU3) 853-09903
EA 1

5330-01-515-3904 GASKET,
Sanitary 6 in.
(0EXU3) 853-09909
EA 1

8415-01-526-9826 GLOVES,
Rubber, Chemical, Pair
(6M644) 6B-6681-9
EA 2

4940-00-873-3651 GUN,
Air Blow
(55719) JT10AS
EA 1

5120-01-398-7647 HANDLE,
Socket Wrench, 3/8 in.
(53800) 9-44811
EA 1



4540-01-526-5918 HEATER,
Pump, Strap-On (Winter)
(0PKE1) 040150A7
EA 3

4940-01-526-2893 HEAT
GUN
(39428) 32605K44
EA 1

4720-01-527-0107 HOSE, Air, w/Quick Disconnect
(0U5N7) 33901165
EA 1

4720-01-527-6200 HOSE, Engine Exhaust, Diesel Pumps P-1, P-8 (0U5N7) 33901224
EA 2

5110-01-459-2663 KEY SET, Hex, Fold up Set
(98198) 90-BH12589
EA 1

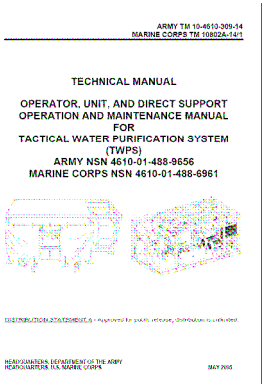
5110-01-428-5225 KNIFE, Utility
(1CV05) 10-179
EA 1

6230-01-527-0111 LIGHT
ASSY, Blackout
(0U5N7) 33903017
EA 1

6230-01-527-0115 LIGHT ASSY,
Trouble
(39428) 8407K12
EA 1

6230-01-527-0117 LIGHT ASSY,
Work (0U5N7) 33903016
EA 1

5120-01-116-6996 MALLET,
Rubber, Wood Handle
(53800) 9-45787
EA 1



ARMY TM 10-4610-309-14
MARINE CORPS TM 10802A-14/1

TECHNICAL MANUAL

OPERATOR, UNIT, AND DIRECT SUPPORT
OPERATION AND MAINTENANCE MANUAL
FOR
TACTICAL WATER PURIFICATION SYSTEM
(TWPS)
ARMY NSN 4610-01-488-9656
MARINE CORPS NSN 4610-01-488-6961

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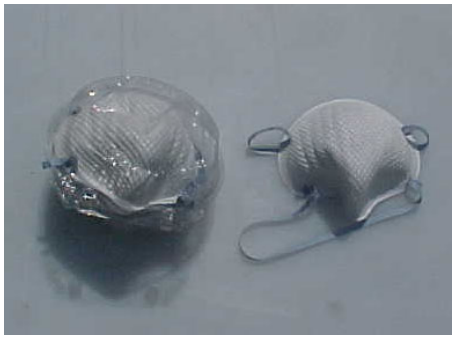
HEADQUARTERS, DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. MARINE CORPS

MAY 2005

MANUAL, Operation and
Maintenance
TM 10-4610-309-14
EA 1

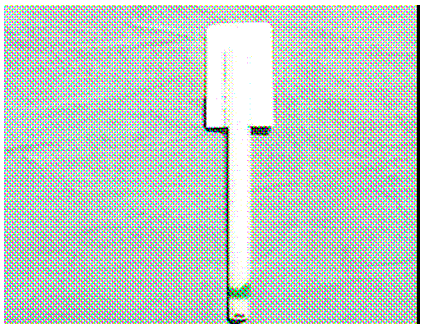


4240-01-527-0105
MASK, Air Filtering (Package of 5)
(6M644) 67644
PG 1

2540-01-527-0125 MAT,
Equipment Area Floor
(0U5N7) 33902486
EA 1

2540-01-527-0126 MAT,
Operator Station Area Floor
(0U5N7) 33902488
EA 1

3940-01-527-0139 NET, Cargo
(098P0) B9154-120144-2R
EA 1

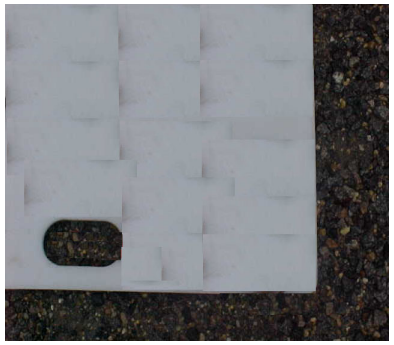


2040-01-413-1455 PADDLE,
Boat (Stirring Paddle)
(27901) 23092
EA 1

5315-01-527-0166 PIN,
Quick Release
(39428) 98480A135
EA 6

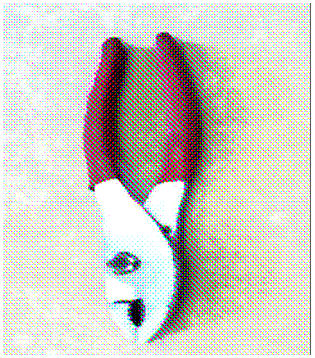
5315-01-526-3545
PIN, Quick Release
(39428) 98416A125
EA 2

7240-00-138-7985 PITCHER, Priming
(27901) 80120
EA 1



2540-01-527-0436 PLATFORM, Pump (0U5N7) 33902269
EA 5

5120-00-069-5230 PLIERS,
Slip Joint
(71379) 10310-006-8
EA 1

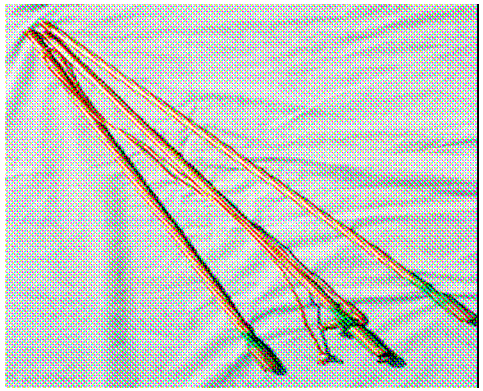


5110-01-131-7095 PLIERS,
Diagonal (43786) CS9336C
EA 1

6515-01-413-7414 PLUG, Ear
(3W556) 0485
PR 10

5210-01-462-6741 PROTRACTOR
(Level)
(08125) 939840
EA 1

4610-01-527-0101 PUSHER,
RO Element
(0U5N7) 33901222
EA 1



3820-00-930-6086 ROD ASSEMBLY,
Ground
(18990) 30162
EA 1

9510-01-527-6320 ROD,
Pump Skid Retaining, Long, 32.5 in.
(0U5N7) 33901229
EA 2

9510-01-527-6321 ROD,
Pump Skid Retaining, Short 20.25 in.
(0U5N7) 33901228
EA 1

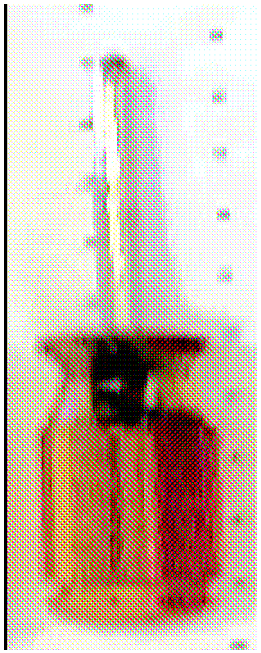
6640-01-035-7935 SCOOP, Large
(1UD63) 80012
EA 1

5120-01-398-9399 SCREWDRIVER,
Flat Tip, 1/8 in. x 3 in.
(53800) 9-47440
EA 1

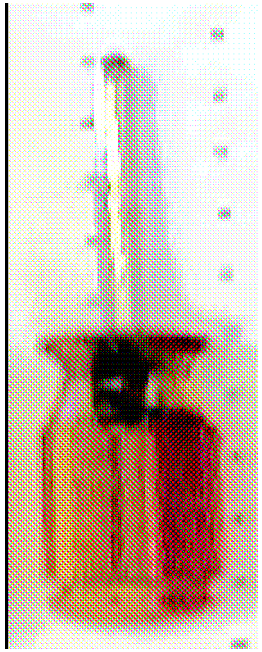
5120-01-398-9400 SCREWDRIVER,
Flat Tip, 3/16 x 4 in.
(53800) 9-47441
EA 1

5120-01-398-9403 SCREWDRIVER,
Flat Tip, 1/4 in. x 6 in.
(53800) 9-47445
EA 1

5120-01-398-9404 SCREWDRIVER,
Flat Tip, 5/16 in. x 8 in.
(53800) 9-47447
EA 1



5120-01-398-9402 SCREWDRIVER,
Cross Tip, #0 x 3 in.
(53800) 9-47434
EA 1



5120-01-398-9405 SCREWDRIVER,
Cross Tip, #1 x 4 in.
(53800) 9-47435
EA 1

5120-01-398-9244 SCREWDRIVER,
Cross Tip, #2 x 4 in.
(53800) 9-47436
EA 1

5120-01-398-9245 SCREWDRIVER,
Cross Tip, #3 x 6 in.
(53800) 9-47437
EA 1

5120-01-013-1676 SLIDE HAMMER,
Ground Rod
(45225) P74-144
EA 1

7240-00-177-6154 SPOUT,
Fuel Can (2C071) 04353
EA 1

4940-00-494-1533 STETHOSCOPE,
Engineer’s
(78495) 2001
EA 1

4730-01-526-2213 STRAINER,
MF Feed Tank
(0EXU3) 923-08139
EA 3

5975-01-476-8290 STRAP, Tiedown,
Hook and Loop, 12 in
(39428) 3955T71
EA 6

3990-01-527-0068 STRAP,
Tiedown, Hook and Loop, 18 in
(39428) 3955T72
EA 8

3990-01-527-0070 STRAP,
Tiedown, Hook and Loop, 36 in
(39428) 3955T74
EA 14

3990-01-527-0073 STRAP,
Tiedown, Hook and Loop, 48 in
(39428) 3955T75
EA 22

TOOL, MF Filter Bypass
(0EXU3) 843-08049
EA 1

TOOL, MF Filter C-Spanner
(0U5N7) 33902284
EA 1

5120-01-335-1031 WRENCH,
Pipe, 12 in.
(55719) PW12C
EA 1

5120-01-335-1033 WRENCH,
Pipe, 18 in.
(55719) PW18C
EA 1

125 5120-01-334-9858 WRENCH,
Strap, 1-in. to 5-in. pipe
(55719) YA826A
EA 1

6685-01-526-3457 TRANSMITTER,
Pressure, 0-100 PSIG, PT-201
(1CE49) PTX 317-8938
EA 1

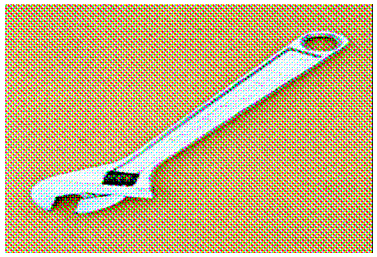
4440-01-475-9949 VAPOR CAPSULE
(08TA7) VC2-1
EA 4

4220-01-527-0078 VEST,
Floatation (1B1X2) 250181
EA 1

6630-01-477-2395 WATER QUALITY ANALYSIS SET, Purification
(04NB0) IITC-WQAS/P-401
EA 1

6145-01-527-0081 WIRE, Grounding
(39428) 7512K611
EA 1

5120-00-449-8083 WRENCH, Adjustable, 10 in.
(96508) D710
EA 1



5120-00-240-5328 WRENCH,
Adjustable, 8 in.
(80063) TL476U
EA 1

5120-01-486-5722 WRENCH,
Air Compressor Purification Chamber
(57328) WRH-0005
EA 1

WRENCH, Flat Rack Bail Bar

(0U5N7) 33901601

EA 1

5120-00-430-8889 WRENCH,
Torque, with case (0-250 in.-lb.)
(02JD2) 4YR01
EA 1

Heather Thermostat

8415-00-234-9253 Apron,
Laboratory
(80063) MC111
EA

STRAP, Ratchet, 1 in x 10 ft
(3C2D2) R2710SH
EA 10

Heather Exhaust

UNIT SERIAL #_____. LOCATION _____. WATER SOURCE _____.

DATE	TIME	OP TIME HRS	FEED TDS MG/L	MF FLOW GPM	MF TMP PSI	RO FEED FLOW GPM	RO FEED PRESS PSIG	REJ FLOW GPM	% SALT REJECT	PROD FLOW GPM	PROD TDS MG/L	TOTAL PROD GAL	FEED TEMP °F	COMMENTS

Note: Feed TDS is as measured with hand held TDS meter. Adjust Feed TDS Set switch to measured value before completing data.

RO ELEMENT PERFORMANCE LOG

Unit Serial #: _____

Test date: _____ Operating Hour Meter Reading: _____

Product flow: _____ Product TDS: _____ Source water TDS: _____

Source water Temp: _____ Source water location: _____

Element #	Product TDS	Product Flow	Element #	Product TDS	Product Flow
1					
			2		
			3		
4					
5					
			6		
			7		
8					
9					
			10		