

**PORTABLE EXOTHERMIC  
CUTTING UNIT (PECU)  
KIT**

**AEL Range: 2-880044274 to 4275**

A laminated inventory list should be provided with this kit.

# PORTABLE EXOTHERMIC CUTTING UNIT (PECU) KIT

Quantity  
Required

KIT - PORTABLE EXOTHERMIC  
CUTTING UNIT (PECU)-DC

NSN 4240-01-272-3841

The PECU will replace existing portable oxyacetylene cutting units on a one for one basis. The PECU will provide for more rapid access into areas of the ship where normal access is impaired for fire fighting operations, and to drain accumulated firefighting water from areas of the ship where the effects of the accumulated firefighting water will impair the ship's stability. The PECU utilizes expendable cutting rods which operate on the exothermic torch principle. This principle involves the use of oxygen which is combined with a fuel. In this case the fuel is a steel tube. The exothermic cutting rod is ignited when the oxygen passing through the iron rod comes in contact with a spark generated from a 12 volt DC battery powered igniter. This kit identifies all equipment used for the function of cutting through ferrous and non-ferrous wiring and other shipboard materials, particularly aircraft carrier flight decks. Individual items are listed on AEL #2-880044274 and in alphabetical order in this guide under the prefix "PECU".

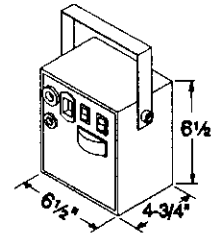
Helpful Hints:

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PECU - BATTERY - PKG WITH CHARGER

1H 0000-LL-CQA-2491

WT. 10.0 lbs. VOL. 200.7 in<sup>3</sup>



1

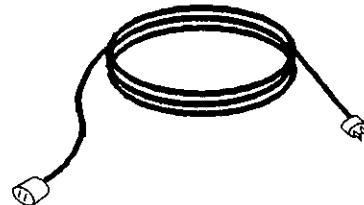
Helpful Hints:

Actual Inventory:

PECU - CABLE - BATTERY CHARGER

NSN 6150-01-323-2144

WT. 1.0 lbs. VOL. 196.0 in<sup>3</sup>



1

Helpful Hints:

Actual Inventory:

# PORTABLE EXOTHERMIC CUTTING UNIT (PECU) KIT

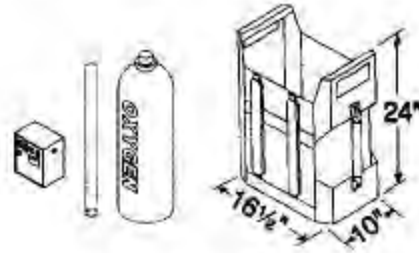
Quantity  
Required

## PECU-CARRY CASE - ALUMINUM

1H 0000-LL-CQA-2488

WT. 12.0 lbs. VOL. 4,000.0 in<sup>3</sup>

Helpful Hints:



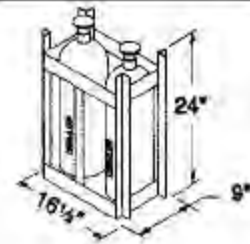
Actual Inventory:

## PECU-CARRY CASE - AUX CYL

1H 0000-LL-CQA-2490

WT. 9.0 lbs. VOL. 3,564.0 in<sup>3</sup>

Helpful Hints:



Actual Inventory:

## PECU-CARRY HARNESS - BACKPACK

1H 0000-LL-CQA-2489

WT. 3.0 lbs. VOL. 60.0 in<sup>3</sup>

Helpful Hints: Stowed with spare parts.



Actual Inventory:

**DELETE**

# PORTABLE EXOTHERMIC CUTTING UNIT (PECU) KIT

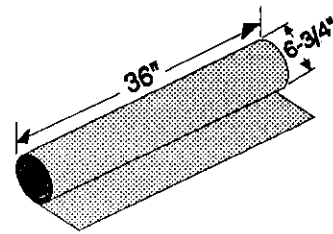
Quantity  
Required

CLOTH - SILICA WELDER'S - 1/8" THICK

NSN 8305-01-035-1058

WT. 6.0 lbs

VOL. 1,640.0 in<sup>3</sup>



3

Helpful Hints: Stowed with spare parts.

Actual Inventory:

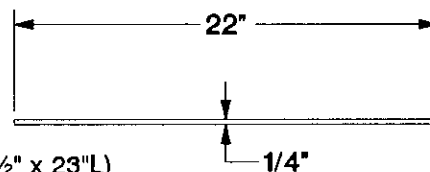
PECU-ELECTRODE CUTTING ROD -  
1/4" x 22"

NSN 3449-01-325-7641

WT. 7.0 lbs.

VOL. 143.8 in<sup>3</sup>

(Shipping box 2 1/2" x 1 1/2" x 23"L)



25  
in  
each  
box

Helpful Hints: Box of 25. Only 1 box of 25 required.

Actual Inventory:

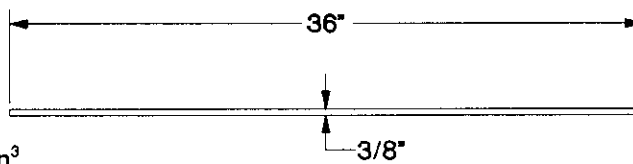
PECU-ELECTRODE CUTTING ROD -  
3/8" x 36"

NSN 3449-01-325-7642

WT. 34.0 lbs.

VOL. 243.8 in<sup>3</sup>

(Shipping box 2 1/2" x 2 1/2" x 39"L)



25  
in  
each  
box

Helpful Hints: Box of 25. Only 1 box of 25 required.

Actual Inventory:

# PORTABLE EXOTHERMIC CUTTING UNIT (PECU) KIT

Quantity  
Required

## PECU-GLOVES - WELDERS

1H 000-LL-CQA-2493 (SELECT SIZE)  
NSN 8415-00-268-7860 SIZE MED  
NSN 8415-00-268-7859 SIZE LRG

WT. 1.5 lbs

VOL. 74.2 in<sup>3</sup>



1  
pair

Helpful Hints:

Actual Inventory:

## PECU-GOGGLES - INDUSTRIAL

NSN 4240-00-203-3804

WT. 4.0 oz

VOL. 45.0 in<sup>3</sup>



1

Helpful Hints:

**DELETE**

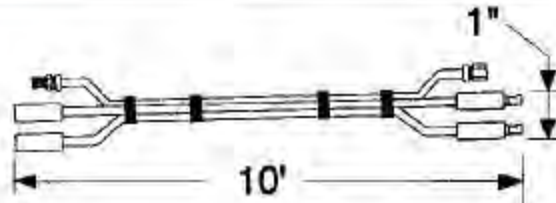
Actual Inventory:

## PECU-HOSE-EXTENSION - CABLE/OXYGEN

1H 0000-LL-CQA-2492

WT. 6.0 lbs.

VOL. 120.0 in<sup>3</sup>



1

Helpful Hints:

Actual Inventory:

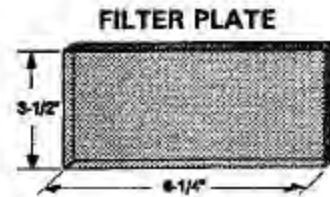
# PORTABLE EXOTHERMIC CUTTING UNIT (PECU) KIT

Quantity  
Required

**PECU-CLIP ON WELDER ADAPTER**

**NSN: 4240-01-250-8263**

**WT. 0.1 lbs.                      VOL. 1.1 in<sup>3</sup>**



1

Helpful Hints: Fits OBA face piece. Adapter NSN 4240-01-250-8263 used Rayfoe filter plate, shade 6 NSN 4240-01-248-8021 and Lens NSN 4240-00-276-8941.

Actual Inventory:

**PECU-MANUAL - OPERATORS**

**1H 0000-LL-CQA-2500**

**WT. 1.5 lbs.                      VOL. 46.8 in<sup>3</sup>**



1

Helpful Hints: Stow with spare parts.

DELETE

Actual Inventory:

**PECU-CYLINDER - OXY 48 CUFT**

**NSN 6830-01-333-3151 (FULL BOTTLE)**  
**NSN 6830-01-333-3152 (REFILL GAS)**  
**NSN 8120-01-326-6750 (EMPTY BOTTLE)**

**WT. 30.0 lbs.                      VOL. 538.0 in<sup>3</sup>**



144  
CU  
ft

Helpful Hints: Three bottles are required in DCRS. (Two spares, one for immediate use.)

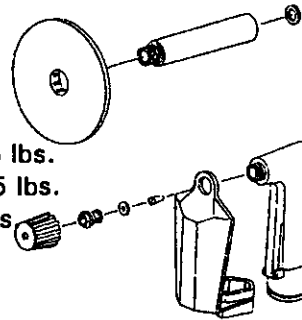
Actual Inventory:

# PORTABLE EXOTHERMIC CUTTING UNIT (PECU) KIT

Quantity  
Required

## PECU-PIERCING TORCH ASSEMBLY

NSN 4240-01-323-1258 HAND SHIELD, WT 0.4 lbs.  
NSN 3433-01-321-3342 3/8" COLLET CHUCK, WT 0.5 lbs.  
NSN 3460-01-321-9161 3/8" NUT ASSEMBLY, WT 0.5 lbs.  
NSN 4933-01-325-6683 PIERCING EXT SHIELD, 0.8 lbs.  
NSN 3433-01-321-4195 PIERCING EXT, WT 2.0 lbs.



1

WT. 4.2 lbs. VOL. 51.0 in<sup>3</sup>

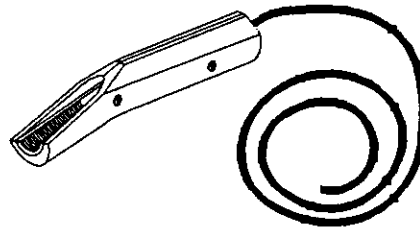
### Helpful Hints:

Actual Inventory:

## PECU-STRIKER-AY - WITH CABLE

1H 0000-LL-CQA-2486

WT. 4.0 lbs. VOL. 27.0 in<sup>3</sup>



1

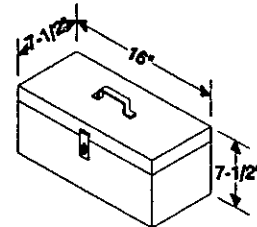
### Helpful Hints:

Actual Inventory:

## PECU-SPARE PARTS PACKAGE

1H 0000-LL-CQA-PECU

WT. 13.0 lbs. VOL. 900.0 in<sup>3</sup>



None

### Helpful Hints:

Actual Inventory: