



UNITED STATES MARINE CORPS

COMBAT ENGINEER INSTRUCTION COMPANY
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IN REPLY REFER TO:

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9 FEB 04

From: Construction Shop, Subject Matter Expert, Combat Engineer Instruction Company, Marine Corps Engineer School

To: Academics Chief, Combat Engineer Instruction Company, Marine Corps Engineer School

Subj: REVIEW OF FINDINGS FOR THE FAMILY OF ENGINEER KITS

Ref: (a) ltr dated 30 Oct 03

Encl: (1) Current Discrepancy List
(2) Proposed Revised Components List

1. In accordance with the reference, the following discrepancies are noted and the following inventory changes are submitted for approval:

a. Carpenter's Platoon Power Tool Kit:

1. *Better quality safety glasses, not the old plastic strap on safety goggles. The plastic goggles fog up, scratch and effect vision. Marines will generally not use these even when available.*

Recommendation: Replace all current safety goggles with Condor brand, the View model, stock # 1VT80

2. *One extra 18v battery per tool to have a back up battery to keep one on the charger and one in use to maintain production.*

Recommendation: Add necessary batteries to the kit, model # DW9096

3. *One 50' and one 25' extension cord for voltage purposes and on jobs where the 100' cord is not necessary. The extra length not in use could increase the tripping hazard.*

Recommendation: Add one 50' Carol brand extension cord, stock # 03685 and one 25' Carol brand extension cord, stock # 00791

4. *The generator can only handle one power tool at a time. Looking for a size that will fit our needs right now. Approximate size is still being evaluated.*

Recommendation: First, the current generator is not designed for use with the power tools in any of the kits; it is designed for charging the cordless tools batteries. As for a power source generator to

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operate our corded tools recommended generator is the 5000W Dayton generator, model# 5U936.

5. Adapter to charge batteries of a vehicle for times when the generator is down or being serviced.

Recommendation: Add a 12.0-volt vehicle charger to the kit. Model # DW9109

b. Table Saw Router Tool

1. Better quality safety glasses (same as above)

Recommendation: Replace all current safety goggles with Condor brand, the View model, stock # 1VT80

2. The 4-in-1 screwdrivers should be four separate drivers. The small attachments with this driver are very easily lost.

Recommendation: Replace the current drivers with the 5 piece Klein tool screwdriver set Model # 85090

3. One 50' and one 25' extension cord (same as above).

Recommendation: Add one 50' Carol brand extension cord, stock # 03685 and one 25' Carol brand extension cord, stock #00791

c. Pneumatic Nailer Compressor Kit

1. Adapters need to be 1/2" not 3/8" because the air hose and the gun's are 1/2" in size.

Recommendation: Locally procure all 3/8" fittings for all hoses and nailers.

2. Need more air hose to be able to reach out to farther distances.

Recommendation: Add 2- 3/8" x 50', 250PSI, hoses to the kit stock # 4Z899.

3. Need a larger air compressor.

Recommendation: Replace current air compressor with a Dewalt, 8HP, gas engine compressor, stock #D55271.

d. Pioneer General Labor Tool Kit

a. *Need more tape measures, 4-30' and 4-25', also better quality. Many Marines employ tape measures simultaneously on job sites. These are insufficient for most jobs. The Marine Corps would save money investing in higher quality tape measures. The ones in the kit will break easily and require regular replacement.*

Recommendation: Replace all current tape measures in all kits with the Stanley Fat Max series, both 35' and 25', model #'s 33-725 (25') and 33-735 (35').

b. *Need more curved clawed hammers, 4-16oz and 4-24oz. These are one of the most used tools in the kit.*

Recommendation: Add 15, 22oz Stanley Anti-Vibe, checkered face framing hammers stock# 51-947. Add 15, 28oz Stanley Anti-Vibe checkered face framing hammer stock # 51-948.

c. *Plastic or fiberglass handles on every handled item. The fiberglass being a much stronger handle will need less replacement and be more reliable.*

Recommendation: Currently, all handled tools in this kit are fiberglass.

d. *Better quality safety glasses (same as above).*

Recommendation: Replace all current safety goggles with Condor brand, the view model, stock # 1VT80

e. Carpenters Squad Hand Tool Kit

1. *Need more curved carpenters hammers and framing hammers(Same as above)*

Recommendation: Add 10, 22oz Stanley Anti-Vibe, checkered face framing hammers stock #51-947, Add 10 28oz Stanley Anti-Vibe, checkered face framing hammers stock # 51-948

2. *Need more tape measures, four of 30' and 25', and two 50' and 100' tape reels.*

Recommendation: Replace all current tape measures in all kits with the Stanley Fat Max series, both 35' and 25', model #'s 33-725 (25') and 33-735 (35'). In this kit, add 10 of each. Replace all current steel tapes with the 300' Lufkin reel type tape, stock # 1709. In this kit, add 5.

3. *Two more line levels. Items often used simultaneously requiring employment of 2 or 3 at a time.*

Recommendation: Add five Johnson line levels, stock # 555

4. Better quality safety glasses (same as above)

Recommendation: Replace all current safety glasses with Condor brand, the view model, stock # 1VT80

5. The tool belts do not need the Velcro strap on them, they will wear out quickly, it will need to be a buckle.

Recommendation: Replace all current tool belts with the Cordura Carpenter's combo apron Stock # 3PY66, 10 for this kit.

6. *This kit needs two combination squares added to it.*

Recommendation: Add 3 Starrett combination squares, model # C33H-12-4R

f. Multi-Saw Drill Tool Kit

1. *Need 2-50' and 1-25' extension cords (same as above).*

Recommendation: Add 2-50' Carol brand extension cords stock # 03685 and 2-25' Carol brand extension cords stock # 00791

2. *Adapter for vehicles to charge batteries (same as above).*

Recommendation: Add one 12.0-volt vehicle charger to the kit, model # DW9109

3. *Extra battery for every 18v tool in kit (same as above).*

Recommendation: Add necessary batteries to the kit, model # DW9096

4. Add one more drill to kit, this could be cordless or electric to improve production.

Recommendation: Add one 18-volt Dewalt cordless hammer drill model # DW988K-2

5. *Better quality safety glasses (same as above).*

Recommendation: Replace all current safety goggles with Condor brand, the view model, stock # 1VT80

g. Masons and Concrete Finishers Tool Kit

1. *Two more line levels (same as above).*

Recommendation: Add two Johnson line levels, stock # 555

2. *Big scrub brush to clean to clean tools with.*

Recommendation: Add five Weiler wire brushes model # 44054

3. *Knee pads need to be better quality, the current pads will not hold up to the rigors of a normal project.*

Recommendation: Replace all current knee pads with the CLC Foam professional series, model # 345

4. *Need to have a concrete mixer, so many projects we do are smaller in nature and do not need to have contracted concrete come in. This would also give us more flexibility on many projects.*

Recommendation: Add one Muller concrete mixer model # C-135G

5. *Concrete boots need to be added, Marines issue boots will get ruined on projects if not provided proper equipment.*

Recommendation: Add 15 pairs of Lacrosse 17" Supertuff pullover boots MFR model # 2400-9085 assorted sizes

6. *Better quality safety glasses (same as above).*

Recommendation: Replace all current safety goggles with Condor brand, the View model 1VT80

7. *Larger boxes, need to have better handles on them and better hasps. Hasps and handles should be replaceable if broken.*

Recommendation: Replace every plastic box with JOBOX model # 689990

h. Pioneer Light Duty Tool Kit

1. *Better quality safety glasses (same as above).*

Recommendation: Replace all current safety goggles with Condor brand, the View model #1VT80

2. *Tape measures (same as above)*

Recommendation: Replace all current tape measures in all kits with the Stanley Fat Max series, both 35' and 25', model #'s 33-725 (25') and 33-735 (35'). In this kit, add 10 of each. Replace all current steel tapes with the 300' Lufkin reel type tape, stock # 1709. In this kit, add 5.

3. *Need to have at least two chainsaws added to this kit.*

Recommendation: Add two Husqvarna 20" chainsaws model # 372XP

2. Point of contact is GySgt Fried at ext. 7120/28

C. J. FRIED