Alcoa Fastening Systems

ALCOA

INSTRUCTION MANUAL

HUCKSPIN

POWER SUPPLY 125727



Makers of Huck®, Marson®, Recoil®
Brand Fasteners, Tools & Accessories

Form HK 1000
04-20-2004

HUCK®

EU

Certification in Process

SAFETY

This instruction manual must be read with particular attention to the following safety guide lines, by any person servicing or operating this tool.

1. Safety Glossary

 — Product complies with requirements set forth by the relevant European directives.

 — Read manual prior to using equipment.

 — Eye protection required while using this equipment.

 — Hearing protection required while using this equipment.



WARNINGS - Must be understood to avoid severe personal injury.

CAUTIONS - *show conditions that will damage equipment and or structure.*
Notes - are reminders of required procedures.
Bold, Italic type and underlining - emphasizes a specific instruction.

2. Huck equipment must be maintained in a safe working condition at all times and inspected on a regular basis for damage or wear. Any repair should be done by a qualified repairman trained on Huck procedures.

3. Repairman and Operator must read manual prior to using equipment and understand any Warning and Caution stickers/labels supplied with equipment before connecting equipment to any primary power supply. As applicable, each of the sections in this manual have specific safety and other information.

4. See MSDS Specifications before servicing the tool. MSDS Specifications are available from you Huck representative or on-line at www.huck.com. Click on Installation Systems Division.

5. When repairing or operating Huck installation equipment, always wear approved eye protection. Where applicable, refer to ANSI Z87.1 - 1989

6. Disconnect primary power source before doing maintenance on Huck equipment.

7. If any equipment shows signs of damage, wear, or leakage, do not connect it to the primary power supply.

8. Make sure proper power source is used at all times.

9. Never remove any safety guards or pintail deflector.

10. Never install a fastener in free air. Personal injury from fastener ejecting may occur.

11. When using an offset nose always clear spent pintail out of nose assembly before installing the next fastener.

12. If there is a pinch point between trigger and work piece use remote trigger. (Remote triggers are available for all tooling).

13. Do not abuse tool by dropping or using it as a hammer. Never use hydraulic or air lines as a handle. Reasonable care of installation tools by operators is an important factor in maintaining tool efficiency, eliminating downtime, and in preventing an accident which may cause severe personal injury.

14. Never place hands between nose assembly and work piece.

15. Tools with ejector rods should never be cycled with out nose assembly installed.

16. When two piece lock bolts are being used always make sure the collar orientation is correct. See fastener data sheet of correct positioning.

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PUTTING INTO SERVICE & TROUBLESHOOTING

Putting Into Service

(For reference see Fig. 1)

1) Mount the power supply in a clean safe area within 8ft of the Powerig®.

2) Plug male connector (5) into Powerig®.

3) Connect one end of the control cord to the receptacle (7) on the power supply. Connect the other end of the control cord to the manifold of the single tool controller.

4) Plug power cord (4) into a switched 120VAC receptacle (Power supply can be hard wired into service panel).

5) Power supply is now ready for use.

Troubleshooting

(For reference see Fig. 2)

Always check out the simplest possible cause of a malfunction first. For example, an electrical plug not connected. Then proceed logically, eliminating each possible cause until the cause is located. Where possible, substitute known good parts for suspected bad parts. Use this TROUBLESHOOTING section as an aid in locating and correcting the malfunction.

1) *120VAC is not present at power supply:*
   a. Check 120VAC receptacle for voltage.
   b. Check continuity of power cord, replace if necessary.

2) *24VDC is not present at power supply:*
   a. If 120VAC is present at power supply, but 24VDC is not, then the power supply is defective and will need to be replaced.

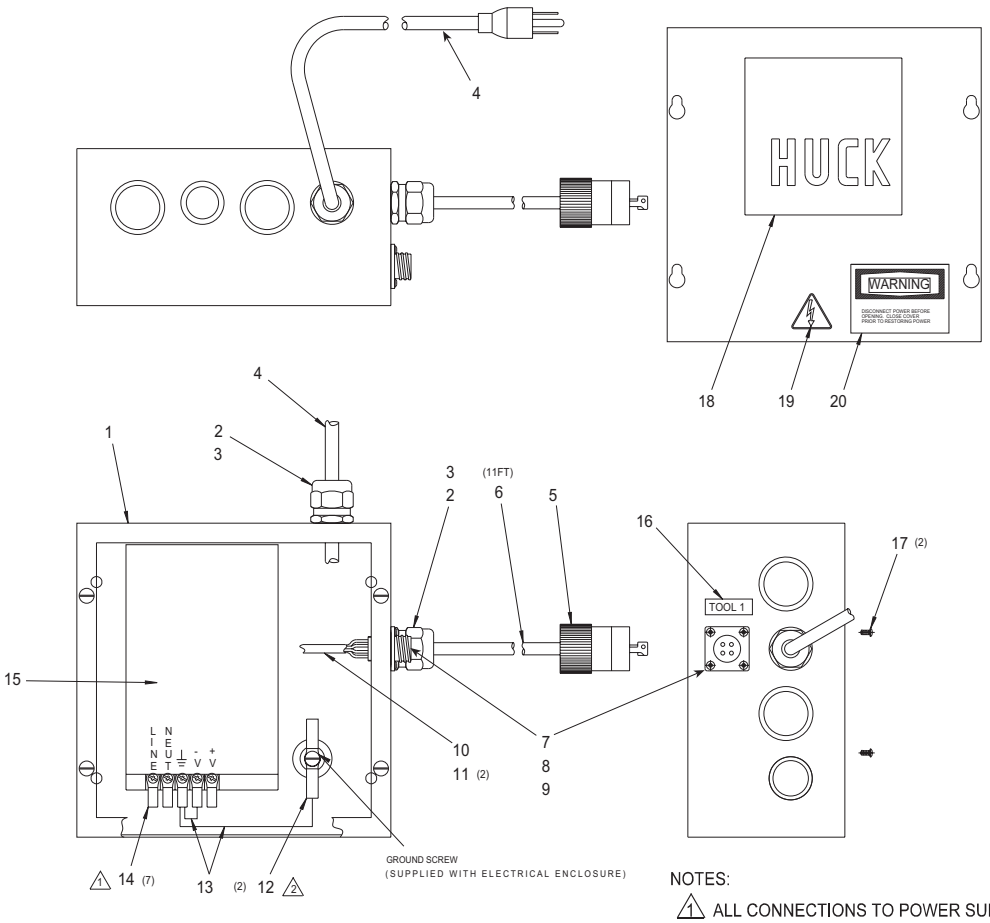
3) *24VDC is present at power supply, but not present at manifold:*
   a. Check the red & green wires inside of the power supply box for continuity, replace if necessary.
   b. Check continuity of control cord, replace if necessary.

4) *Rig does not energize.*
   a. Check that the male connector is plugged into the proper receptacle on the powerig®.
   b. Check wires between control receptacle and male connector for continuity.
   c. Problem could be in the controller, please refer to controller manual.

SERVICE NOTES

Assembly drawing & parts list

FIG. 1



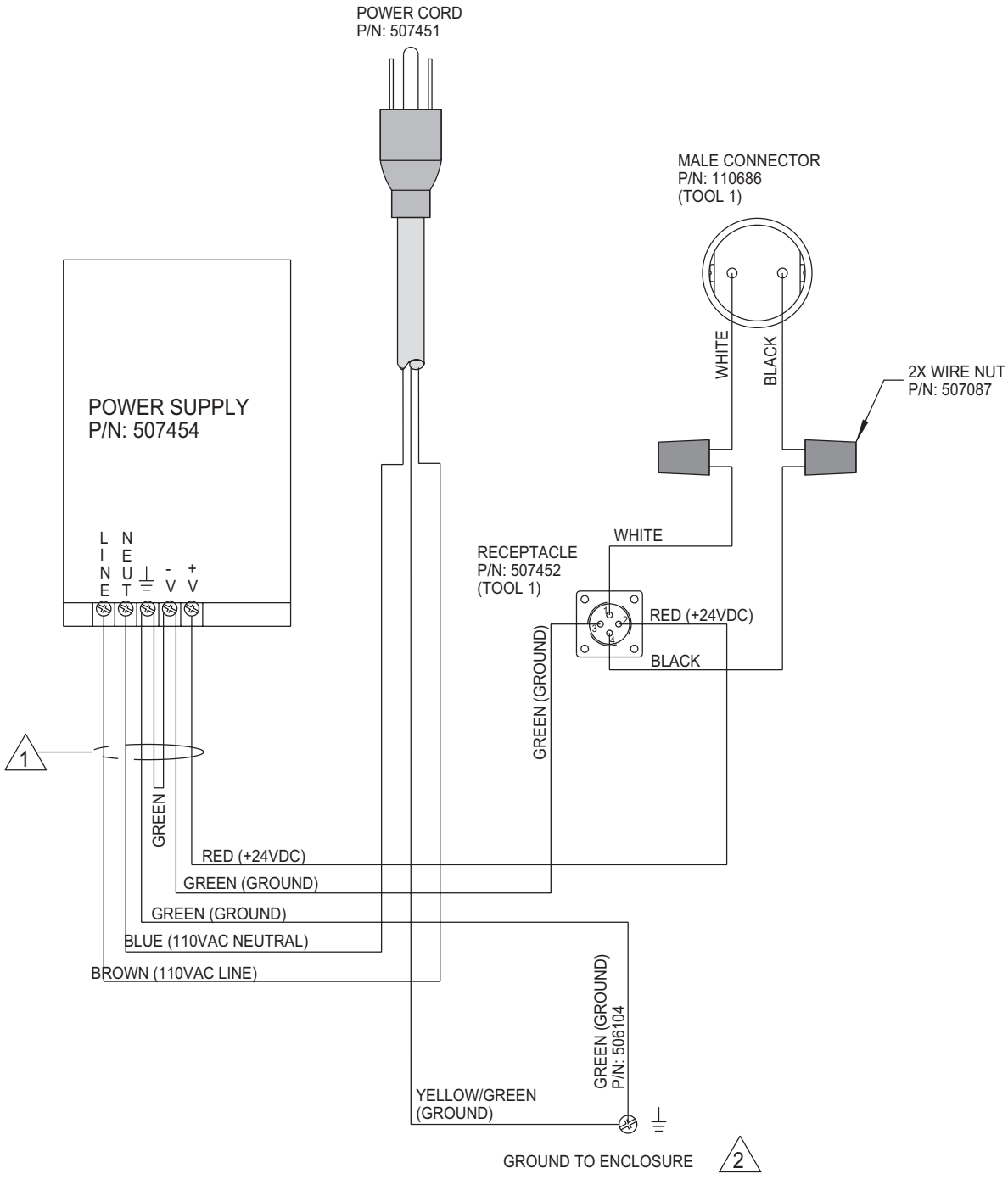
NOTES:

1. ALL CONNECTIONS TO POWER SUPPLY (507454) TO USE RING TERMINAL (505743). ONE TERMINAL
2. ALL CONNECTIONS TO GROUND SCREW ON ENCLOSURE TO USE RING TERMINAL

ITEM	PART #	DESCRIPTION	QTY
1	125414	ENCLOSURE, ELECT. POWER SUPPLY	1
2	505299	STRAIN RELIEF	2
3	502366	LOCKNUT, 1/2"	2
4	507451	POWER CORD 18/3	1
5	110686	CONNECTOR, MALE	1
6	503060	CABLE, 18/2	11FT
7	507452	RECEPTACLE, REV. SQ. FLANGE	1
8	507453	CONTACT, SOCKET	4
9	502464	S.H.C.S. #4-40 X 1/4	4
10	507438	CABLE, #20AWG/4	3FT
11	507087	WIRENUT	2
12	505746	RING TERMINAL, #10	2
13	506104	WIRE, GREEN #22AWG	1FT
14	505743	RING TERMINAL, #6	7
15	507454	POWER SUPPLY, 24VDC/2.5A	1
16	590135	LABEL, "TOOL 1"	1
17	507456	SCREW, SLOTTED PAN HEAD M3 X 6	2
18	590067	LABEL, "HUCK"	1
19	590323	LABEL, ELECTRIC SHOCK	1
20	590299	LABEL, "DISCONNECT POWER...."	1

WIRING SCHEMATIC & SPECIFICATIONS

FIG. 2



Input 100 - 240 VAC @ 2A 50/60Hz
Output +24 @ 2.5A

Service Notes

LIMITED WARRANTIES

Tooling Warranty: Huck warrants that tooling and other items (excluding fasteners, and hereinafter referred as "other items") manufactured by Huck shall be free from defects in workmanship and materials for a period of ninety (90) days from the date of original purchase.

Warranty on "non standard or custom manufactured products": With regard to non-standard products or custom manufactured products to customer's specifications, Huck warrants for a period of ninety (90) days from the date of purchase that such products shall meet Buyer's specifications, be free of defects in workmanship and materials. Such warranty shall not be effective with respect to non-standard or custom products manufactured using buyer-supplied molds, material, tooling and fixtures that are not in good condition or repair and suitable for their intended purpose.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. HUCK MAKES NO OTHER WARRANTIES AND EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES AS TO MERCHANTABILITY OR AS TO THE FITNESS OF THE TOOLING, OTHER ITEMS, NONSTANDARD OR CUSTOM MANUFACTURED PRODUCTS FOR ANY PARTICULAR PURPOSE AND HUCK SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF SUCH TOOLING, OTHER ITEMS, NONSTANDARD OR CUSTOM MANUFACTURED PRODUCTS OR BREACH OF WARRANTY OR FOR ANY CLAIM FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Huck's sole liability and Buyer's exclusive remedy for any breach of warranty shall be limited, at Huck's option, to replacement or repair, at FOB Huck's plant, of Huck manufactured tooling, other items, nonstandard or custom products found to be defective in specifications, workmanship and materials not otherwise the direct or indirect cause of Buyer supplied molds, material, tooling or fixtures. Buyer shall give Huck written notice of claims for defects within the ninety (90) day warranty period for tooling, other items, nonstandard or custom products described above and Huck shall inspect products for which such claim is made.

Tooling, Part(s) and Other Items not manufactured by Huck.

HUCK MAKES NO WARRANTY WITH RESPECT TO THE TOOLING, PART(S) OR OTHER ITEMS MANUFACTURED BY THIRD PARTIES. HUCK EXPRESSLY DISCLAIMS ANY WARRANTY EXPRESSED OR IMPLIED, AS TO THE CONDITION, DESIGN, OPERATION, MERCHANTABILITY OR FITNESS FOR USE OF ANY TOOL, PART(S), OR OTHER ITEMS THEREOF NOT MANUFACTURED BY HUCK. HUCK SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF SUCH TOOLING, PART(S) OR OTHER ITEMS OR BREACH OF WARRANTY OR FOR ANY CLAIM FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The only warranties made with respect to such tool, part(s) or other items thereof are those made by the manufacturer thereof and Huck agrees to cooperate with Buyer in enforcing such warranties when such action is necessary.

Huck shall not be liable for any loss or damage resulting from delays or nonfulfillment of orders owing to strikes, fires, accidents, transportation companies or for any reason or reasons beyond the control of the Huck or its suppliers.

Huck Installation Equipment

Huck International, Inc. reserves the right to make changes in specifications and design and to discontinue models without notice.

Huck Installation Equipment should be serviced by trained service technicians only.

Always give the Serial Number of the equipment when corresponding or ordering service parts.

Complete repair facilities are maintained by Huck International, Inc. Please contact one of the offices listed below.

Eastern
One Corporate Drive Kingston, New York 12401-0250
Telephone (845) 331-7300 FAX (845) 334-7333

Canada
6150 Kennedy Road Unit 10, Mississauga, Ontario, L5T2J4, Canada.
Telephone (905) 564-4825 FAX (905) 564-1963

Outside USA and Canada
Contact your nearest Huck International Office, see back cover.

In addition to the above repair facilities, there are Authorized Tool Service Centers (ATSC's) located throughout the United States. These service centers offer repair services, spare parts, Service Parts Kits, Service Tools Kits and Nose Assemblies. Please contact your Huck Representative or the nearest Huck office listed on the back cover for the ATSC in your area.

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A Global Organization

Alcoa Fastening Systems (AFS) maintains company offices throughout the United States and Canada, with subsidiary offices in many other countries. Authorized AFS distributors are also located in many of the world's industrial and Aerspace centers, where they provide a ready source of AFS fasteners, installation tools, tool parts, and application assistance.

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CERTIFIED FACILITY
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