



Spartanics[®]

Model-83 Punch Press

Installation, Operation, & Maintenance Manual

With Illustrated Parts List

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Spartanics

Model 83

Manual

The information furnished herein is believed to be accurate and reliable. However, no responsibility is assumed by Spartanics for damages incurred directly or indirectly from errors, omissions or discrepancies between the product and this manual.

In order to show equipment detail, this manual may show equipment with guards or covers removed. In normal use, equipment must never be operated with guards or covers removed or modified, and safety mechanisms must never be defeated!

Spartanics Ltd. reserves the right to change specifications at any time without notice.

WARNING!

**ALWAYS MANUALLY CONFIRM PROPER
TOOLING ALIGNMENT IN SET-UP MODE
BEFORE CYCLING PUNCH PRESS!**

**TOOLING ALIGNMENT MAY BE AFFECTED
BY SHIPPING AND HANDLING.**

**SEE MAINTENANCE MANUAL
SECTION 8.11.4**

NOTE!

**CONFIRM PROPER ROTATIONAL
DIRECTION OF FLYWHEEL BEFORE
CYCLING PRESS!**

IMPORTANT!

YOU MUST READ THIS SAFETY NOTICE

The test box shown below is an optional feature that is used to troubleshoot certain problems with the press. There is an unmodified and modified version of this test box. A modified test box has an "M" marked next to its serial number as shown below.

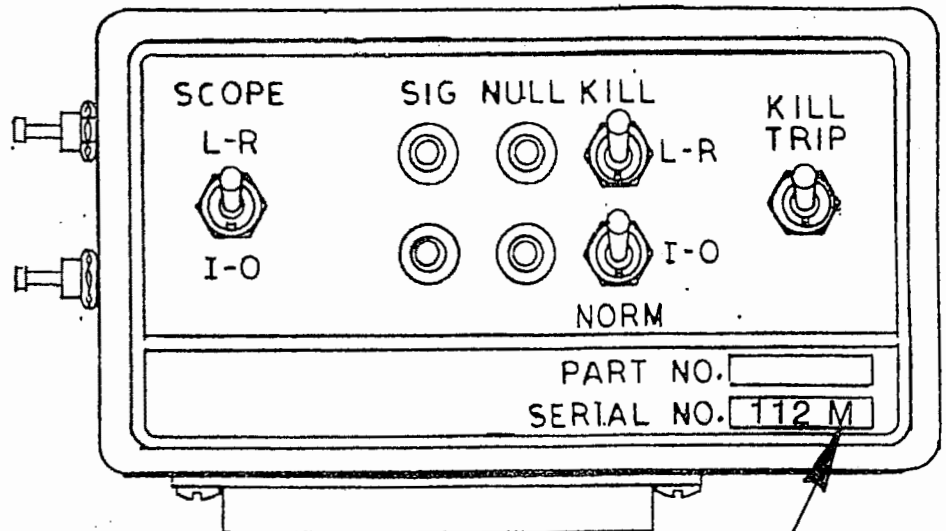
YOU MUST USE A MODIFIED TEST BOX TO TROUBLESHOOT A PRESS IF THE PRESS HAS A SERIAL NUMBER OF 184 OR HIGHER. YOU MAY BE INJURED OR THE PRESS MAY BE DAMAGED IF YOU DO NOT FOLLOW THIS RULE.

Using an unmodified test box on a press with a serial number of 184 or higher may cause the press to fire unexpectedly.

The serial number on press is located on the nameplate on the front of the press.

You may use either a modified or unmodified test box to to troubleshoot a press if the press has a serial number of 183 or lower.

Unmodified test boxes will be modified at Spartanics at no charge.



"M" SHOWS THAT TEST BOX HAS BEEN MODIFIED



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FAX MESSAGE

We do not currently have an updated manual for the CE version of our model 83 punch press .

The majority of the information in this manual is correct except in the troubleshooting sections when it states where to do volt and ohm checks at the motor starter panel terminal strips. If you have a CE press you should refer to the 83-7001CE schematic in the back of this manual for that information.

The main difference between our non-CE [brown] press and our CE [gray] press is the wiring to the motor starter panel has been changed.

Please feel free to contact the Spartanics service department with any questions you may have. 847-394-5700

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PREFACE

Spartanics' Technical Publications Department appreciates your comments and suggestions. If you have any comments, suggestions, or questions about this manual, please feel free to contact Spartanics. We will do our best to help you out. Our address and telephone number are listed on the title page of this manual. There is also a technical manual change form on the last page of this manual that you can fill out and send in if you have any comments or suggestions about this manual.

SAFETY TIPS

Safety means thinking about what you are doing and thinking about what can happen. The Spartanics Model-83 Punch Press looks harmless and, for the most part, it is. But there are a few basic safety tips that you must think about and follow when operating and maintaining the Model-83 Punch Press. They are as follows:

1. READ THE OPERATING INSTRUCTIONS IN THIS MANUAL BEFORE TRYING TO OPERATE THE PUNCH PRESS.

This is by far the most important safety tip to follow because, without this manual, you just simply do not know what to watch out for when operating the Model-83 Punch Press. It is the responsibility of the user management to relay the information in this manual to operators who do not read or speak English.

2. MAKE SURE THAT THE PUNCH PRESS IS PROPERLY GROUNDED.

The Model-83 Punch Press must be properly grounded in order to avoid potentially dangerous shock hazards.

3. NEVER OPERATE THE PUNCH PRESS WITH ANY OF ITS SAFETY GUARDS REMOVED.

4. NEVER WORK ON THE PUNCH PRESS WHEN YOU ARE ALONE. ALWAYS MAKE SURE THAT SOMEONE IS AROUND TO HELP YOU IN CASE YOU GET HURT.

5. NEVER OPERATE THE PUNCH PRESS IN AN EXPLOSIVE ATMOSPHERE.

6. NEVER OPERATE THE PUNCH PRESS IN A WET OR MOIST ENVIRONMENT.

7. NEVER REMOVE ANY SERVICE PANELS, ELECTRICAL BOXES, OR SAFETY GUARDS OR PERFORM ANY MAINTENANCE PROCEDURES ON THE PUNCH PRESS WITHOUT BEING SPECIFICALLY TOLD TO DO SO IN THIS MANUAL.

(continued on the next page)

Safety Tips (cont.)

The basic safety concerns listed above and in other parts of this manual are specific safety concerns for the Spartanics Model-83 Punch Press. The user management must also comply fully with the basic safety practices for punch presses as detailed in the "Occupational Safety and Health Act of 1970". The parts of this act that pertain to mechanical power presses are detailed in the two following documents:

O.S.H.A. Public Act 91-596

This is available from the-

Superintendent of Documents
U.S. Government Printing Office
Washington D.C. 20402

A.N.S.I. B11.1 1982 "Safety Requirement for the Construction, Care, and Use of Mechanical Power Presses".

This is available from the-

American National Standards Institute
1430 Broadway
New York, New York 10018

Additional safety and training aids are available from the National Safety Council, local safety councils, trade associations, insurance carriers, the U.S. Department of Labor, and the National Machine Tool Builders' Association.

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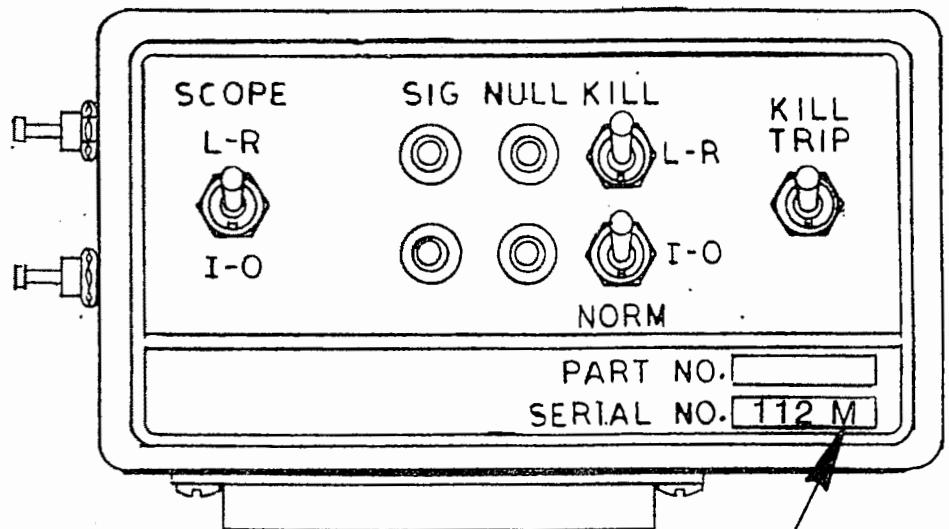
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