POWERNAIL® CO.

Operation and Maintenance Manual

MODEL 45 TONGUE AND GROOVE NAILER

Read this manual before you use this Nailer. Follow all safety warnings and instructions. If you are uncertain about the operation of the Nailer, call us directly at 1-800-323-1653 for assistance or contact the closest Powernail Dealer for help. Please retain this information for future reference.

REV 2024.04.25

INDEX

Index..... 2
Warranty..... 2 & 8
Powernail Company Info..... 2
Safety Instructions..... 3
Operating the tool..... 3
Schematic..... 4
Parts List..... 5
Drive Blade Replacement..... 6
Fastener Depth Chart..... 6
Notes and Records..... 7
Web Site..... 8
Featured Products..... 8

LIMITED WARRANTY

POWERNAIL® Company, Inc. warrants to its customer, and to the first end-use purchaser of POWERNAIL MODEL 45 from an authorized POWERNAIL distributor, that each serialized manufactured MODEL 45 by POWERNAIL®, for a period of 12 months from the date of purchase. MODEL 45 shall be free of defects in materials and workmanship and will meet POWERNAIL's specifications in effect at the time of product shipment. POWERNAIL will repair or replace, at its option, any Powernailer® that does not conform to this warranty. Claims must be made no later than fifteen (15) days after the end of the warranty period. POWERNAIL will perform all repair or replacements itself or through its authorized contractors. POWERNAIL is not responsible for shipping, labor or other direct or indirect costs. Damage caused by abuse, misuse, unusual or excessive wear is excluded. Repair or modification of the Products by unauthorized parties will void this warranty. The customer is responsible for returning Products to POWERNAIL for verification of nonconformance. Warranties for Products not manufactured by POWERNAIL are limited to warranties provided to POWERNAIL by the manufacturer of such product that are assignable to customer.

THESE WARRANTIES AND REMEDIES ARE EXCLUSIVE OF ALL OTHERS, EXPRESS OR IMPLIED. THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE ARE EXPRESSLY EXCLUDED. IN NO EVENT SHALL POWERNAIL'S LIABILITY FOR A WARRANTY CLAIM EXCEED THE PRICE PAID TO POWERNAIL FOR THE NONCONFORMING PRODUCT, REGARDLESS OF THE FORM OR BASIS OF THE CLAIM OR CAUSE OF ACTION.

Please see the back of this manual for warranty registration instructions.

POWERNAIL COMPANY, INC.
1020 Williams Road, Genoa City, WI 53128 US
Phone: 1-800-323-1653 or 262-292-5300
www.powernail.com

TO PREVENT ACCIDENTAL INJURIES:

Always wear approved front and side **EYE PROTECTION** when operating this Nailer. Others in the work area should also wear front and side **EYE PROTECTION**. Eye protection will help guard against flying nails and debris, which could cause severe eye injury.

EAR PROTECTION may be required to prevent hearing damage when there are high noise levels in the work area.

DO NOT USE THE METAL END OF THE MALLET TO STRIKE THE PLUNGER, use the rubber capped end only.

Never place any part of the body in the discharge path of the Nailer.

DESCRIPTION

The Model 45 is a manual operated hardwood flooring nailer recommended for the installation of 3/4″ to 5/8″ and 33/32″ tongue and groove flooring.

For a superior manual Nailer, look to the company that has been the industry's quality leader for over 50 years, POWERNAIL® COMPANY, INC.

OPERATION

TOOL OPERATION

1 Make sure flooring strips are together tightly

2 Place nailer on tongued edge of flooring

3 Strike the plunger with rubber end of the mallet

4 The nailer will drive and set the nail at the correct 45 degree angle

LOADING CLEATS

1 Unclip the spring clip from the feeder channel and remove the feeder channel.

2 Slide a clip of nails into the end of the nail channel feed slot.

2 Insert the feeder channel into the channel feed slot and clip on the spring clip.

3 Tension is now applied to the nails for use.

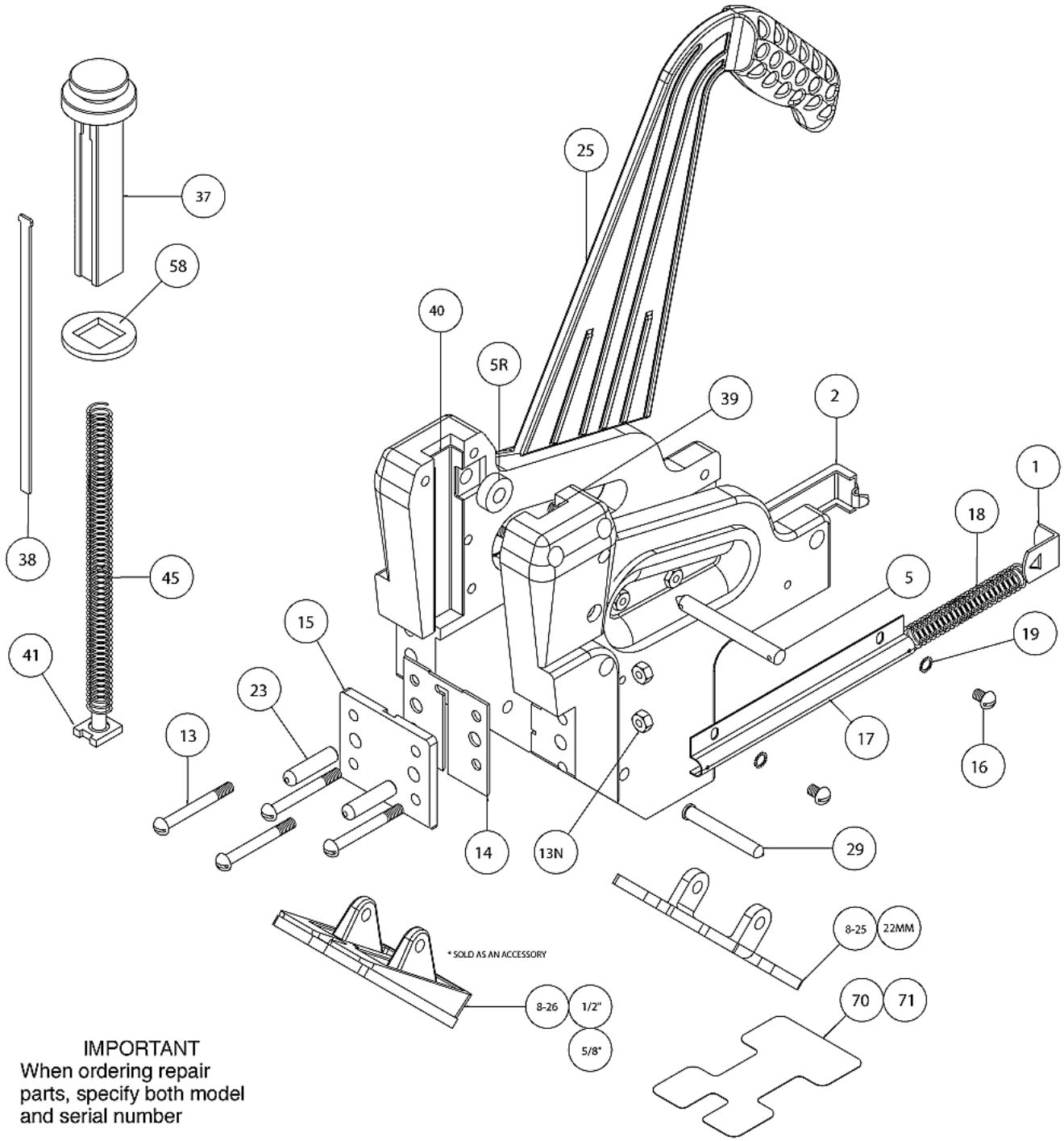
UNLOADING THE NAILER

1 Unclip the spring clip from the feeder channel and remove the feeder channel.

2 Tilt nailer back until nails slide out of nail channel.

WARNING Do not use any nails other than Powernail Powercleats® (16 gauge) nails, which are specifically designed for use in the Model 45 Powernailer. Powercleats® (16 gauge) nails are available in 1-1/2", 1-3/4" or 2" lengths to accommodate 3/4″ to 5/8″ and 33/32″ tongue and groove hardwood flooring.

MODEL 45 EXPLODED VIEW



IMPORTANT
When ordering repair parts, specify both model and serial number

MODEL 45 PARTS LIST

ITEM #	PART NO.	DESCRIPTION	QTY REQ'D	KEY	Assembly or Kit
1	08-45-00-010	SPRING CLIP	1	S/K	TU / OVH
2	08-45-00-020	FEEDER CHANNEL	1	S/K	OVH
5	08-45-00-050	ROLLER PIN ASSEMBLY	1	S/K	OVH
5R	08-45-00-05R	ROLLER	1	S/K	OVH
13	08-45-00-130	FOOT SCREW	4	S/K	OVH
13N	08-45-00-13N	LOCKNUT	4	S/K	OVH
14	08-45-00-140	GATE	1	S	
15	08-45-00-150	FOOT	1	S	
16 & 19	08-45-00-160	SCREW & WASHER SET FOR SPRING CONT. (2 EA)	1	S/K	OVH
17	08-45-00-170	SPRING CONTAINER	1	S/K	OVH
18	08-45-00-180	FEEDER SPRING	1	S/K	TU / OVH
23	08-45-00-230	DOWEL PIN	2	S	
25	08-45-00-250	HANDLE ASSEMBLY	1	S	
29	08-45-00-290	ADAPTER PLATE PIN ASSEMBLY	1	S	
37	07-45-00-370	PLUNGER	1	S/K	OVH
38	08-45-00-380	DRIVING BLADE	1	S/K	TU / OVH
39	08-45-00-400	LEFT PLUNGER LINER	1	S	
40	08-45-00-390	RIGHT PLUNGER LINER	1	S	
41	08-45-00-410	PLUNGER SPRING PIN	1	S/K	OVH
45	08-45-00-450	PLUNGER SPRING	1	S/K	TU / OVH
58	08-45-00-580	BLADE RETAINER	1	S/K	TU / OVH
70	06-99-720	#825 NO-MAR PAD (STICK-ON) .015 THICK	1	S	
# 8-25	06-99-010	#825 ADAPTER PLATE ASSEMBLY FOR 3/4" T&G	1	S	

KEY: S=Sold Separately, TU=Sold as part of a Tune Up Kit, OV=Sold in an Overhaul Kit

MODEL 45 ACCESSORIES

ITEM #	PART NO.	DESCRIPTION	QTY. REQ'D
# 8-26	06-99-040	#826 ADAPTER PLATE ASSEMBLY FOR 1/2" T&G	1
# 8-26	06-99-04A	#826 ADAPTER PLATE ASSEMBLY FOR 5/8" T&G	1
# 8-25	06-99-04B	#825 ADAPTER PLATE ASSEMBLY FOR 22MM T&G	1
72	08-45-TU-KIT	MODEL 45 TUNE-UP KIT	1
74	06-99-430	NAILER SHOE WITH ADAPTER ASSEMBLY	1

REPLACING #38 DRIVING BLADE

1. Remove #5 Roller Pin--save Cotter Pin.

2. Holding Nailer in left hand with Nailer tilted so rear of Nailer is down, depress #37 Plunger Head slightly so #5R Roller is released from Plunger Head.

3. Remove #37 Plunger Head from Body of Nailer by lifting straight out of Body.

4. Remove #38 Driving Blade from under #58 Rubber Blade Retainer. Discard Blade.

5. Insert new #38 Driving Blade with face of Blade stamped “Front” facing front of Nailer, under #58 Rubber Blade Retainer until the “T” section at top of Blade fits into milled slot under Plunger Head. Push #58 Rubber Blade Retainer flush to underside of Plunger Head.

6. Holding Nailer in left hand with Nailer so rear of Nailer is down, slowly insert Plunger Head and Driving Blade Assembly into Nailer Body, making certain the #45 Plunger Spring is inserted into hole in Plunger Head.

7. While in this position, reinsert the #5 Roller Pin and Cotter Pin.

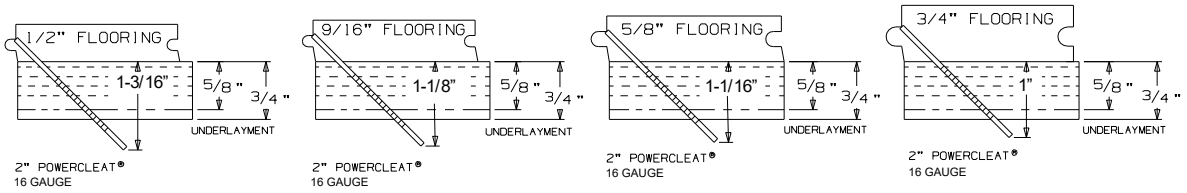
8. Installation is complete and Nailer is ready to use.

POWERCLEATS LENGTH DETERMINATION CHART

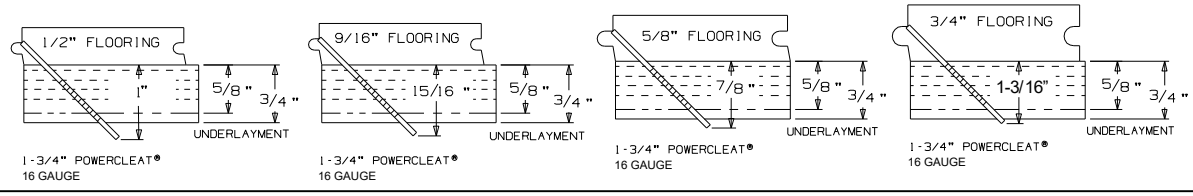
This chart will assist you in determining the proper length of Powercleats to use for various thicknesses of flooring. Approximate vertical penetration of the Powercleat under the hardwood floor is shown for each application. This is only a guide. Results should be tested in the field before proceeding.

Nail Penetration for 3/4" and 5/8" Underlayment

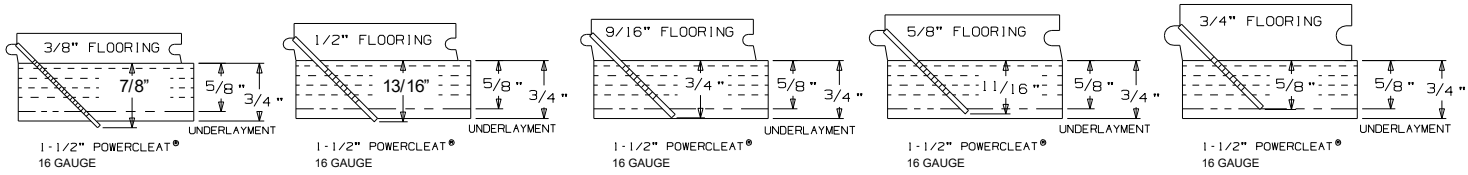
2” 16 GAUGE POWERCLEATS®



1-3/4” 16 GAUGE POWERCLEATS®



1-1/2” 16 GAUGE POWERCLEATS®



NOTES AND RECORDS

Visit www.Powernail.com

- **Dealer Locator**
- **Rental Locator**
- **Parts Store**
- **Product Information**
- **Repair Tech Videos**
- **Cool Tools Cleat Calculator**
- **Cleat Depth Chart**
- **Training Schools**

Featured Products

Powerjack® Model 500

- Made in the USA and has a 1-year warranty
- Eliminates gaps and straightens boards during installation
- Requires minimal effort to apply maximum force
- Self-adjusting lip fits 5/16″ to 3/4″ flooring
- Safe for use on finished floors

P/N: PJ500

Mallet Cap Replacement Assemblies

Includes a non-marring rubber cap and steel ring. Fits on all our mallet models.

P/N: 06-CAPAW

P/N: 06-CAPAB

16 Gauge Powercleats™

1½" 5 Pack
(5 x 1,000 Cleats)
P/N: L150165

1¾" 5 Pack
(5 x 1,000 Cleats)
P/N: L175165

2" 5 Pack
(5 x 1,000 Cleats)
P/N: L200165

POWERNAIL® Warranty Registration

Register your warranty on the web and you will automatically be entered to win a **FREE!!! PowerPalm™**.

Scan this code with your phone to be taken to our warranty registration form

Register at https://www.powernail.com/warranty-registration/