POWERNAIL® CO.

1020 Williams Road, Genoa City, WI 53128 US
Phone: 1-800-323-1653
Website: www.powernail.com

Operation and Maintenance Manual

MODEL 45R TONGUE AND GROOVE Ratcheting Nailer

WARNING

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 a 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

MODEL 45R PARTS LIST

ITEM #	PART NO.	DESCRIPTION	QTY REQ'D	Assembly or Kit
1	08-45-00-010	SPRING CLIP	1	S / TU
2	08-45-00-020	FEEDER CHANNEL	1	S
5	08-45-00-050	ROLLER PIN ASSEMBLY	1	S
5R	08-45-00-05R	ROLLER	1	S
13	08-45-00-130	FOOT SCREW	4	S
13N	08-45-00-13N	LOCKNUT	4	S
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
17	08-45-00-170	SPRING CONTAINER	1	S
18	08-45-00-180	FEEDER SPRING	1	S / TU
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
37R	07-45-00-704	RATCHET PLUNGER	1	S
38	08-45-00-380	DRIVING BLADE	1	S / TU
39	08-45-00-400	LEFT PLUNGER LINER	1	S
40R	08-45-00-390	RIGHT PLUNGER LINER	1	S
41	08-45-00-410	PLUNGER SPRING PIN	1	S
45	08-45-00-450	PLUNGER SPRING	1	S / TU
58	08-45-00-580	BLADE RETAINER	1	S / TU
59R	08-45R-00-59	RATCHET ASSEMBLY	1	S
60	08-45-00-710	RATCHET ACCESS PLATE	1	S
61	09-44529836	RATCHET ACCESS PLATE SCREW	2	S
400	06-99-400	TOE STAND	1	S
70	06-99-720	#825 NO-MAR PAD (STICK-ON) .015 THICK	1	S

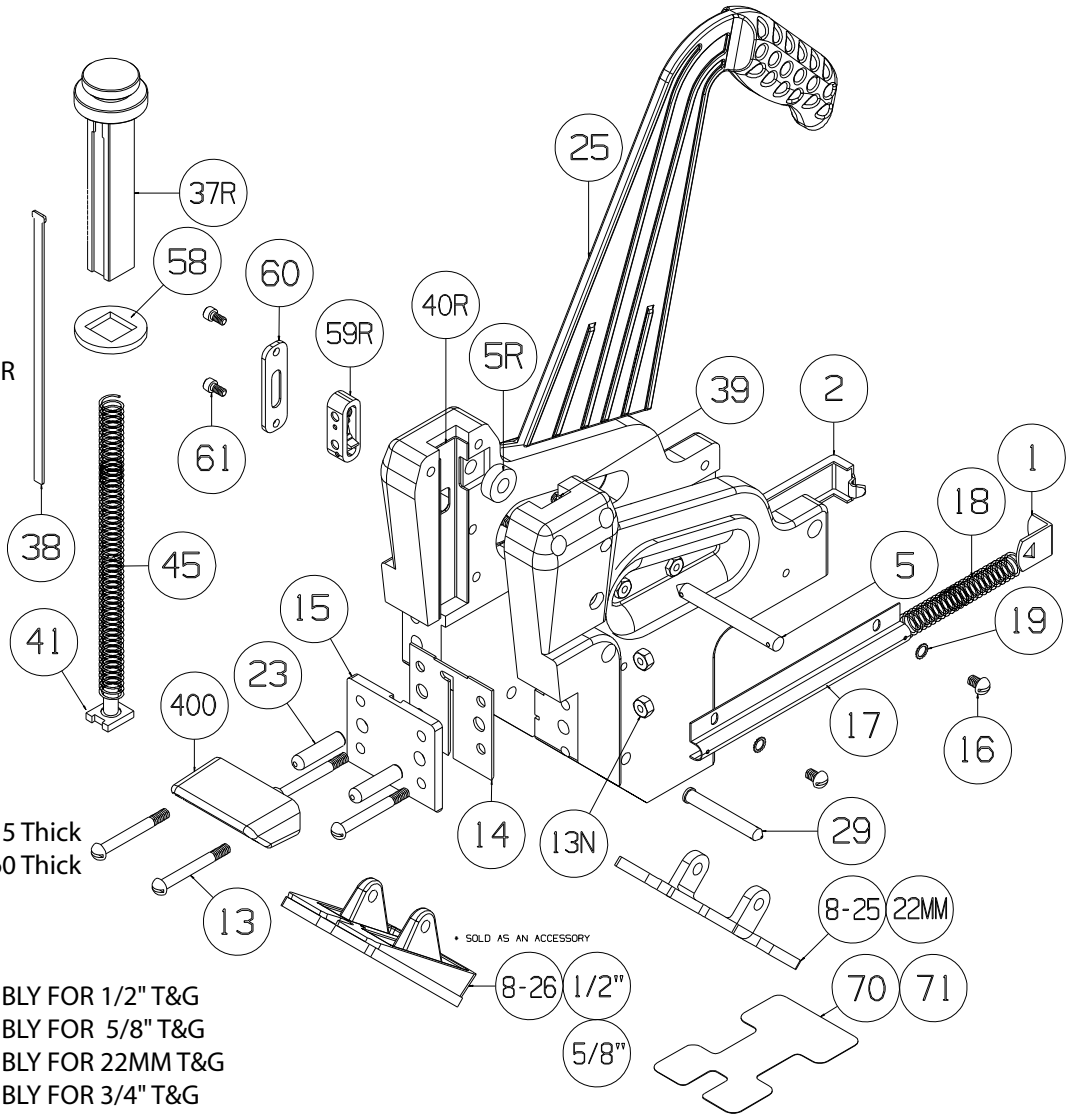
KEY: S=Sold Separately, TU=Sold as part of a Tune Up Kit

MODEL 45R 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	06-99-010	#825 ADAPTER PLATE ASSEMBLY FOR 3/4" 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

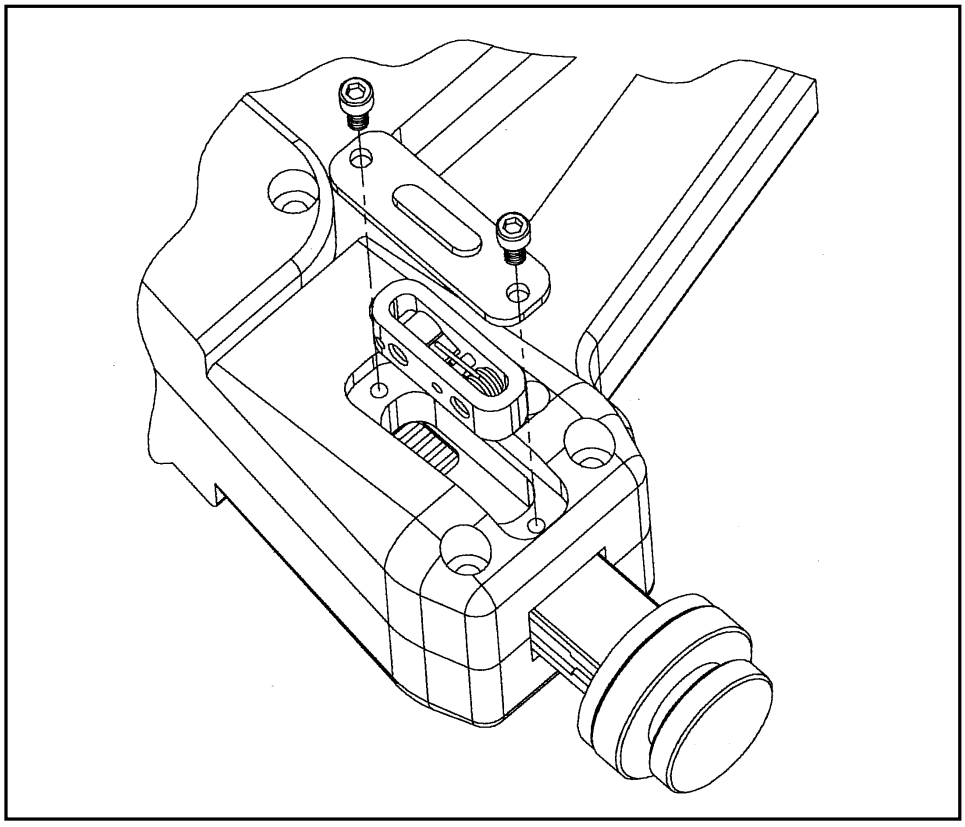
MODEL 45R EXPLODED VIEW

1. SPRING CLIP
2. FEEDER CHANNEL
5. ROLLER PIN ASSEMBLY
5R. ROLLER
13. FOOT SCREW
13N. LOCKNUT
14. GATE
15. FOOT
16. SPRING CONTAINER SCREW
17. SPRING CONTAINER
18. FEEDER SPRING
19. SPRING CONTAINER LOCK WASHER
23. DOWEL PIN
25. HANDLE ASSEMBLY
29. ADAPTER PLATE PIN ASSEMBLY
37R. RATCHET PLUNGER
38. DRIVING BLADE
39. LEFT PLUNGER LINER
40R. RIGHT PLUNGER LINER
41. PLUNGER SPRING PIN
45. PLUNGER SPRING
58. BLADE RETAINER
59R. RATCHET ASSEMBLY
60. RATCHET ACCESS PLATE
61. RATCHET ACCESS PLATE SCREW
70. #825 NO MAR PAD (STICK-ON) .015 Thick
71. #825 NO MAR PAD (STICK-ON) .060 Thick
72. MODEL 45R TUNE UP KIT
73. MODEL 45R OVERHAUL KIT
400. TOE STAND
826-12. #826 ADAPTER PLATE ASSEMBLY FOR 1/2" T&G
826-58. #826 ADAPTER PLATE ASSEMBLY FOR 5/8" T&G
825-22. #825 ADAPTER PLATE ASSEMBLY FOR 22MM T&G
825-34. #825 ADAPTER PLATE ASSEMBLY FOR 3/4" T&G



MODEL 45R RATCHET REPAIR INSTRUCTIONS

- With a 5/32 allen wrench, unscrew the two #10-32 socket head cap screws from the access plate.
- Remove access plate by turning nailer over.
- Remove ratchet insert assembly.
- Install new ratchet insert assembly as shown below.
- Replace access plate. Important: Make sure access plate is replaced as shown, with indent facing in towards ratchet.
- Fasten access plate back to body using a 5/32 allen wrench and the two socket head cap screws.

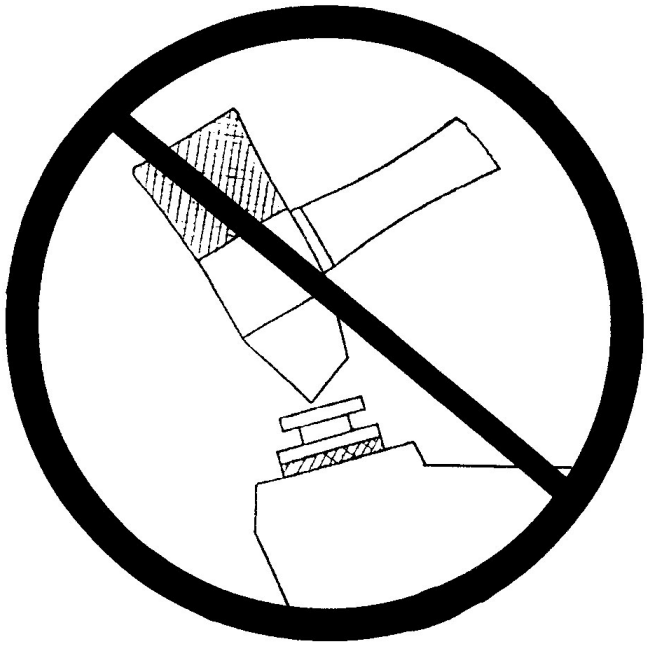


REPLACING #28 DRIVING BLADE

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.

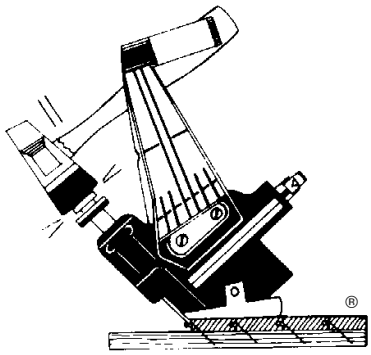
CAUTION

Using a mallet in the manner shown below will not only break the plunger head, but may also damage the nailer body to the point where factory repairs cannot be made.

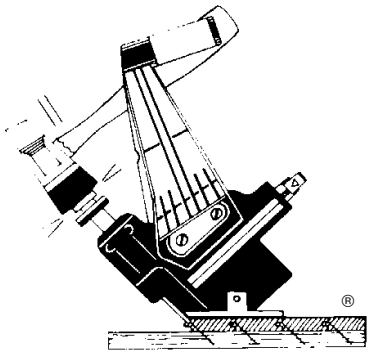


IMPROPER MALLET USAGE WITH ALL POWERNAILER® NAILERS

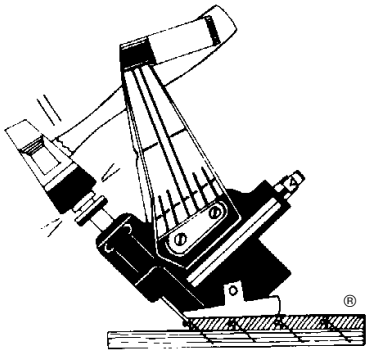
Adaptor plates for different flooring thicknesses.



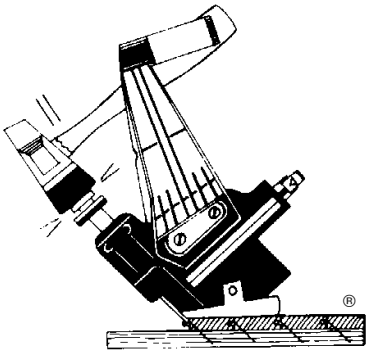
Model 45R flooring nailer fitted with #8-26 adaptor plate, to nail standard 1/2”(13mm) T&G flooring.
P/N: 06-99040
(Optional accessory)



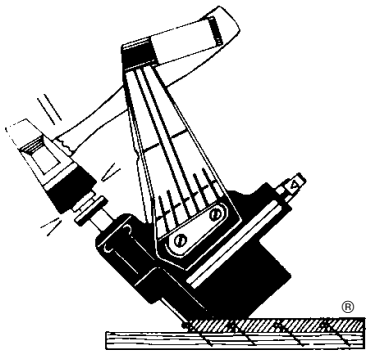
Model 45R flooring nailer fitted with #8-26 adaptor plate, to nail standard 5/8”(16mm) T&G flooring.
P/N: 06-9904A
(Optional accessory)



Model 45R flooring nailer fitted with #8-25 adaptor plate, to nail standard 3/4” (19mm)T&G flooring.
P/N: 06-99010
(Standard configuration)



Model 45R flooring nailer fitted with #8-25 adaptor plate, to nail standard 7/8”(22mm) T&G flooring.
P/N: 06-99-04B
(Optional accessory)

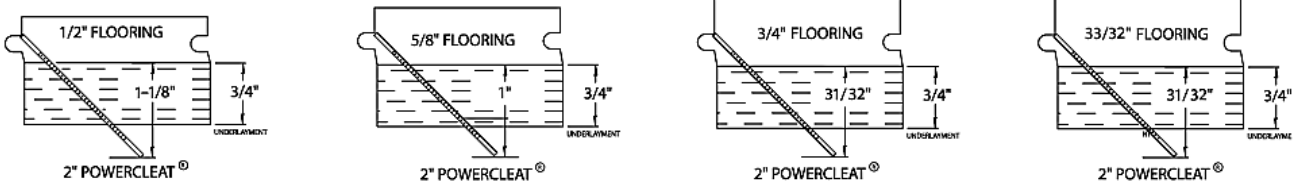


Model 45R flooring nailer fitted with #8-25 adaptor plate, to nail standard 33/32”(26mm) T&G flooring.
P/N: None required

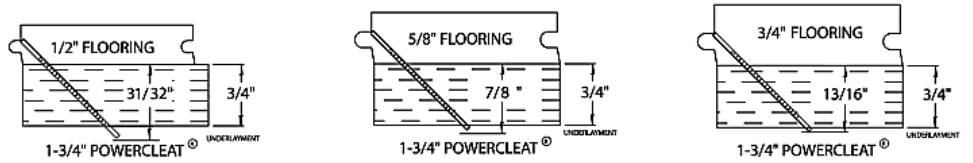
POWERCLEAT® NAIL LENGTH CHART

This chart will assist you in determining the proper length of Powercleat nails to use for various thicknesses of flooring when sub-flooring member varies as to species and thickness. Vertical penetration of the Powercleat nails under the hardwood floor is shown for each application. This is only a guide. Results should be tested in the field before proceeding.

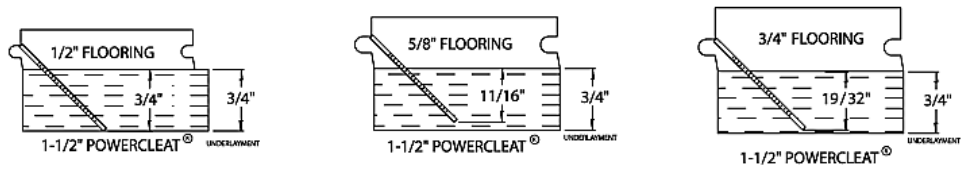
2" Powercleats® 16 Gage



1-3/4" Powercleats® 16 Gage



1-1/2" Powercleats® 16 Gage



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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

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

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