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Instruction manual

NARROW CROWN STAPLER



To learn more about Porter-Cable visit our website at:

http://www.porter-cable.com



IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main

housing of the tool. Record these numbers in the spaces below and retain for future reference.
Model No.
Type
Serial No.

IMPORTANT SAFETY INSTRUCTIONS

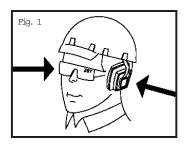
W ARNING: When using pneumatic tools, basic safety precautions should always be followed to reduce the risk of personal injury, including the following:

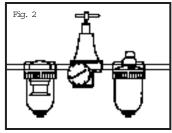
READ AND FOLLOW ALL INSTRUCTIONS.

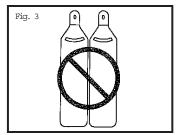
There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

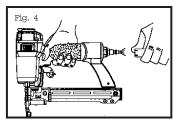
- 1. USE SAFETY GLASSES. To prevent eye injuries, the tool operator and all persons in the work area must wear safety glasses with permanently attached, rigid, plastic side shields. These safety glasses must conform to ANSI Z87.1 requirements (approved glasses have Z87 printed or stamped on them). Fig. 1.
- 2 WEAR EAR PROTECTION to safeguard against possible hearing loss. Fig. 1.
- 3. USE CLEAN, DRY, REGULATED compressed air at 70 to 120 PSI. Fig. 2.
- 4. DO NOT CONNECT TOOL TO pressure which potentially exceeds 200 PSI (13.7 BAR).
- 5. ONLY USE AIR HOSE THAT IS RATED for a minimum working pressure of 150 PSI or 150% of the maximum system pressure, which ever is greater.
- 6. NEVER USE OXYGEN, CARBON DIOXIDE, combustible gases or any other bottled gas as a power source for this tool: explosion and serious personal injury could result. Fig. 3.
- 7. CONNECT TOOL TO AIR SUPPLY HOSE with a coupling that removes all pressure from the tool when the coupling is disconnected. Fig. 4.

Technical Service Manager Porter-Cable Corporation 4825 Highway 45 North P. O. Box 2468 Jackson, TN 38302-2468

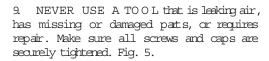




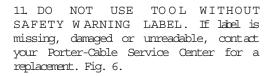




8. DISCONNECT TOOL FROM AIR SUPPLY HOSE before doing tool maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person. Fig. 5.



10. NEVER USE TOOL IF SAFETY, trigger or springs are inoperable, missing or damaged. Do not alter or remove safety, trigger, or springs. Make daily inspections for free movement of trigger and safety mechanism. Fig. 5.

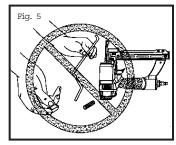


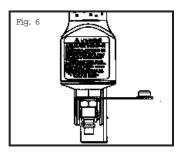
12. ONLY USE PARTS, FASTENERS, AND ACCESSORIES recommended by Porter-Cable. Fig. 7.

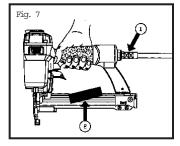
13. CONNECT TOOL TO AIR SUPPLY BEFORE loading fasteners, to prevent a fastener from being fired during connection. The tool driving mechanism may cycle when tool is connected to the air supply. Fig. 8.

14. ALWAYS ASSUME THE TOOL CONTAINS FASTENERS. Keep the tool pointed away from yourself and others at all times. No horseplay. Respect the tool as a working implement.

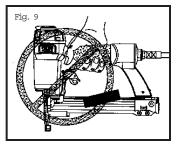
15. DO NOT LOAD FASTENERS with trigger or safety depressed, to prevent unintentional firing of a fastener. Fig. 9.

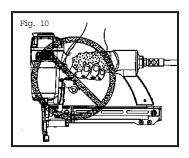


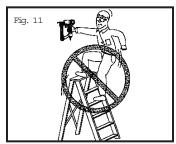




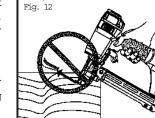




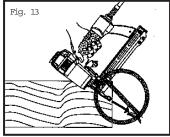




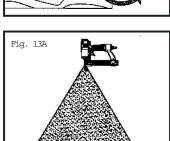
16. REMOVE FINGER FROM TRIGGER when not driving fasteners. Never carry tool with finger on trigger: tool may fire a fastener if safety is burped while trioper is depressed. Fig. 10.



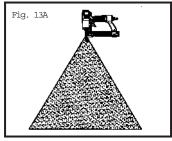
17. DON T OVERREACH. Keep proper footing and balance at all times when using or handling the tool. Fig. 11.



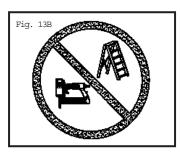
18. FIRE **FASTENERS** INTO WORK SURFACE ONLY: never into materials too hard to penetrate. Fig. 12.



19. GRIP TOOL FIRMLY TO MAINTAIN CONTROL WHILE allowing tool to recoil away from work surface as fastener is driven. If safety element is allowed to recontact work surface before trioper is released, unwanted fastener may be fired.



20. DO NOT DRIVE FASTENERS on top of other fasteners, or with the tool at too steep an angle: the fasteners can ricochet causing personal injury. Fig. 13.

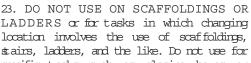


21. DO NOT DRIVE FASTENERS CLOSE to the edge of the workpiece. The workpiece is likely to split allowing the fastener to fly free or ricochet causing personal injury. Fig. 13.

away from area shown in Fig. 13A, to avoid

22. KEEP HANDS AND

injury.



specific tasks such as closing boxes or crates or fitting transportation safety systems on vehicles and wagons. Fig. 13B.

BODY PARTS

TECHNICAL SPECIFICATIONS

Noise level

A - Weighted sound impulse power level 101 dBA

P - Emission sound pressure level 88 dBA Typical Mean $\mbox{\it ef fective Acceleration}$ 2.5 m/s 2

EMPLOYER S RESPONSIBILITIES

Employer must enforce compliance with the safety warnings and all other instructions contained in this manual.

Keep this manual available for use by all people assigned to use this tool.

For personal safety and proper operation of this tool, read and follow all of these instructions carefully.

OPERATING INSTRUCTIONS

FOREWORD

Porter-Cable Model NS100A is a heavy duty pneumatic stapler. It is designed to install narrow crown (1 ... 4 " wide), 18 ga. wire staples of various lengths (from 1 ... 2 " to 1" long), see ACCESSORIES Listing in back of this manual.

CAUTION: Use approved Porter-Cable staples only (see ACCES-SORIES Listing in back of this manual).

POWER SOURCE

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 70 and 120 PSI (Pounds per Square Inch). The preferred system would include a filter, a pressure regulator, and an automatic oiler located as close to the tool as possible (within 15 feet is ideal).

All compressed air contains moisture and other contaminates that are detrimental to internal components of the tool. An air line filter will remove most of these contaminates and significantly prolong the life of the tool. If an in-line oiler is not available: place five or six drops of Porter-Cable Air Tool Oil (see ACCESSORIES), into the tool s air inlet at the beginning of each workday.

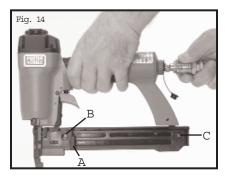
The tool is equipped with a male quick connector. The tool must always be connected to the air supply with a coupling such that all pressure is removed from the tool when the coupling is disconnected.

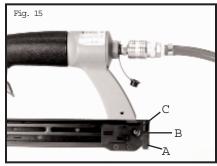
CAUTION: All air line components (hoses, connectors, filters, regulators, etc.) must have a minimum working pressure rating of 150 PSI (10.3 BAR) or 150% of maximum system potential, whichever is higher.

Do not connect this tool to a system with maximum potential pressure greater than $200\ PSI\ (13.7\ BAR)$.

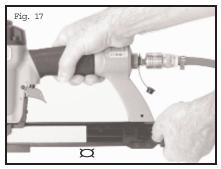
Only connect tool to air supply with a coupling that will release all pressure from the tool when disconnected.

Disconnect tool from air supply before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.









PREPARING THE TOOL

1. After reading and understanding this entire manual, connect tool to air supply.

CAUTION: Keep tool pointed away from yourself and others at all times.

Always connect tool to air supply before loading fasteners.

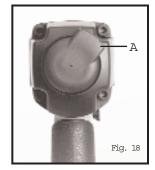
Do not load fasteners with trigger or safety depressed.

Only use approved Porter-Cable fasteners (see ACCESSORIES).

Always wear Z87 approved safety glasses, and hearing protection when preparing or operating the tool.

Never use a tool that leaks air or needs repair.

- 2. Pull fastener follower (A) Fig. 14, back until hole (B) Fig. 14, catches on latch (C) Fig. 14 and release fastener follower (see Fig. 15).
- 3. Insert a strip of approved fasteners, see Fig. 16.
- 4. While holding fastener follower (A) Fig. 14, press latch (C) Fig. 14, and allow fastener follower to slide forward against fasteners (see Fig. 17).
- 5 Adjust directional exhaust deflector (A) Fig. 18, so that the exhaust air blast will be directed away from the operator. The exhaust deflector provides 8 detented positions for directing the exhaust blast away from the operator. Grasp the deflector and actate it to the desired position for the current application.



USING THE TOOL

Complete all steps of PREPARING THE TOOL before using the tool.

To fire, grip tool firmly, position mose of tool onto work surface, push forward on tool to depress safety, and squeeze trigger to fire a fastener. This trigger fire method provides the most accurate fastener placement. This tool is shipped from the factory with a restrictive fire trigger that only allows the tool to be fired this way and is less likely to fire an unwanted fastener.

An alternate bottom fire trigger is available. The bottom fire trigger allows the tool to be fired in two different ways.

1. The tool can be fired using the tripper fire method described above.

O R

2. Grip tool firmly, depress and hold trigger while pushing the tool firmly against work surface. The tool will fire a fastener each time the safety is depressed. This method is known as bottom fire and allows very fast repetitive fastener placement.

The bottom fire trigger is available free-of-charge by calling 1-800-321-9443 in the United States and Canada or 001-901-660-9374 outside the United States and Canada, and providing tool model and serial number. For identification purposes: the Bottom Fire Trigger is black and the Restrictive Fire Trigger is red.

CAUTION: Remove finger from trigger when not driving fasteners. Never carry tool with finger on trigger: tool may fire a fastener if safety is bumped.

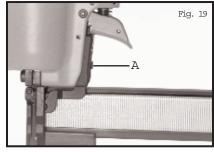
Keep tool pointed in a safe direction at all times.

Never attempt to drive a fastener into material that is too hard, or at too step an angle, or near the edge of the workpiece. The fastener can ricochet causing personal injury.

Disconnect tool from air supply before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.

Clean and inspect tool daily. Carefully check for proper operation of trigger and safety mechanism. Do Not use the tool unless both the trigger and the safety mechanism are functional, or if the tool is leaking air or needs any other repair.

The depth to which a fastener is driven is controlled by the depth adjustment knob (A) Fig. 19. The depth of drive is factory adjusted to a nominal setting. Test fire a fastener and check depth. If a change is desired, rotate the adjustment knob (A) Fig. 19: the adjustment knob has detents every 1...4 turn. Rotate the knob clockwise (see Fig. 19), to increase the depth of drive, notate the knob counterclockwise to



decrease the depth of drive. Test fire another fastener and check depth. Repeat as necessary to achieve desired results. The amount of air pressure required will vary depending on the size of the fastener and the material being fastened. Experiment with the air pressure setting to determine the lowest setting that will consistently perform the job at hand. Air pressure in excess of that required can cause premature wear and/or damage to the tool.





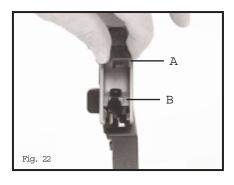
CLEARING A JAMMED FASTENER

- 1. CAUTION: Disconnect tool from air supply.
- 2 Open magazine and remove any remaining fasteners. CAUTION: Remove fasteners from tool before opening the fastener guide plate. Fasteners are under pressure and may shoot out of magazine which could cause injury.
- 3. Depress the quick release latch and open the fastener guide plate (see Fig. 20).
- 4. Remove the jammed fastener (see Fig. 21).
- 5. Depress the quick release latch, close the fastener guide plate, and release the latch.

NOSE CUSHION

This tool is equipped with a nubber nose cushion (A) Fig. 22, that prevents marring of finished surfaces by the metal safety during normal operation. The nose cushion can be removed and stored in the rear area of the tool (B) Fig. 22, when it is not required.

CAUTION: Disconnect tool from air supply before removing or reinstalling rubber nose cushion.



MATNTENANCE

CLEAN AND INSPECT DAILY

CAUTION: Disconnect tool from air supply before cleaning and inspection. Correct all problems before placing the tool back in use.

W ipe tool clean and inspect for wear or damage. Use non-flammable cleaning solutions to wipe exterior of tool only if necessary. DO NOT SOAK tool with cleaning solutions. Such solutions can damage internal parts

Inspect trigger and safety mechanism to assure system is complete and functional: no loose or missing pats, no binding or sticking pats

Keep all screws tight. Loose screws can cause personal injury or damage tool. If tool is used without an in-line oiler: place 5 or 6 drops of Porter-Cable Air Tool Oil into the air inlet of the tool at the beginning of each workday.

SERVICE AND REPAIRS

All quality tools eventually require servicing or replacement of parts due to wear from normal use. Some user serviceable components are described in the TROUBLESHOOTING Section. Complete product Service is available from either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot quarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

TROUBLESHOOTING

CAUTION: Disconnect tool from air supply before performing any Service Procedure.

	SYMPTOM	PROBLEMS	SOLUTIONS	
1.	Air leak near top of tool or in trigger area.	Loose screws. Worn or damaged o-rings or sæls.	Tighten screws. Install OVERHAUL Maintenance Kit.	
2	Tool does nothing or operates sluggishly.	Inadequate air supply. Inadequate lubrication. W orn or damaged o-rings or seals.	Verify adequate air supply. Rut 5 or 6 drops of oil into air inlet. Install DRIVER Maintenance Kit.	
3.	Air leak near bottom of tool.	Loose screws. W orn or damaged o-rings or bumper.	Tighten screws. Install OVERHAUL Maintenance Kit.	
4.	Tool jans frequently.	Incorrect fasteners. Damaged fasteners. Magazine or nose screws loose. Magazine is dirty. Driver is worn or damaged.	Verify approved fasteners of conet size. Replace w/undamaged fasteners. Tighten screws. Clean magazine. Install DRIVER Maintenance Kit.	
5.	Other.	DITYCE IS WOIT OF GATINGES.	Contact a Porter-Cable Service Facility.	

ACCESSORIES

The testing of this tool has been accomplished with the following accessories. For safest operation, it is recommended that only these accessories be used with this product.

W ARNING: Since accessories other than those listed have not been tested with this product, use of such accessories could be hazardous.

CATALOG NO.	DESCRIPTION	LENGTH	GAUGE	QUAN/BOX
NS18050	Narrow Crown Staple	1 2 "	18	5000
NS18063	Narrow Crown Staple	5 8 "	18	500
NS18075	Narrow Crown Staple	3 4 II	18	5000
NS18088	Narrow Crown Staple	7 8 "	18	5000
NS18088-1	1000 Pk. of NS18088	7 8 "	18	1000
NS18100	Narrow Crown Staple	1"	18	5000
NS18100-1	1000 Pk. of NS18100	1"	18	1000
60061 60064	OVERHAUL Maintenance DRIVER Maintenance Ki			
884293	Oil (for Air Tools)			
893579	Safety Glasses			
893933	Bottom Fire Trigger			

PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrantsits mailing and stapling tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to 0-rings and Driver Blades or to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: FORTER-CABLE CORPORATION, 4825 Highway 45 North, P.O. Box 2468, Jackson, Tennessee 38302-2468; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

PORTER-CABLE SERVICE CENTERS (CENTROS DE SERVICIO DE PORTER-CABLE) (CENTRE DE SERVICE PORTER-CABLE)

Parts and Repair Service for Porter-Cable Power Tools are Available at These Locations
(Obtenga Refaccion de Partes o Servicio para su Herramienta en los Siguientes Centros de Porter-Cable)
(Locations og vous trouverez les piloes de rechange nøcessaires ainsi qu un service d entretien)

ARIZONA Tempe 85282 (Phoenix) 2400 West Southern Avenue

Suite 105 Phone: (602) 437-1200 Fax: (602) 437-2200

CALIFORNIA Ontario 91761 (Los Angeles) 3949A East Guasti Road Phone: (909) 390-5555 Fax: (909) 390-5554

San Leandro 94577 (Oakland) 3039 Teagarden Street Phone: (510) 357-9762 Fax: (510) 357-7939

Denver 80216 5855 Stapleton Drive North Suite A-140 Phone: (303) 370-6909 Fax: (303) 370-6969

COLORADO

FLORIDA Davie 33314 (Miami) 4343 South State Rd. 7 (441) Unit #107 Phone: (954) 321-6635

Fax: (954) 321-6638 Tampa 33609

4538 W. Kennedy Boulevard Phone: (813) 877-9585 Fax: (813) 289-7948 GEORGIA Forest Park 30297 (Atlanta) 5442 Frontage Road, Suite 112 Phone: (404) 608-0006 Fax: (404) 608-1123

ILLINOIS Addison 60101 (Chicago) 311 Laura Drive Phone: (630) 628-6100 Fax: (630) 628-0023

From: (909) 390-5554 W codridge 60517 (Chicago)
Fax: (909) 390-5554 2033 West 75th Street
San Leandro 94577 (Oakland)
From: (630) 910-9200
Fax: (630) 910-0360

MARYLAND Elkridge 21075 (Baltimore) 7397-102 Washington Blvd. Phone: (410) 799-9394 Fax: (410) 799-9398 MASSACHUSETTS

Braintree 02185 (Boston) 719 Granite Street Phone: (781) 848-9810 Fax: (781) 848-6759

Franklin 02038 (Boston) Franklin Industrial Park 101E Constitution Blvd. Phone: (508) 520-8802 Fax: (508) 528-8089

MICHIGAN Troy 48083 (Detroit) 1355 Combermere Phone: (248) 597-5000 Fax: (248) 597-5004 MINNESOTA Minneapolis 55429 4315 68th Avenue North

Phone: (612) 561-9080 Fax: (612) 561-0653

North Kansas City 64116 1141 SwiftAvenue P.O. Box 12393 Phone: (816) 221-2070 Fax: (816) 221-2897

St. Louis 63119 7574 Watson Road Phone: (314) 968-8950 Fax: (314) 968-2790

NEW YORK Dallas 75220
Flushing 11365-1595 (N.Y.C.) 10720 N. Stemmons Phone: (214) 353-29
Phone: (718) 225-2040
Fax: (718) 423-9619 Houston 77055

NORTH CAROLINA Charlotte 28209 4303-B South Boulevard Phone: (704) 525-4410 Fax: (704) 525-0618

OHIO Columbus 43214 4560 Indianola Avenue Phone: (614) 263-0929 Fax: (614) 263-1238 Cleveland 44125 8001 Sweet Valley Drive

Unit #19 Phone: (216) 447-9030 Fax: (216) 447-3097

PENNSYLVANIA W illow Grove 19090 520 North York Road Phone: (215) 658-1430 Fax: (215) 658-1433

TENNESSEE Nashville 37214 2262 Lebanon Pike Phone: (615) 882-0320 Fax: (615) 882-0051

TEXAS Dallas 75220 10720 N. Stemmons Freeway Phone: (214) 353-2996

Houston 77055 W est 10 Business Center 1008 Wirt Road, Suite 120 Phone: (713) 682-0334 Fax: (713) 682-4867

W ASHINGTO N Renton 98055 (Seattle) 268 Southwest 43rd Street Phone: (425) 251-6680 Fax: (425) 251-9337

Authorized Service Stations are Located in many large cities. Telephone 800-487-8665 or 901-541-6042 for assistance Locating one. Parts and accessories for Porter-Cable products simuld be distained by contacting any Boxter-Cable Distributor. Authorized Service Center, or Porter-Cable Factory Service Center. If you do not have access to any of these, call 888-848-5175 and you will be directed to the nearest Porter-Cable Factory Service Center. Its Bataciones de Servicio Autorizadas están ubicadas en muchas grandes ciudades. Llane al 800-487-8665 al 901-541-6042 para disterer asistematica a fin de Localizar una. Las piezes y los accessorios para los productos Porter-Cable deben obtenerse pomióndose en contacto con cualquier distribuidor Porter-Cable, Centro de Servicio Autorizado o Centro de Servicio de Efforica Porter-Cable. Si no tiene acceso a miguna de estas opciones, llane al 888-848-5175 y le dirigión al Centro de Servicio de Patrica Porter-Cable mês cercano. Des centres de service agróßs sont situals dans beaucopo de grandes villes. Appelez au 800-487-8665 ou au 901-541-6042 pour obtenir de l aide pour en regôter un. Pour obtenir des piloses et accessoires pour les produits Porter-Cable, sa advesser tout distributeur Porter-Cable, centre de service agróß ou centre de service d usine Porter-Cable. Si vous n avez accis aucun de ces centres, appeler le 888-848-5175 et on vous dirigera vers le centre de service d usine Porter-Cable le plus proche.

DELTA SERVICE CENTERS

ALBERTA
Bay 6, 2520-23rd St. N.E.
Calgary, Alberta
T2E 8L2
Phone: (403) 735-6166

Fax: (403) 735-6144 BRITISH COLUMBIA 8520 Baxter Place Burnaby, B.C. V5A 4T8

Phone: (604) 420-0102 Fax: (604) 420-3522 MANITOBA 1699 Dublin Avenue W innipeg, Manitoba R3H 0H2

Phone: (204) 633-9259 Fax: (204) 632-1976

ONTARIO 505 Southgate Drive Guelph, Ontario N1H 6M7

Phone: (519) 836-2840 Fax: (519) 767-4131 QU BEC 1515 ave. St-Jean Baptiste, QuØbec, QuØbec G2E 5E2 Phone: (418) 877

Phone: (418) 877-7112 Fax: (418) 877-7123 1447, Begin

Fax: (514) 336-3505

St-Laurent, (Montr@al), Qu@bec H4R 1V8 Phone: (514) 336-8772

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