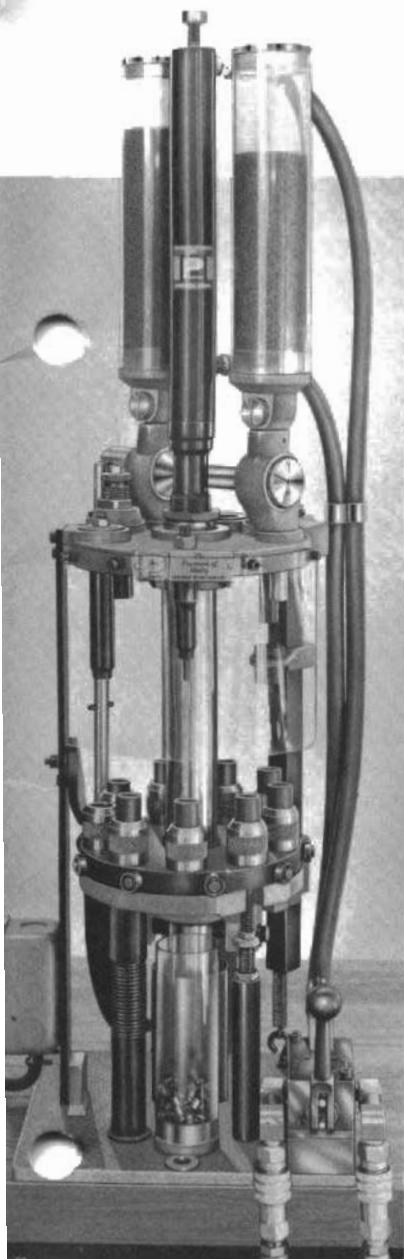




POWERMATIC RELOADER

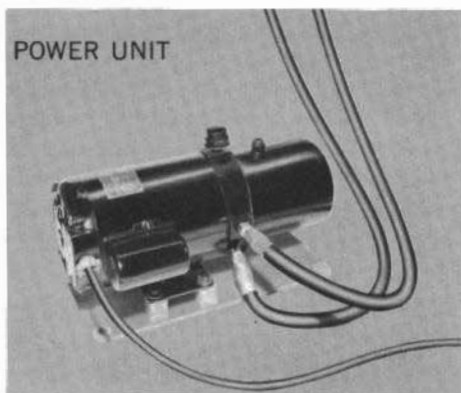
OWNER'S MANUAL



This manual includes service and operating instructions and is your guide to fingertip reloading ease and convenience. Read this manual carefully before placing unit into operation. Protect this manual against loss.

It is suggested that when learning to operate the Pacific Powermatic that operator be alone so as not to be distracted or establish incorrect or unsafe operating habits.

POWER UNIT



PACIFIC GUNSIGHT COMPANY

Box 4495
Lincoln, Nebraska 68504

■ INTRODUCTION

You are now the owner of the finest shotshell reloading tool available. The proven Deitemeyer design, famous Pacific quality and a great new concept in reloading equipment make the Pacific Powermatic the ultimate in reloading equipment.

Designed for the commercial reloader, club and individual who requires large quantities of quality reloads, the Powermatic is protected with the finest finishes, bearings and exacting tolerances to assure maximum trouble-free life. Maintenance on this machine is virtually nonexistent, consisting of lubrication of the specified points and an occasional check on the fluid level in the hydraulic pump unit. Proper operation and reasonable care will insure many years of trouble-free service.

The idea of hydraulically-powered shotshell loading machines is not new, but the Pacific Powermatic is the first such unit commercially manufactured to a compact size and reasonable price level, designed to be used in the home or club rather than a large factory. You will find the quality of the reloads from the Powermatic far superior to those loaded on a manually operated machine. Charges thrown by the Powermatic can be as uniform as those in factory loads, because of the smooth, even operation of this tool.

The following pages contain instructions for installation, operation and maintenance. Please read these instructions carefully before placing the unit into operation. This will help insure satisfactory performance, from the very first reload through the many thousands that are sure to follow.

■ WARRANTY

Pacific Gunsight Company warrants to the original purchaser that it will, for a period of twelve (12) months from date of purchase, provided warranty card has been correctly completed and returned to Pacific Gunsight Company, repair F.O.B. factory, or furnish on a prorated basis, F.O.B. factory, a similar part to replace any part found to be defective in workmanship or material, provided claimed defective parts, properly identified, be returned prepaid to Pacific Gunsight Company.

This warranty applies only to units which have not been altered in any way, repaired by other than the factory, subjected to abuse or neglect or used commercially.

This warranty is the only warranty, either expressed or implied upon which said Powermatic Loader is purchased. No other warranty has been made or exists and all statutory and implied warranties are expressly waived and excluded from this transaction. Pacific Gunsight Company's liability in connection with this transaction is expressly limited to the repair or replacement of defective parts. All other damages, statutory or otherwise being hereby waived.

■ INSTALLATION

Installation of the Pacific Powermatic is very simple. Select a bench or table that will allow comfortable operation from a seated position. A clear bench area of approximately 36" wide and 24" deep can be considered as a minimum, and additional depth is desirable. Place loader on bench, centered in the work area, and with the front edge of the base casting even with the front edge of the bench. The male half of the quick-couple hydraulic connections should extend beyond the front of the bench. The loader may be bolted to the bench with $\frac{3}{8}$ " bolts or lag screws. This is not absolutely necessary, and satisfactory operation will be obtained even without the loader fastened to the bench.

The power unit may be placed on a shelf or on the floor under the bench and need not be bolted down. Make sure there is at least 6" clearance on all sides of the unit and allow adequate ventilation for the motor. Remove plug in top center of power unit and replace with the attached breather. Plug must be replaced before unit is transported to prevent loss of hydraulic fluid.

CAUTION: It is absolutely necessary that the plug is removed and the breather installed when unit is in operation. Connect the quick-couple hydraulic connectors by pulling movable sleeve back, slipping connector on hose over male portion which is attached to loader and releasing sleeve. The connectors are color-coded to insure proper hookup. Plug motor cord into outlet in switch box on the left side of loader and after making sure the switch is in the off position, plug line cord into any 110-volt outlet adequately wired for 15-18 amp. constant current draw and fused to handle 30 amp. starting loads.

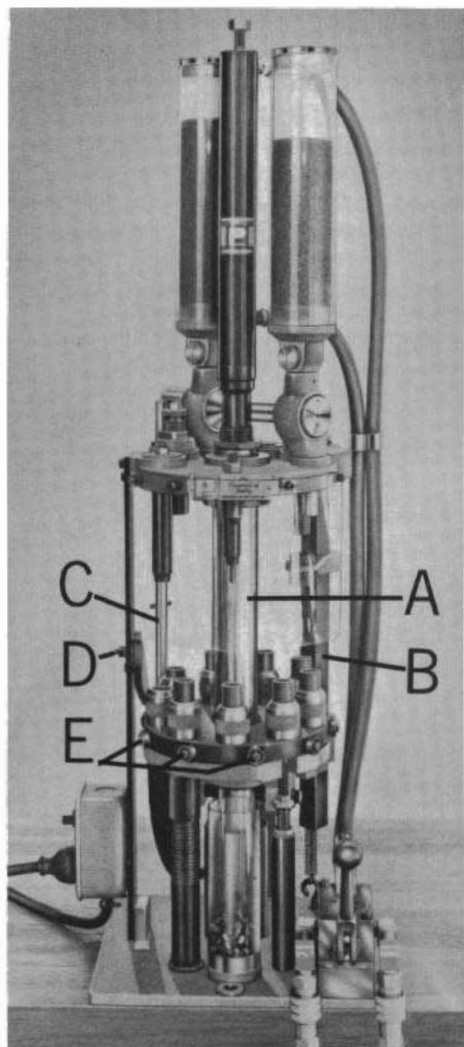
CAUTION: Extension cords should be avoided when possible. If extension cord is necessary it must be of #12 wire or heavier and as short as possible. In no case should extension cord be over 100 ft. or serious overloading of the motor may result.

STATEMENT OF LIABILITY

Pacific Gunsight Company cannot assume any liability for damage or injury, real or implied, which may be sustained from the use or operation of this loader, use of ammunition reloaded on this tool, or information given herein. This is necessary because Pacific Gunsight Company has no control over the manner with which products and information are used or components are handled, stored or labeled.

■ LUBRICATION

Your Pacific Powermatic was completely lubricated before testing and adjustment. Due to the possibility of dust and grit collecting on the lubricated surfaces during shipping, it is suggested that the following lubrication procedure be performed before placing loader into operation for the first time and at the beginning of each loading session thereafter.



1. With clean cloth wipe old lubrication from column (A), Wad Guide Bracket Post (B) and Gear Rack (C). Relubricate these parts with a thin film of "Lubriplate" or similar type lubricant.
2. Place 1 drop of oil (good grade gun oil or equivalent) on Pivot Bolt of Indexing Cam (D).
3. Place several drops of oil on Guide Post Bushing (located on the Movable Platen directly at the rear of the loader).
4. Place 1 drop of oil on each Shell Plate Bearing (E).
5. Check hydraulic fluid level in power unit. Fluid level should just cover the plate visible under the filler plug, or approximately $1\frac{1}{4}$ " below the upper edge of the filler plug hole.

■ DIRECTIONS FOR OPERATION

Operation of the Pacific Powermatic is very simple and can be mastered quickly. Speed will increase as you become more familiar with the movements necessary for operation. The hydraulic system does all the heavy labor. You make only three motions and two fingertip movements of the operating control for a completed reload.

In order to better understand the operating instructions, the following explanation of the functions at each station are given. There are a total of nine individual size dies which are indexed to a new station for a different operation during each cycle of the loading tool. Function at each station is as follows:

Station One: Empty fired case enters size die on the downward movement of the platen and is fully resized including head and rim of case. Case remains in this size die during entire loading cycle.

Station Two: Case retained in size die is deprimed on the upward movement of the movable platen.

Station Three: Case is reprimed on the downward movement of the movable platen.

Station Four: Case receives accurately metered charge of powder from fully adjustable charge bar on the upward movement of the movable platen.

Station Five: Wads of any type, including the new shot protector wads, are seated at a predetermined and fully adjustable wad pressure on the upward movement of the movable platen.

Station Six: This is a blank station and no operation is performed on case.

Station Seven: Case on the upward movement of the movable platen receives metered charge of shot from charge bar that is fully adjustable to throw any amount of shot up to two ounces.

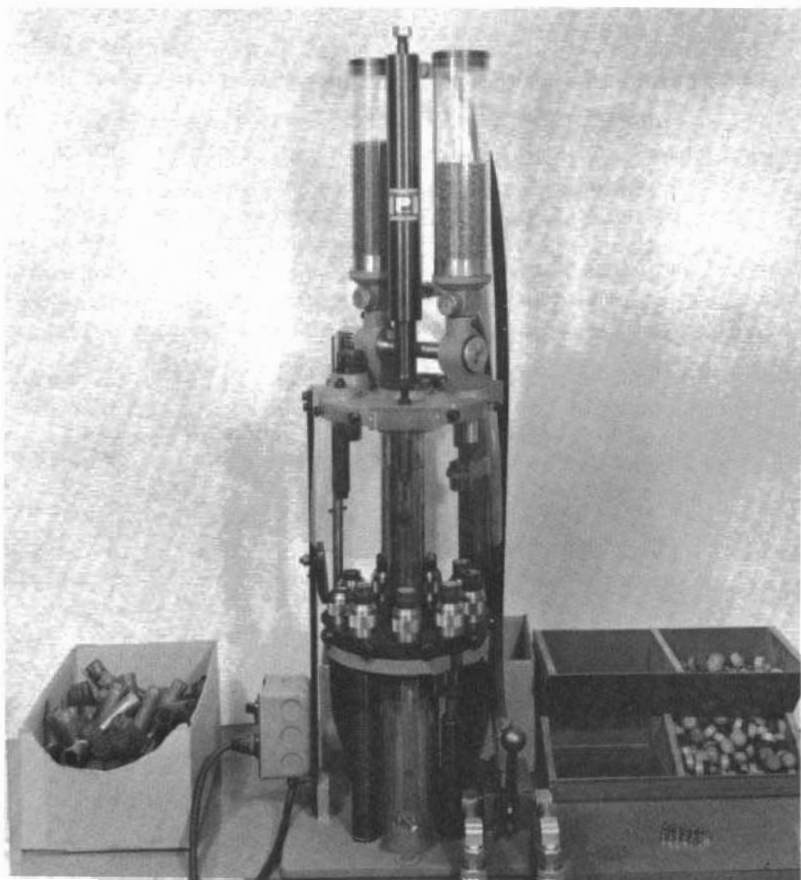
Station Eight: Crimp is made on case (either paper or plastic cases are crimped in one operation in this station).

Station Nine: Completed case is ejected on the upward movement of the movable platen, into container at the rear of the loader.

■ SUGGESTED LAYOUT

Efficient operation is dependent upon proper arrangement of components around the loader. The following suggested layout has been found to be the most convenient for all operators, both left and right handed.

Place a quantity of cases, sorted as to brand, condition and base wad height, in a container to the left of the loader. Place a Pacific Wad Dispenser, or other suitable container, with correct wads to the right of the loader and approximately 6" from the front of the loading bench. Place 100 of the proper size primers on the bench to the right of the loader and in front of the wad dispenser. With the hopper shutoffs in the closed position, fill the left hand hopper with the correct size shot and the right hand hopper with the correct type powder. Place a container, approximately 6" high and of adequate size to hold at least 100 shells, directly behind the loader to catch the loaded shells as they are ejected from the loader. You are now ready to begin actual reloading procedure.



■ OPERATING INSTRUCTIONS

Familiarize yourself with the operation of the Pacific Powermatic by operating it several times without inserting cases or turning on powder or shot. This will allow you to get the "feel" of the hydraulic control before beginning actual reloading operations. You will note that platen will stop in any position when you release the hydraulic control. If loader is stopped for any reason before stroke is completed, you *must* finish that stroke when operation is resumed. If stroke is not completed, damage to the loader may result.

In order to begin loading on the Pacific Powermatic, it is first necessary to place loader in cycle. This is accomplished very simply if the following steps are followed carefully.

1. Inspect installation to insure proper connection of hydraulic and electrical lines. Make sure plug is removed from hydraulic unit and breather is installed.
2. Check component layout to determine that correct components are in the proper place and shot and powder shutoffs are in the off position.
3. Turn on electrical switch and allow hydraulic unit to run for approximately 1 minute while all hydraulic connections are checked for leaks.
4. Pull operating lever back and hold until platen reaches top of stroke and pressure relief valve opens, release operating lever and platen will remain in the up position.

IMPORTANT NOTICE: Opening of the pressure relief valve, which is an integral part of the hydraulic unit, is accompanied by a noticeable *change in sound* from the power unit. It is necessary to hold operating lever engaged until the pressure relief valve opens on each stroke of the loader, both up and down. This insures uniform reloads by maintaining exactly the same pressure for every operation.

5. Place empty fired case on shell holder post and push operating lever forward and hold until platen reaches bottom of stroke and pressure relief valve opens.
6. Pull operating lever back as in step 4. Place empty case on shell holder post and push operating lever forward.
7. Pull operating lever back. Place empty case on shell holder post and proper size primer in primer post cup. Push operating lever forward to return platen to down position. Remember to hold operating lever until pressure relief valve opens on every stroke, both up and down.
8. Turn powder shutoff to on position and repeat step 7.

■ OPERATING INSTRUCTIONS (continued)

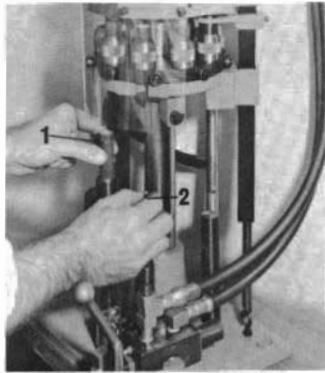
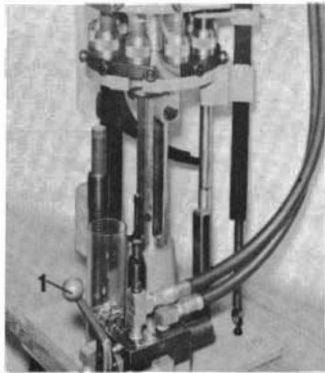
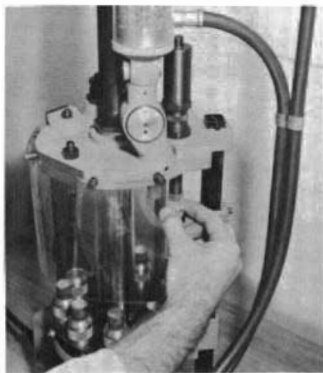
9. Place proper wad in wad guide and repeat step 7.

NOTE: Do not push wad down into wad guide as this will spread the spring fingers making it impossible for them to enter the case mouth and increasing the probability that the spring fingers will be broken.

10. Place proper wad in wad guide and repeat step 7.
11. Turn shot shutoff to on position and repeat step 10.
12. Place proper wad in wad guide, pull operating lever back, hold until platen reaches top of stroke and pressure relief valve opens. Place empty case on shell holder post and proper primer into primer post cup, push operating lever forward and hold until platen reaches full down position. Always remember to hold operating lever engaged until pressure relief valve opens, both on the upstroke and on downstroke.

The loader is now in cycle and ready for production loading. The illustrations below depict the three simple movements necessary for operation of the Pacific Powermatic.

CAUTION: After loading several shells, be sure to cut one or two shells open and check both shot and powder weights to make sure charge bar adjustment is as desired. This is an extremely important safety measure that should be taken when changing powder charges, and is recommended as a periodic safety check.



OPERATING THE POWERMATIC

1. With loader in starting position (motor running, platen in down position) operator places wad in wad guide.

2. Operator pulls hydraulic lever back (1) holding until platen reaches top of stroke, then releasing—platen will remain in up position. During this operation, the shell plate rotates automatically, ejecting a loaded shell as it goes. Then, simultaneously (in progressive positions) case is deprimed, powder is dropped, wads are seated at correct pressure, shot is dropped and a perfect crimp is made.

3. While platen is in up position, operator places case on shell holder post (1) and primer in primer post cup (2). Operator then pushes hydraulic lever forward holding until platen reaches down position, then releasing. During this operation, one casing is resized including head and rim, and another is primed. Operator then repeats steps 1 and 2.

■ ADJUSTMENT OF THE POWERMATIC

The Pacific Powermatic is hydraulically powered and first impression may be that it would be extremely difficult to adjust. This is not true. Adjustment of the Powermatic is no more difficult than conventional, manually powered loaders. The first step in adjusting, as on any loader, is to become completely familiar with proper adjustment procedures. Before making any adjustments, please read and thoroughly understand the following instructions.

Your Pacific Powermatic was completely adjusted and tested before leaving the factory. No adjustment should be needed when first placing the unit into operation.

We will cover the adjustment procedure by beginning with the two most frequently made adjustments—Wad Pressure and Crimp.

WAD PRESSURE: The Pacific Powermatic is designed to provide continuously adjustable wad pressure settings ranging from 30 to 100 lbs. Wad pressure is read on the scale that extends from the top of the wad pressure assembly, when case with powder and wads is in that station and platen is in the up position. With the platen in the up position, note the reading on the wad pressure scale and determine if more or less wad pressure is desired. Adjustment of the wad pressure must be done when the platen is in the down position. Return platen to down position after inserting empty case and proper primer in their respective positions. Adjustment is made by loosening lock nut (250-12) and threading wad pressure assembly up to decrease or down to increase wad pressure. One complete rotation of the wad pressure assembly is equal to approximately 10 lbs. pressure. When correct adjustment has been reached, tighten lock nut (250-12) to retain this adjustment.

CRIMP: There are two crimp die bodies furnished with your Pacific Powermatic, a standard crimper for use with fired paper cases and a double acting crimper for plastic cases. To change from one of these crimpers to the other, it is only necessary to remove the ¼" hair pin clip (9-G27) from the shaft that extends through the crimp die bushing (PM-62), remove the crimper, insert the other style crimper and replace the hair pin clip. Adjustment of the crimp die must be made when platen is in the down position. To adjust crimper for depth (either paper or plastic cases) loosen lock nut (250-12) on crimp die bushing (PM-62) and thread bushing down to deepen crimp or up to make a more shallow crimp. When correct adjustment has been determined, tighten lock nut.

NOTE: When double-acting crimp die is installed, it must be free to move up and down and also to rotate.

ADJUSTMENT (continued)

CHARGE BAR: The adjustment of the charge bar must be very precise in order to obtain safe, reliable reloads. To insure correct adjustment, it is necessary to have access to a high-quality powder scale such as the Pacific Deluxe Scale. Your Powermatic as received from the factory is adjusted for the load marked on the labels on the ends of the charge bar. This load should always be checked for weight, as there can be considerable variation between different lots of the same type powder or shot. To adjust charge bar for other charges, remove labels from end of charge bar. Turn shutoff valve (PM-78) to the off position (arrow in horizontal position). Loosen measure lock screw (CL-5) and lift off measure casting (PM-76). You will note that charge bar contains a full charge of both shot and powder. Adjustment can be made without emptying charge bar. Insert screw driver through charge until it bottoms on piston, rotate slowly until screw driver enters adjustment slot in piston. Loosen socket head set screw (PM-51 on shot and PM-52 on powder) located in the end of the charge bar. Thread adjustable piston up to decrease or down to increase charge. Tighten socket head set screw to retain setting. Replace measure casting, turn shutoff valve to open position (arrow in vertical position) operate loader several times to settle powder in hoppers, then weigh next charge dropped. If further adjustment is necessary, repeat above procedure until exact charge is secured.

SHELL HOLDER POST: The shell holder post performs a two-fold operation. It holds and aligns empty case while it enters size die and also serves as an anvil against which the head of the case is pressed during resizing. This post was correctly adjusted at the factory and unless the lock nut (SS-5) becomes loose, should never need adjustment. If adjustment becomes necessary, loosen lock nut (SS-5) on both shell holder post (PM-7) and platen stop (PM-14) and thread them down approximately 2 to 3 turns. With motor running, push operating lever forward to be sure that platen is in full down position. Adjust shell holder post up until case enters size die fully and is resized completely, including the rim of the case. With case still in position in station #1 and platen in full down position, adjust platen stop up until it contacts the bottom of the platen firmly. Lock both the shell holder post and platen stop in place by re-tightening lock nuts.

PRIMER SEATER: The primer seating assembly is adjusted at the factory and should require no further attention. To adjust primer seater assembly, loosen lock nut (SS-5) at bottom of base and thread entire base up or down to attain the correct adjustment. When correct adjustment has been reached, retighten lock nut. After height adjustment has been made, check primer post to make sure it is centered under the die. To check centering, make sure platen is in full down position, shut off electrical switch, remove size die that is in place directly over primer seating post. Place primer in cup and measure with calipers or dividers to make sure primer sits dead center under die. This correct alignment prevents concaving of case head from off-center primers.

WAD GUIDE BRACKET: Adjustment of the wad guide bracket (PM-43) allows it to be used with all types of wads. For use with one-piece wad column-shot protector combination wads, adjust wad guide so that when wad is seated on top of spring fingers, the wad pressure ram (PM-53) enters the shot protector approximately $\frac{1}{16}$ ". For Alcan Combo Wads or two-piece wad columns, wad guide bracket may be adjusted slightly lower to give more finger clearance. To adjust wad guide bracket (PM-43), loosen set screw in back of wad-guide bracket and slide bracket up or down as necessary. Retighten set screw to retain bracket in position.

CAUTION: Do not push wads down into wad guide as this will spread spring fingers making it impossible for them to enter case and causing breakage of the fingers.

■ ADDITIONAL INSTRUCTIONS AND INFORMATION

Due to the steel head construction of Remington and Peters high brass plastic hunting load cases, it is necessary to have a set of special size dies of larger diameter in order to load them on the Pacific Powermatic. Size dies furnished with the Powermatic are of the correct size for all target load plastic cases and for all paper cases including high brass hunting load cases.

Pacific Gunsight Company has available as an accessory for the Powermatic a six-point double-acting crimp die designed primarily for new paper cases. The six-point die can also be used on Winchester Plastic cases which have an original six-point crimp. The Winchester cases can be loaded more satisfactorily on the eight-point double acting crimp die that is supplied as standard equipment with the Powermatic.

Primers used in the Pacific Powermatic are an important factor. We have found the brands with a radius shoulder on the bottom of the battery cup to perform most satisfactorily. Brands that are oversized and those with an abrupt square shoulder and little taper in the battery cup body will occasionally catch in the primer pocket and have a tendency to seat at an angle, thereby concaving the head of the case. If an occasional case shows signs of a concaved head, it is due either to improper centering of the primer post or to the type primers being used.

After some use you may find slight seepage of hydraulic fluid at the unit. This is normal in all hydraulic systems and unless it becomes excessive is no cause for concern. Seepage at the threaded joints can be eliminated by removing line and using "Permatex Gasket Sealer" on the threads. Do not allow the "Permatex" to enter hydraulic system by using this sealer too freely.

A pin is located in the side of the Cam (PM-19). This pin serves as a stop pin limiting the travel of the cam and also as a shear pin to eliminate breakage of other parts of the loader if the turret should become jammed.

■ ADJUSTMENT INSTRUCTIONS (continued)

If one of these shear pins breaks, determine the cause and clear loader, then with small pin punch, tap broken portion out of cam and replace with spare that was supplied with the loader.

If during operation the Gear Rack (PM-59) is not returning completely to its stops, it is advisable to check for bind. This may be due to improper lubrication of the rack or looseness of charge bar housing (PM-73) caused by (PM-65) socket set screw being loose.

When changing powder types, turn shutoff valve to off position, loosen set screw and remove measure casting. Operate loader several times to clear charge bar of shot and powder. Place spout on measure casting over powder container and open shutoff valve to drain powder. If powder is poured from top of hopper, enough powder will remain in the shutoff valve to create, under some conditions, a dangerous overload of the next shell reloaded.

After making any adjustments on loader, always make sure that Turret (PM-39) is in its proper relative position before placing loader back into operation.

CHART TO CONVERT OZ. TO GRAINS

1 oz. =437.5 Grains

1½ oz.=492.2 Grains

1¾ oz.=546.9 Grains

1¾ oz.=601.6 Grains



1½ oz.=656.3 Grains

1¾ oz.=711.0 Grains

■ TROUBLE SHOOTING CHART

TROUBLE	CAUSE	CURE
1. Loaded case will not chamber or chambers hard.	<p>A. Cases loaded when damp.</p> <p>B. Cases picked up dampness after loading.</p> <p>C. Cases swelled from too much wadding.</p> <p>D. Weak cases.</p>	<p>A. Dry empty fired cases in oven for ten minutes at 200° before loading.</p> <p>B. Store cases in cool dry place.</p> <p>C. Consult charts for proper wad column and pressure or use Pacific Wad Column Indicator.</p> <p>D. Cases loaded too many times, walls will not support wad pressure. Discard cases.</p>
2. Blooper or Roar Outs.	<p>A. Powder not igniting properly.</p>	<p>A. Primer not hot enough. Change to hotter primer. Use only primer designed for case being loaded.</p> <p>B. Wad pressure insufficient. Check wad pressure frequently when loading.</p> <p>C. (continued)</p>

■ TROUBLE SHOOTING CHART (continued)

TROUBLE	CAUSE	CURE
		<p>C. Foreign matter over primer flash hole. Check cases for dirt or other foreign matter prior to loading.</p> <p>D. Cold lot of powder. Increase wad pressure or change to powder of another lot.</p>
<p>3. Loaded cases do not hold crimp.</p>	<p>A. Cases fatigued.</p> <p>B. Wad column too long.</p> <p>C. Incorrect crimp die adjustment.</p>	<p>A. Discard cases.</p> <p>B. Consult charts for proper wad column and pressure or use Pacific Wad Column Indicator.</p> <p>C. Adjust crimp die down. (See adjustment instructions.)</p>
<p> 4. Heads pulled off after firing.</p>	<p>A. Cases fatigued.</p>	<p>A. Discard cases.</p>
<p>5. Cases stick in size die.</p>	<p>A. Cases damp.</p> <p>B. Size dies dirty.</p> <p>C. Cases swelled from too much wadding.</p>	<p>A. See #1-A above</p> <p>B. Clean all size dies with Carbon Tet. or lighter fluid.</p> <p>C. See #3-B above.</p>
<p>6. Shell is not completely closed in center of crimp.</p>	<p>A. Crimp die adjusted too deep.</p> <p>B. Insufficient wadding.</p>	<p>A. See adjustment instructions and adjust crimp die up.</p> <p>B. See #1-C above.</p>
<p>7. Head of case is concaved.</p>	<p>A. Primer is of incorrect size.</p> <p>B. Primer seating post is adjusted too high.</p> <p>C. Primer seating post not centered under die.</p>	<p>A. Select correct size primers.</p> <p>B. Follow adjustment instructions and adjust primer post down.</p> <p>C. Follow adjustment instructions and center post under die.</p>
<p> 8. Head of case is bulged.</p>	<p>A. Case not being completely resized.</p> <p>B. Loader not being brought to full down position.</p>	<p>A. Follow adjustment instructions and adjust case anvil post up.</p> <p>B. Hold operating lever engaged until bypass valve opens. (See operating instructions.)</p>

NOTICE: Prices and/or specifications are subject to change without notice. Discontinued products may or may not have replacement parts available. Call for availability 800-338-3220.

POWERMATIC PARTS LIST

PART NO.	DESCRIPTION	RETAIL	PART NO.	DESCRIPTION	RETAIL
PM-2	Base.....	\$ 31.20	PM-35*	3/8" Dia. Steel Ball	\$.30
PM-3	Column.....	20.80	PM-36*	Detent Spring.....	.20
PM-4*	3/8"x2 1/2"		150-26*	1/4x1 1/2 Roll Pin .....	.30
	Roll Pin.....	.30	PM-37	Bearing.....	1.60
PM-5*	Spiro-Lox.....	.30	PM-38	Bearing Bolt.....	.50
SS-5*	5/16-18 Jam Nut .....	.20	DCT-7*	Bearing Spacer.....	.20
PM-7	Case Anvil Post.....	4.80	PM-39	Turret.....	24.00
PM-8	Case Anvil Spring.....	.50	PM-40	Size Die.....	4.80
PM-9	Case Anvil Cup .....	.90	PM-41	Wad Guide Bracket	
PM-10	Primer Catcher Base.....	2 00		Post.....	3.20
110-19	Primer Catcher Tube.....	2.00	PM-42	Wad Guide Bracket	
PM-11	Primer Seating Base.....	4.80		Spring.....	.50
350-67*	1/4-20 Hex Nut.....	.20	PM-43	Wad Guide Bracket	2.40
PM-12	Primer Seating Post .....	.80	PM-44	Wad Guide Bracket	
350-25	Primer Seating Spring ...	.20		Sleeve	1.60
PM-13*	Primer Seating Cup.....	1.30	1-2-300-22*	Spring Finger.....	1.00
PM-14*	Platen Stop.....	3.50	250-21	Wad Guide Cap.....	1.60
PM-15	1/4-20x1" Eye Bolt.....	.30	PM-46	Die Head	28.80
PM-16*	Stabilizer Post.....	4.50	PM-47	Shield	1.60
2-300-89*	1/4x1 Roll Pin.....	.10	350-68	10-32x 1/2 Pan	
PM-17	Cam Mounting Bar.....	9.60		Head Screw .....	.10
PM-18	1/4-20x 3/4 Hex Head		PM-48	Design Plaque.....	.70
	Cap Screw.....	.20	9-E14*	Drive Screw .....	.20
PM-19	Cam.....	11.20	PM-49*	1/4-28 x 3/16 Socket	
PM-20*	Cam Return Spring .....	.20		Set Screw .....	.20
PM-21*	Shear Pin .....	.30	PM-50	Primer Extractor Body ...	4.80
PM-22	Cam Mounting Bolt.....	1.50	350-73	3/16 Jam Nut .....	.20
PM-23*	1/4" Med. Lock Washer...	.20	PM-51*	1/4-20x1 Socket	
PM-24*	Cam Spacer.....	1.00		Set Screw .....	.30
PM-26	Platen.....	20.80	PM-52*	1/4-20x 3/8 Socket	
PM-27*	Turret Hub	6.40		Set Screw .....	.20
PM-28*	Hub Nut	2.60	PM-53	Wad Pressure Ram.....	5.60
PM-29*	Spiro-Lox.....	.50	PM-54*	Wad Pressure Bushing ...	7.10
150-20*	Knurled Lock Screw.....	.50	250-24*	Wad Pressure Spring .....	.40
PM-30*	Shell Chute.....	5.60	PM-55*	Wad Pressure Spring	
PM-31	Cross Pin.....	3.10		Housing	3.50
350-58*	"E" Clip .....	.20	PM-56	D.A. Crimp Die.....	2.90
PM-32*	Stabilizer Bushing.....	4.00	PM-57*	D.A. Crimp Plunger.....	2.60
PM-33*	Spiro-Lox.....	.30	2-300-28*	Crimp Die Spring.....	.40
250-12*	Lock Nut.....	.90	9-G27*	1/4" Hair Pin Clip.....	.20
9-D12*	10-32x3/16		PM-58	Shell Knock Out Punch ...	3.40
	Set Screw .....	.20	PM-59	Gear Rack.....	7.70
PM-34*	3/8-16x1/2		150-32	3/16 x 1 Roll Pin.....	.20
	Set Screw .....	.20	PM-60*	Rack Spring.....	.20

PART NO.	DESCRIPTION	RETAIL
PM-61*	3/16 x 1/2 Roll Pin	\$.20
PM-62	Crimp Die Bushing .....	.80
PM-63*	Crimp Die Spring Cap	1.00
PM-64	Charge Bar	25.60
PM-65*	1/4-20 x 1 1/4 Socket Sets .....	.30
PM-66*	1/8" Allen Wrench .....	.20
PM-67*	Shot Piston	1.90
PM-68*	Powder Piston	1.60
PM-70*	Spiro-Lox .....	.30
PM-71	Drop Tube	1.50
PM-73	Charge Bar Housing	6.40
PM-74*	1/4-20 x 1 3/4 Hex Head Cap .....	.30
PM-75*	10-32 x 1/2 Hex Head Cap .....	.20
CL-5*	Measure Lock Screw .....	.30
PM-77	Shot or Powder Measure	6.10
PM-78	Shutoff Valve	2.60
PM-79*	Spiro-Lox .....	.20
PM-80*	Spiro-Lox .....	.20
PM-82	Hopper Tube	3.90
PM-83	Hopper Cap	1.20
PM-84*	Rod Trunion	4.20
PM-85*	Cylinder Rod	7.50
PM-86*	Cylinder Piston	3.40
250-74*	1/2" Hex Nut .....	.20
PM-87*	"O" Ring	1.30
PM-88*	Lthr. B.U.W. ....	.60
PM-89	Cylinder Lock Nut	2.40
PM-90	Cylinder Head	9.00
PM-91*	Spiro-Lox .....	.30
PM-92*	Bronze Rod Bushing	2.90
PM-93*	"O" Ring	1.30
PM-94*	"O" Ring	1.10
PM-95*	Lthr. B.U.W. ....	.50
PM-96*	Spiro-Lox .....	.30
PM-99*	Cylinder Tube Assy.	16.00
PM-100*	1/4" 1 Brd. 41 1/2" Hose ...	9.00
PM-101*	1/4" 1 Brd. 31 1/2" Hose ...	7.40
PM-102	Hose Clamp	\$.70

PART NO.	DESCRIPTION	RETAIL
PM-103*	1/4" NPT Brass Pipe Plug .....	.50
PM-104*	1/4" NPT Brass Tee	1.10
PM-105*	1/4" NPT x 1 1/2 Brass Nipple .....	.80
PM-106*	1/4" NPT 90° Elbow	1.00
PM-107	1/4" NPT x 2" Brass Nipple	1.00
PM-108	Hydraulic Valve	82.00
PM-109	Quick Coupler	15.20
PM-110*	3/8" 1 Brd. 54" Hose	12.20
PM-111*	3/8" 1 Brd. 54" Hose	12.20
PM-112*	Hydraulic Unit	310.40
PM-113*	5/16" Allen Wrench .....	.50
150-17*	5/16-18 x 3/4 Hex Head Cap Screw .....	.50
P9-K21*	5/16 Flat Washer .....	.20
PM-115*	Motor Mount	10.90
PM-116*	Box Connector .....	.30
PM-117*	3/8" NPT Plastic Pipe Plug .....	.20
PM-118*	6' Power Cord w/Plug	2.10
PM-120*	Switch Box	1.60
PM-121*	Switch Box Cover .....	.40
PM-122*	Switch/Outlet Comb.	1.80
PM-123*	3/16 x 1/2 Truss Head Rivet .....	.20
PM-124*	8 Pt. D.A. Crimp Die Body	4.80
PM-125*	8 Pt. D.A. Crimp Plunger	3.70
PM-126*	Locating Spring Finger ...	.30
9-A20*	3-48 x 1/4" Slot Head Set Screw .....	.20
PM-129*	Splice Cap .....	.20
PM-130*	Insulator .....	.20
PM-150*	Hyd. Oil (5 Pts. Per Unit)	1.30 Pt.
PM-500*	Powermatic Loader, Complete	469.00
OPTIONAL ACCESSORY		
PM-1600*	Hyd. Press Gauge	\$ 52.50

*NOT SHOWN

