



# PACIFIC

## MODEL **DL-250** LOADER

You are now the owner of the finest precision reloading tool available. By following the procedures set forth in these instructions and by keeping your loader clean and properly lubricated, you will realize many years of enjoyable trouble free reloading.

### ADJUSTMENT AND OPERATING PROCEDURE

Before attempting to follow the instructions on loading procedure, some preloading preparations must be made.

1. Mount your DL-250 loader securely to a sturdy bench. When mounting be sure the loader is mounted so that the handle may be pushed all the way down to the stops without hitting on bench. Mount loader so you will have at least 16 to 18 inches of clear bench space on each side of loader.

2. Sort cases as to brand and type (high base, low base, etc.). Cases should also be checked for defects such as base wad burned or blown out, split shell head, frayed or thin mouths, and holes burned through outside. Defective cases should be discarded

or destroyed. Place a supply of these sorted cases in a shallow container to the left of loader.

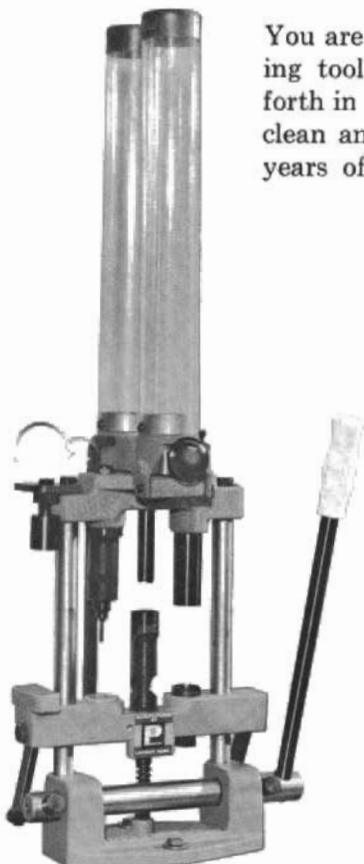
3. Place proper size primers on bench to the left of loader.

4. Determine proper wad column from charts, reloading manual or other source, and place proper wads in dispenser on the right hand side of loader.

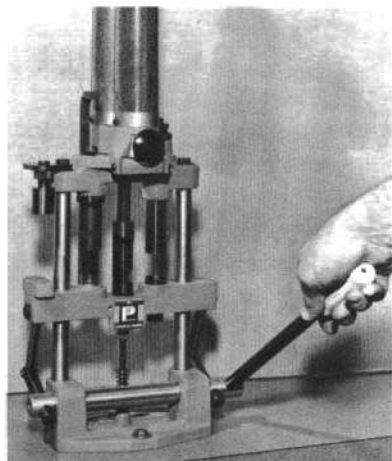
5. Make sure the desired charge bushings are in the charge bar.

6. With the charge bar pushed all the way to the rear, place the proper powder in the rear hopper, place proper size shot in front hopper.

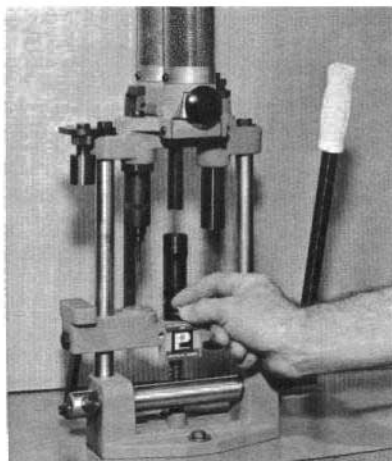
*You are now ready to begin loading.*



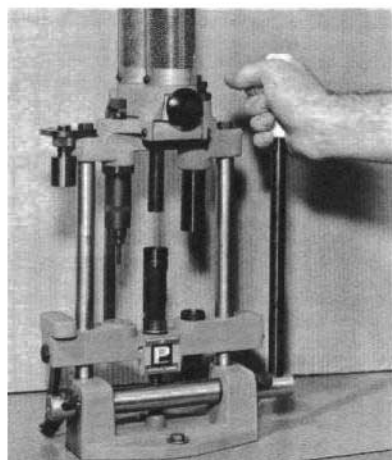
# OPERATING PROCEDURE



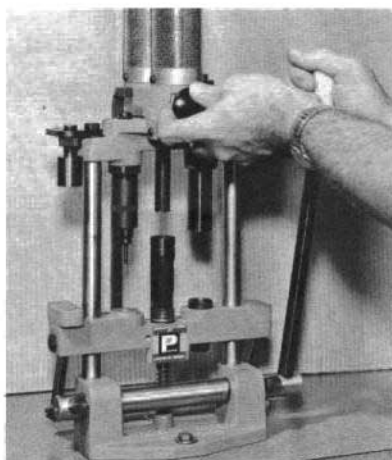
1. Place shell to be loaded into resizing-decapping die and move operating lever down until it hits stop. This deprimers and full length resizes the case. Return operating handle to full up position. This removes shell from resizing die.



2. With operating lever in neutral up position place proper size primer, base down into hole provided wad guide base.

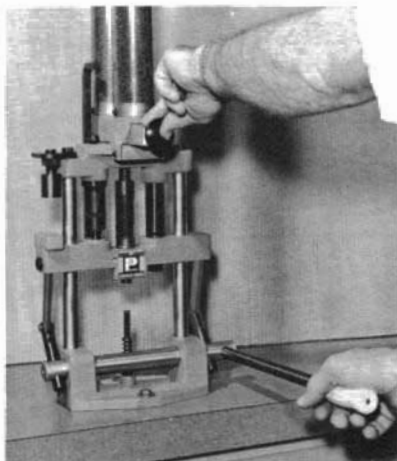


3. Place resized case into wad guide body and move operating handle to full up position. It is advisable to hold case with thumb to back of wad guide when seating primer. Check first few cases to make sure base is not being concaved. Adjust if necessary.

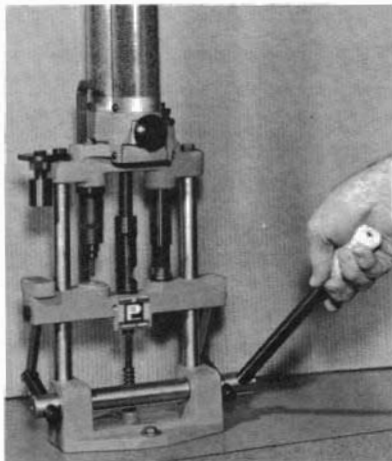


4. Pull charge bar knob towards you until it hits stop. This operation drops proper amount of powder into case. Place proper wad column into wad guide cap and seat wads all at one time by moving operating handle down until it hits stop.

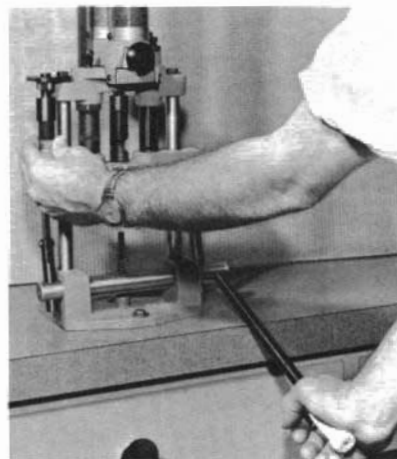
# OPERATING PROCEDURE



5. Return charge bar by pushing in knob until it hits stop, this drops proper amount of shot. Return operating handle to up position, and remove case from wad guide body and place into shell holder.



6. Move operating handle down until it hits stop. This operation forms a perfect crimp. Return operating handle to up position and remove the finished shell.



7. If taper-loc is desired, place shell into Taper-Loc Die and move operating handle down until it hits stop. This forms a perfect taper-loc on shell.

## CHARGE BAR BUSHINGS

The DL-250 loader incorporates bushing inserts located in the charge bar. This eliminates the necessity of buying a different charge bar when a new load is desired. Bushings are available in all popular loads, see chart on back page.

### CHANGING BUSHINGS

1. Remove charge bar knob (9-W14) and charge bar stop screw (250-36).
2. Release hopper latch (350-85) and tip hoppers forward. Care must be exercised to prevent the weight of the shot in measure hoppers (300-41) from forcing the cap from the hopper.
3. Pull bar out of measure exposing bushings.\*
4. Remove bushings and replace with charge bushings of your choice. Replace charge bar stop screw, tilt hoppers back to upright position and replace charge bar knob.

\* The Powder bushing and shot bushing are of different outside diameters, eliminating the possibility of interchanging, which would cause an extremely dangerous condition.

# ADJUSTMENT PROCEDURE

## NOTE

When ordered equipped with 23 grains or 21 grains Red Dot bushing and 1 $\frac{1}{8}$  oz. shot bushing, your DL-250 will be factory adjusted.

## IMPORTANT

Always place operating lever in full down position against stops before making any adjustments to your loader; except when adjusting for primer seating depth. Be sure lever is in full up position.

### 1. Adjustment of Sizing Die

Sizing die is factory adjusted and needs no further adjustment. If the sizing die should come out of adjustment, proceed as follows:

Move operating handle (250-38) to full down position until it hits stop. Loosen locking nut (250-12) on size die (250-11). Adjust size die down until it hits base of movable platen (250-2). Tighten lock nut.

### 2. Adjustment Primer Seating Depth

Be sure primer post (250-15) is not concaving head of shell. Primer post can be readily adjusted to seat primer flush with head of case by either raising or lowering primer post, which ever is needed. Caution must be taken so not to exert pressure on head of case.

### 3. Adjustment of wad pressure

You will note that the wad pressure is calibrated from 30 to 100 pounds on the back of wad guide body (250-23). Before reading can be taken, the operating handle (250-38) must be in down position against stops and shell with proper wad column in wad guide body. Any adjustments are made by threading drop tube (250-19) down to increase, or up to decrease pressure. This can be easily done by using a dime in the slot provided in drop tube.

**NOTE:** The drop tube is free floating-self centering, do not attempt to overtighten.

### 4. Adjustment of Crimp Die

This adjustment will vary with the brand and condition of the case being used and when adjusted properly, will produce a perfect, uniform crimp. To increase depth of crimp, loosen lock nut (250-12) and screw bushing (250-26) down to increase checking depth of crimp after each adjustment.

### 5. Optional: Adjustment of Taper-Loc Die

Place shell with conventional crimp into taper-loc die. Rotate operating handle down to complete stop. Remove shell and note amount of taper on crimp. Any adjustment can be made by screwing the die up or down in the accessory bracket. Tighten lock nut.

**NOTE:** To increase the amount of taper, you must also increase the depth of crimp.

Pacific Gun Sight Company cannot assume any liability for damage which may result from the use of the products or information given herein. This is necessary because Pacific Gun Sight Company has no control over the manner in which products or components are used in the reloading operation.

# CHAR BUSHING CHART

Factory Load Equivalent	Case Length	Grain Weight Powder	Oz. of Shot	Wad Pressure	Type of Load	Factory Load Equivalent	Case Length	Grain Weight Powder	Oz. of Shot	Wad Pressure	Type of Load		
2 1/4 Dr	1 1/8 oz.	2 1/4"	21 Red Dot	1 1/8	80	12 Gauge Target Load	2 3/4 Dr	1 1/8 oz.	2 3/4"	23.5 P.B.	1 1/8	50	16 Gauge Hunting Load
2 3/4 Dr	1 1/8 oz.	2 3/4"	22.5 Win. # 450 LS	1 1/8	70	12 Gauge Target Load	3 Dr	1 1/8 oz.	2 3/4"	24 P.B.	1 1/8	50	16 Gauge Hunting Load
2 3/4 Dr	1 1/8 oz.	2 3/4"	21 Hi-Skor	1 1/8	50	12 Gauge Target Load	3 1/4 Dr	1 1/8 oz.	2 3/4"	31 Win. # 540 MS	1 1/8	70	16 Gauge Hunting Load
2 3/4 Dr	1 1/8 oz.	2 3/4"	23 TRAP 14	1 1/8	60	12 Gauge Target Load	2 3/4 Dr	1 1/8 oz.	2 3/4"	23 Win. # 500 HS	1 1/8	70	16 Gauge Hunting Load
3 Dr	1 1/8 oz.	2 3/4"	23 Red Dot	1 1/8	80	12 Gauge Target Load	3 Dr	1 1/8 oz.	2 3/4"	27 AL-7	1 1/8	90	16 Gauge Hunting Load
3 Dr	1 1/8 oz.	2 3/4"	23.5 Win. # 450 LS	1 1/8	70	12 Gauge Target Load	3 Dr	1 1/8 oz.	2 3/4"	20 TRAP 14	1 1/8	60	16 Gauge Hunting Load
3 Dr	1 1/8 oz.	2 3/4"	20 AL-101	1 1/8	60	12 Gauge Target Load	3 1/4 Dr	1 1/8 oz.	2 3/4"	28 Herco	1 1/8	90	16 Gauge Hunting Load
3 Dr	1 1/8 oz.	2 3/4"	17 Super M	1 1/8	75	12 Gauge Target Load	3 1/4 Dr	1 1/8 oz.	2 3/4"	30 Win. # 540 MS	1 1/8	70	16 Gauge Hunting Load
3 Dr	1 1/8 oz.	2 3/4"	22 Hi-Skor	1 1/8	50	12 Gauge Target Load	3 1/2 Dr	1 1/8 oz.	2 3/4"	37 AL-8	1 1/8	90	16 Gauge Hunting Load
3 Dr	1 1/8 oz.	2 3/4"	27 TRAP 14	1 1/8	60	12 Gauge Target Load							
3 1/4 Dr	1 1/8 oz.	2 3/4"	30 AL 5	1 1/8	90	12 Gauge Hunting Load	2 3/8 Dr	1 1/8 oz.	2 3/4"	14 AL-101	3/4	60	20 Gauge Target Load
3 1/4 Dr	1 1/8 oz.	2 3/4"	24.5 Win. # 450 LS	1 1/8	70	12 Gauge Hunting Load	2 3/8 Dr	1 1/8 oz.	2 3/4"	16 Red Dot	3/4	80	20 Gauge Target Load
3 1/4 Dr	1 1/8 oz.	2 3/4"	28 TRAP 14	1 1/8	60	12 Gauge Hunting Load	2 1/4 Dr	1 1/8 oz.	2 3/4"	16 Win. # 450 LS	3/4	70	20 Gauge Target Load
3 1/4 Dr	1 1/8 oz.	2 3/4"	33 AL 5	1 1/8	90	12 Gauge Hunting Load	2 1/4 Dr	1 1/8 oz.	2 3/4"	20 P.B.	3/4	50	20 Gauge Target Load
3 3/4 Dr	1 1/8 oz.	2 3/4"	35.5 Win. # 500 HS	1 1/8	70	12 Gauge Hunting Load	2 1/4 Dr	1 1/8 oz.	2 3/4"	19 TRAP 14	3/4	60	20 Gauge Target Load
3 3/4 Dr	1 1/8 oz.	2 3/4"	33 Herco	1 1/8	90	12 Gauge Hunting Load	2 1/2 Dr	1 oz.	2 3/4"	20 Win. # 500 HS	1	70	20 Gauge Hunting Load
3 3/4 Dr	1 1/8 oz.	2 3/4"	25 Unique	1 1/8	50	12 Gauge Hunting Load	2 1/2 Dr	1 oz.	2 3/4"	24 AL-7	1	90	20 Gauge Hunting Load
3 3/4 Dr	1 1/8 oz.	2 3/4"	33 P.B.	1 1/8	50	12 Gauge Hunting Load	2 1/2 Dr	1 oz.	2 3/4"	20 SR 7625	1	50	20 Gauge Hunting Load
Short Mag.	1 1/2 oz.	2 3/4"	38 AL-7	1 1/2	90	12 Gauge Hunting Load	2 3/4 Dr	1 oz.	2 3/4"	25 Win. # 540 MS	1	70	20 Gauge Hunting Load
4 Dr	1 1/2 oz.	2 3/4"	40.5 Win. # 540 MS	1 1/2	70	12 Gauge Hunting Load	2 1/4 Dr	1 oz.	2 3/4"	19 TRAP 14	1	60	20 Gauge Hunting Load
4 Dr	1 1/2 oz.	2 3/4"	38 Herco	1 1/2	90	12 Gauge Hunting Load	3 Dr	1 1/8 oz.	2 3/4"	25 Win. # 540 MS	1 1/8	70	20 Gauge Hunting Load
4 Dr	1 1/2 oz.	2 3/4"	35 Herco	1 1/2	90	12 Gauge Hunting Load	3 Dr	1 1/8 oz.	2 3/4"	32 AL-8	1 1/8	90	20 Gauge Hunting Load
4 Dr	1 1/2 oz.	2 3/4"	43 SR 4756	1 1/2	70	12 Gauge Hunting Load	3 Dr	1 1/8 oz.	2 3/4"	26 SR 4756	1 1/8	50	20 Gauge Hunting Load
Short Mag.	1 1/2 oz.	2 3/4"	35 AL-7	1 1/2	90	12 Gauge Hunting Load	Max.	1 1/4 oz.	3"	27 Win. # 540 MS	1 1/4	70	20 Gauge Magnum
4 1/4 Dr	1 1/2 oz.	2 3/4"	39.5 SR 4756	1 1/2	70	12 Gauge Hunting Load	Max.	1 1/8 oz.	3"	33 AL-8	1 1/8	85	20 Gauge Magnum
4 3/8 Dr	1 3/8 oz.	3"	40 AL-7	1 3/8	90	12 Gauge Magnum	2 1/4 Dr	3/4 oz.	2 3/4"	21 Win. # 540 MS	3/4	70	28 Gauge Hunting Load
4 1/4 Dr	1 3/8 oz.	3"	41.5 Win. # 540 MS	1 3/8	70	12 Gauge Magnum	2 1/4 Dr	3/4 oz.	2 3/4"	23 AL-8	3/4	75	28 Gauge Hunting Load
4 1/4 Dr	1 3/8 oz.	3"	43.5 SR 4756	1 3/8	70	12 Gauge Magnum	2 1/4 Dr	3/4 oz.	2 3/4"	17 P.B.	3/4	50	28 Gauge Hunting Load
Max.	1 3/8 oz.	3"	39 Win. # 540 MS	1 3/8	70	12 Gauge Magnum	Max.	3/2 oz.	2 3/4"	40 IMR 4227	3/4	50	28 Gauge Hunting Load
Max.	1 3/8 oz.	3"	47 AL-8	1 3/8	90	12 Gauge Magnum	Max.	1/2 oz.	2 1/2"	15 Herc 2400 Rifle	1/2	50	410 2 1/2 Hunting Load
Max.	1 3/8 oz.	3"	40.5 SR-4756	1 3/8	70	12 Gauge Magnum	Max.	1/2 oz.	2 1/2"	12 SR 4756	3/4	30	410 2 1/2 Hunting Load
2 1/2 Dr	1 oz.	2 3/4"	17 AL-101	1	60	16 Gauge Target Load	Max.	3/4 oz.	3"	16 Herc 2400 Rifle	3/4	50	410 3 Hunting Load
2 1/2 Dr	1 oz.	2 3/4"	18 Red Dot	1	80	16 Gauge Target Load	Max.	1/4 oz.	3"	18.5 IMR 4227	3/4	100	410 3 Hunting Load
2 1/2 Dr	1 oz.	2 3/4"	19 Win. # 450 LS	1	70	16 Gauge Target Load							
2 1/2 Dr	1 oz.	2 3/4"	23.5 P.B.	1	50	16 Gauge Target Load							
2 3/4 Dr	1 oz.	2 3/4"	26 AL-5	1	90	16 Gauge Target Load							

### IMPORTANT

The same shot and powder bushings are used in the .410, .450, .500, and .550.

They are designed with different outside diameters, and must be inter-

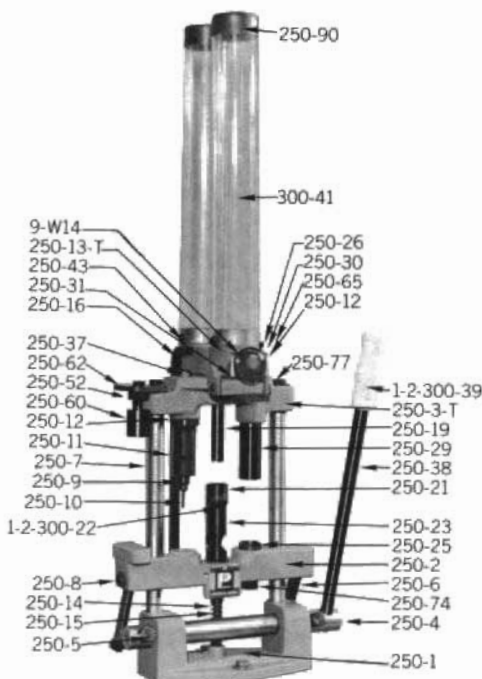
## IMPORTANT

The same shot and powder bushings are used in the DL-150, 250, and 350.

They are designed with different outside diameters, and cannot be interchanged in the charge bar, as it would cause an extremely dangerous condition.

# PARTS PRICE LIST

PART NO.	DESCRIPTION	LIST PRICE
250-1	Base Casting	\$ 6.40
250-2	Moveable Platen	8.80
250-3-T	Die Head	9.60
250-4	Pivot Shaft	4.80
250-5	Eccentric Arm	1.60
250-6	Link	1.00
250-7	Guide Post	3.00
250-8	End Screw	.80
250-9	*Eject Punch	2.00
250-10	*Deprime Pin	.80
250-11	*Size Die Body	4.80
250-12	Bushing Lock Nut	.40
250-13-T	Measure Casting	6.40
250-14	Primer Seater Spring	.20
250-15	Primer Post	.80
250-16	Eject Bar	2.20
250-17	Screw 10-32x $\frac{3}{4}$ (not shown)	.20
250-19	*12 ga. Drop Tube	2.40
250-20	Allen Wrench (not shown)	.20
250-21	*11 ga. Wad Guide Cap	1.60
1-2-300-22	*Spring Fingers	1.00
250-23	*Wad Guide Body	6.80
1-2-300-24	Wad Pressure Spring (not shown)	.40
250-25	Shell Holder	2.00
250-26	*Crimp Die Bushing	1.60
2-300-28	*Crimp Die Spring	.40
50-29	Crimp Die Sleeve	3.00
50-30	*Crimp Plunger	1.80
250-31	Charge Bar	4.40
250-32	Shot Bushing (not shown)	1.60
250-33	Powder Bushing (not shown)	1.60
9-W14	Charge Bar Knob	.20
250-35	Charge Bar Knob Stud (not shown)	.20
250-36	Charge Bar Stop, Screw (not shown)	.20
250-37	w/8-16-Shell Lock Eject Nut	.20
250-38	Operating Lever	1.60
1-2-300-39	Lever Grip	.20
300-41	Measure Hoppers	1.90
250-43	Hopper Screw 10-32x $\frac{3}{4}$ S.T.	.10
1-300-47	Measure Baffle (not shown)	.20
250-49-T	Measure Plate (not shown)	.60
1-300-50	Measure Seals	.10
250-52	Accessory Lock Nut	.80
350-56	10-32 Hex Nut	.20
350-57	10-32x2 $\frac{3}{4}$ R. H. Screw	.20
250-60	*Taper-Loc Die	2.60
250-62	Accessory Bracket	1.20
250-65	5/16-19 Hex Nut	.10
2-300-70	5/16-18x $\frac{1}{2}$ Socket Set Screw (not shown)	.20
1-2-300-72	$\frac{3}{8}$ Lock Washer	.10
250-74	$\frac{1}{2}$ -20 Hex Nut	.20
250-75	3/16x $\frac{1}{2}$ Sel. Loc Roll Pin (not shown)	.10



PART NO.	DESCRIPTION	LIST PRICE
250-77	w/8-16x $\frac{3}{4}$ Hex Hd. Bolt	\$ .30
350-85	Hopper Latch	.70
350-86	Latch Spring	.10
350-87	$\frac{1}{8}$ x $\frac{3}{4}$ Sel. Loc Roll Pin	.20
250-88	$\frac{3}{8}$ " Flat Washer	.10
250-90	Hopper Cap	.20
250-91	w/8x $\frac{3}{4}$ Sel. Loc Roll Pin (not shown)	.10
2-300-89	$\frac{1}{4}$ x1 Sel. Loc Roll Pin	.10
250-92	$\frac{3}{8}$ x1 $\frac{1}{4}$ Sel. Loc Roll Pin	.20
250-94	6-32x $\frac{3}{4}$ Flat Head Screw	.10
250-95	$\frac{3}{8}$ -16x2 $\frac{1}{2}$ H.H. Bolt	.20
250-96	Wad Guide "E" Clip (not shown)	.20
250-100-T	Assembly Complete	99.50
*DL-250 Die Sets Complete		32.50
8 Segment Plastic Crimper 12 Ga. Only		4.50
6 Segment New Paper Case Crimper 12, 16, and 20 Ga.		4.50

**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.



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