

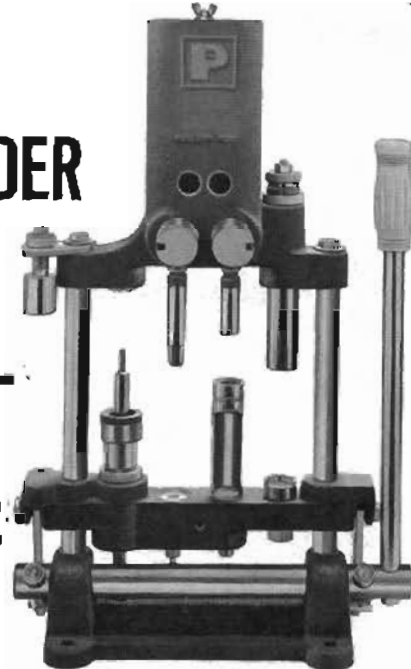


Model DL-200 LOADER

SHOT SHELL

COMPLETE ADJUSTMENT AND OPERATING PROCEDURE

You are now the proud owner of one of the finest shot shell loaders on the market. By following the procedures outlined in this folder you will realize many years of enjoyment and trouble-free reloading. First mount your DL-200 loader securely on a sturdy bench. Poor results may be experienced if this instruction is not followed.



(a). Suggest use of 4 lag screws or 4 1/4" stove bolts.

NOTE When ordered equipped with a 23 grain or 21 grain Red Dot Bar and 1 1/8 oz. shot bar, your DL-200 will be factory adjusted to load Low Base Winchester Trap Load Cases.

For other loads follow adjustment procedures listed on the following page.

Check to make sure that the Powder Charge Bar (200-31) is installed in the hole provided on the left side of the Hopper Casting (200-3) and the Shot Charge Bar (200-32) is installed in the hole provided on the right side of the Hopper Casting (200-3). Fill the left hand hopper with the proper grade of powder for the type of load desired and fill the right hand hopper with the desired size of shot.

OPERATING PROCEDURES

- CAUTION:** Before reloading shells that you may have picked up, remember, they might have been discarded after several firings. Each shell should be carefully examined both inside and out. Any shells found defective should be discarded or destroyed.
- A. Any shell having two piece base wad construction, in which one of the pieces has burned through or blown out.
 - B. Split shell head.
 - C. Thin mouths.
 - D. Charred area in paper body along the body seam or at the top of the brass head.
 - E. A loose body, one that has started to pull out of the brass head.
 - F. Swelled head.

STEP #1

Sizing the entire length of case including rim and removing old primer.

- (a). Place case in Sizing Die (200-11) open end down.
- (b). Rotate Operating Lever (200-38) to the full down position against the stops and release.

NOTE As the Operating Lever (200-38) is released the Decap Pin (200-10) will punch out old primer. To eject case from Sizing Die (200-11) a slight increase in upward force will have to be exerted on the Operating Lever (200-38). This force will decrease after six or eight cases have been sized. When sizing High Brass and Remington or Peters Trap Load Cases, use over size (full knurl) sizing ring furnished for this purpose.

STEP #2

Installation of new primer and Powder Charge.

- (a). Place new primer in the hole provided on Primer Disc (200-16).
- (b). Slip case over Powder Drop Tube (200-19) and rotate Operating Lever (200-38) to the full down position against the stops.

NOTE This operation seats the primer.

- (c). While holding the Operating Lever (200-38) in the full down position, depress the Powder Charge Bar (200-31). Hold bar in momentarily to insure a full powder charge, then release.
- (d). Allow the Operating Lever to return to the full up position.

NOTE Certain powders will cause bar to stick in, and it is necessary to push on Bar Guide Rod to return. Be sure to clean all oil film from Bar hole before installing Charge Bar.

STEP #3

Installation of wads and compressing wads with the required pressure.

- (a). Tip Case slightly and place case in Wad Guide Body (200-23).

- (b). Place the required type and size wads in the Wad Guide Cap (200-21). ALL WADS MUST BE SEATED AT ONE TIME, BEFORE SHOT IS CHARGED.

- (c). Rotate Operating Lever (200-38) to the full down position against the stops.

NOTE This operation compresses the wads with the proper pressure as indicated on the back of the Wad Guide Body (200-23).

- (d). Depress Shot Charge Bar (200-32). Hold bar in momentarily, to insure a full charge of shot, then release.

- (e). Allow Operating Lever (200-38) to return to the full up position.

NOTE When loading shot of sizes larger than #6, rotate the Operating Lever (200-38) part way up until (200-20) Shot Drop Tube is level with the top of 200-21. Then depress the Shot Charge Bar (200-32) slowly. This allows the large sizes of shot to drop in the case a few at a time. This method will eliminate the jamming of the large size shot in the drop tube.

STEP #4

Final sizing and crimping of case.

- (a). Place case in Shell Holder (200-25).
- (b). Rotate Operating Lever (200-38) to the down position against the stops and release.
- (c). Remove completed shell and check for overall appearance.

STEP #5

Installing Taper-Loc on conventional crimp.

- (a). Place shell with conventional crimp into Taper-Loc Die (200-60).
- (b). Rotate Operating Lever (200-38) to down position against the stops and release.
- (c). Remove and note the amount of taper on crimp.

NOTE The Taper-Loc Die can be adjusted by screwing Die up or down in bracket. Be sure to tighten the Lock Nut when desired adjustment is made.
REMEMBER: In order to increase amount of taper, you must also increase the depth of the crimp.

ADJUSTMENT PROCEDURES

NOTE Your DL-200 has been factory adjusted to load Low Brass Winchester Trap Load Cases.

IMPORTANT: Always place Operation Lever (200-38) in the full down position against stops before making any adjustments to your loader.

1. ADJUSTMENT OF SIZING DIE (200-11)

(a). Sizing Die (200-11) has been factory adjusted and needs no further adjustment.

NOTE If the Sizing Die (200-11) should come out of adjustment proceed as follows:

- Hold Sizing Die (200-11) and loosen Sizing Die Lock Nut (200-12).
- Hold Operating Lever (200-38) in the full down position against stop with right hand.
- With left hand screw Sizing Die (200-11) up so that the top of Sizing Die just contacts Case Anvil (200-13).
- Bring Operating Lever (200-38) to the full up position.
- Hold Sizing Die (200-11) and tighten Sizing Die Lock Nut (200-12) to retain adjustment.

2. ADJUSTMENT OF POWDER DROP TUBE (200-19).

NOTE The Powder Drop Tube serves as a funnel to guide the powder charge into the case as well as seating the primer. The Powder Drop Tube should be adjusted to seat the primer flush with the base of the case without undue pressure. This adjustment will vary with the brand of case being used.

- Hold Powder Drop Tube (200-19) and loosen Drop Tube Lock Nut (200-18).
- Place a spent case, of the brand to be loaded, on the Primer Disc (200-16).
- Place the Operation Lever (200-38) in the full down position against the stops with the right hand.
- With the left hand screw the Powder Drop Tube (200-19) down so that it holds the spent case snugly on the Primer Disc (200-16).
- Bring Operation Lever (200-38) to the full up position.
- Hold the Powder Drop Tube (200-19) and tighten Drop Tube Lock Nut (200-18) to retain adjustment.

3. ADJUSTMENT OF SHOT DROP TUBE (200-20).

NOTE The Shot Drop Tube (200-20) serves as a funnel to guide the shot charge into the case as well as seating the wads with the recommended pressure. A few wad pressure specifications are given in folder. Pressure calibration markings are found on the rear side of the Wad Guide Body (200-23).

- Hold Shot Drop Tube (200-20) and loosen Drop Tube Lock Nut (200-18).
- Place a primed case with powder contained into the Wad Guide Body (200-23) and place ALL the required wads into the Wad Guide.
- Rotate Wad Guide Body (200-23) so that the pressure calibrations can be read.
- Place the Operating Lever (200-38) in the full down position against the stops and notice the pressure indication.

NOTE If the pressure indication is greater or less than the required amount, for the type of load being loaded, release the Operating Lever (200-38) and screw the Shot Drop Tube (200-20) up or down in small increments and keep checking until the required amount of pressure is read, then proceed as follows:

- Bring Operating Lever (200-38) to the full up position.
- Hold Shot Drop Tube (200-20) and tighten Drop Tube Lock Nut (200-18) to retain adjustment.

4. ADJUSTMENT OF CRIMP DIE (200-29).

NOTE This adjustment will vary with the brand and condition of the case being used and when adjusted properly, will produce the desired depth of crimp.

To increase the depth of crimp proceed as follows:

- Hold Bushing (200-26) and loosen Crimp Die Bushing Lock Nut (200-27).
- Screw Bushing (200-26) down in increments checking the depth of crimp after each adjustment.

5. To decrease the depth of crimp, reverse part (b) of above Procedure.
Now that you have made the required adjustments, you are ready to efficiently load your shells.

IMPORTANT: Always tighten Lock Nut (200-27) before actuating Operating Lever (200-38) to prevent damage to threads on Crimp Bushing Die (200-26).

SPECIAL INSTRUCTIONS

To change the charge bars, first remove the knurled thumb screw guide rod at the rear of the hopper and then replace with the desired bar. Be sure to check from time to time to make sure it has not come unscrewed. DO NOT use wrenches to tighten; HAND TIGHTEN ONLY.

CAUTION: Do not use any type of lubrication oil on the charge bars. For proper operation they must be kept dry and free of oil.

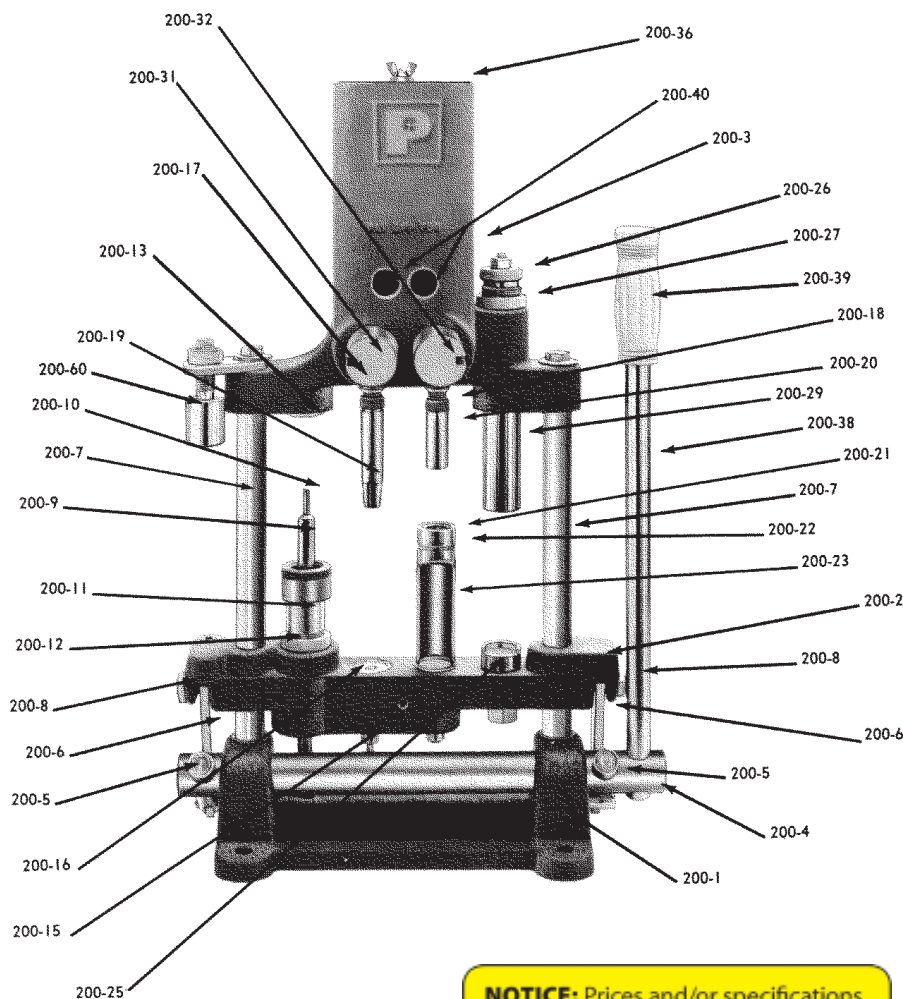
Do not load damp cases as they will not resize properly and will not function in self-loading guns. (Unprimed cases may be dried by placing in 180° oven for about 10 minutes.)

DO NOT GET SHOT MIXED WITH POWDER AS THIS WILL CAUSE MISFIRES.



Pacific DL-200 Shotgun Reloader

PARTS LISTING



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.

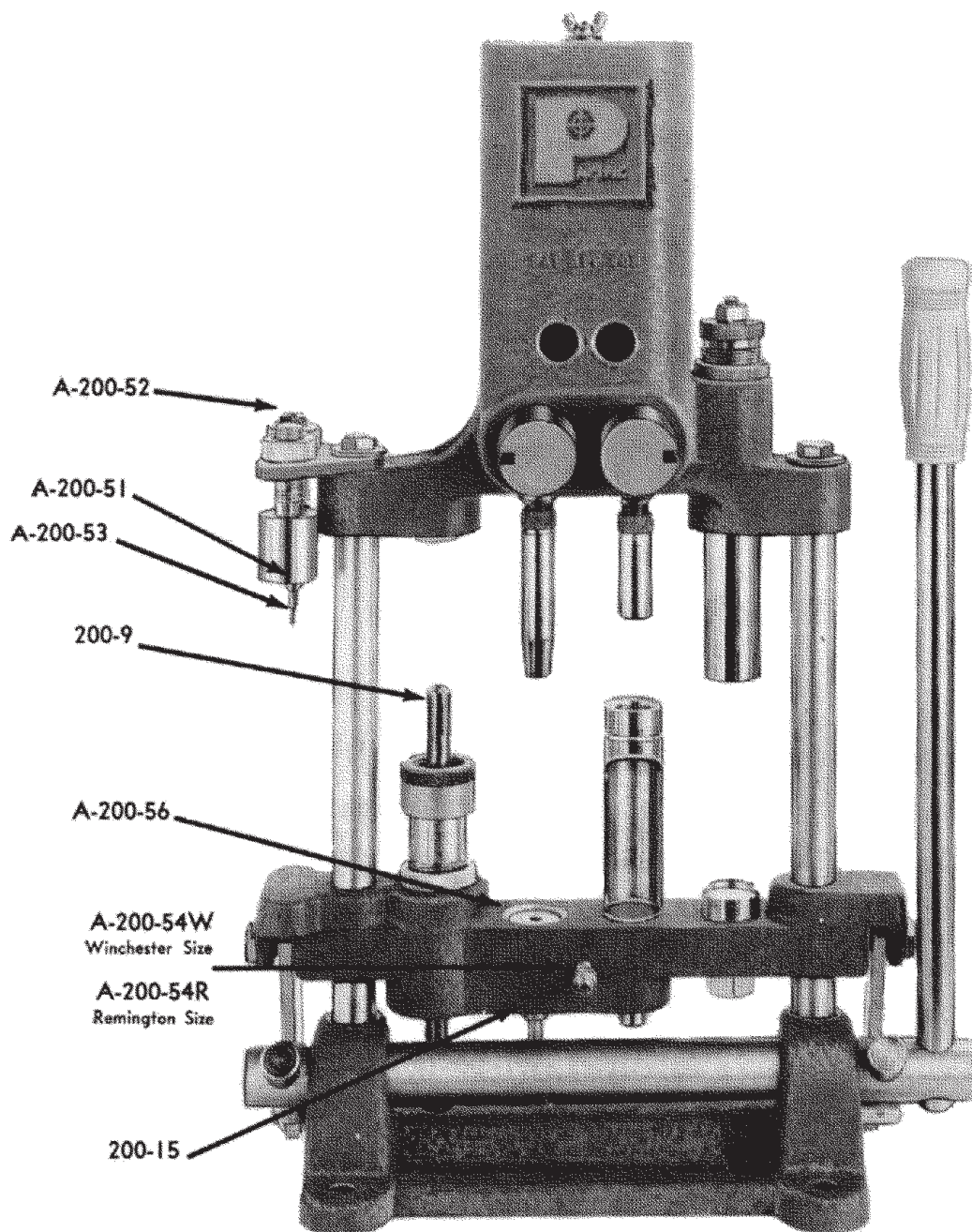
PART NUMBER	DESCRIPTION
200-1	Base Casting
200-2	Movable Platen
200-3	Hopper Casting
200-4	Pivot Shaft
200-5	Eccentric Arm
200-6	Link
200-7	Guide Post
200-8	End Screw
200-9	Case Knock Out
200-10	Decap Pin
200-11	*Size Die
200-12	Size Die Lock Nut
200-13	Case Anvil
200-14	Primer Seating Spring (not shown)
200-15	Combination Primer Seater
200-16	*Primer Disc
200-17	Drop Tube Adapter
200-18	Drop Tube Lock Nut
200-19	Powder Drop Tube
200-20	Shot Drop Tube
200-21	*Wad Guide Cap
200-22	*Spring Fingers
200-23	*Wad Guide Body
200-24	Wad Pressure Spring (not shown)
200-25	*Shell Holder
200-26	Crimp Die Bushing
200-27	Bushing Lock Nut
200-28	Crimp Die Spring (not shown)
200-29	*Crimp Die
200-30	*Crimp Plunger (not shown)
200-31	Powder Charge Bar
200-32	Shot Charge Bar
200-33	Bar Stop Bolt (not shown)
200-34	Bar Spring (not shown)
200-35	Back Plate (not shown)
200-36	Hopper Lid
200-37	Bar Stop Bushing (not shown)
200-38	Operating Lever
200-39	Lever Grip
200-40	Hopper Windows
200-60	Taper-Loc Die
200-61	Crimp Starter Die (Accessory)

For parts inquiries, call 1-800-338-3220



Pacific DL-200 Cap Converter

PARTS LISTING



A-200-51	*Cap Extractor Body.....
A-200-52	Extractor Body Lock Nut.....
A-200-53	Cap Extractor Pin.....
A-200-54R	Anvil Tool—Remington Size..
A-200-54W	Anvil Tool—Winchester Size..
A-200-56	*Cap Seating Disc.....

For parts inquiries, call 1-800-338-3220

TYPICAL WAD COLUMN RECOMMENDATIONS

Due to case, crimp and wad variation the following is to be used as a guide only—

**The DL-200 loader requires separate charge bars, which are not numbered.
When ordering, specify grain weight and type of powder and shot load desired.

Factory Load Equivalent	Case Length	Bar Number	Grain Weight Powder	Oz. of Shot	Wad Pressure	Type of Load
3 Dr 1 oz.	2 3/4"	x	17 Super M	1	25	12 Gauge Target Load
2 3/4 Dr 1 1/8 oz.	2 3/4"	x	22.5 Win. #450 LS	1 1/8	70	12 Gauge Target Load
2 3/4 Dr 1 1/8 oz.	2 3/4"	x	21 Red Dot	1 1/8	80	12 Gauge Target Load
3 Dr 1 1/8 oz.	2 3/4"	x	23 Red Dot	1 1/8	80	12 Gauge Target Load
3 Dr 1 1/8 oz.	2 3/4"	x	20 AL-101	1 1/8	60	12 Gauge Target Load
3 Dr 1 1/8 oz.	2 3/4"	x	23.5 Win. #450 LS	1 1/8	70	12 Gauge Target Load
3 1/4 Dr 1 1/4 oz.	2 3/4"	x	30 AL-5	1 1/4	90	12 Gauge Hunting Load
3 1/4 Dr 1 1/4 oz.	2 3/4"	x	24.5 Win. #450 LS	1 1/4	70	12 Gauge Hunting Load
3 1/4 Dr 1 1/4 oz.	2 3/4"	x	35.5 Win. #500 HS	1 1/4	70	12 Gauge Hunting Load
3 1/4 Dr 1 1/4 oz.	2 3/4"	x	33 AL-5	1 1/4	90	12 Gauge Hunting Load
3 1/4 Dr 1 1/4 oz.	2 3/4"	x	33 Herco	1 1/4	90	12 Gauge Hunting Load
3 1/4 Dr 1 1/4 oz.	2 3/4"	x	25 Unique	1 1/4	50	12 Gauge Hunting Load
4 Dr 1 1/2 oz.	2 3/4"	x	38 Herco	1 1/2	90	12 Gauge Hunting Load
4 Dr 1 1/2 oz.	2 3/4"	x	40.5 Win. #540 LS	1 1/2	70	12 Gauge Hunting Load
4 1/8 Dr 1 1/2 oz.	2 3/4"	x	38 AL-7	1 3/8	90	12 Gauge Hunting Load
4 Dr 1 1/2 oz.	2 3/4"	x	**35 Herco	1 3/8	90	12 Gauge Hunting Load
4 Dr 1 1/2 oz.	2 3/4"	x	38 AL-7	1 1/2	90	12 Gauge Magnum
Short Mag. 1 1/2 oz.	2 3/4"	x	**35 AL-7	1 1/2	90	12 Gauge Magnum
4 1/4 Dr 1 3/8 oz.	3"	x	41.5 Win. #540 LS	1 3/8	70	12 Gauge Magnum
4 3/8 Dr 1 3/8 oz.	3"	x	40 AL-7	1 3/8	90	12 Gauge Magnum
Max 1 3/4	3"	x	47 AL-8	1 3/4	90	12 Gauge Magnum
Max 1 3/4 oz.	3"	x	39 Win. #540 MS	1 3/4	70	12 Gauge Magnum
2 1/2 Dr 7/8 oz.	2 3/4"	x	17 AL-101	7/8	60	16 Gauge Target Load
2 1/2 Dr 7/8 oz.	2 3/4"	x	15 Super M	7/8	25	16 Gauge Target Load
2 1/2 Dr 1 oz.	2 3/4"	x	19 Win. #450 LS	1	70	16 Gauge Target Load
2 1/2 Dr 1 oz.	2 3/4"	x	23 AL-5	1	90	16 Gauge Target Load
2 1/2 Dr 1 oz.	2 3/4"	x	18 Red Dot	1	80	16 Gauge Target Load
2 1/2 Dr 1 oz.	2 3/4"	x	17 Unique	1	50	16 Gauge Target Load
2 3/4 Dr 1 oz.	2 3/4"	x	26 AL-5	1	90	16 Gauge Target Load
2 3/4 Dr 1 1/8 oz.	2 3/4"	x	23 Win. #500 HS	1 1/8	70	16 Gauge Hunting Load
3 Dr 1 1/8 oz.	2 3/4"	x	27 AL-7	1 1/8	90	16 Gauge Hunting Load
3 1/4 Dr 1 1/8 oz.	2 3/4"	x	28 Herco	1 1/8	90	16 Gauge Hunting Load
3 1/4 Dr 1 1/8 oz.	2 3/4"	x	31 Win. #540 MS	1 1/8	70	16 Gauge Hunting Load
3 1/4 Dr 1 1/4 oz.	2 3/4"	x	30 Win. #540 MS	1 1/4	70	16 Gauge Hunting Load
3 1/2 Dr 1 1/4 oz.	2 3/4"	x	37 AL-8	1 1/4	90	16 Gauge Magnum
2 Dr 7/8 oz.	2 3/4"	x	16 Unique	7/8	50	20 Gauge Target Load
2 1/8 Dr 3/4 oz.	2 3/4"	x	12 Super M	3/4	25	20 Gauge Target Load
2 1/8 Dr 3/4 oz.	2 3/4"	x	14 AL-101	3/4	60	20 Gauge Target Load
2 1/8 Dr 7/8 oz.	2 3/4"	x	16 Red Dot	7/8	80	20 Gauge Target Load
2 1/4 Dr 7/8 oz.	2 3/4"	x	23 AL-5	7/8	90	20 Gauge Target Load
2 1/4 Dr 7/8 oz.	2 3/4"	x	16 Win. #450 LS	7/8	70	20 Gauge Target Load
2 1/2 Dr 1 oz.	2 3/4"	x	20 Win. #500 HS	1	70	20 Gauge Hunting Load
2 1/2 Dr 1 oz.	2 3/4"	x	23 AL-7	1	90	20 Gauge Hunting Load
2 1/2 Dr 1 oz.	2 3/4"	x	23 Herco	1	90	20 Gauge Hunting Load
3 Dr 1 oz.	2 3/4"	x	25 Win. #540 MS	1	70	20 Gauge Hunting Load
2 7/8 Dr 1 oz.	2 3/4"	x	25 AL-7	1	90	20 Gauge Hunting Load
3 Dr 1 1/8 oz.	2 3/4"	x	26 Win. #540 MS	1 1/8	70	20 Gauge Hunting Load
3 Dr 1 1/8 oz.	2 3/4"	x	32 AL-8	1 1/8	90	20 Gauge Hunting Load
Max. 1 3/4 oz.	3"	x	27 Win. #540 MS	1 3/4	70	20 Gauge Magnum
Max. 1 3/8 oz.	3"	x	33 AL-8	1 3/8	90	20 Gauge Magnum

WHEN USING CASES WITH ROLL TYPE CRIMP AN OVER SHOT CARD MUST BE USED.

NOTE—

To determine proper Wad Column, remember: When using Powder and Shot Charge, with proper Wad Pressure, there should be 1/2 to 9/16" of space from top of Shot to mouth of Case before crimping. Powder and Shot Charges will vary due to following conditions: Due to density and moisture content, powder will vary in weight from one lot to the next. Shot Charges will vary in weight due to size of Shot and alloy used in each lot. All Charge Bars have been tested and are an average of several different lots. We do not recommend that Bars be altered or substitute Powder be used. Pacific Gun Sight Company cannot assume any liability for damage which may result from the use of the DL-200 Loader or from information given herein. This is necessary because Pacific Gun Sight Company has no control over the manner in which shells are loaded or components used in the loading operation.



PACIFIC GUN SIGHT COMPANY

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Form #P-J-61

