

BULLETIN 99
SUPERSEDES 96

LUDLOW

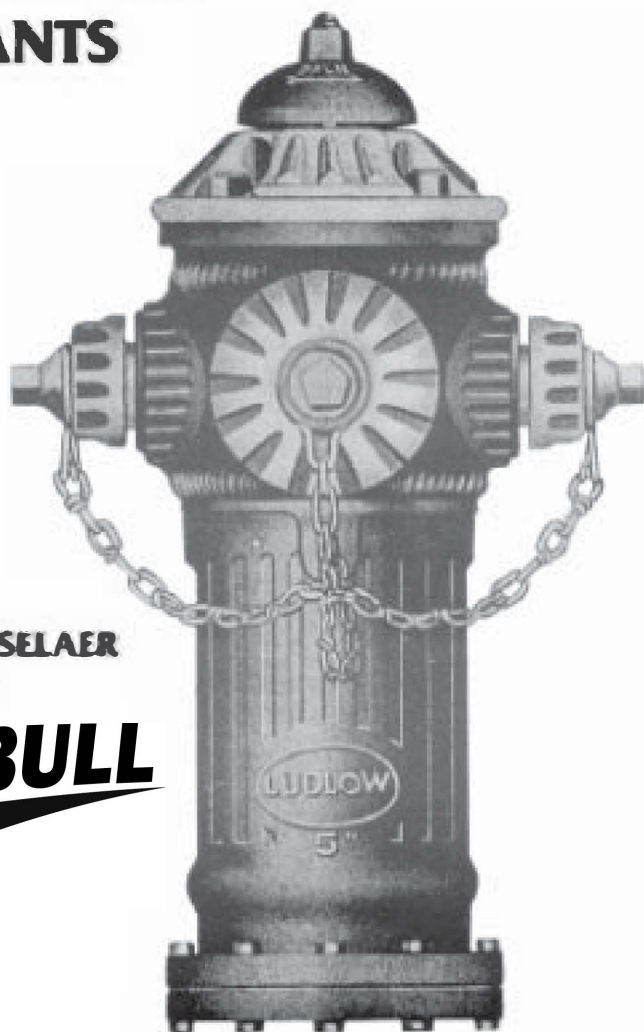
LUDLOW SLIDE GATE FIRE HYDRANTS



LUDLOW - RENSSELAER

Division of

TRUMBULL



LUDLOW

general servicing recommendations

Like other standby emergency equipment, a fire hydrant should receive periodic inspection to prolong its useful service life and assure dependability when its service is required.

A periodic flushing, at least twice a year, is recommended so that sediment or encrustations on the working parts are broken up, the interior cleaned of foreign material, drainage passages cleared and unreported accidental or traffic damage discovered. A simultaneous surface inspection of external parts and lubrication of the nozzle threads with a white lead and oil solution before replacing caps is all that is usually necessary to complete the inspection.

Any hydrant which does not close easily is giving a warning that foreign material is obstructing the gate travel. Minor obstructions can usually be dislodged by opening and closing the gate several times; however, the ease with which a Ludlow slide gate fire hydrant can be disassembled to determine what is wrong, leaves no necessity for continued forcing which may damage internal parts.

A HYDRANT IN PROPER OPERATING CONDITION WILL NOT REQUIRE EXCESSIVE FORCE TO SHUT-

OFF. If it does not shut off tightly with a normal amount of operating force, internal parts should be removed to determine the causes for leakage.

(1) Check for foreign matter or stones or pieces of wood in the hydrant bottom.

(2) Examine the gate rubber. If a new gate rubber does not enable the hydrant to shut off properly, check carefully as follows: If the impression of the seat ring on the face of the new rubber is not even, there must be some misalignment which may have been caused by years of wear and corrosion. Should the impression on the rubber be heavier at the bottom than at the top, the bottom faces of the wedge nut (where it bears against the gate) should be filed off slightly and the hydrant assembled and tried until the bearing or impression on the face of the gate rubber is uniform. If the bearing on the gate rubber is heavier at the top, the top faces of the wedge nut should be filed.

(3) If the hydrant installation is over 50 years old, the internal dimensions may have changed sufficiently, because of wear and corrosion so that an oversized wedge nut may be required. Although rarely required, such nuts may be obtained on special order. They have sufficient stock on the back so they may be filed or ground to suit existing conditions.

identification of hydrants

There are three basic types of Ludlow slide gate Fire Hydrants, all similar in opening characteristics - but varying slightly in method of adjusting stem assemblies. The major difference is in the shape of the rib directly back of the inlet port. Fig. 131 (pg. 6) shows the original type furnished prior to 1931. Referring to the figure, part B-75 has a small extension on the rib (indicated by the arrow under "G-75"), which acts as a wedge against the bottom of the gate. This type of bottom is identified as that for the *List 75 without locking device*.

Fig. 308 (pg. 7) illustrates the type of Ludlow hydrant furnished after January 1931. This hydrant has a rib (shown under the arrow pointing to part G-90), which is straight and parallel to the center line of the hydrant stem, *without the small wedge at the bottom of the rib* and is known as a *List 90 bottom* or *List 75 bottom with locking device*.

All List 90 hydrants are equipped with the Fig. 308 (pg. 7) type of bottom.

In the case of the List 75 Hydrants, if available records do not indicate which type of bottom is on the hydrant, a field determination must be made. In most instances a visual determination can be made with a flashlight. Where it is not possible to make such a determination, a piece of wood of sufficient length to reach the bottom of the hydrant can be moved along the rib to determine whether it is equipped with the bottom wedge.

With respect to the three basic types of slide gate hydrants mentioned above there are two types of stem seal arrangements as shown in Fig. 532 (pg. 6) & 533 (pg. 7): 1.) Conventional type stuffing box. 2.) O-Ring stem seal.

sleeves

A number of different types of sleeves have been furnished in the past to meet special customer requirements; for this reason, care should be exercised when forwarding specifications with your order.

The various style sleeves used on hydrants equipped with a conventional stuffing box are illustrated below. When ordering, state Fig. No. of sleeves, and size of hydrant gate opening. If available, dimensions "A" and "B" (on all style sleeves) are very helping in furnishing the correct sleeves, especially where a hydrant has been installed for a great many years.

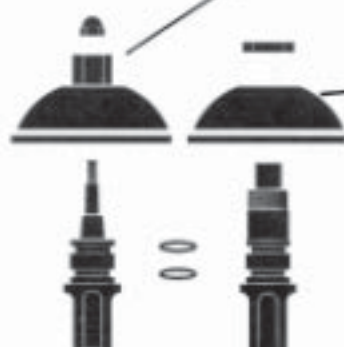
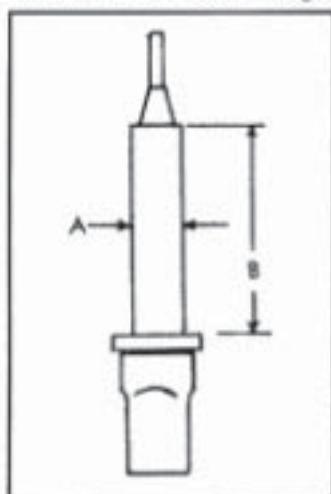
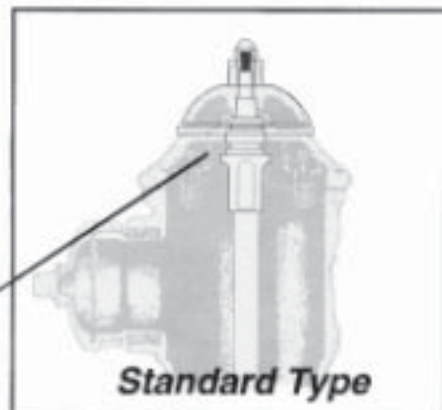
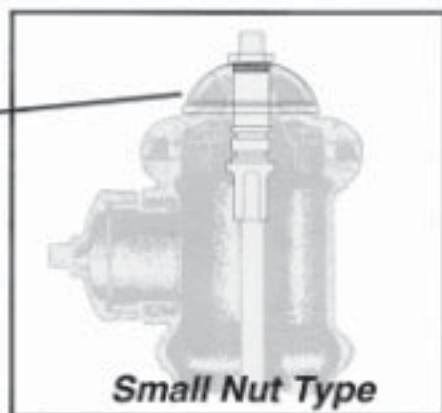


Fig. 537 Fig. 538

Sleeves With "O" Ring Seals



Standard Type



Small Nut Type

Sleeves For Use With Conventional Type Stuffing Box



Fig. 148



List 75

List 90



Fig. 147



Fig. 547



Fig. 548



Fig. 151

* 2 Piece Sleeve
Fig. 150 & 151

Fig. 150

parts replacement instructions

GENERAL DISASSEMBLY FOR INSPECTION

HYDRANTS WITH O-RING STEM SEAL

1. Turn off water at secondary gate valve.
2. Turn hydrant to partly open position.
3. Disassemble 4 dome nuts.
4. Remove dome assembly as a unit.
5. Lift out complete internal working parts as a unit.

HYDRANTS WITH CONVENTIONAL STUFFING BOX.

1. Turn off water supply to hydrant at auxiliary or secondary gate valve.
2. Turn hydrant to partly open position.
3. Disassemble retaining nut on top of hydrant and lift off umbrella or operating nut. (On certain models, where operating nut is integral with sleeve, this step is unnecessary.)
4. Disassemble two dome bolt nuts and lift off dome.
5. Disassemble packing plate stud nuts. (Not packing box nuts.)
6. Lift off packing plate assembly complete with sleeve.
7. Lift out complete internal working parts as a unit.

With the parts above ground, the operating difficulty can be quickly corrected, without new parts in most cases, by simply removing the obstruction.

Hydrants which are frequently operated, and those in normal operation for periods of 10 to 15 years, can usually be returned to original shut-off efficiency by replacing the rubber seats of the main and drip valves.

DRIP RUBBER REPLACEMENT

(Refer to Fig. 375).

1. Remove stem and gate assembly from hydrant (as for general disassembly.)
2. Hold drip washer with pipe wrench and turn bronze drip nut counter-clockwise with Ludlow drip nut wrench or small pipe wrench and disassemble.
3. Replace drip rubber, reassemble nut and tighten to point where rubber starts to deform. Do not over-tighten.

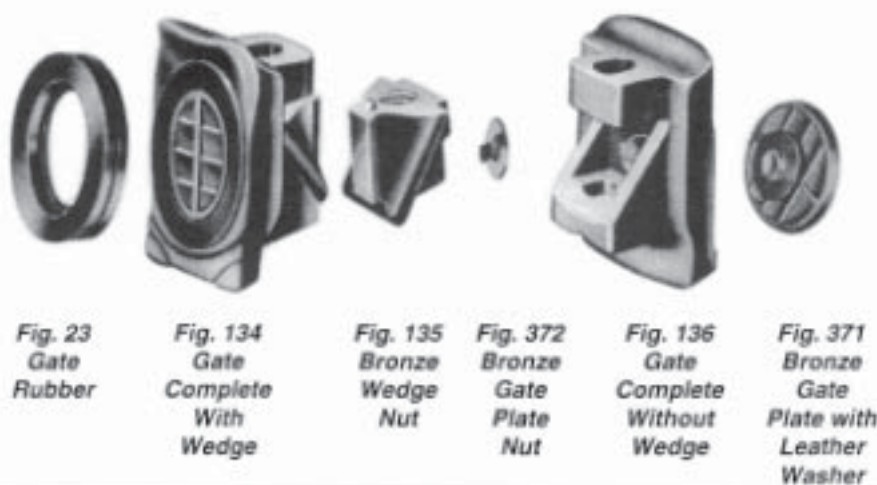
GATE RUBBER REPLACEMENT

1. Remove stem and gate assembly from hydrant (as for general disassembly.)
2. Hold stem from turning and turn bronze drip piece (Fig. 375) with open end wrench counter-clockwise to remove drip assembly.
3. Turn locknut (Fig. 375) counter-clockwise to disassemble and remove lockwasher (Fig. 375).
4. Rotate gate assembly on stem to disassemble.
5. Lift out wedge nut (Fig. 135).
6. Turn gate plate nut (Fig. 372) counter-clockwise with gate plate wrench to disassemble.
7. Tap exposed stud of gate plate (Fig. 371) sharply with wood block to disassemble, using care not to damage gate plate leather (Fig. 371).
8. Replace gate rubber and reassemble gate.
9. Reassemble gate and wedge nut on stem.
10. Reassemble lockwasher and turn locknut on stem to end of thread.
11. Turn drip assembly on stem and tighten securely against locknut.
12. Check for free rotation of drip rubber assembly.

FIG. 375
HYDRANT DRIP PARTS
IN ORDER OF ASSEMBLY



GATE ASSEMBLY AND PARTS



interchangeability of internal parts

All internal working parts for all types of Ludlow hydrants furnished since 1900 are interchangeable size for size, with the following exceptions: -

(1) The length of the stem is different for a List 75 and List 90 hydrant of the same size and trench depth. However, all repair stems are shipped purposely long to allow for field adjustments to compensate for wear and List No. variations.

(2) The 4" hydrant gate, furnished prior to February 1947, will not interchange between the List 75 with the bottom wedge type rib (Fig. 131) and the List 90 or List

75 with the straight rib (Fig. 308) hydrant. All 4" gates, furnished after February 1947, will fit any 4" Ludlow hydrant.

(3) The 4" List 75 hydrant with the bottom wedge type rib (Fig. 131) requires a special 4" List 75 wedge nut. All other 4" hydrants use the 4" List 90 wedge nut.

(4) All List 75 hydrants without locking device, that is with the bottom wedge type rib, use the old style nut, part AX-75. All other hydrants use the new style locking device, part AX-90.

directions for ordering parts

Use the following table when ordering replacement parts.

HYDRANT WITH CONVENTIONAL STUFFING BOX					
PART		INFORMATION REQUIRED	PART		INFORMATION REQUIRED
A - 75 & 90	Hydrant-Head	Size Gate Opening. List (75 or 90), # & type Nozzles (Hose-Pumper)	M - 75 & 90	Gate	Size Gate Opening.
AA - 75 & 90	Connecting Pipe	Size Gate Opening. Length Pipe (Flange to Flange)	N - 75 & 90	Bronze Seat Ring	Size Gate Opening.
B - 75 & 90	Bottom	Size Gate Opening, Type & Size Pipe Connection, (Mech. Jt. - Fig.) If Flange, give drilling.	O - 75 & 90	Gate Rubber	Size Gate Opening.
C - 75 & 90	Stem**	Size Gate Opening, Depth of Trench or Overall Length of Stem, List (75 or 90)	P - 75 & 90	Nozzle Cap	Type (Hose-Pumper) List (75 or 90)
D - 75 & 90	Follower or Dome Bolts	Size Gate Opening.	Q - 75 & 90	Bronze Nozzle	Type (Hose-Pumper) if Nozzle is screwed into Hydrant Head, please specify.
E - 75 & 90	Packing Plate Stud	Size Gate Opening (Specify stud or bolt.) On some old installations this item is a bolt.	R - 75 & 90	Bronze Drip Piece	Size Gate Opening.
G - 75 & 90	Bronze Wedge Nut**	Size Gate Opening.	S - 75 & 90	Bronze Drip Washer	Size Gate Opening.
H - 75 & 90	Bronze Sleeve	Refer to section on sleeves - Page 3	T - 75 & 90	Drip Rubber	Size Gate Opening.
I - 75 & 90	Packing Plate	Size Gate Opening. List (75 or 90)	U - 75 & 90	Bronze Drip Nut	Size Gate Opening.
J - 75 & 90	Packing Gland or Followers	Size Gate Opening. List (75 or 90)	V - 75 & 90	Bronze Drip Cup	Size Gate Opening.
K - 75 & 90	Dome	Size Gate Opening. List (75 or 90)	W - 75 & 90	Bronze Drip Bolt	Size Gate Opening.
L - 75 & 90	Umbrella Oper. Nut	List (75 or 90)	X - 75 & 90	Bronze Gate Plate	Size Gate Opening.
			Y - 75 & 90	Bronze Gate Plate Nut	Size Gate Opening.
			Z - 90	Flange Bolts (Bottom)	Size Gate Opening.
			Z - 75, ZZ - 90	Flange Bolts (Ground)	Size Gate Opening.
			AX - 75 & 90	Gate Locking Device	Size Gate Opening. Also if 2 Piece (Nut and Washer) or old style (Nut only)

HYDRANT WITH "O" RING PACKING PLATE					
PART		INFORMATION REQUIRED	PART		INFORMATION REQUIRED
E - 75 & 90	Packing Dome Studs	Size Gate Opening and List (75 or 90)	IO - 75 & 90	Packing Dome	Size Gate Opening and List (75 or 90)
EO - 75 & 90	Nut(Packing Dome Stud)	Size Gate Opening and List (75 or 90)	JO - 75 & 90	"O" Ring	Same for 4" and 5" List 75 & 90
HO - 75 & 90	Bronze Sleeve	Same for 4" and 5" List 75 & 90	L - 75 & 90	Umbrella Oper. Nut	Same for 4" and 5" List 75 & 90

** - For stem (C-75 and 90) and bronze wedge nut (G-75 & 90), state direction of opening.

IRON BODY - BRONZE MOUNTED WITH RUBBER FACED GATE TESTED AT 300 - LB. HYDROSTATIC PRESSURE • • • RECOMMENDED FOR 150 - LB. WATER WORKING PRESSURE

Cast iron parts Hydrant bottom, connecting pipe, head, packing dome and gate as well as nozzle cap and umbrella operating nut are made of a high quality cast iron, - exceeding the requirements of A.W.W.A. Specification A-126, Class B.

Bronze Trim Seat ring, wedge nut, sleeve, nozzles, and gate fastenings are made of a hard, non-galling, low zinc bronze - exceeding the requirements of A.W.W.A. Specification C - 502.

Stem Threaded portion is of high tensile strength rolled bar stock, joined to the rugged upper portion by a forged coupling.

Gate & Drip Rubbers Long-life, Ludlow-developed rubber seats, are readily replaceable no matter how infrequently required, as they are secured by non-corrodible, all-bronze fastening.

Locking Device A rugged forging in conjunction with a high strength manganese bronze casting provide a non-corrodible, all-bronze fastening.

"O" Rings Special synthetic rubber compound; tested and laboratory-proved ball and socket contact surface.

Bolts & Nuts Quality-controlled plated steel; rust proofed after threading.

Dome Nuts Plated steel nuts.

construction details and

"O" Ring Type

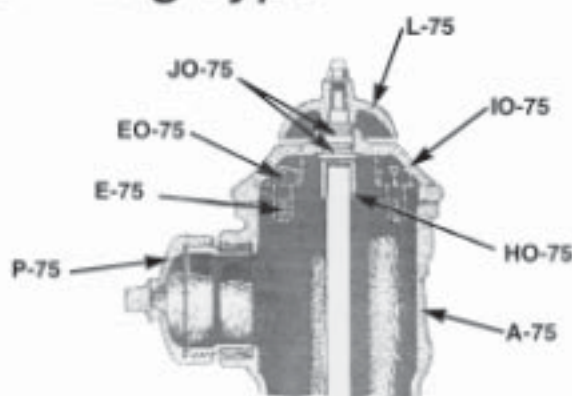


Fig. 532 List 75

Stuffing Box Type

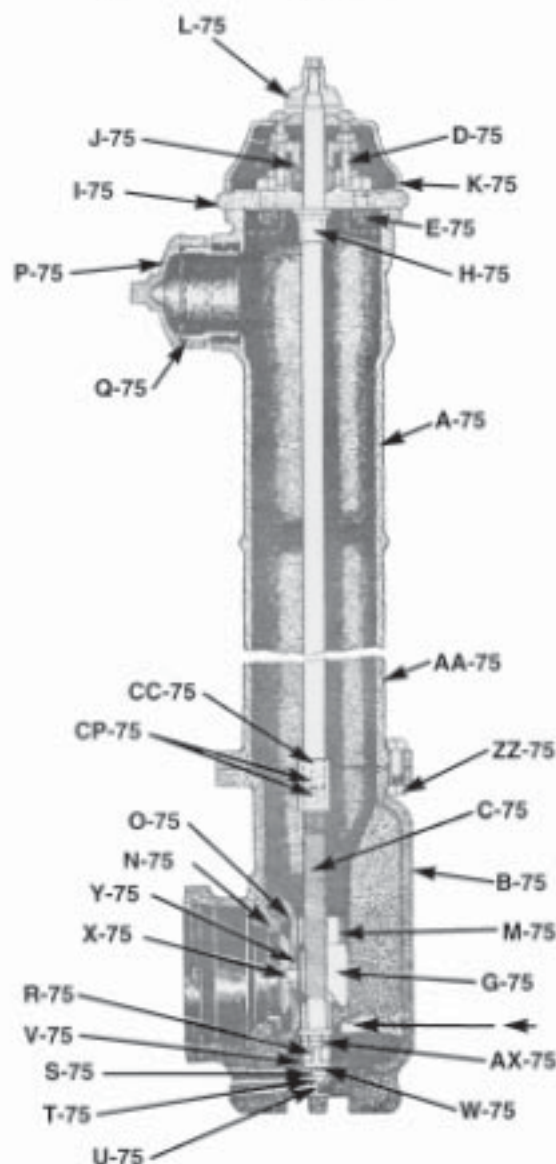


Fig. 131 List 75

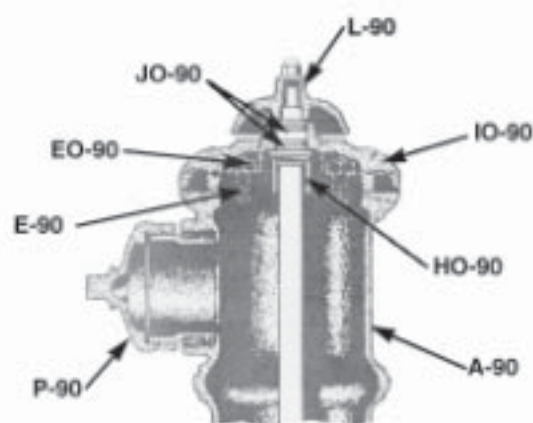


Fig. 533 List 90

* Order by Trumbull Part Number. See listing beginning on page 8.

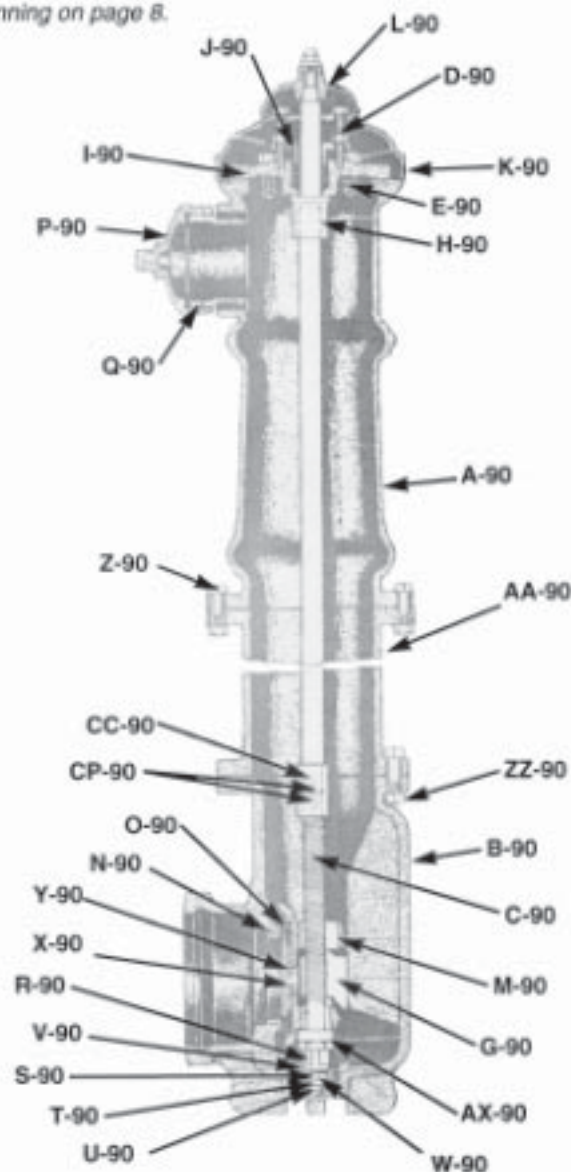


Fig. 308 List 90

“O” Ring Hydrant repair parts numbers

Part Number List 75	Name of part	Part Number List 90
E - 75	Packing Dome Studs	E - 90
EO - 75	Nut (Packing Dome Stud)	EO - 90
HO - 75	Bronze Sleeve	HO - 90
IO - 75	Packing Dome	IO - 90
JO - 75	*O* Ring	JO - 90
L - 75	Umbrella Operating Nut	L - 90

(For All Other Parts See "Conventional Stuffing Box" Repairs - Below)

Stuffing Box Hydrant repair parts numbers

Part Number List 75	Name of part	Part Number List 90
A - 75	Hydrant Head	A - 90
AA - 75	Connecting Pipe	AA - 90
B - 75	Bottom	B - 90
C - 75	Stem	C - 90
D - 75	Follower or Dome Bolts	D - 90
E - 75	Packing Plate Studs	E - 90
G - 75	Bronze Wedge Nut	G - 90
H - 75	Bronze Sleeve	H - 90
I - 75	Packing Plate	I - 90
J - 75	Packing Gland of Follower	J - 90
K - 75	Dome	K - 90
L - 75	Umbrella Operating Nut	L - 90
M - 75	Gate	M - 90
N - 75	Bronze Seat Ring	N - 90
O - 75	Gate Rubber	O - 90
P - 75	Nozzle Cap	P - 90
Q - 75	Bronze Nozzle	Q - 90
R - 75	Bronze Drip Piece	R - 90
S - 75	Bronze Drip Washer	S - 90
T - 75	Drip Rubber	T - 90
U - 75	Bronze Drip Nut	U - 90
V - 75	Bronze Drip Cup	V - 90
W - 75	Bronze Drip Bolt	W - 90
X - 75	Bronze Gate Plate	X - 90
Y - 75	Bronze Gate Plate Nut	Y - 90
Z - 75	Flange Bolts - Ground Line	Z - 90
ZZ - 75	Flange Bolts - Bottom	ZZ - 90
AX - 75	Gate Locking Device	AX - 90
CC - 75	Coupling	CC - 90
CP - 75	Coupling Pins	CP - 90

Ludlow Replacement Parts

Part	Description	Valve Opening or Size	Ludlow Number	Trumbull Number
A	<u>Upper Section (Standpipe) :</u> Cast Iron Part Only Note: Part "A" with connecting piece replaces old Ludlow L75 one piece barrel.	4" 75, 2-way	04-75-206	392-0020
		4" 75, 3-way	04-75-211	392-0010
		4" 90, 2-way	04-90-206	392-0060
		4" 90, 3-way	04-90-211	392-0050
		5" 75, 2-way	05-75-206	392-0040
		5" 75, 3-way	05-75-211	392-0030
		5" 90, 2-way	05-90-206	392-0080
		5" 90, 3-way	05-90-211	392-0070
B	<u>Bottom Section :</u> with 4" Flange with 4" MJ with 6" MJ with 6" Flange with 6" MJ	4" 75 & 90	04-90-021	392-0015
		4" 75 & 90	04-90-011	392-0025
		4" 75 & 90	04-90-013	392-0035
		5" 75 & 90	05-95-021	392-0045
		5" 75 & 90	05-95-011	392-0055
BP	<u>Bottom Plate :</u>	5" 75 & 90	05-95-081	392-0065
C	<u>Stem :</u>	4" 75 & 90 O/L	04-90-524	392-0205
		4" 75 & 90 O/R	04-90-524	392-0210
		5" 75 & 90 O/L	05-90-524	392-0105
		5" 75 & 90 O/R	05-90-524	392-0110
CC	<u>Brass Coupling :</u>	4" & 5" 75 & 90	005-0041	392-0115
CP	<u>Brass Coupling Pin :</u>	4" & 5" 75 & 90	033-0038	392-0120
D	<u>Follower or Dome Bolt :</u> T-Head with two nuts	-	1/2" X 3-1/2"	392-0225
		-	1/2" X 4"	392-0130
		-	1/2" X 4-1/2"	392-0135
		-	7/16" X 3-1/2"	392-0140
		-	7/16" X 4-1/2"	392-0141
E	<u>Packing Plate Stud with Nut :</u>	-	3/4"-10 X 2-1/2"	392-0245
		-	3/4"-10 X 2-3/4"	392-0250
		-	5/8"-11 X 2-1/2"	392-0155
		-	5/8"-11 X 2-1/2"	392-0255
G	<u>Bronze Wedge Nuts :</u>	4" 75 & 90 O/L	04-75-521	392-0265
		4" 75 & 90 O/R	04-75-521	392-0260
		5" 75 & 90 O/L	05-75-521	392-0160
		5" 75 & 90 O/R	05-75-521	392-0165
		4-1/2" 75 & 90 O/L	04-75-521	392-0272
		4-1/2" 75 & 90 O/R	04-75-521	392-0275
H	<u>Bronze Sleeves :</u> Fig. 148 Fig. 547 Fig. 547 Fig. 147 Fig. 147 Fig. 548 Fig. 150* Fig. 151* *Comprises a two piece sleeve	4" & 5" 75 & 90	95-142-00	392-0183
		4" 75	95-139-00	SP
		5" 75	95-140-00	SP
		4" 75	95-112-27	392-0891
		5" 75	95-113-27	392-0893
		5" 90	95-231-27	392-0899
		5" 75	95-144-01	392-0902
		5" 75	-	SP
HO	<u>Bronze Sleeve :</u> Fig. 537 Fig. 538	4" & 5" 75 & 90	95-810-00	392-0182
		4" & 5" 75 & 90	95-814-00	SP
JO	<u>"O"-Ring (2 Required) :</u>	4" & 5" 75 & 90	216-70	392-0188

Ludlow Replacement Parts

Part	Description	Valve Opening or Size	Ludlow Number	Trumbull Number
I	Packing Plate :	4" 75 5" 75 4" & 5" 90	04-75-593 05-75-593 05-90-593	392-0873 392-0879 392-0888
J	Packing Gland :	4" 75 4" 90 5" 75 5" 90	04-75-590 04-90-590 05-75-580 05-90-576	392-0870 392-0885 392-0876 392-0882
K	Packing Dome :	4" 75 5" 75 4" & 5" 90	04-75-599 05-75-599 05-90-599	392-0264 392-0162 392-0166
IO	"O"-Ring Dome :	4" 75 5" 75 4" & 5" 90	04-75-594 05-75-594 05-90-594	392-0262 392-0162 392-0163
L	<u>Umbrella Nuts</u> : 1-1/2" Pentagon 1-1/4" Pentagon 1-1/8" Pentagon All Others	4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90	93-821-27 93-821-23 93-821-21 -	392-0180 392-0184 SP SP
L	<u>Toadstool Nuts</u> : NST Other Than NST	4" & 5" 75 4" & 5" 75	93-820-27 -	392-0195 SP
M	Gate (Cast Iron) :	4" 75 & 90 5" 75 & 90 4-1/2" 75 & 90	04-90-501 05-95-501 45-95-501	392-0298 392-0198 392-0299
N	Bronze Seat Ring :	4" 75 & 90 5" 75 & 90	04-75-199 05-07-199	392-0270 392-0170
O	Gate Rubbers :	4" 75 & 90 5" 75 & 90 4-1/2" 75 & 90 6" 75	026-0051 026-0052 026-0061 026-0066	392-0200 392-0100 392-0201 392-0202
P	<u>2-1/2" Hose Nozzle Caps</u> : NST Other Than NST <u>Steamer Caps</u> : NST Other Than NST Rubber Gasket is furnished w/caps	4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90	- - 04-90-416 -	392-0917 SP 392-0914 SP
Q	<u>2-1/2" Hose Nozzle (Lead In)</u> : NST Other Than NST <u>2-1/2" Hose Nozzle (Screw-In)</u> : NST Other Than NST <u>Steamer Nozzle (Screw-In)</u> : NST Other Than NST	4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90 4" & 5" 75 & 90	04-75-342 - 04-90-415 - - -	392-0152 SP 392-0151 SP 392-0154 SP
R	Screw & Drip Piece :	4" & 5" 75 & 90	04-75-511	392-0305
S	Drip Washer :	4" & 5" 75 & 90	04-75-512	392-0310
T	Drip Rubber :	4" & 5" 75 & 90	026-0053	392-0300

Ludlow Replacement Parts

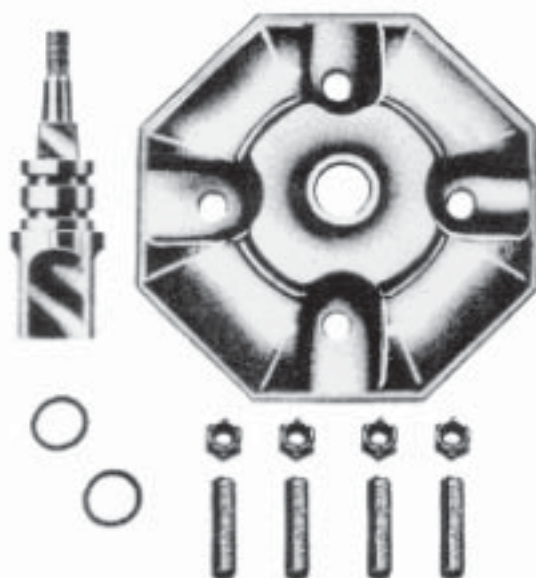
Part	Description	Valve Opening or Size	Ludlow Number	Trumbull Code
U	Drip Nut :	4" & 5" 75 & 90	04-75-513	392-0315
V	Drip Cup :	4" 75 & 90	04-75-085	392-0320
		5" 75 & 90	05-95-085	392-0330
W	Drip Bolt :	4" & 5" 75 & 90	04-75-514	392-0335
X	Bronze Gate Plate :	4" 75 & 90	04-75-502	392-0370
		5" 75 & 90	05-95-502	392-0362
		4-1/2" 75 & 90	45-75-502	392-0365
		6" 75	06-75-502	392-0360
	Leather Gate Plate Washer :	4" , 4-1/2" , & 5" 75 & 90	—	392-0375
	Gate Spring :	4" & 5" 75 & 90	—	392-0251
Y	Gate Plate Nut :	4" & 5" 75 & 90	04-75-504	392-0385
Z	Ground Flange Bolt with Nut :	4" & 5" 75 & 90	—	392-0926
ZZ	Base Flange Bolt with Nut :	4" & 5" 75 & 90	—	392-0929
	Drip Assembly : Consisting of parts R, S, T, U, & W	4" & 5" 75 & 90	—	392-0220
	Gate Assembly : Consisting of parts M, X, O, G, & Y Complete with Spring & Gate Plate Washer	4" 75 & 90 O/L 4" 75 & 90 O/R 5" 75 & 90 O/L 5" 75 & 90 O/R 4-1/2" 75 & 90 O/L 4-1/2" 75 & 90 O/R	—	392-0806 392-0809 392-0812 392-0815 392-0818 392-0821
AX	Locking Device, New Style :			
	Nut	4" & 5" 75 & 90	04-90-551	392-0500
	Washer	4" & 5" 75 & 90	04-90-508	392-0501
AX	Locking Device, Old Style :	4" & 5" 75	—	392-0503
	Upper Section (Standpipe) : Complete from Ground Flange Up. Consisting of 2 Nozzles, Part "A" with Caps & Chains, and Includes Dome, O-Ring Sleeve, Umbrella Nut	4" & 5" 75 & 90	—	SP
	Upper Section (Standpipe) : Same As Previous Upper Section, Except w/3 Nozzles	4" & 5" 75 & 90	—	SP
	Dome Gasket :			
	2 x 3/4" Holes 6-1/4" B.C.	4" 75	030-0040	392-0836
	4 x 3/4" Holes 7-7/8" B.C.	4" & 5" 90	030-0041	392-0214
	4 x 3/4" Holes 8-1/2" B.C.	5" 75	030-0042	392-0800
	Head Gasket :			
	4 x 3/4" Holes 9-3/8" B.C.	4" 75 & 90	—	392-0217
	8 x 3/4" Holes 10-3/4" B.C.	5" 75 & 90	—	392-0851
	Flange Gasket :			
	No Holes	4" 75 & 90	—	393-0724
	No Holes	5" 75 & 90	—	393-0727
	4 x 3/4" Holes 9-3/8" B.C.	4" 75 & 90	—	392-0217
	8 x 3/4" Holes 10-3/4" B.C.	5" 75 & 90	—	392-0851
	5 x 3/4" Holes 9-3/8" B.C.	5" 75 & 90	—	392-0864
	Steamer Cap Gasket :		—	392-0920
	2-1/2" Nozzle Cap Gasket :		—	392-0923

Ludlow Replacement Parts

Part	Description	Valve Opening or Size	Ludlow Number	Trumbull Code
<u>Packing :</u>				
	5/8" Square	4" 75	—	392-0824
	1/2" Square	5" 75 & 90	—	392-0827
	3/8" Square	4" 90	—	392-0830
	6" L-75 Head Plate Gasket :	6" 75	030-0060	392-0854
	5" Bottom Plate Gasket :	5" 75 & 90	030-0065	392-0857
	Chain Swivel :	4" 75	—	392-0860
<u>O-Ring Conversion Kits, Consisting of :</u>				
	1 ea. - O-Ring Dome	4" 90	—	392-0845
	1 ea. - O-Ring Sleeve	5" 75	—	392-0848
	2 ea. - O-Rings	5" 90	—	392-0845
	1 ea. - Stem Adapter			
	1 ea. - Dome Gasket with necessary Studs and Nuts			
	Stem Adapter :		—	392-0803
	Washer for Stem (2" o. d. x 1-1/16" sq. i.d.) :		—	392-0211
<u>Ludlow Flanges :</u>				
	4" Groundline, 4 Hole		04-90-172	392-0659
	4" Bottom, 4 Hole		05-95-71	392-0656
	5" Groundline, 8 Hole		05-75-157	392-0653
	5" Bottom, 5 Hole		05-90-157	392-0650
	4" Snap Ring		—	392-0670
	5" Snap Ring		—	392-0675

LUDLOW

o-ring conversion kit



Ludlow's answer to increasing maintenance costs is the new O-Ring Conversion Kit for installed List 75 and List 90 Ludlow hydrants (4" and 5" valve opening) having conventional stuffing boxes. One man can make the complete change-over in a matter of minutes, without special tools or shutting-off the water.*

Conversion parts will fit existing hydrant heads. An adjustable stem adapter makes fitting to suit worn part unnecessary and assures the proper stem length for ease of operation.

*** Very old List 75 hydrants not equipped with gate locking device require water shut-off.**

TRUMBULL

Trumbull Manufacturing

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