

Parts List

B-838 Series Service Regulators

Models N, R, M, D, RM & RD
IMN, IMR & IMV

ITEM NO.	PART NO.	QUANTITY					DESCRIPTION	
		RD	RM	D	M	R		N
1	753404	-	-	2	2	-	2	Upper Diaphragm Case-Vent-1" Pipe
1A	753434	2	2	-	-	2	-	Upper Diaphragm Case-Vent-2½" Pipe
2	760083	2	2	2	2	2	2	Seal Cap
3	760233	-	-	2	2	-	2	Adjustment Screw
3A	760253	2	2	-	-	2	-	Adjustment Screw
4	765607	2	2	2	2	2	2	Seal Cap Gasket
5	762933	-	-	2	2	-	2	Vent Screen-1" Vent
5A	762941	2	2	-	-	2	-	Vent Screen-2½" Vent
6	755791	-	-	2	2	-	2	Vent Screen Ret. Ring-1" Vent
7	754834	-	-	2	2	-	2	Vent Valve Disc Pin-1" Vent
7A	754801	2	2	-	-	2	-	Vent Valve Disc Pin-2½" Vent
8	762601	-	-	2	2	-	2	Vent Valve Spring-1" Vent
8A	762691	2	2	-	-	2	-	Vent Valve Spring-2½" Vent
9	765181	-	-	2	2	-	2	Vent Valve Disc-Molded Nylon-1" Vent
9A	765341	2	2	-	-	2	-	Vent Valve Disc-Molded Nylon-2½" Vent
10	765685	-	-	2	2	-	2	Vent Valve Seat-1" Vent
10A	761651	2	2	-	-	2	-	Vent Valve Seat-2½" Vent
14	769241	2	2	2	2	2	2	Regulator Badge
15	755071	4	4	4	4	4	4	Badge Drive Screw
21								Lower Diaphragm Case
	715065	-	-	-	-	2	2	4:1 Ratio-Open Throat
	715066	2	2	2	2	-	-	3:5:1 Ratio-Closed Throat
22								Valve Linkage Lever-Specify Ratio
	761275	-	-	-	-	2	2	4:1 Ratio
	761271	2	2	2	2	-	-	3:5:1 Ratio
23								Valve Stem
	754191	-	-	-	-	2	2	¾" Square
	754193	2	2	2	2	-	-	1½" Dia. W"O" Ring Groove
24	765211	2	2	2	2	2	2	Valve Seat-Buna "N"-80 Duro
25	761731	2	2	2	2	2	2	Deflector
27	751933	2	2	2	2	2	2	Valve Body Ret. Plate
28	755721	2	2	2	2	2	2	Retainer Plate Snap Ring
29	755223	4	4	4	4	4	4	Valve Linkage Pin Screw
30	754836	2	2	2	2	2	2	Valve Linkage Pin
33	765505	-	2	-	2	-	-	Valve Stem "O" Ring
36	766321	2	2	-	-	2	-	Diaphragm, Relief
	766301	-	-	2	2	-	2	Diaphragm, No Relief
37	761091	2	2	-	-	2	-	Upper Diaphragm Plate
	761041	-	-	1	1	-	1	Upper Diaphragm Plate
38								Lower Diaphragm Plate
	756075	-	-	2	2	-	2	No Bead
	756081	2	2	-	-	2	-	With Bead
39	755363	-	-	2	2	-	2	Stop Stem
	754385	2	2	-	-	2	-	Stop Stem Sub-Ass'y-Self Aligning
	754381							Lower
	754383							Upper
	755739							Retaining Ring (Lower Stem)
	765171							Disc (Rubber)
41	761455	2	2	-	-	2	-	Relief Spring Guide
43	762401	2	2	-	-	2	-	Relief Spring-Brown
44	754941	2	2	-	-	2	-	Stop Stem Guide Bushing
45	761671	2	2	-	-	2	-	Relief Cap
47	761481	2	2	-	-	2	-	Adjustment Spring Guide
	761483	-	-	2	2	-	2	Adjustment Spring Guide
52A	755001	2	2	-	-	2	-	Roll Pin-Stop Stem
	755007	-	-	-	-	2	2	¾" D. x ¾" lg.
	755009	2	2	2	2	-	-	¾" D. x ½" lg.
54	755851	-	-	2	2	-	2	Diaphragm Plate Washer-Lock
56		2	2	2	2	2	2	Adjustment Spring-Specify
	762351							Brown
	762353							Green
	762355							Black
	762357							Blue

ITEM NO.	PART NO.	QUANTITY					DESCRIPTION	
		RD	RM	D	M	R		N
56	762359	2	2	2	2	2	2	Silver
	762361							Yellow
	762671							Red (Nested)
	762673							White (Nested)
	762321							Green/White Stripe
	762323							Silver/Red
	762341							Orange
	762365							Purple
57		1	1	1	1	1	1	Valve Body-Specify Type & Size:
								<u>Straight</u>
	750954							2 x 2 NPT
	750957							2 x 2 NPT with ¼ NPT Pipe Plug
57								<u>Flanged</u>
	750965							2 x 2" ASA 10" Face to Face
	750968							2 x 2" ASA with ¼ NPT Pipe Plug
	750974							2 x 3" ASA 10" Face to Face
	750977							2 x 3" ASA with ¼ NPT Pipe Plug
	750984							2 x 4" ASA 10" Face to Face
	750987							2 x 4" ASA with ¼ NPT Pipe Plug
58		2	2	2	2	2	2	Orifice - Specify Type & Size:
								<u>Straight</u> - Brass - 2¼" Hex †
	758419							¾ Dia.
	758401							½ Dia.
	758416							¾ Dia.
	758404							¾ Dia.
	758407							1 Dia.
	758410							1¼ Dia.
	758413							1½ Dia.
59	761771	2	2	2	2	2	2	Loading Ring
60								Valve Body Pipe Plug
	768433							¼ NPT - Steel
	768431							¼ NPT-Stainless Steel
61	765655	2	2	2	2	2	2	Valve Body Gasket
62	755391	4	4	4	4	4	4	Ret. Plate Screw -
62A	755393	4	4	4	4	4	4	Hex Hd. - ¾-16 x 1½ Lg.
								Ret. Plate Screw - Hex Hd. - ¾-16 x 1 5/16 Lg. - Drilled Head for Wire Seal
64B	755307	24	24	24	24	24	24	Case Screw - Hex Hd. - ¼-20 x 1" Lg. Steel
65	755511	20	20	20	20	20	20	Case Screw Nut
79	755711	6	6	-	-	6	-	Stop Stem Ret. Ring - External
80	765521	2	2	-	-	2	-	"O" Ring Lower Diaph.
91	765525	2	2	2	2	2	2	Orifice "O" Ring

Sub-Assemblies

ITEM NO.	PART NO.	QUANTITY	DESCRIPTION					
	710040	-	2	2	-	2	Upper Diaph. Case - 1" Vent, Sub-Ass'y	
	710045	2	2	-	-	2	Upper Diaph. Case - 2½" Vent, Sub-Ass'y	
	715030	-	-	-	-	2	2	Lower Diaph. Case Sub-Ass'y
								4:1 Ratio - Open Throat
								Lower Diaph. Case Sub-Ass'y
								3:5:1 Ratio - Closed Throat
	715031	-	2	-	2	-	-	With Valve Stem "O" Ring
	715064	2	-	2	-	-	-	w/o Valve Stem "O" Ring
	720029	-	-	2	2	-	2	Diaph. Sub-Ass'y - No Relief
	720033	2	2	-	-	2	-	Diaph. Sub-Ass'y - Relief

Special Tools

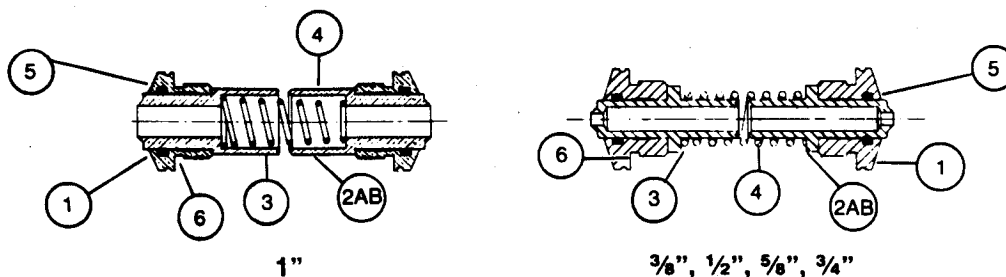
ITEM NO.	PART NO.	DESCRIPTION
	799055	Spring Adjustment Wrench
	799027	Orifice Socket Wrench

* Nested adjustment springs require the purchase of Item No. 3 for regulators manufactured prior to January 1982.

Torque Specifications
 Retainer Plate Screws 100 m. lbs
 Orifice 600 m. lbs
 Orifice (IM) 300 m. lbs
 Margin Screws (Item No. 64B) 50 m. lbs
 Margin Screws (Item No. 64A) 30 m. lbs

B-838-IMN PARTS IDENTICAL TO B-838N PARTS EXCEPT FOR ORIFICE ASSEMBLY
 B-838-IMR PARTS IDENTICAL TO B-838R PARTS EXCEPT FOR ORIFICE ASSEMBLY
 B-838-IMRV PARTS IDENTICAL TO B-838R PARTS EXCEPT FOR ORIFICE ASSEMBLY

Internal Monitor Orifice Assembly



ORIFICE ASSEMBLIES

3/8" & 1/2" ORIFICE COMPONENTS Are Interchangeable with Each Other

ITEM	DESCRIPTION	PART NUMBER
1	Stationary Orifice	758437
2A	3/8" Sliding Orifice (Male)	758471
2B	3/8" Sliding Orifice w/Vent Hole (Male)	758474
2A	1/2" Sliding Orifice (Male)	758477
2B	1/2" Sliding Orifice w/Vent Hole (Male)	758480
3	3/8" Sliding Orifice (Female)	759151
3	1/2" Sliding Orifice (Female)	759153
4	Cut-Off Spring (Red)	762451
5	"O" Ring	765531
6	"O" Ring	765525

5/8" & 3/4" ORIFICE COMPONENTS Are Interchangeable with Each Other

ITEM	DESCRIPTION	PART NUMBER
1	Stationary Orifice	758434
2A	5/8" Sliding Orifice (Male)	758484
2B	5/8" Sliding Orifice w/Vent Hole (Male)	758487
2A	3/4" Sliding Orifice (Male)	758490
2B	3/4" Sliding Orifice w/Vent Hole (Male)	758493
3	5/8" Sliding Orifice (Female)	759155
3	3/4" Sliding Orifice (Female)	759157
4	Cut-Off Spring (Blue)	762453
5	"O" Ring	765533
6	"O" Ring	765525

1" ORIFICE COMPONENTS Not Interchangeable with Other Sizes

ITEM	DESCRIPTION	PART NUMBER
1	Stationary Orifice	758431
2A	1" Sliding Orifice (Male)	758497
2B	1" Sliding Orifice w/Vent Hole (Male)	758498
3	1" Sliding Orifice (Female)	759159
4	Cut-Off Spring (Yellow)	762455
5	"O" Ring	765523
6	"O" Ring	765525

IMN & IMR ORIFICE ASSEMBLY COMPLETE

ITEM	DESCRIPTION	PART NUMBER
58A	3/8" Dia.	759161
	1/2" Dia.	759165
	5/8" Dia.	759171
	3/4" Dia.	759175
	1" Dia.	759181

IMRV ORIFICE ASSEMBLY COMPLETE

ITEM	DESCRIPTION	PART NUMBER
58B	3/8" Dia.	759163
	1/2" Dia.	759167
	5/8" Dia.	759173
	3/4" Dia.	759177
	1" Dia.	759183

WARRANTY

Schlumberger Industries, Highway 127 North, Owenton, Kentucky 40358, warrants this gas product against defects in materials and workmanship for a period of one year from the date the product was shipped by Schlumberger to the original purchaser. During such one-year period, provided that the original purchaser continues to own the product, Schlumberger will, at its sole option, repair any defects, replace the product or repay the purchase price.

This Warranty will be void if the purchaser fails to observe the procedures for installation, operation or service of the product as set forth in the Operating Manual and Specifications for the product or if the defect is caused by tampering, physical abuse or misuse of the product.

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In the event of a malfunction of the product, consult your Schlumberger Service Representative or Schlumberger Industries, Highway 127 North, Owenton, Kentucky 40358.

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