

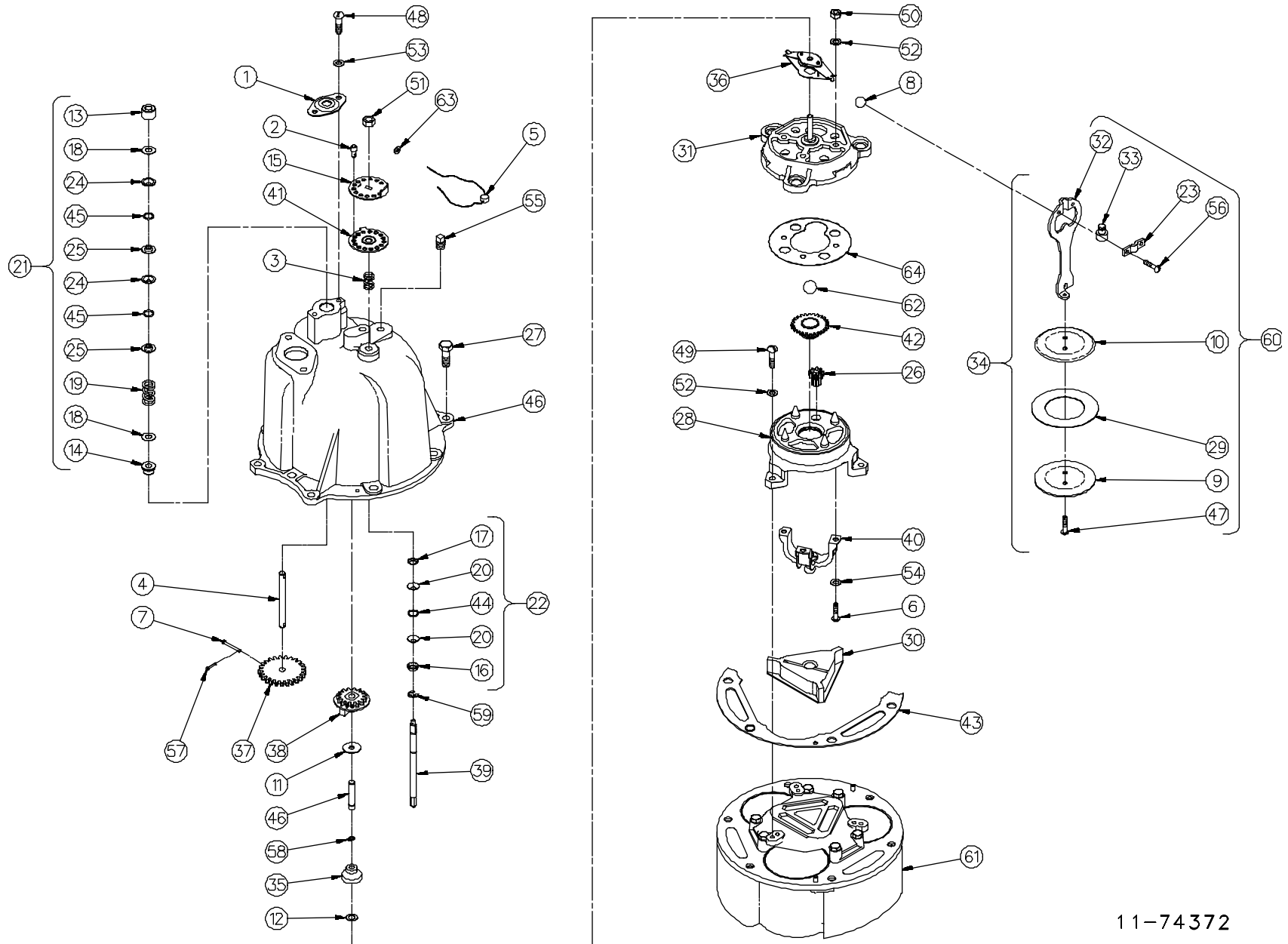
Section

Four

Meters & Pulser Assemblies

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898 POSITIVE DISPLACEMENT TYPE METER



11-74372

MODEL 898 SERIES POSITIVE DISPLACEMENT TYPE METER

Item No.	Part No.	Description	Item No.	Part No.	Description	Item No.	Part No.	Description
1	1-19592	Packing Gland Plate	35	<u>Slack Roller Assembly</u>		54	<u>#14 Lockwasher</u>	
2	1-19602	Seal Pin		219800-1	All models		42-50761	All models
3	1-19743	Compensator Screw Spring	36	221403-1	Slack Spring Assembly	55	01-51911	1/8" Square Head Pipe Plug
4	1-114815	Drive Shaft	37	<u>Drive Shaft Gear</u>		56	#10-32 x 3/8" Long Phillips Pan Head Sems Fastener	
5	1-118849	Seal & Seal Wire (6" Long)		1-222081	Gallons & Liters		28-55431	All models
6	<u>Special Screw</u>			217195-2	Assembly (Imperial Gallons)	57	13-52870	1/16" Dia x 1/4" Long Cotter Pin
	1-119064	All models	38	<u>Counter Drive Gear Complete</u>		58	10-52922	Truarc Retaining Ring
7	1-124144	Drive Shaft Pin		218556-2	Imperial Gallons	59	12-53420	Truarc "E" Retaining Ring
8	1-124588	1/2" Ball		1-222084	Gallons	60	232332-1	Plunger Kit (Contains Plunger Assembly, Bearing Retainer, Bearing Seat & Sems Fastener)
9	1-125069	Plunger Cup Support		1-232282	Liter	61	<u>Body & Seat Assembly With Pins</u>	
10	1-125071	Plunger Disc	39	1-224081	Compensator Shaft		407488-11	All models
11	1-125095	Washer	40	<u>Bracket & Pin Assembly</u>		62	1-130905	5/8" Carbon Ball
12	1-125103	Washer		224709-5	All models	63	04-50600	Washer
13	125118-1	Upper Bearing Assembly	41	1-226085	Index Plate	64	1-217934	Wobble Bearing Plate
14	125154-1	Bearing Assembly	42	<u>Main Pivot Assembly</u>				
15	1-125243	Compensator Index Disc		125079-1	All models			
16	1-125308	Seal Half	43	1-38083	Meter Body Gasket			
17	1-125309	Seal Wedge	44	5-318940	"O" Ring (.362 Dia.)			
18	1-125315	Washer	45	6-318940	"O" Ring (.487 Dia.)			
19	1-125357	Packing Spring	46	420557-1	Meter Cover And Gear Post Assy			
20	1-125360	Seal	47	287-50001	#10-32 x 3/8" Long Round Head Machine Screw			
21	125420-1	Meter Drive Shaft Packing Kit	48	326-50001	#12-24 x 1/2" Long Round Head Machine Screw			
22	125478-1	Compensator Shaft Seal Kit	49	<u>1/4-20 x 3/4" Long Round Head Machine Screw</u>				
23	<u>Bearing Retainer</u>			399-50001	All models			
	1-125966	All models	50	<u>1/4-20 Hex Nut</u>				
24	1-126898	Seal (Black)		01-50301	All models			
25	1-126902	Seal Retaining Ring	51	02-50301	5/16-18 Hex Nut			
26	1-129607	Compensator Pinion	52	<u>1/4" Lockwasher</u>				
27	65-50361	3/8-16 x 1" Long Hex Head Cap Screw		13-50641	All models			
28	218236-2	Main Pivot Bracket Assy. With Pins	53	24-50761	#12 Lockwasher			
29	218769-1	Plunger Cup Kit (Set Of 3 Cups)						
30	1-219330	Valve						
31	219331-1	Wobble Plate With Slack Roller Post						
32	1-219377	Connector						
33	1-219378	Bearing Seat						
34	219407-2	Plunger Assembly						

For complete Meter Cover Assembly order:

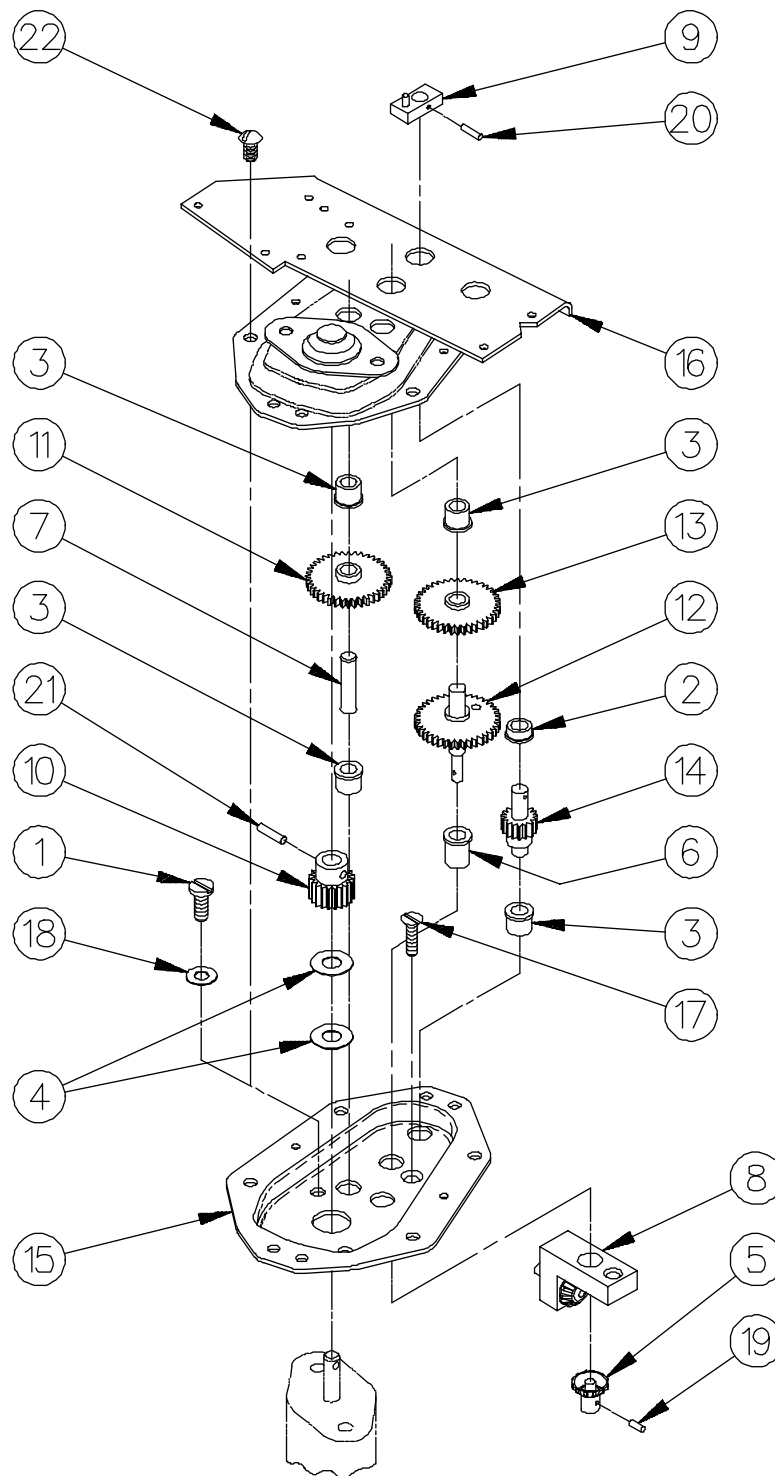
(Item no. 5 & 46 not included)
 407494-1 Gallons
 407494-5 Imperial Gallons
 415282-30 Liters

For complete Final Assembly (898-K Meter) order:

407726-10 Gallons
 416873-25 Imperial Gallons
 416873-32 Liters

 11-74372

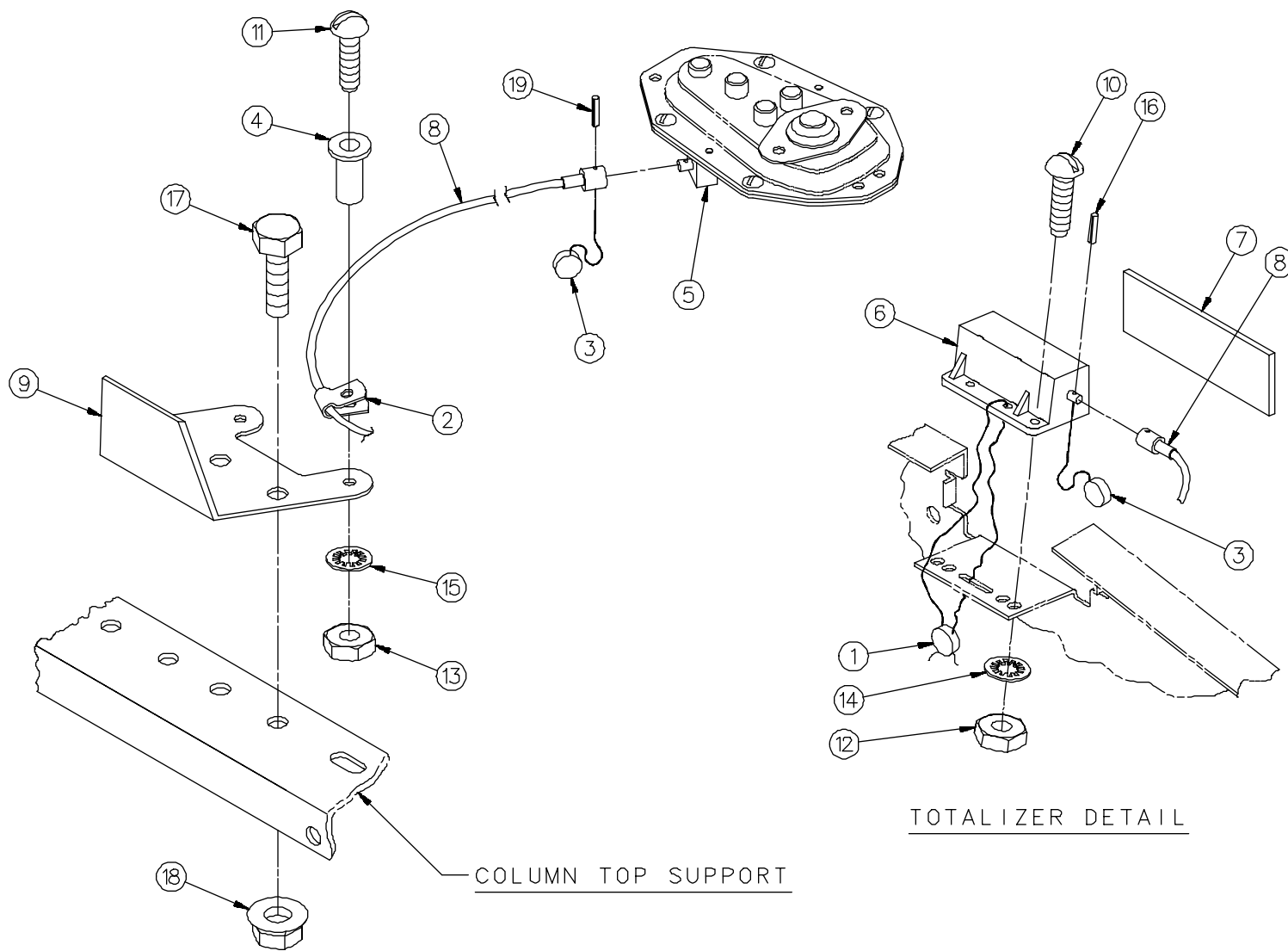
262A GEAR TRAIN ASSEMBLY



2-73790

Page 4-5

CABLE DRIVE TOTALIZER ASSEMBLY (262A SERIES)



3-741441

1 of 1

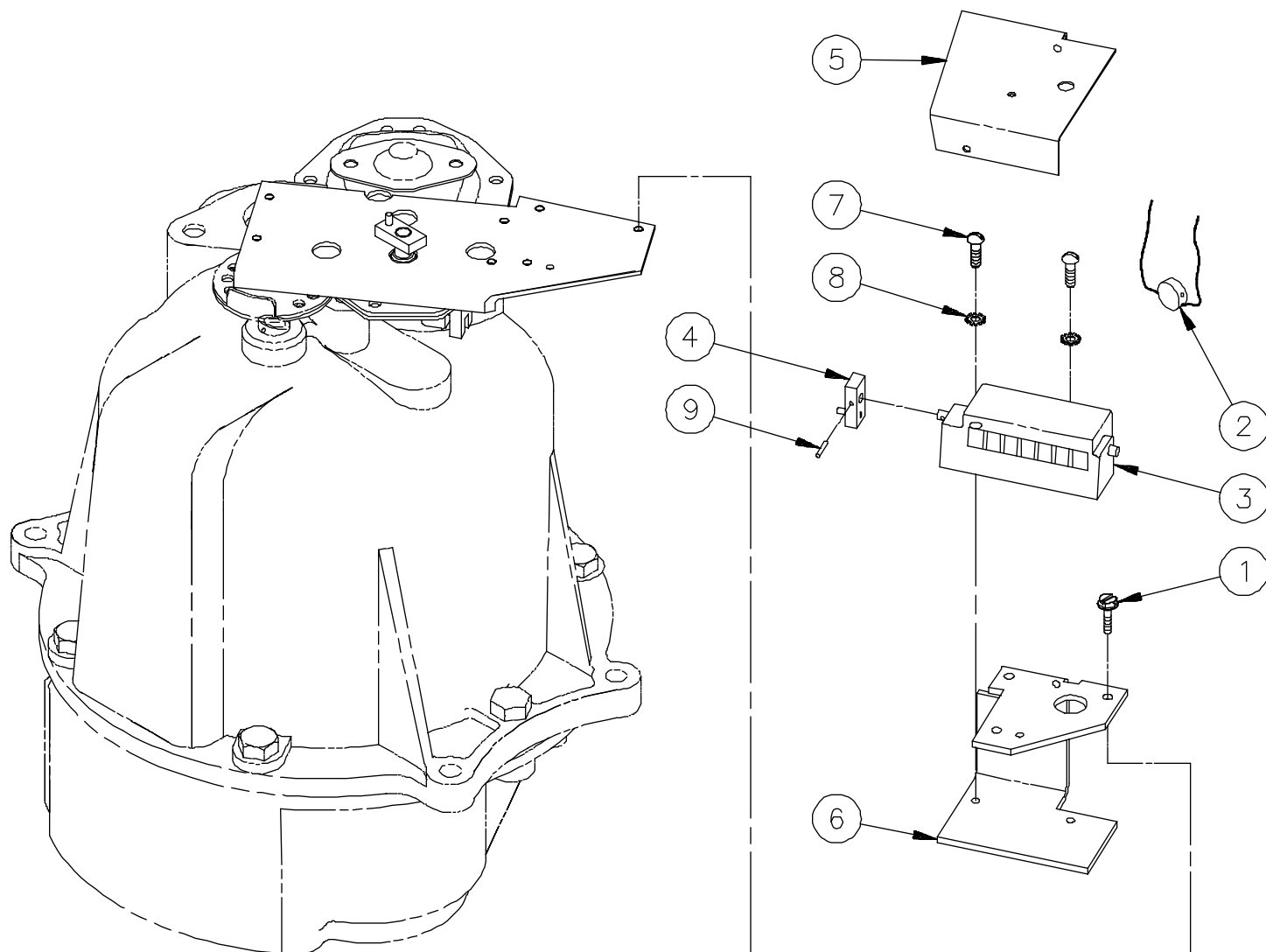
CABLE DRIVE TOTALIZER ASSEMBLY

Model 262A Series

Item	Part No.	Description	Item	Part No.	Description
1	<u>Seal Wire & Seal</u>		9	1-317086	Lock Plate
	1-118850	All models except listed below	10	96-50001	6-32 x 1/2" Long Round Head Machine Screw
	1-118849	262AFL-M/MS/MM-HV-LCS-RC, 262A-M-HV-LCS-RC	11	96-50001	6-32 x 1/2" Long Round Head Machine Screw
2	4-127291	Cable Clamp		1-228380	Blind Rivet
3	<u>Seal Wire & Seal</u>		12	03-50211	6-32 Hex Nut
	1-131438	All models except listed below	13	03-50211	6-32 Hex Nut (Not used with blind rivet)
	1-118849	262AFL-M/MS/MM-HV-LCS-RC, 262A-M-HV-LCS-RC	14	21-50761	#6 Lockwasher
4	4-131156	Tubular Eyelet(Not used with blind rivet)	15	21-50761	#6 Lockwasher (Not used with blind rivet)
5	224992-10	Gear Block Assembly	16	03-52901	Roll Pin
6	<u>Totalizer</u>		17	35-54742	5/16-18 x 5/8" Long M-F Hex Head Whiz Lock Screw
	1-227146	Gallons	18	02-54752	5/16-18 M-F Flange Whiz Lock Nut
	2-227146	Liters	19	04-52901	Roll Pin
7	2-227437	Window	For complete Totalizer Assembly order:		
8	<u>Drive Cable</u>		316522-9	All except Listed Below (Gallons)	
	1-317040	Twin	316522-5	262A/AFL-2-TW (Gallons)	
	3-317040	Single	316522-6	262A-2-TW (Litre)	
	4-317040	262AFL-M/MS-RC, 262AFL-M-1-RC-TW	316522-10	262A & 262A-1-TW (Litre)	
	1-319480	262AFL-M/MS/MM-HV-LCS-RC, 262A-M-HV-LCS-RC	316522-11	262AFL-M/MS-RC, 262AFL-M-1-RC-TW (Gallons)	
			316522-12	262AFL-M (Litre)	
			316522-13	262A/AFL-2-TW (1/10 Gallon)	
			3-741441		

TOTALIZER ASSEMBLY

(INSIDE MOUNTING)



1-72235

1-72235

1 of 1

TOTALIZER ASSEMBLY (Inside Mounting)

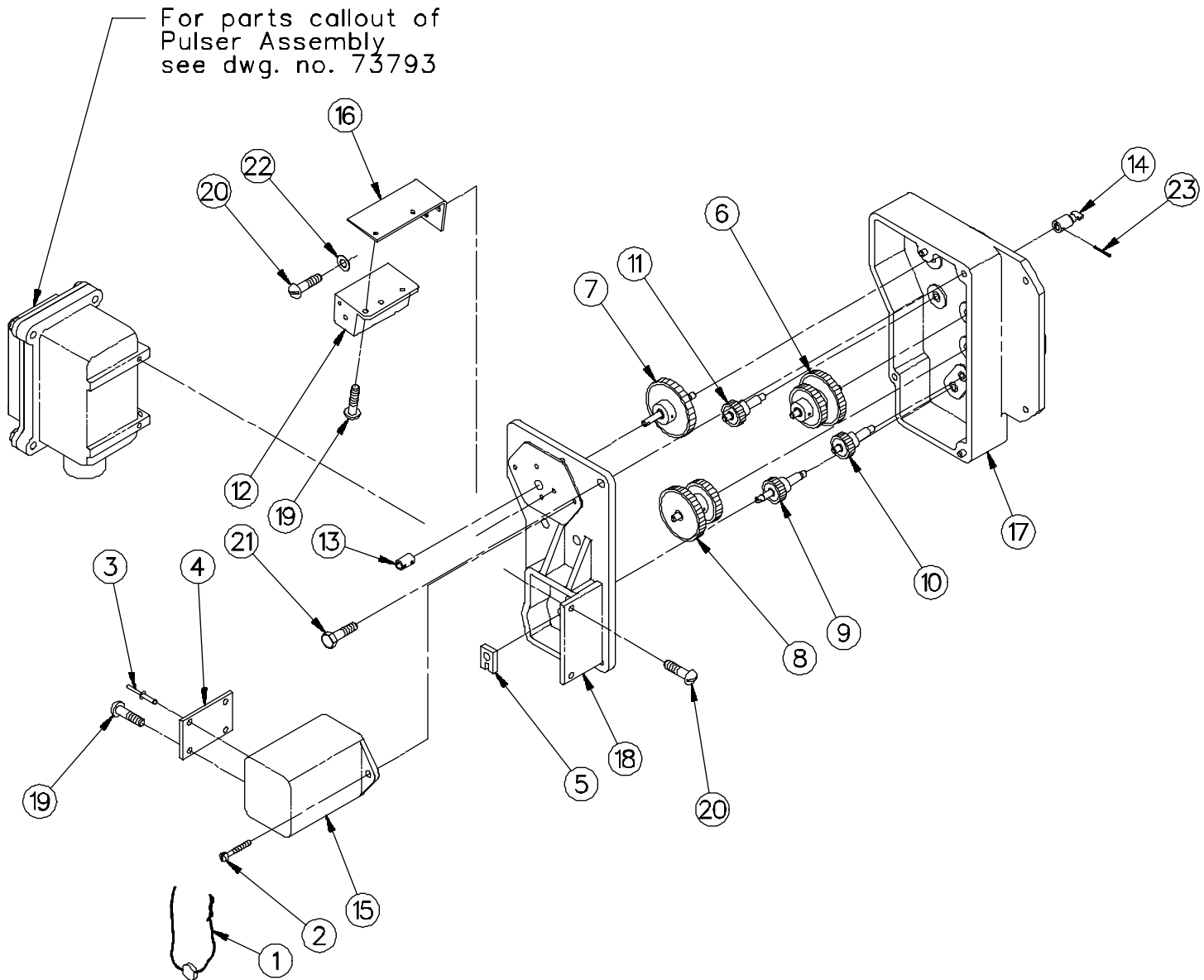
<u>Item</u>	<u>Part No.</u>	<u>Description</u>
1	1-130465	#6-32 x 3/8" Long Hex Slotted Head Thread Cutting Screw
2	1-131438	Seal Wire & Seal
3	1-225008	Totalizer
4	225042-2	Coupling Half Assembly
5	1-225367	Seal Plate
6	1-225921	Totalizer Support
7	88-50001	#6-32 x 1/4" Long Round Head Machine Screw
8	06-50641	#6 Split Lockwasher
9	09-51221	1/16" Dia x 3/8" Long Groov-Pin

For complete Totalizer Assembly order:

225062-5 (Item #1, 2 & 5 not included)

1-72235

PULSER & GEAR BOX ASSEMBLY FOR 262A/FL



1-73778

1-73778

1 of 1

PULSER AND GEAR BOX ASSEMBLY (262A-FL)

Item	Part No.	Description	Item	Part No.	Description
1	1-120282	Seal Wire & Seal	16	1-316536	Totalizer Bracket
2	1-130456	#8-32 x 3/8" Long Seal Screw	17	<u>Housing & Bearing Assembly</u>	
3	1-130463	Pop Rivet	316551-2		Gallons
4	1-131371	Window	316551-3		Litre
5	225042-5	Coupling Half Assembly	18	<u>Cover & Bearing Assembly</u>	
6	227461-2	Drive Shaft Assembly	316567-2		262A/AFL-M-HV-LC-RC (Gallons) (Left Side Totalizer)
7	<u>Totalizer Drive Assembly</u>		316567-3		262AFL-MS-HV-LCS-RC (Gallons) (Right Side Totalizer)
	227462-1	Gallons	316567-4		262AFL-HV-LCS-RC (Litre)
	227462-2	Litre			
8	<u>Idler Assembly</u>		19	90-50001	#6-32 x 5/16" Long Round Head Machine Screw
	227463-2	Gallons	20	170-50001	#8-32 x 3/8" Long Round Head Machine Screw
	227463-3	Litre	21	02-50361	1/4-20 x 5/8" Long Hex Head Cap Screw
9	<u>Pulser Drive Assembly</u>		22	08-50641	#8 Lockwasher
	227464-1	Gallons	23	04-52901	1/16" Dia x 3/8" Long Roll Pin
	227464-2	Litre			
10	Idler Assembly				
	227465-1	Gallons			
	227465-3	Litre			
11	227465-2	Idler Assembly			
12	Totalizer Assembly				
	227470-1	262A/AFL-M-HV-LC-RC (Gallons) (Left Side Drive)			
	227470-2	262AFL-MS-HV-LCS-RC (Gallons) (Right Side Drive)			
	227470-3	262AFL-HV-LCS-RC (Litre)			
13	227490-1	Pin & Coupling Assembly			
14	1-230309	Coupling			
15	1-316527	Totalizer Guard			

For complete Pulser & Gear Box Assembly order:

(Includes Totalizer Assembly)

- 416935-3 262A/AFL-M-HV-LC-RC (Gallons) (Left Side Totalizer)
- 416935-4 262AFL-MS-HV-LCS-RC (Gallons) (Right Side Totalizer)
- 416935-5 262AFL-HV-LCS-RC (Litre)

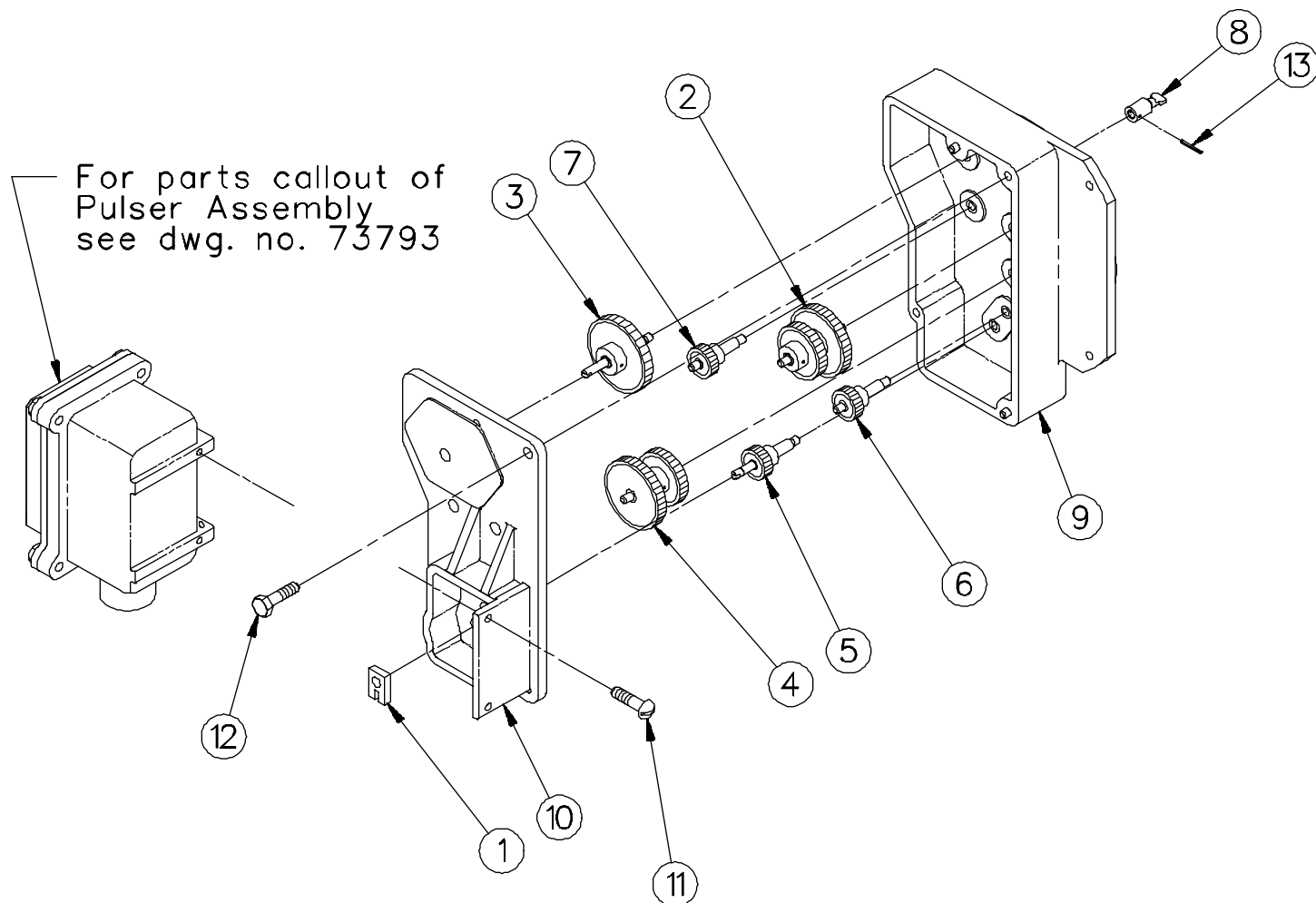
For complete Gear Box Assembly order:

- 416935-6 262A/AFL-M-HV-LC-RC (Gallons) (Left Side Totalizer)
- 416935-7 262AFL-MS-HV-LCS-RC (Gallons) (Right Side Totalizer)
- 416935-8 262AFL-HV-LCS-RC (Litre)

1-73778

PULSER & GEAR BOX ASSEMBLY

(262A/FL-M-HV-LCS-RC)
(TOTALIZER CABLE DRIVE)



1-73894

1-73894

1 of 1

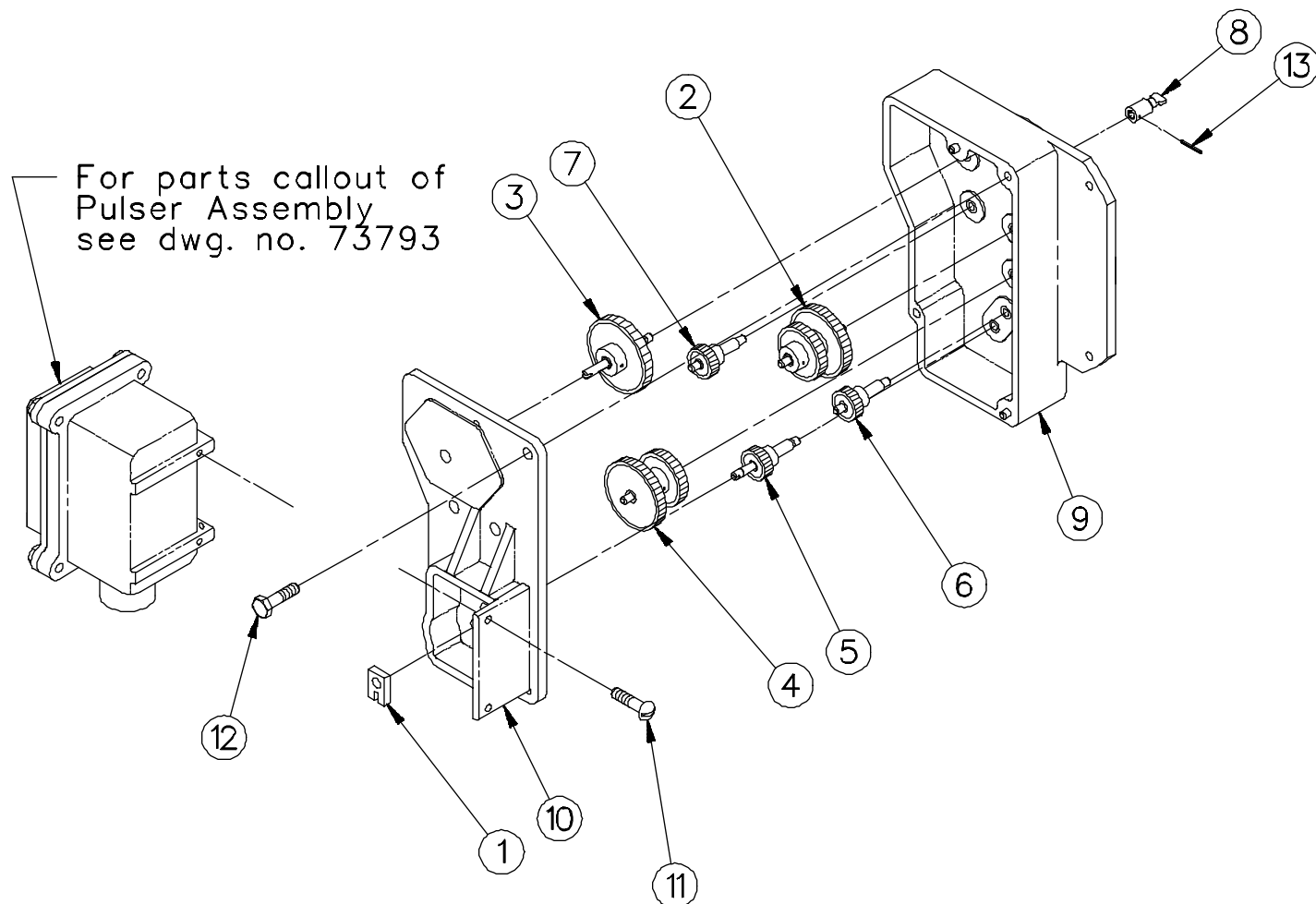
PULSER AND GEAR BOX ASSEMBLY (262A-FL-M-HV-LCS-RC) (Totalizer Cable Drive)

Item	Part No.	Description	Item	Part No.	Description
1	225042-5	Coupling Half Assembly	9	<u>Housing & Bearing Assembly</u>	
2	227461-2	Drive Shaft Assembly	316551-2	Gallons	
3	<u>Totalizer Drive Assembly</u>		316551-3	Litre	
	227462-3	Gallons	10	<u>Cover & Bearing Assembly</u>	
	227462-4	Litre	316567-5	Gallon	
4	<u>Idler Assembly</u>		316567-6	Litre	
	227463-2	Gallons	11	174-50001	#8-32 x 1/2" Long Round Head Machine Screw
	227463-3	Litre	12	02-50361	1/4-20 x 5/8" Long Hex Head Cap Screw
5	<u>Pulser Drive Assembly</u>		13	04-52901	1/16" Dia x 3/8" Long Roll Pin
	227464-1	Gallons	For complete Pulser & Gear Box Assembly order: (Includes Totalizer Assembly) 416935-9 Gallon 416935-10 Litre		
	227464-2	Litre			
6	<u>Idler Assembly</u>				
	227465-1	Gallons	For complete Gear Box Assembly order: 416935-11 Gallon 416935-12 Litre		
	227465-3	Litre			
7	227465-2	Idler Assembly			
8	1-230309	Coupling			

1-73894

PULSER & GEAR BOX ASSEMBLY

(262A/FL-M-HV-LCS-RC)
(TOTALIZER CABLE DRIVE)



1-73894

1-73894

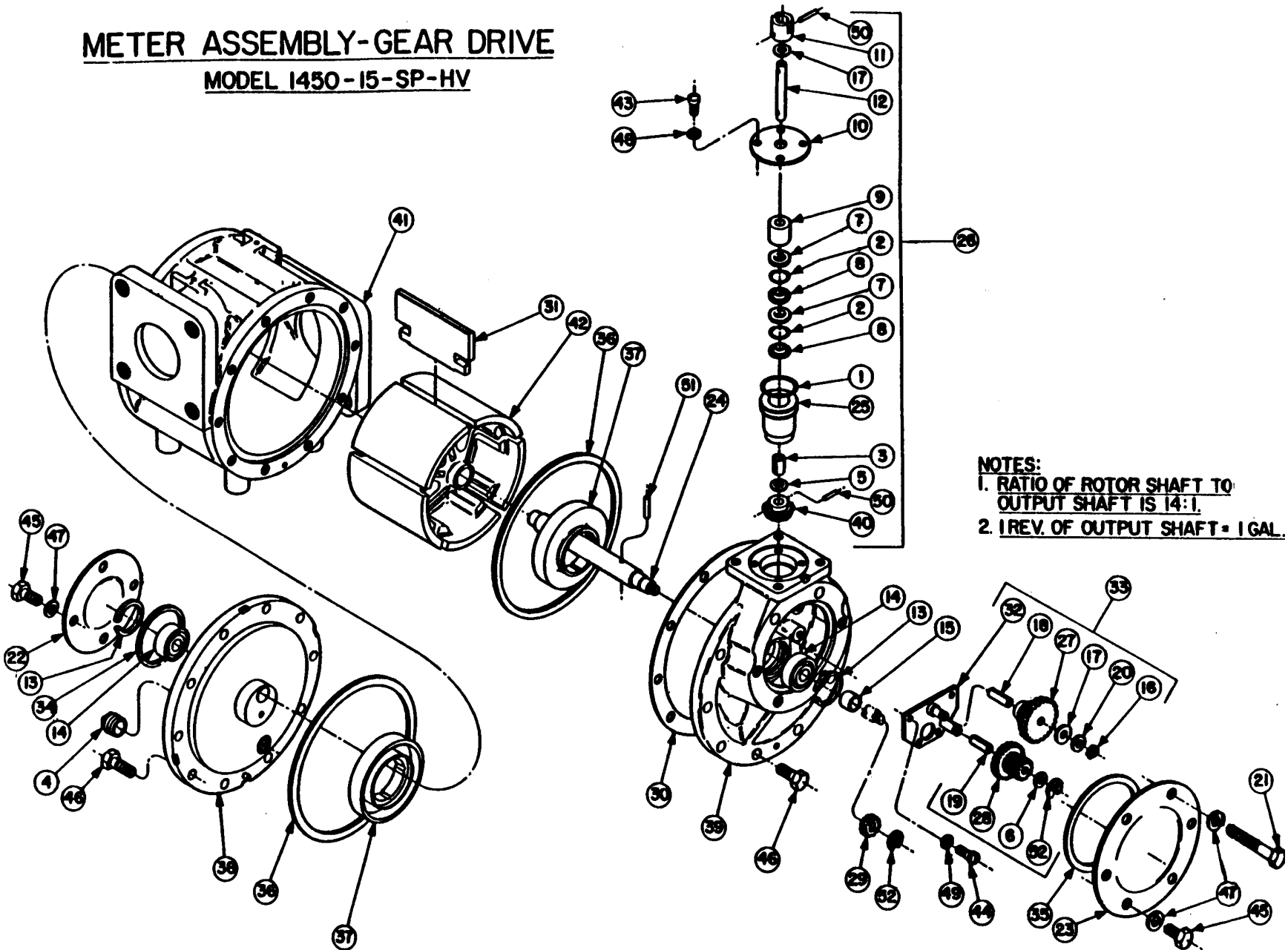
1 of 1

PULSER ASSEMBLY for 262A (Model 88D)

Item	Part No.	Description	Item	Part No.	Description
1	1-120282	Seal & Seal Wire (16" Long)	16	417694-1	Pulser Board Assembly
2	1-126182	Washer	17	03-50361	1/4-20 x 3/4" Long Hex HeadCap Screw
3	1/2" x 90° Conduit Street Elbow		18	20-50721	#6-32 x 1/4" Long Hex Socket Headless Cup Point Set Screw
	1-128035	262AFL-MS-HV-RC Conduit	19	03-50761	#6 Shakeproof Lockwasher
	4-227372	262A, 262A-RC, 262A-1-TW, 262A-HD-1-TW	20	04-52482	Truarc Retaining Ring
	1-230943	Nipple (262A-HS)	21	03-52920	Truarc Retaining Ring
	1-318928	262AFL-M/MS-RC, 262AFL-M-1-RC-TW	22	07-52922	Truarc Retaining Ring
	01-50710	Nipple (262A-2-TW & 262A Canada)	23	1-118850	Seal Wire & Seal
4	1-130465	#6-32 x 3/8" Long Hex Slotted Head Thread Cutting Screw	24	1-127940	Hex Head Seal Screw
5	1-131508	Washer	25	1-131314	Shaft
6	1-217337	Conduit Tee (262A-2-TW)	26	1-227288	Bracket
	1-219892	Expansion Union (262A/A-RC, 262A-1-TW, 262A/AFL-M-HV-LC-RC & 262AFL-MS-HV-LC-RC, 262AFL-M/MS-RC, 262AFL-M-1-RC-TW)	27	1-227289	Clip
8	1-228106	Gear	28	05-50211	#10 Hex Nut
9	228114-1	Shaft Assembly	29	10-50641	#10 Lockwasher
10	Disc & Bearing Assembly		Reference: 231109-1 Sensor Housing Assembly		
	228154-1	All models except listed below	For complete model 88D Pulser Assembly order:		
	228154-2	262A/AFL-M/MS-HV-LC-RC	417759-3	262A/A-RC	
11	1-316688	Pulser Box Cover	417759-4	262A-1-TW (Hose #1)	
12	1-317097	Sensor Housing	417759-5	262A-2-TW	
13	Box Support		417759-7	262A/AFL-M-HV-LC-RC	
	1-317099	All models except listed below	417759-8	262A-2-TW (3/4 h.p. motor)	
	2-317099	262A (Canada), 262A/AFL-M/MS-HV-LC-RC	417759-9	262AFL-RC, 262AFL-M-RC, 262AFL-MS-RC, 262AFL-M-1-RC-TW	
14	Pulser Box & Bearing Assembly		417759-12	262A, 262A-RC, 262A-1-TW (Hose #1), 262A-1/2-RC-TW, 262A-HD	
	317101-1	All models except listed below	417759-13	262A-1-TW (Hose #1)	
	317101-2	262A/AFL-M-HV-LC-RC & 262AFL-MS-HV-LC-RC	417759-14	262A-2-TW	
15	Wire Harness Assembly		417759-15	262A-HS	
	317473-2	262A, 262A-RC, 262A-2-TW & 262AFL-RC-MS	417759-16	262AFL-MS-HV-LCS-RC	
	317473-3	262A-1-TW	417759-17	262A-HD-1-TW (Hose #1)	
	317473-5	262A/AFL-M-HV-LC-RC			
	317473-6	262A-2-TW			
	317473-8	262A-HS			
	317473-9	262AFL-MS-HV-LC/LCS-RC			
	317473-10	262A-HD-1-TW			

2-73793

METER ASSEMBLY-GEAR DRIVE **MODEL 1450-15-SP-HV**



- NOTES:**
 1. RATIO OF ROTOR SHAFT TO OUTPUT SHAFT IS 14:1.
 2. 1 REV. OF OUTPUT SHAFT = 1 GAL.

1-741162

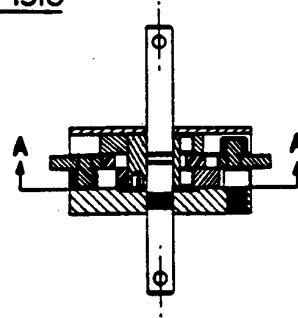
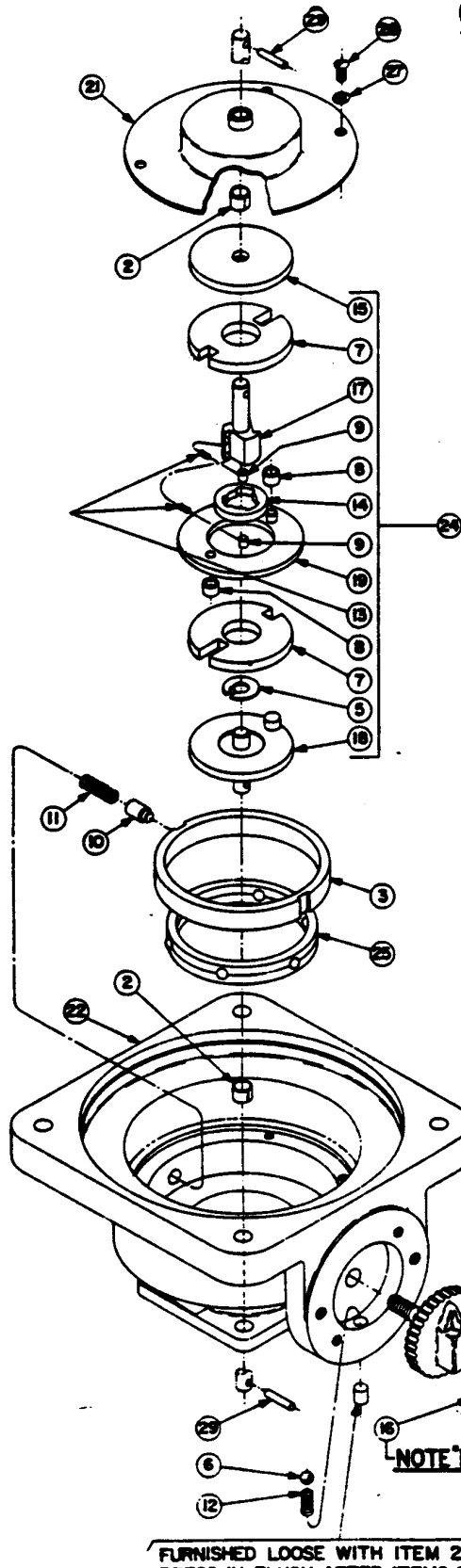
Item	Part No.	Description	Item	Part No.	Description
1	17-37106	"O" Ring	31	Blade	(Proper blade determined by using blade identifier letter stamped on serial # plate.)
2	15-38210	"O" Ring			
3	5-125117	Bearing Insert		1-225077	Blade "A"
4	2-125936	1/4 Square Head Pipe Plug		2-225077	Blade "B"
5	1-126182	Washer		3-225077	Blade "C"
6	1-126341	Washer		4-225077	Blade "D"
7	2-126898	Seal			
8	1-126902	Seal Retaining Ring	32	226143-1	Gear Plate & Shaft Assembly
9	1-127617	Upper Bearing	33	226144-1	Gear Train Assembly
10	1-127618	Packing Gland Plate	34	22-311105	Gasket
11	1-127619	Coupling	35	36-311105	Gasket
12	1-127620	Drive Shaft	36	44-311105	Gasket
13	2-127672	Retaining Ring	37	2-311803	Blade Ring
14	1-127673	Bearing	38	311804-1	Cover Assembly (Includes Items 13 & 14)
15	1-127821	Spacer	39	311805-1	Gear Cover & Pin Assembly (Includes Items 13 & 14)
16	1-127863	Retaining Ring Type 5100	40	3-315174	Miter Gear (24 Teeth)
17	1-128068	Washer	41	1-410797	Meter Body
18	1-128075	Bearing	42	1-415582	Rotor
19	3-128075	Bearing Insert	43	88-50183	#10-24 X 3/8 Long Fillister Head Machine Screw
20	1-128087	Washer			
21	1-129168	Seal Screw	44	119-50183	#12-24 X 3/8 Long Fillister Head Machine Screw
22	1-221454	Bearing Cover			
23	1-221455	Inspection Cover	45	01-50361	1/4-20 X 1/2 Long Hex Head Cap Screw
24	1-221456	Rotor Shaft Assembly (Includes Item 51)	46	03-50361	1/4-20 X 3/4 Long Hex Head Cap Screw
25	1-221546	Packing Capsule	47	13-50641	1/4 Lockwasher
26	221547-1	Packing Capsule Assembly	48	23-50763	#1210 Shakeproof Lockwasher
27	222014-6	Gear Assembly (48/24 Teeth) (Includes Item 18)	49	24-50763	#1212 Shakeproof Lockwasher
28	222015-6	Gear Assembly (42/12 Teeth) (Includes Item 19)	50	25-51323	Groov-Pin "Type 5" 3/32 Dia X 5/8 Long
29	2-222749	Gear (12 Teeth)	51	41-51341	Groov-Pin 1/8 Dia X 5/8 Long
30	Shim (Specify Number Of Each Color Req,d.)		52	05-53420	Truarc retaining Ring Type 5133
	1-222795	"Red"			
	2-222795	"Green"			

Order: 1-317328 for complete Meter Assembly w/ calibrator

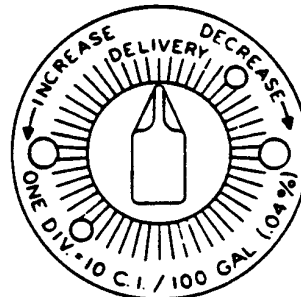
1-741162

CALIBRATOR ASSEMBLY

MODEL 1510



VIEW A-A
VIEW SHOWING POSITION
OF SPRINGS & ROLLERS
IN CLUTCH ASSEMBLY.



SEALED ADJUSTMENT DIAL

NOTE 'B' IF TEST MEASURE SHOWS LESS THAN
METER-INCREASE ADJUSTMENT.
IF TEST MEASURE SHOWS MORE THAN
METER-DECREASE ADJUSTMENT.

FOR MOUNTING HARDWARE, SEE
GENERAL ASSEMBLY DRAWING.

FURNISHED LOOSE WITH ITEM 22.
PRESS IN FLUSH AFTER ITEMS 6, 12,
20, 16 & 26 HAVE BEEN ASSEMBLED.

4-74285

MODEL 1510 CALIBRATOR ASSEMBLY

<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	1-118849	Seal Wire & Seal
2	4-125117	Bearing Insert
3	1-127630	Control Ring
4	2-127634	Special Thumb Screw
5	1-127635	Clutch Washer
6	1-127636	Ball 3/16 Diameter
7	1-127638	Washer
8	1-127639	Roller
9	1-127641	Roller
10	1-127644	Guide Pin
11	1-127648	Spring
12	1-127649	Spring
13	1-127650	Spring
14	1-127652	Clutch Spacer
15	1-127661	Retaining Disc
16	1-221418	Dial Plate
17	221419-1	Clutch Core Assembly
18	221420-1	Drive Disc Assembly
19	221421-1	Stroke Ring Assembly
20	221423-1	Knob Assembly
21	221426-1	Cover Assembly
22	221428-2	Housing & Bearing Assembly (With Plugs)
23	1-221429	Dial Cover
24	311790-1	Clutch Assembly
25	1-311843	Ball Retainer Complete
26	166-50001	#8-32 X 1/4 Long Round Head Machine Screw
27	03-50761	#1106 Shakeproof Lockwasher
28	13-51441	#6 X 5/16 Long. Round Head Self-Tapping Screw
29	49-52901	Roll Pin 1/8 Diameter X 5/8 Long

For Complete calibrator assembly order: 410770-2

4-74285