

Dresser Meters & Instruments Parts and Repair R-10



Parts List/Repair Procedures

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General

This section consists of an Item Number, Part Number and cross-reference description of parts for most meters incorporating materials of standard construction and with standard gear reduction ratios. Contact Dresser Natural Gas Solutions (NGS) for part numbers applicable to meters of specialty construction and those having non-standard gear ratios.

Pricing

Prices shown are List and Company discount applies.

Size (Models)	Gear Reduction Type	Cylinder Material	Page Reference
A. POLICY AND PROCEDURES			R-10-1
B. METERS			
8C, 11C, 15C	Mag-Coupled – Series B	Aluminum	R-10-3
2M, 3M, 5M	Mag-Coupled – Series B	Aluminum	R-10-4
7M, 11M, 16M	Mag-Coupled – Series B	Aluminum	R-10-5
23M175, 38M175, 56M175	Mag-Coupled – Series B	Aluminum	R-10-6
23M232	Mag-Coupled-Series B	Aluminum	R-10-8
1M300	Mag-Coupled – Series B-HP	Aluminum	R-10-9
3M300	Mag-Coupled – Series B-HP	Aluminum	R-10-10
1M740/1480 & 3M740/1480	Mag-Coupled – Series B-HPC	Cast Steel	R-10-11
5M1480, 7M1480, 11M1480	Mag-Coupled – Series B-HPC	Cast Steel	R-10-12
8C	Eveloid	Aluminum	R-10-14
1.5M, 3M, 5M, 7M, 11M, 16M	Mag-Coupled – Series A	Aluminum	R-10-17
23M, 38M, 56M, 102M	Mag-Coupled – Series A	Cast Iron	R-10-20
Repair Assembly #399	Mag-Coupled - Series 1		R-10-24
Repair Assembly #399	Mag-Coupled - Series 3		R-10-26
Repair Assembly #399	Mag-Coupled - Series 3 HPC		R-10-27
Repair Assembly #401	Mag-Coupled - Series 3 & Series 3 HPC		R-10-28
Repair Assembly #409	Mag-Coupled - Series 1, Series 3 & Series 3 HPC		R-10-29
Repair Assembly #400	Series 1 (LMMA)		R-10-30
Repair Assembly #400	Series 3		R-10-31
Repair Assembly #400 S3A	Series 1 (LMMA)		R-10-41
C. ACCESSORY PARTS	Miscellaneous Parts & Accessories		R-10-45
D. PROVERS	Model 5 Prover		R-10-51

Please read the following before ordering parts or returning Meters and/or material for service.

Parts - Minimum invoice of \$50.00 net.

Replacement parts are grouped into three (3) classifications:

Class A - Parts replaceable only as an Assembly.

Class B - Parts replacement beyond the average shop capacity.

Class C - Parts replacement is within the average shop capacity by individual with average mechanical and instrument skills.

NOTE: To order any parts or assemblies, complete description of the part is necessary. Specify the following.

The following parts are for:

Model No (i.e., 3M175). Series (i.e. B Body).

Type (i.e., CTR, TC, CD, TD)

Top Inlet or Side Inlet

CW or CCW rotation

Bill of Material Number or Serial Number.

If the meter and/or accessory unit is not of standard materials of construction, specify on Purchase Order to assure complete material compatibility (i.e., specify "For Acetylene Service" or "Special Service Meter"). Part Numbers on the following pages are for meters of standard materials and construction only. Quotes for special materials are available upon request.

All Part Numbers refer to standard materials of construction. Individual parts ordered that are part of an Assembly will be supplied as an Assembly only.

The Part Numbers listed in this publication are for the most recent Bills of Materials (BOMs) at the time of printing. As products become obsolete or are no longer available, Dresser NGS will not accept orders for these items. The availability of listed items may change without notification.

Return Policy

Parts are non-returnable except under special conditions and subject to a minimum of 15% restocking fee. If a part or product was supplied as the result of an error on the part of Dresser NGS, full credit will be issued or the material replaced. All returns must meet the following criteria:

- The part or product is not used, is of current design and is received by our Receiving Department
- in "New" condition.
- It has shipped within the last 6 months.
- It is not a "special" – i.e., built to customer specifications and /or is not reusable.

All returns must follow our RMA procedures.

Meter Service Programs

For more information on the Meter Service and Repair Programs provided by Dresser Natural Gas Solutions, please contact the location in your geographic region.

For the U.S. and Canada
Dresser Meters & Instruments
16240 Port Northwest Drive
Houston, Texas 77041-2645

In United Kingdom
Dresser Meters & Instruments
Natural Gas Solutions (UK) Limited
22 Grimrod Place
Skelmersdale UK, WN8 9UU
T:+ 44 (0) 1695 62600

Distinct service levels with estimated prices are established. Request a Product Services brochure for complete description of components and service included with each level. For any meter requiring service beyond that covered under our normal service levels, our Product Services Department will advise additional cost to repair after inspection and request authorization to proceed.

No work will be performed on any product not received in accordance with our Return Material Authorization (RMA) procedure. Please contact your Dresser Natural Gas Solutions representative for additional information.

Series B Meter Body - Line Mounted 8C, 11C, 15C

Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft	4	B	012676-000
3	Clamp, Gear	2	C	053378-000
5	Bearing Clamp	1	C	061697-000
7	Sleeve, Bearing Placement	4	B	051621-000
21	Retaining Ring	2	C	011823-005
22	Cover Assembly - Counter End	1	C	053055-000
28	Cover Assembly - Gear End	1	C	051609-000
31	Cap Screw (1/4-20 NC3X1)	7	C	010055-004
36	Screw, Flat, Hex Head, Self Locking (6-32 NC2X5/8)	1	C	012675-003
36a	Washer, Locking	1	C	012684-001
37	Timing Gears (set only)	1 set	C	051640-000
40a	Sight Gauges, Oil Level (9/16 -18 UNF3)	4	C	054851-000
41	Headplate, Counter End	1	B	051679-001
42	Headplate, Gear End	1	B	051680-001
43	Impeller and Shaft Assembly 8C 11C 15C	2	B	Consult Factory [†]
47	Nameplate [†]	1	C	052023-XXX
49a	Plug, Hex (9/16-18 NF2)	8	C	012261-005
54	Seal, O-Ring for #40 and #49	12	C	000568-906
55	Seal, O-Ring Headplate (3 1/2 X 3 3/4 X 1/8)	2	C	000568-238
59	Washer, Flat (9/32 X 1/2 X 1/16)	8	C	010181-020
79	Cap Screw, Drilled (1/4-20 NC3 X 1)	1	C	011863-004
90	Oil Slinger, Gear End	1	B	012667-000
90a	Oil Slinger, Counter End	1	B	012668-000
94	Cap Screw, Socket Head, Locking (6-32 NC3 X 1/2)	3	C	000145-238
95	Cap Screw, Hex Head (6-32 NC X 5/16)	4	C	011925-031
123	Cap Screw, Socket Head (10-24 NC X 5/8)	8	C	011925-048
162	Pipe Plug, Dry Seal (1/4 NPFT)	2	C	000500-003
175	Wheel Assembly Clamp (Nylon)	1	C	051607-000
178	Magnet Cup	1	C	060629-001
180	O-Ring, Magnet Cup (11/16 X 13/16 X 1/16)	1	C	000568-908
208	Clamp, Bearing Shaft	1	C	051637-000
227	Washer, SLG	8	C	011974-003
293a.	Retaining Ring (7/16)	1	C	012659-011
911	Tack, Metal	4	C	012319-002

[†] Bill of Material Number and Serial Number on the meter nameplate must be specified.

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Series B Meter Body - Line Mounted 2M, 3M, 5M
Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft	4	B	012677-000
3	Clamp, Gear	2	C	012703-000
5	Bearing Clamp	1	C	061022-000
7	Sleeve, Bearing Placement	4	B	051669-000
21	Retaining Ring	2	C	011823-011
22	Cover Assembly - Counter End	1	C	053056-000
28	Cover Assembly - Gear End	1	C	051677-000
31	Cap Screw (1/4-20 NC3X1 1/4)	11	C	010055-004
36	Screw, Flat, Hex Head, Self Locking (10-32 NCX7/8)	1	C	011858-006
36a	Washer, Locking	1	C	012684-003
37	Timing Gears (set only)	1 set	C	044330-000
40a	Sight Gauges, Oil Level	4	C	054851-000
41	Headplate, Counter End	1	B	051921-001
42	Headplate, Gear End	1	B	051922-001
43	Impeller and Shaft Assembly 2M 3M 5M	2	B	Consult Factory [†]
47	Nameplate [†]	1	C	052023-XXX
49a	Plug, Hex (9/16-18 NF2)	8	C	012261-005
54	Seal, O-Ring for #40a and #49a	12	C	000568-906
55	Seal, O-Ring Headplate (5 1/8 X 4 7/8 X 1/8)	2	C	000568-249
59	Washer, Flat (9/32 X 1/2 X 1/16)	12	C	010181-020
79	Cap Screw, Drilled (1/4-20 NC3 X 1 1/4)	1	C	011863-004
90	Oil Slinger, Gear End	1	B	012685-000
90a	Oil Slinger, Counter End	1	B	012673-000
94	Cap Screw, Socket Head, Locking (10-32 NF3 X 3/4)	3	C	000141-069
123	Cap Screw, Socket Head (1/4-20 NC X 3/4)	8	C	011925-055
162	Pipe Plug, Dry Seal (1/4 NPFT)	2	C	000500-003
175	Magnet Wheel Assembly	1	C	051684-000
178	Magnet Cup	1	C	060629-001
180	O-Ring, Magnet Cup (11/16 X 13/16 X 1/16)	1	C	000568-908
185	Cap Screw, Socket Head (6-32 NC2 X 1/4)	4	C	011925-031
208	Clamp, Bearing Shaft	1	C	051670-000
227	Washer, Seal (1/4)	8	C	012283-001
293a	Retaining Ring (5/8)	1	C	012659-014
911	Tack, Metal	4	C	012319-002

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Series B Meter Body -Line Mounted 7M, 11M

Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft (.5906 - 1.3780 - .4331) 7M, 11M, 16M	4	B	012671-001
3	Clamp, Gear	2	C	012703-000
5	Bearing Clamp	1	C	061696-000
7	Sleeve, Bearing Placement	4	B	051722-000
21	Retaining Ring	2	C	011823-019
22	Cover Assembly - Counter End	1	C	053057-001
28	Cover Assembly - Gear End	1	C	051675-001
31	Cap Screw (3/8 - 16 NC3 X 1 3/4)	15	C	010065-020
36	Machined Flat Hex Screw, 10-32NF, 7/8 MKJ	1	C	011858-006
36a	Washer, Locking	1	C	012684-003
37	Timing Gears (set only) (7M, 11M)	1 set	C	051858-000
40a	Sight Gauges, Oil Level	4	C	054851-000
41	Headplate, Counter End (7M, 11M)	1	B	051923-001
42	Headplate, Gear End (7M, 11M)	1	B	051924-001
43	Impeller and Shaft Assembly 7M, 11M	2	B	Consult Factory [†]
47	Nameplate [†]	1	C	052023-XXX
49a	Plug, Hex (9/16-18 NF2)	8	C	012261-005
54	Seal, O-Ring for #40a and #49a	12	C	000568-906
55	Seal, O-Ring Headplate (7 1/2 X 7 3/4 X 1/8)	2	C	000568-264
59	Washer, Flat (13/32 X 47/64 X 1/16)	16	C	010181-022
79	Cap Screw, Drilled (3/8 - 16 NC3 X 1 3/4)	1	C	011971-017
90	Oil Slinger, Gear End	1	B	012701-000
90a	Oil Slinger, Counter End	1	B	012702-000
94	Cap Screw, Socket Head, Locking (10-32 NF3 X 3/4)	3	C	000141-069
95	Cap Screw (10 - 24 NC X 1/2)	6	C	011925-046
123	Cap Screw, Socket Head (3/8 - 16 NC X1)	8	C	011925-064
162	Pipe Plug, Dry Seal (1/4 NPFT, Stainless Steel)	2	C	000500-003
175	Magnet Wheel Assembly	1	C	051672-000
178	Magnet Cup	1	C	060629-001
180	O-Ring, Magnet Cup (11/16 X 13/16 X 1/16)	1	C	000568-908
208	Clamp, Bearing Shaft	1	C	051721-000
227	Washer, Seal (3/8)	8	C	011974-001
293a	Retaining Ring (7/16)	1	C	012867-017
911	Tack, Metal	4	C	012319-002

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Series B Meter Body -Line Mounted 16M
Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft (.5906 - 1.3780 - .4331) 7M, 11M, 16M	2	B	013239-000
1a	Bearing, Main Shaft AE (16M only)	2	B	054974-000
3	Clamp, Gear	2	C	012703-000
5	Bearing Clamp	1	C	061696-000
7	Sleeve, Bearing Placement	4	B	054812-000
21	Retaining Ring	2	C	011823-025
22	Cover Assembly - Counter End	1	C	053057-001
28	Cover Assembly - Gear End	1	C	051675-001
31	Cap Screw (3/8 - 16 NC3 X 1 3/4)	15	C	010065-020
36	Machined Flat Hex Screw, 10-32NF, 7/8 MKJ	1	C	011858-006
36a	Washer, Locking	1	C	012684-003
37	Timing Gears (set only) (16M)	1 set	C	054797-000
37a	Taper Pin #2 1-1/2 18-8 SST	2	C	013240-004
40a	Sight Gauges, Oil Level	4	C	054851-000
41	Headplate, Counter End	1	B	054808-000
42	Headplate, Gear End	1	B	054810-000
43	Impeller and Shaft Assembly 16M, 16M [†]	2	B	Consult Factory [†]
47	Nameplate [†]	1	C	052023-XXX
49a	Plug, Hex (9/16-18 NF2)	8	C	012261-005
54	Seal, O-Ring for #40a and #49a	12	C	000568-906
55	Seal, O-Ring Headplate (7 1/2 X 7 3/4 X 1/8)	2	C	000568-264
59	Washer, Flat (13/32 X 47/64 X 1/16)	16	C	010181-022
79	Cap Screw, Drilled (3/8 - 16 NC3 X 1 3/4)	1	C	011971-017
90	Oil Slinger, Gear End	1	B	012701-000
90a	Oil Slinger, Counter End	1	B	012702-000
94	Cap Screw, Socket Head, Locking (10-32 NF3 X 3/4)	3	C	000141-069
94a	Cap Screw, SOC HEX 10-32 NF3 1/2 MKJ	1	C	000141-065
95	Cap Screw (10 - 24 NC X 1/2)	6	C	011925-046
123	Cap Screw, Socket Head (3/8 - 16 NC X1)	8	C	011925-064
162	Pipe Plug, Dry Seal (1/4 NPFT, Stainless Steel)	2	C	000500-003
175	Magnet Wheel Assembly	1	C	051672-000
178	Magnet Cup	1	C	060629-001
180	O-Ring, Magnet Cup (11/16 X 13/16 X 1/16)	1	C	000568-908
208	Clamp, Bearing Shaft	1	C	051721-000
208a	CTR End Spacer for 16M	2	C	054811-000
227	Washer, Seal (3/8)	8	C	011974-001
293a	Retaining Ring (7/16)	1	C	012867-017
911	Tack, Metal	4	C	012319-002

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

[†]Indicates Pinned Impeller Shafts.

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Series B Meter Body- Line Mounted 23M175, 38M175 56M175
 Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft	4	B	012932-000
3	Clamp, Gear	1	C	052605-000
3A	Clamp, Gear & Crank	1	C	052606-000
4	Clamp, Bearing - Oil Leader Assembly	1	A	057802-000
5A	Clamp, Bearing - Oil Leader Assembly	1	A	057803-000
6	Plug, Pipe Hex Head (1 X 15/16)	2	C	010505-006
7	Sleeve, Bearing Placement	4	B	012929-000
8A	Oil Leader, Gear End	1	A	057713-000
21	Retaining Ring (1 3/16)	2	C	011823-034
22	Cover Assembly - Counter End	1	C	052684-000
28	Cover Assembly - Gear End	1	C	052296-001
31	Cap Screw (1/2 - 13 NC3 X 2 1/3)	20	C	010080-007
37	Timing Gears (set only)	1 set	C	052522-001
40	Sight Gauge, Oil Level	1	C	012916-000
40A	Sight Gauge (3/4 - 16)	1	C	012270-000
41	Headplate, Counter End	1	B	052683-000
42	Headplate, Gear End	1	B	052683-101
43	Impeller and Shaft Assembly 23M 38M 56M	2 2 2	B B B	Consult Factory [†]
44	Plug, Pipe (1/4)	2	B	000500-003
47	Nameplate [†]	1	C	052023-XXX
48	Plug, Hex (1 5/16 NF2)	1	C	012914-001
49a	Plug, Hex (9/16-18 NF2)	8	C	012261-005
54	Seal, O-Ring for #49a	8	C	000568-906
54A	Seal, O-Ring for #40 and #48	2	C	000568-916
54B	Seal O-Ring	1	C	000568-908
55	Seal, O-Ring Headplate (13 1/2 X 14 X 1/4)	2	C	000568-456
59	Washer, Flat for #31 (.532 X .872 X .062)	20	C	012984-001
90A	Oil Slinger, Flat, Counter End	1	C	012895-000
92	Oil Slinger, Counter End Shaft	2	B	053003-000
92A	Oil Slinger, Gear End Shaft	2	B	053002-000
94	Cap Screw, Socket Head, Locking (5/16 - 18 NC X 1)	4	C	012935-000
95	Cap Screw (10 - 24 NC X 7/8)	6	C	000141-271
117	Clamp, Flat Oil Slinger, Counter End	1	C	052664-000
120	Spacer, Oil Slinger, Counter End	2	C	052665-000
123	Cap Screw, Socket Head (1 1/2 - 13 NC3 X 1 1/2)	8	C	013018-000

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

Series B Meter Body - Line Mounted 23M175, 38M175 56M175
Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
155	Nameplate, "Inlet"	1	C	052681-000
156	Nameplate, "Warning"	1	C	052682-000
175	Magnet Wheel Assembly	1	C	052654-000
178	Magnet Cup	1	C	060629-001
180	O-Ring, Magnet Cup (5/8 X 3/4 X 1/16)	1	C	000568-908
227	Washer, Seal (1/2)	8	C	011974-005
911	Grip Nail, Metal Tack	8	C	012319-006
911A	Screw Cap But Socket	2		011925-046

*Bill of Material Number and Serial Number on the meter nameplate must be specified.

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Series B Meter Body- Line Mounted 23M232

Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing Main Shaft .9843 -1.6535 - .3543	4	B	056582-000
3	Clamp, Gear	1	C	012703-000
5	Bearing Clamp	2	C	056602-000
7	Sleeve, Bearing Placement	2	C	056603-001
7A	Sleeve, Bearing Placement CE	2	B	056604-001
21	Retaining Ring	2	C	011823-029
22	Cover Assembly-Counter End	1	C	056589-000
28	Cover Assembly-Gear End	1	C	056590-000
31	Cap Screw 3/8-16 NC3 2	15	C	010065-021
36	Screw Flat Hex Head 10-32NF	1	C	011858-006
36A	Washer, Locking	1	C	012684-003
37	Timing Gears (set only)	1 set	C	056591-000
37A	Taper Pin #2 1 1/2	1 set	C	013240-004
40A	Sight Gauges, Oil Level 9/16-18UNF3	4	C	054851-000
41	Headplate, Counter End	1	B	056593-000
42	Headplate, Gear End	1	B	056597-000
43	Impeller and Shaft Assembly 23M232 4"	2	B	Consult Factory [†]
47	Nameplate	1	C	502023-153
49A	Plug, Hex (9/16-18NF2)	9	C	012261-005
54	Seal, O-Ring for #40A and #49A	13	C	000568-906
55	Seal, O-Ring Headplate (8x8-1/4x1/8)	2	C	000568-266
59	Washer Flat 13/32 47/64 1/16	16	C	010181-022
79	Cap Screw, Drilled (3/8-16NC3	1	C	011971-009
90	Oil Slinger, Gear End	1	B	056600-000
90A	Oil Slinger, Counter End	1	B	056599-000
94	Cap Screw, Socket Head 10-32NF3 3/4	1	C	000141-069
94A	Cap Screw, Socket Head 10-32NF3 1/2	1	C	000141-065
95	Screw Flat Hex Head 10-24NC	6	C	011858-005
123	Cap Screw, Socket Head 3/8-16NC 1	8	C	011925-064
162	Pipe Plug, Dry Seal S (1/4)	2	C	000500-003
175	Wheel Assembly Magnet CMPL 7/11/16M	1	C	051672-000
178	Magnet Cup	1	C	060629-001
180	Seal, O-Ring 11/16 x 13/16 x 1/16	1	C	000568-908
208	Clamp, Bearing Shaft	1	C	051721-000
208A	Spacer Counter End 23N232 4" & 11M1480	2	C	056601-000
227	Washer	8	C	011974-001
293A	Cap Screw Butt Head 4-40NC2 1/4	2	C	011925-024

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Series B Meter Body - Line Mounted High Pressure 1M300

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft	4	B	012677-000
3	Clamp, Gear	1	C	053378-000
5	Bearing Clamp	4	C	012679-000
7A	Sleeve, Bearing Placement, Inside Inner Race	2	B	053242-000
7B	Sleeve, Bearing Placement, Outside Inner Race	2	B	053243-000
22	Cover Assembly - Counter End	1	C	052787-000
28	Cover Assembly - Gear End	1	C	052786-000
31	Cap Screw (5/16-18 NC3)	11	C	011738-112
36	Screw, Flat, Hex Head, (10-32 NF X 7/8)	1	C	011858-006
36A	Washer, Locking	1	C	012684-003
37	Timing Gears (set only)	1 set	C	058254-000 [‡]
40A	Sight Gauges, Oil Level	4	C	054851-000
41	Headplate, Counter End	1	B	053006-000
42	Headplate, Gear End	1	B	056205-000
43	Impeller and Shaft Assembly	2	B	Consult Factory [†]
47	Nameplate [†]	1	C	052023-027
49A	Plug, Hex (9/16-18 NF2)	8	C	012271-005
54	Seal, O-Ring for #40a and #49a	12	C	000568-906
55	Seal, O-Ring Headplate (5 1/8 X 4 7/8 X 1/8)	2	C	000568-249
62	Pin, Tapered	2	C	012974-000 [†]
79	Cap Screw, Drilled (5/16-18NC2)	1	C	051216-106
90	Oil Slinger, Gear End	1	B	012685-000
90A	Oil Slinger, Counter End	1	B	012673-000
94	Cap Screw, Socket Head, Locking (10-32 NF3 X 3/4)	1	C	000141-069
94A	Cap Screw, Socket Head (6-32 NC3 X 3/8)	1	C	000145-236
123	Cap Screw, Socket Head (1/4-20 NC X 3/4)	8	C	011925-055
162	Pipe Plug, Dry Seal (1/4 NPFT)	2	C	000500-003
175	Magnet Wheel Assembly	1	C	051684-000
178	Magnet Cup	1	C	060629-001
180	O-Ring, Magnet Cup (11/16 X 13/16 X 1/16)	1	C	000568-908
185	Cap Screw, Socket Head (6-32 NC2 X 1/4)	8	C	011925-031
208	Clamp, Bearing Shaft	1	C	051670-000
227	Washer, Seal (1/4)	8	C	012283-001
293A	Retaining Ring (5/8)	1	C	012659-014
911	Tack, Metal	4	C	012319-002

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

[‡]Impellers, Timing Gears and Tapered Pins must be sold as a set (straight shafts vs. tapered shafts).

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Series B Meter Body - Line Mounted High Pressure 3M300

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft	4	B	012677-000
3	Clamp, Gear	1	C	053378-000
5	Bearing Clamp	4	C	012679-000
7A	Sleeve, Bearing Placement, Inside Inner Race	2	B	053242-000
7B	Sleeve, Bearing Placement, Outside Inner Race	2	B	053243-000
22	Cover Assembly - Counter End	1	C	052787-000
28	Cover Assembly - Gear End	1	C	052786-000
31	Cap Screw (5/16-18 NC3)	11	C	011738-112
36	Screw, Flat, Hex Head, (10-32 NF X 7/8)	1	C	011858-006
36A	Washer, Locking	1	C	012684-003
37	Timing Gears (set only)	1 set	C	058254-000 [†]
40A	Sight Gauges, Oil Level	4	C	054851-000
41	Headplate, Counter End	1	B	053006-000
42	Headplate, Gear End	1	B	056205-000
43	Impeller and Shaft Assembly	2	B	Consult Factory [†]
47	Nameplate [†]	1	C	052023-028
49A	Plug, Hex (9/16-18 NF2)	8	C	012271-005
54	Seal, O-Ring for #40a and #49a	12	C	000568-906
55	Seal, O-Ring Headplate (5 1/8 X 4 7/8 X 1/8)	2	C	000568-249
62	Pin, Tapered	2	C	012974-000 [†]
79	Cap Screw, Drilled (5/16-18 NC2)	1	C	051216-106
90	Oil Slinger, Gear End	1	B	012685-000
90A	Oil Slinger, Counter End	1	B	012673-000
94	Cap Screw, Socket Head, Locking (10-32 NF3 X 3/4)	1	C	000141-069
94A	Cap Screw, Socket Head (6-32 NC3 X 3/8)	1	C	000145-236
123	Cap Screw, Socket Head (1/4-20 NC X 3/4)	8	C	011925-055
162	Pipe Plug, Dry Seal (1/4 NPFT)	2	C	000500-003
175	Magnet Wheel Assembly	1	C	051684-000
178	Magnet Cup	1	C	060629-001
180	O-Ring, Magnet Cup (11/16 X 13/16 X 1/16)	1	C	000568-908
185	Cap Screw, Socket Head (6-32 NC2 X 1/4)	8	C	011925-031
208	Clamp, Bearing Shaft	1	C	051670-000
227	Washer, Seal (1/4)	8	C	012283-001
293A	Retaining Ring (5/8)	1	C	012659-014
911	Tack, Metal	4	C	012319-002

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

[†]Impellers, Timing Gears and Tapered Pins must be sold as a set (straight shafts vs. tapered shafts).

NOTE: Magnet Cup is now threaded. When ordering Item 178 you must also order a Counter End Cover Assembly, Item 22.

Line Mounted - High Pressure 1M740/1480 & 3M740/1480

Mag Coupled Cartridge Meter (HPC)

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
	Cartridge Assembly Kit	1	A	1M 740/1480	054522-001
	Cartridge Assembly Kit	1	A	3M 740/1480	054522-002
	Cartridge Assembly Kit	1	A	1M BPV	054522-003
	Cartridge Assembly Kit	1	A	3M BPV	054522-004
	Conversion Kit – 1M to 3M	1	A		054525-006
	Conversion Kit – 3M to 1M	1	A		054525-005
	Conversion Kit – 1M to 3M with Bypass Valve	1	A		054525-106
	Conversion Kit – 3M to 1M with Bypass Valve	1	A		054525-105
	Hardware Spacer Kit	1	A	1M – 3M	054524-000
	Cartridge Removal/Installation Kit	1	A	1M – 3M	057954-000
	O-Ring Replacement Kit	1	A	1M – 3M	058439-000
22	Cover Assembly	1	A	1M – 3M	053338-000
231	Standoff	4 4	C C	1M 740/1480 3M 740/1480	053383-002
55C	Screw, Ferry Cap	9	C	1M – 3M	011738-009
79	Screw, Ferry Cap, Drilled	1	C	1M – 3M	051216-004
191	Screw, Cap, Cartridge Nameplate	2	C	1M – 3M	000141-220
191A	Screw, Cap, Cartridge Nameplate, Drilled	2	C	1M – 3M	000143-220
40	Sight Gauge, 3/4"-16UNF3	2	C	1M – 3M	012270-000
54	Seal, O-Ring, Sight Gauge	2	C	1M – 3M	000568-908
76	Plug, Fill/Drain/Access w/ O-Ring	3	C	1M – 3M	012271-005
162	Pipe Plug, Dry Seal, 1/4" NPTF	3	C	1M – 3M	000500-003
175	Magnet Wheel, Assembly	1	A	1M – 3M	051684-000

Line Mounted - High Pressure 5M1480 & 7M1480
Mag Coupled Cartridge Meter (HPC)

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
	Cartridge Assembly Kit	1	A	5M	056350-100
	Cartridge Assembly Kit	1	A	7M	056350-200
	Cartridge Assembly Kit	1	A	5M BPV	056350-300
	Cartridge Assembly Kit	1	A	7M BPV	056350-400
	Conversion Kit – 5M to 7M	1	A		056351-100
	Conversion Kit – 7M to 5M	1	A		056351-200
	Conversion Kit – 5M to 7M with Bypass Valve	1	A		056351-110
	Conversion Kit – 7M to 5M with Bypass Valve	1	A		056351-210
	Cartridge Removal/Installation Kit	1	A	5M – 7M	057954-100
	O-Ring Replacement Kit	1	A	5M – 7M	058439-100
	Cover Assembly	1	A	5M – 7M	055938-000
31	Screw, Ferry Cap	15	C	5M – 7M	011738-011
79	Screw, Ferry Cap, Drilled	1	C	5M – 7M	051216-005
191	Screw, Cap, Cartridge Nameplate	2	C	5M – 7M	000141-220
191A	Screw, Cap, Cartridge Nameplate, Drilled	2	C	5M – 7M	000143-220
94A	Screw, Cap, Head Plate Lock	6	C	5M – 7M	000141-065
231	Head Plate Lock	3	C	5M – 7M	056944-001
40	Sight Gauge, 3/4" -16UNF3	4	C	5M – 7M	012270-000
54	Seal, O-Ring, Sight Gauge	4	C	5M – 7M	000568-908
76	Plug, Fill/Drain (9/16" – 18UNF2)	5	C	5M – 7M	012271-005
76A	Plug, Access (3/4" – 18UNF2)	1	C	5M – 7M	012271-006
162	Pipe Plug, Dry Seal, 1/4" NPTF	3	C	5M – 7M	000500-003
175	Magnet Wheel, Assembly	1	A	5M – 7M	056620-000

Line Mounted - High Pressure 11M1480
 Mag Coupled Cartridge Meter (HPC)

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
	Cartridge Assembly Kit	1	A	11M	056350-500
	Cartridge Removal/Installation Kit	1	A	11M	057954-100
	O-Ring Replacement Kit	1	A	11M	058439-100
	Cover Assembly	1	A	11M	057585-000
31	Screw, Ferry Cap	15	C	11M	011738-011
79	Screw, Ferry Cap, Drilled	1	C	11M	051216-005
191	Screw, Cap, Cartridge Nameplate	2	C	11M	000141-220
191A	Screw, Cap, Cartridge Nameplate, Drilled	2	C	11M	000143-220
94A	Screw, Cap, Head Plate Lock	6	C	11M	000141-065
231	Head Plate Lock	3	C	11M	058496-004
40	Sight Gauge, 3/4"-16UNF3	1	C	11M	012270-000
54	Seal, O-Ring, Sight Gauge	1	C	11M	000568-908
76	Plug, Fill/Drain (9/16" - 18UNF2)	3	C	11M	012271-005
76A	Plug, Access (3/4" - 18UNF2)	1	C	11M	012271-006
162	Pipe Plug, Dry Seal, 1/4" NPTF	3	C	11M	000500-003

8C Parts List[†]Eveloid (Pre 2004)^{*}

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing, Main Shaft	4	B	012318-000
2	Clamp, Gear w/Screw	2	B	011978-000
7	Spacer, Bearing Placement	6	B	049203-000
21	Ring, Retaining Bowed	2	B	011823-001
22	Cover, Counter End Complete	1	A	See Asm #22
23	Window, Counter	1	A	See Asm #23
28	Cover, Gear End Complete	1	A	See Asm #28
29	Cylinder	1	B	049180-001
31	Screw, Socket Head	6	C	000141-269
37	Gear, Asm Timing (matched set)	1	B	049186-000
40	Gauge, Oil Level (3/4-16NF2) See #54	2	C	012270-000
40A	Plug (3/4-16NF2) (See #54)	1	C	012261-006
41	Headplate, Counter End w/Shaft	1	B	049176-000
42	Headplate, Gear End	1	B	050550-000
43B	Impeller & Shaft Asm (Top)	1	B	049170-001
43C	Impeller & Shaft w/Gear (Bottom)	1	B	049172-001
47	Nameplate	1	C	051574-101
50	Pin, Dowel (incl.w/#41 & #42)	4	A	—
53	Screw, Drive	4	C	012319-002
54	Seal, "O" Ring, Sight Gauge (See Asm. #40, #22, #28)	4	C	000568-908
55	Seal, "O" Ring (2-1/2" x 2-3/4" x 1/8")	2	C	000568-230
59	Washer, Flat 7/16"	8	C	000301-009
60	Washer, Flat	4	B	049343-000
79	Screw, Socket Head (Drilled)	2	C	011951-005
90	Slinger, Oil, Gear End	1	C	049189-000
95	Screw, Cap (Bearing lock)	4	B	000199-026
105	Plate, Serial Number	1	C	047036-002
112	Ring, Retaining 3/16"	2	C	011813-004
123	Screw, Slotted	8	B	000641-046
160	Decal (Caution)	1	C	050771-000
162	Plug, Pipe, Socket Head	2	C	000500-003
165	Slinger, Oil (See Asm #285)	1	A	—
189	Nipple, Pipe-Schd. #40 (1-1/2" x 3")	2	C	046861-001
215	Cap, Plug (O.D. #607)	2	C	011359-017
215	Cap, Plug (I.D. #205)	2	C	011359-007

[†]The listed parts are for the following Bills of Material (located on Meter Nameplate) 049591-101 or 121, 050932-100 or 120, 050932-101 or 121.

^{*}Any Eveloid meter built before the year 2004, reference the bill of material for replacing meter parts. Refer to Instruction Manual IRM:LM8C for item number reference.

8C Parts List[†]

Eveloid (Pre 2004)[‡]

See R-10-1 for ordering procedures.

Item- No.	Description	Max. Qty Per Meter	Repair Class	Part Number
282	Gear, Cluster (See Asm #285)	1	A	051488-000
285	Gear, Cluster, Asm w/Slinger #165 (English)	1	A	See Asm #285
285	Gear, Cluster, Asm. w/Slinger #165 (Metric)	1	A	See Asm #285
286	Ring, Retaining, External (See Asm #285)	1	B	012019-000
287	Washer, Cluster Gear (See Asm #285)	3	B	049361-000
289	Seal, "O" Ring (See Asm #22 or #23)	1	B	000568-123
293	Ring, Retaining, External (See Asm #22 or #23 and #401)	5	A	012020-002
294	Shield, Oil (See Asm #285)	1	A	012546-000
295	Tube, Capillary (See Asm #285)	1	A	051250-000
401	Counter, English	1	A	Consult Factory [†]
401	Counter, Metric	1	A	Consult Factory [†]
410	Screw Seal, Recessed Head (See Asm. #22 & #28)	7	C	000644-031

Repair Assemblies

Assembly No.	Description	Part Number
22	Counter End Cover (Consists of Items #22, #23, #40, #54, #55, #284, #289, #293(5), & #410(3).	051152-000
23	Counter Window (Consists of Items #23, #289, #293(4))	051147-000
28	Gear End Cover (Consists of Items #28, #40(2), #54(2), #55, #284(2), #288(2) & 410(4).	051151-000
285	Gear, Cluster, English Repair Assembly	051227-001
285	Gear, Cluster, Metric Repair Assembly	051227-002
401	Counter, English Repair Assembly	051048-001
401	Counter, Metric Repair Assembly	051048-021
401/285	Kit, English Counter/Cluster Gear Assembly	051598-001
401/285	Kit, Metric Counter/Cluster Gear Assembly	051598-002

[†]The listed parts are for the following Bills of Material (located on Meter Name Plate) 049591-101 or 121, 050932-100 or 120, 050932-101 or 121.

[‡]Any Eveloid meter built before the year 2004, reference the bill of material for replacing meter parts.

Refer to Instruction Manual IRM:LM8C for item number reference.

8C Parts List[†]
 Eveloid (2004 and After)[‡]

Item No.	Description	Max. Qty Per Meter	Repair Class	Part Number
1	Bearing Main Shaft	4	A	012318-000
5	Clamp Bearing 5C/8C	1	A	012940-000
7	Ring Bearing Replacement	4	A	049203-000
21	Ring, Retaining Bowed	4		011823-001
22	Cover, Counter End	1		049348-002
23	Window Counter	1		049355-000
28	Cover, Gear End	1		049350-001
29	Cylinder	1	A	049180-001
31	Screw Cap Socket	6		000141-269
37	Gear, Timing	1		052425-000
37B	Washer PN	2	A	012474-003
37C	Nut, HEX Self-Locking	2	A	012838-004
38	Ring, Retaining	1		011813-001
40	Gauge Sight 3/4-16	2	A	012270-000
40A	Plug HEX 3/4-16 w/o O-Ring	1	A	012261-006
41	Headplate, Counter End w/Shaft	1	A	049176-001
42	Headplate, Gear End	1		050550-000
43B	Impeller & Shaft Assembly (Top)	1	A	049170-002
43C	Impeller & Shaft w Gear (Bottom)	1	A	049172-002
54	Seal O-Ring, Oil Sight Gage	3		000568-908
55	Seal O-Ring Cover	2		000568-230
59	Washer, 10 7/16 1/16	8		000301-009
60	Washer, Flat	2		049343-000
79	Screw Cap Socket Drilled (10-24NC3 3/4) Head	2		011951-005
90	Slinger Oil	1	A	049189-000
162	Plug Pipe 1/4	2		000500-003
123	Screw, Sling PAN Slot 6-32NC2 1/2	8		000641-046
189	Nipple, Pipe RH SCHD 40 1-1/2 NPT x 3"	2	A	046861-001
286	Ring, Retaining 201 E 7/64	2		012019-000
293	Ring, Retaining E 1/8	5		012020-002
289	Seal O-Ring, 15/16 x 1-3/16 x 1/8	1		012481-213
285	Gear, Cluster, Asm w/Slinger (English)	1		051584-002
287	Washer RTNG RG Cluster Gear	2		049361-000
401	Counter Asm Unit L/Cover 8C (5 DGT) (English)	1		051506-002
410	Screw Sling PAN 10-24NC2 3/8, Recessed Head	7		000644-031

[†]The listed parts are for the following Bills of Material (located on Meter Nameplate) 049591-101 or 121, 050932-100 or 120, 050932-101 or 121.

[‡]Any eveloid meter built after the year 2004 needs to reference the bill of material for replacing meter parts.

Series A (LMMA) Meter Body Line Mounted 1.5M, 3M, 5M, 7M, 11M, 16M Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
1	Bearing, Main Shaft	4	B	1.5M,3M,5M	012677-000
		4	b	7M,11M,16M	012671-001
20	Washer, Wavy Spring	6	B	1.5M,3M,5M	010135-013
		4	B	7M,11M,16M	010135-015
21	Retaining Ring, Bowed	2	B	1.5M,3M,5M	011227-001
		2	B	7M,11M,16M	011227-003
31	Cap Screw (requires #59 washer also)	Varies	C	1.5M,3M,5M	010055-006
		Varies	C	7M,11M,16M	010065-016
32	Cap Screw, Socket Head	3	C	1.5M,3M,5M	010055-007
36	Cap Screw, Flat, Socket Head (self-locking)	1	C	1.5M,3M,5M	011669-001
		1	C	7M,11M,16M	011669-002
37	Timing Gears (priced as matched set)	1 set	B	1.5,3M,5M	044330-000
		1 set	B	7M,11M,16M	049281-000
40A	Sight Gauge, Oil Level (See #54)	4	C	ALL	012270-000
47	Nameplate	1	C	ALL	Consult Factory [†]
49A	Plug, (3/4 - 16 NF2) (See #54)	Varies	C	ALL	012261-006

[†]Bill of Material Number and Serial Number on the meter nameplate must be specified.

Refer to Instruction Manual IRM-LM-MA for item number reference.

See R-10-1 for ordering procedures.

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
54	Seal - "O" Ring for #40a or 49a.	4	C	ALL	000568-908
55	Seal - "O" Ring, Headplate	4	C	1.5M,3M,5M	010109-167
		4	C	7M,11M,16M	000568-264
59	Washer, Flat, Casing Assembly	Varies	C	1.5M,3M,5M	010181-020
		16	C	7M,11M,16M	010181-022
123	Cap Screw, Socket Head	8	C	1.5M,3M,5M	011925-055
		8	C	7M,11M,16M	011925-064
162	Plug, Pipe, Dryseal (1/4")	2	C	ALL	000500-003
178	Magnet Cup	1	C	ALL	044583-000
180	O-Ring Magnet Cup	1	C	1.5M,3M,5M	010109-164
		1	C	7M,11M,16M	000568-027
185	Cap Screw, Socket Head	3	C	ALL	011925-046
189	Pipe Nipple	2	C	1.5M	046861-001
190	O-Ring, Temperature Probe Well	3	C	ALL	000568-017
191	Screw, Cap, Socket Head (Temperature Probe Well)	3	C	ALL	000141-220

Refer to Instruction Manual IRM-LM-MA for item number reference.

Series A (LMMA) Meter Body Line Mounted 1.5M, 3M, 5M, 7M, 11M, 16M
Mag-Coupled Gear Reduction - Aluminum Cylinders

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
210	Seal, O-Ring, Temperature Probe	1	C	ALL-TC	000568-014
215	Cap Plug	2	C	1.5M	011359-017
227	Washer, Seal (1/4")	8	C	1.5M,3M,5M	012283-001
	Washer, Seal (3/8")	8	C	7M,11M,16M	011974-001
293A	Retaining Ring (5/8")	1	C	1.5M,3M,5M	012659-014
911	Tack, Metal	4	C	1.5M,3M,5M	012319-002

Refer to Instruction Manual IRM-LM-MA for item number reference.

Series A (LMMA) Foot Mounted 23M-102M
 Mag-Coupled

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
1	Headplate	2	B	102M	027411-000
2	Cylinder	1	B	ALL	Consult Factory [†]
3	Cover, Counter End	1 1 1 1	C C C C	C,CD-23M C,CD-38M C,CD-56M C,CD-102M	Consult Factory [†] Consult Factory [†] Consult Factory [†] 048784-000
4	Bell End Cover, Blind	1	C	102M	048785-000
5	Timing Gears (for meters with 2 sets of gears, refer to Company)	1 set	B	102M	034685-000
6	Plug, Pipe, Crank Hole	1	C	ALL	010505-007
7	Impeller & Shaft	2	B	102M	Consult Factory [†]
11	Clamp, Assembly Bearing Crank	2	B	102M	030937-000
12	Washer, Main Bearing Spacer	2	B	102M	025290-000
13	Lock Plate, Main Bearing, Inner Race	2	C	102M	025291-000
15	Clamp, Main Bearing, Outer Race	2	C	102M	025293-000
17	Thrust Plate, Main Bearing	2	C	102M	025295-000
23	Oil Dam, Main Bearing	2	C	102M	025299-000
28	Washer, Flat	4	C	102M	010181-017

[†]Bill of Material Number or Serial Number on the meter nameplate must be specified.

Refer to Instruction Manual IRM-125FM Supplement for item number.

Series A (LMMA) Foot Mounted 23M-102M
 Mag-Coupled

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
31	Cap Screw, Socket Head, 10-24 x 5/8"	8	C	23M, 38M	000141-267
	10-24 x 3/4"	8	C	56M	000141-269
	10-24 x 7/8"	8	C	102M	000141-271
32	Washer, Spring Lock	8	C	23M-102M	000310-009
36	Dowel Pin, Headplate	4	B	56M, 102M	010531-001
38	Spring Lock	Varies	C	23M-102M	010049-002
39	Bearing, Main Shaft	4	B	23M, 38M	010043-003
		4	B	56M	010043-004
		4	B	102M	010043-006
40	Shim, Main Bearing Clamp	1 set	C	102M	025302-000
42	Taper Pin, Timing Gear	2	B	102M	025303-000
43	O-Ring, Headplate	4	C	56M	000568-462
		4	C	102M	010109-057
45	Plug, Pipe, Oil Fill/Drain, 1/2"NPT (See #184 and #186)	4	C	23M-102M	010505-004
		2	B	56M,102M	010409-003
49	Cap Screw, Casing Assembly: 7/8 - 9 x 4-1/2"	Varies	C	102M	010204-008
50	Cap Screw, Bearing Thrust Clamp: 1/4 - 20 x 1-1/2" 1/4 - 20 x 2-1/4"	Varies	C	23M, 38M	010055-006
				102M	010055-011
51	Cap Screw, Bearing Outer Race Clamp: 1/4 - 20 x 1-1/4" 1/4 - 20 x 1-1/2"	Varies	C	56M	010055-005
				102M	010055-006

Refer to Instruction Manual IRM-125FM Supplement for item number.

Series A (LMMA) Foot Mounted 23M-102M
Mag-Coupled

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
53	Screw, Drive, Nameplate	8	C	ALL	010016-002
54	Nameplate, Meter	1	C	ALL	Consult factory
55	Sight Gauge, Oil Level (see #162)	2	C	ALL	012270-000
56	Plug, Pipe, Pressure Tap – 1/4" NPT	4	C	ALL	000500-003
57	Plug, Pipe, Temperature Tap	2	C	ALL	010505-006
58	Screw, Set, Leveling (1/2-13NC x 2")	4	C	ALL	010164-005
59	Cap Screw, Oil Leader / Shim	4	C	23M, 38M	000141-273
	10 – 24NC3 x 1" 10 – 24NC3 x 1-1/4"	4	C	56M, 102M	000141-275
62	Screw Adapter (1/4 - 20 x 5/8")	8	C	ALL	010055-012
129	Wheel, Assembly Magnet	1	C	102M	048787-000
130	Screw, Cap – Socket Head	2	C	23M, 38M 56M 102M	000141-269
	10 – 24NC3 x 3/4"				000141-273
	10 – 24NC3 x 1"				000141-271
	10 – 24NC3 x 7/8"				
131	Seal, O-Ring	1	C	ALL	010109-164
132	Cup, Mag.	1	C	ALL	044583-000
133	Screw, Cap, Button Head (10 – 24 x 3/8")	3	C	ALL	011925-046
136	Oil Slinger	2	B	102M	025305-000
151	Adapter	1	C	ALL	048526-000
153	Seal, O-Ring	1	C	ALL	010109-091
155	Label, Inlet	1	C	ALL	052681-000
157	Cap Screw, Casing, Drilled	4	C	102M	
	5/8 - 11NC x 3-1/4" 7/8 - 9NC x 4-1/4"				030704-000
159	Cap Screw, Head to Cylinder, S.H.	8	B	102M	
	1/2 - 13 x 1-1/2" 5/8 - 11 x 2"				010474-005
160	Oil Leader	2	C	102M	027197-000

Refer to Instruction Manual IRM-125FM Supplement for item number.

Series A (LMMA) Foot Mounted 23M-102M
 Mag-Coupled

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
161	Nut, Lock	4	C	ALL	010494-002
162	O-Ring, Oil Sight Gauge (See #55)	2	C	ALL	000568-114
166	Gasket, Bearing Clamp	2	B	102M	028679-000
178	Washer, Wavy	2	B	102M	010135-004
179	Slinger, Lubricating	1	B	102M	037806-000
184	Washer, Lock, Lubricating Slinger	2	B	56M, 102M	010049-002
185	Slinger, Oil, Blind End (See #47)	2	B	102M	037801-000
186	Screw, Set, Oil Slinger: 10 - 24 x 3/8" 1/4 - 20 x 1/2"	2	B	56M, 102M	010089-003
187	Cap Screw, Oil Slinger: 10 - 24 x 1/2" 1/4 - 20 x 1/2"	2	B	23M, 38M 56M, 102M	000141-265 010055-001
214	Nut, Lock, Taper Pin	2	B 2	56M, 102M	011736-004

LEGEND: Basic Meter w/Bills of Material (23M) 048575-0, (38M)048644-0, (56M) 048645-0, (102M) 048646-0.

IMPORTANT: The part numbers apply only if the original unit is of standard materials and construction. Individual parts ordered that are part of an assembly will be supplied as an assembly only.

Refer to Instruction Manual IRM-125FM Supplement for item number reference.

Series 1 (LMMA) - Repair Assembly #399

Mag Coupled Gear Reduction

Purpose

This section provides kit information for the Series 1 assemblies for LMMA meter bodies.

Repair Assembly #399 kits provide the flexibility to add or convert a previous accessory to a different version of the LMMA meters. The Lexan housing must be removed and replaced with an aluminum housing to allow for the addition of an ID, Pulser, or Transmitter.

Item No.	Part Description	Part Number
#399	Convert Counter to (CD) Counter with Instrument Drive 1.5/3/5M	048159-000
#399	Convert Counter to (CD) Counter with Instrument Drive 7/11/16M Aluminum	048159-001
#399	Convert Counter to (CD) Counter with Instrument Drive Foot Mount with (Mag Coupled Accessory Unit)	048159-003
#399	Convert Temperature Compensated to Temperature Compensated (TD) with Instrument Drive 1.5M - 16M Series 1	048605-300

NOTE: Assembly #399 Conversion kits to convert Series 1 Counter and TC assemblies to pulser assemblies are no longer available. If a pulser is required for a Series A meter, please refer to S3A information.

Series 1 (LMMA) - Repair Assembly #399

Mag Coupled Gear Reduction

Item No.	Part Description	Part Number
#399	Conversion Kit - Counter to Counter with American AMR Adapter 1.5M/3M/5M - Itron 40G ERT	058530-110
#399	Conversion Kit - Counter to Counter with American AMR Adapter 7M/11M/16M -Itron 40G ERT	058531-110
#399	Conversion Kit - Counter to Counter with Badger AMR Adapter 1.5M -5M	058530-310
#399	Conversion Kit - Counter to Counter with Badger AMR Adapter 7M - 16M	058531-310
#399	Conversion Kit - Counter to Counter with Cellnet AMR Adapter 1.5M - 5M	058530-210
#399	Conversion Kit - Counter to Counter with Cellnet AMR Adapter 7M-16M	058531-210
#399	Conversion Kit - Counter to Counter with Invensys AMR Adapter 1.5M - 5M -Itron 40G ERT	058530-010
#399	Conversion Kit - Counter to Counter with Invensys AMR Adapter 7M - 16M -Itron 40G ERT	058531-010
#399	Conversion Kit - Counter to Counter with Trace AMR Adapter 1.5M - 5M	058530-410
#399	Conversion Kit - Counter to Counter with Trace AMR Adapter 7M - 16M	058531-410
#399	Conversion Kit - Counter to Counter with American AMR Adapter 1.5M/3M/5M -Itron 100G ERT	058530-610
#399	Conversion Kit - Counter to Counter with American AMR Adapter 7M/11M/16M -Itron 100G ERT	058531-610
#399	CTR (Counter) to CTR/Sensus AMR LM-MA 1.5M - 5M	058530-510
#399	CTR (Counter) to CTR/Sensus AMR LM-MA 7M - 16M	058531-510
#399	Conversion Kit - Temperature Compensation to Temperature Compensation with American AMR Adapter - Itron 40G ERT	058224-141
#399	Conversion Kit - Temperature Compensated to Temperature Compensated with Badger AMR Adapter	058224-341
#399	Conversion Kit - Temperature Compensated to Temperature Compensated with Cellnet AMR Adapter	058224-241
#399	Conversion Kit - Temperature Compensated to Temperature Compensated with Invensys AMR Adapter - Itron 40G ERT	058224-041
#399	Conversion Kit - Temperature Compensated to Temperature Compensated with Trace AMR Adapter 1.5M - 16M	058224-441
#399	TC (Temperature Compensated) to TC/Sensus AMR LM-MA	058224-541
#399	TC (Temperature Compensated) to TC/American AMR LM-MA Itron 100G ERT	058224-641

Series 3 - Repair Assembly #399

Mag Coupled Gear Reduction

Item No.	Part Description	Part Number
#399	Convert Counter to (ICPWS) Integral Counter Pulser with Single CIR Connector	057128-060
#399	Convert Counter to (ICPWS) Integral Counter Pulser with Single Cable Gland Connector	057128-080
#399	Convert Counter to (ICPWS) Integral Counter Pulser with Single Conduit Connector	057128-130
#399	Convert Counter to (ICPWD) Integral Counter Pulser with Dual CIR Connectors	057128-070
#399	Convert Counter to (ICPWD) Integral Counter Cable Gland Dual Connectors	057128-100
#399	Convert Counter to (ICPWD) Integral Counter Pulser with Dual Conduit Connectors	057128-140
#399	Convert (TC) to (ITPWS) Integral Temperature Compensation with Single CIR Connector - 8C-16M175	057128-310
#399	Convert (TC) to (ITPWS) Integral Temperature Compensation with Single Cable Gland Connector - 4' Pigtail	057128-330
#399	Convert (TC) to ITPWS (Temperature Compensated Pulser with Single Connector) 10/100 S3 Cable Gland 10' Pigtail	057128-350
#399	Convert (TC) to (ITPWS) Integral Temperature Compensation with Single Conduit Connector	057128-260
#399	Convert (TC) to (ITPWD) Integral Temperature Compensation with Dual CIR Connectors	057128-320
#399	Convert (TC) to ITPWD with Dual Cable Gland Connectors	057128-340
#399	Convert (TC) to ITPWD with Dual Conduit (CND) Connectors	057128-380
#399	Convert Counter to (ICEX) Integral Counter with Transmitter CIR Connector 8/11/15C	058572-100
#399	Convert Counter to (ICEX) Integral Counter Transmitter with CIR Connector 2/3/5M	058572-200
#399	Convert Counters to ICEX Integral Counter Transmitter with CIR Connector 7/11/16M	058572-300
#399	Convert Counter to (ICEX) Integral Counter Transmitter with Cable Gland Connector 8/11/15C	058574-100
#399	Convert Counter to (ICEX) Integral Counter Transmitter with Conduit Connector 2/3/5M	058573-200
#399	Convert Counter to (ICEX) Integral Counter Transmitter with Cable Gland Connector 7/11/16M	058574-300
#399	Convert Counter to (ICEX) Integral Counter Transmitter with Conduit Connector 8/11/15C	058573-100
#399	Convert Counter to (ICEX) Integral Counter Transmitter with Cable Gland Connector 2/3/5M	058574-200
#399	Convert Counter to (ICEX) Integral Counter Transmitter with Conduit Connector 7/11/16M	058573-300

Series 3 HPC - (High Pressure Cartridge Meters) - Repair Assembly #399
 Mag Coupled Gear Reduction

Item No.	Part Description	Part Number
#399	Repair Assembly #399, SERIES 3 - CTR to CD - 1M/3M-740-1480	054602-200
#399	Repair Assembly #399, SERIES 3 - CTR to CD - 5M/7M/11M1480	056300-200
#399	Repair Assembly #399, SERIES 3 - CD to CTR - 1M/3M-740-1480	054602-400
#399	Repair Assembly #399, SERIES 3 - CD to CTR - 5M/7M/11M1480	054602-300
#399	Repair Assembly #399, SERIES 3 - CTR to ICEX - CIR Connector - 1M/3M-740/1480	058572-600
#399	Repair Assembly #399, SERIES 3 - CTR to ICEX - CBL Connector - 1M/3M-740/1480	058574-600
#399	Repair Assembly #399, SERIES 3 - CTR to ICEX - CND Connector - 1M/3M-740/1480	058573-600
#399	Repair Assembly #399, SERIES 3 - CTR to ICEX - CIR Connector - 5M/7M/11M-1480	058572-700
#399	Repair Assembly #399, SERIES 3 - CTR to ICEX - CBL Connector - 5M/7M/11M-1480	058574-700
#399	Repair Assembly #399, SERIES 3 - CTR to ICEX - CND Connector - 5M/7M/11M-1480	058573-700
#399	Repair Assembly #399, SERIES 3 - CTR to SSP - Single Connector (ICPWS) CIR - 1M/3M/5M/7M/11M HPC	057128-060
#399	Repair Assembly #399, SERIES 3 - CTR to SSP - Single Connector (ICPWS) CBL - 1M/3M/5M/7M/11M HPC	057128-080
#399	Repair Assembly #399, SERIES 3 - CTR to SSP - Single Connector (ICPWS) CND - 1M/3M/5M/7M/11M HPC	057128-130
#399	Repair Assembly#399, SERIES 3 - CTR to SSP - Dual Connector (ICPWD) CIR - 1M/3M/5M/7M/11M HPC	057128-070
#399	Repair Assembly#399, SERIES 3 - CTR to SSP Dual Connector (ICPWD) CBL - 1M/3M/5M/7M/11M HPC	057128-100
#399	Repair Assembly #399, SERIES 3 - CTR to SSP - Dual Connector (ICPWD) CND - 1M/3M/5M/7M/11M HPC	057128-140

Series 3 & Series 3 HPC - Repair Assembly #401

Mag Coupled Gear Reduction

Purpose

This section provides kit information for replacing the Series 3 or Series S3A gear train Accessory Unit assemblies.

Repair Assembly #401 is a gear reduction unit without the lexan or aluminum housing for Series 3 Counter and TC units. This assembly is only available in the Series 3 accessory.

Item No.	Part Description	Part Number
#401	Counter (CTR) without Cover 2M	055702-010
#401	Counter (CTR) without Cover 3M	055704-010
#401	Counter (CTR) without Cover 5M	055706-010
#401	Counter (CTR) without Cover 7M	055708-010
#401	Counter (CTR) without Cover 8C	055696-010
#401	Counter (CTR) without Cover 11C	055698-010
#401	Counter (CTR) without Cover 11M	055710-010
#401	Counter (CTR) without Cover 15C	055700-010
#401	Counter (CTR) without Cover 16M	055712-010
#401	Counter (CTR) without Cover 23M	055714-010
#401	Counter (CTR) without Cover 23M 4"	057433-010
#401	Counter (CTR) without Cover 38M	055716-010
#401	Counter (CTR) without Cover 56M	055718-010
#401	Counter (CTR) without Cover 1M300	055720-010
#401	Counter (CTR) without Cover 3M300	055722-010
#401	Temperature Compensated (TC) without Cover 2M	055702-040
#401	Temperature Compensated (TC) without Cover 3M	055704-040
#401	Temperature Compensated (TC) without Cover 5M	055706-040
#401	Temperature Compensated (TC) without Cover 7M	055708-040
#401	Temperature Compensated (TC) without Cover 8C	055696-040
#401	Temperature Compensated (TC) without Cover 11C	055698-040
#401	Temperature Compensated (TC) without Cover 11M	055710-040
#401	Temperature Compensated (TC) without Cover 15C	055700-040
#401	Temperature Compensated (TC) without Cover 16M	055712-040
High Pressure Cartridge Meters		
#401	Counter (CTR) without Cover 1M High Pressure Cartridge Meter	055724-010
#401	Counter (CTR) without Cover 3M High Pressure Cartridge Meter	055726-010
#401	Counter (CTR) without Cover 5M High Pressure Cartridge Meter	057156-010
#401	Counter (CTR) without Cover 7M High Pressure Cartridge Meter	059601-010
#401	Counter (CTR) without Cover 11M High Pressure Cartridge Meter	059783-010

Series 1 (LMMA) and Series 3- Repair Assembly #409

Mag Coupled Gear Reduction

Purpose

This section provides kit information for replacing the Series 1 (LMMA) or Series 3 housing that encloses the Accessory Unit assemblies.

Repair Assembly #409 is the housing that encloses the gear reduction unit and includes the mounting hardware. The housing is often referred to as the cover.

Item No.	Part Description	Part Number
#409	Lexan Cover with Mounting Hardware for Series 1 (LMMA) Cast Iron(CI) or Aluminum(AL) Counter (CTR) 1.5M-16M AL, 3M-11M CI, & 23M- 102M CI Series 1 (LMMA)	048185-000
#409	Lexan Cover with Mounting Hardware for Counter (CTR) Aluminum 1.5/3/5M Accessories.	048185-001
#409	Lexan Cover with Mounting Hardware for Counter (CTR) Cast Iron(CI) Series 1 (LMMA) 23/38/56/102M	048185-003
#409	Counter Lexan Cover with Mounting Hardware for Counter Series 1 (LMMA) 7/11/16M Aluminum and 3M-11M Cast Iron	048185-002
#409	Lexan Cover with Mounting Hardware for Temperature Compensated (TC) Series 1 (LMMA) 1.5/3/5M Aluminum	048184-001
#409	Lexan Cover with Mounting Hardware for Temperature Compensated (TC) Series 1 (LMMA) 7/11/16M Aluminum & 3M - 11M Cast Iron	048184-002
#409	Lexan Cover with Mounting Hardware for Temperature Compensated Series 1 (LMMA) Aluminum (Al) 1.5M -16M or Cast Iron 3M - 11M	048184-000
Series 3		
#409	Convert (TD) Temperature Compensated with Instrument Drive to Temperature Compensated Series 3, 8C-16M	054602-300
#409	Convert (CD) Counter with Instrument Drive to Counter Series 3, 8C-56M	054602-300
Series 3 (HPC) High Pressure Cartridge Meters		
#409	Lexan Instrument Cover with mounting hardware for Series 3 Assembly 1M/3M740/1480 High Pressure Cartridge Meter	054678-100

Series A - Repair Assembly #400

Purpose

This section provides kit information for replacing the Series "A Complete Unit" assemblies for LMMA meter bodies.

Repair Assembly #400 is offered to replace an existing accessory of the same version or to convert a meter to a different version. Note: The pulser connectors are only provided in Circular, Cable Gland or Conduit.

Please Note: Repair Assembly #400 Series A accessory units have been discontinued for sizes 1.5M-16M. The Repair Assembly #400 S3A is now available for these meter sizes

Item No.	Part Description	Part Number
#400	Cast Iron Counter w/Instrument Drive (CD) - 23M	050294-100
#400	Cast Iron Counter w/Instrument Drive (CD) - 38M	050295-100
#400	Cast Iron Counter w/Instrument Drive (CD) - 56M	050296-100
#400	Cast Iron Counter w/Instrument Drive (CD) - 102M	050297-100
#400	Cast Iron Counter (CTR) - 23M	050290-000
#400	Cast Iron Counter (CTR) - 38M	050291-000
#400	Cast Iron Counter (CTR) - 56M	050292-000
#400	Cast Iron Counter (CTR) - 102M	050293-000

Series 3 - Repair Assembly #400 CTR and CD

Purpose

This section provides kit information for the Series "3 Complete Unit" assemblies for Series B meter bodies.

Repair Assembly #400 is offered to replace an existing accessory of the same version or to convert a meter to a different version. Note: The gear train has to match the meter size to proper counts the volume of gas that passed through the meter body.

Item No.	Part Description	Part Number
#400	Counter w/Instrument Drive (CD) S3 - 8C	053965-021
#400	Counter w/Instrument Drive (CD) S3 - 11C	053967-021
#400	Counter w/Instrument Drive (CD) S3 - 15C	053969-021
#400	Counter w/Instrument Drive (CD) S3 - 2M	053971-021
#400	Counter w/Instrument Drive (CD) S3 - 3M	053973-021
#400	Counter w/Instrument Drive (CD) S3 - 5M	053975-021
#400	Counter w/Instrument Drive (CD) S3 - 7M	053977-021
#400	Counter w/Instrument Drive (CD) S3 - 11M	053979-021
#400	Counter w/Instrument Drive (CD) S3 - 16M	053981-021
#400	Counter w/Instrument Drive (CD) S3 - 23M	053983-021
#400	Counter w/Instrument Drive (CD) S3 - 38M	053985-021
#400	Counter w/Instrument Drive (CD) S3 - 56M	053987-021
#400	Counter w/Instrument Drive (CD) S3 - 1M300	053990-021
#400	Counter w/Instrument Drive (CD) S3 - 3M300	053992-021
#400	Counter w/Instrument Drive (CD) S3 - 1M HPC	054681-021
#400	Counter w/Instrument Drive (CD) S3 - 3M HPC	054683-021
#400	Counter w/Instrument Drive (CD) S3 - 5M HPC	056190-020
#400	Counter w/Instrument Drive (CD) S3 - 7M HPC	056192-020
#400	Counter w/Instrument Drive (CD) S3 - 11M HPC	059749-020
#400	Counter w/Instrument Drive (CD) S3 - 23M232	057421-020
#400	Counter (CTR) - S3 - 8C	053965-011
#400	Counter (CTR) - S3 - 11C	053967-011
#400	Counter (CTR) - S3 - 15C	053969-011
#400	Counter (CTR) - S3 - 2M	053971-011
#400	Counter (CTR) - S3 - 3M	053973-011
#400	Counter (CTR) - S3 - 5M	053975-011
#400	Counter (CTR) - S3 - 7M	053977-011
#400	Counter (CTR) - S3 - 11M	053979-011
#400	Counter (CTR) - S3 - 16M	053981-011
#400	Counter (CTR) - S3 - 23M	053983-011
#400	Counter (CTR) - S3 - 38M	053985-011
#400	Counter (CTR) - S3 - 56M	053987-011
#400	Counter (CTR) - S3 - 1M300	053990-011
#400	Counter (CTR) - S3 - 3M300	053992-011
#400	Counter (CTR) - S3 - 1M HPC	054681-011
#400	Counter (CTR) - S3 - 3M HPC	054684-011
#400	Counter (CTR) - S3 - 5M HPC	056190-010
#400	Counter (CTR) - S3 - 7M HPC	056192-010
#400	Counter (CTR) - S3 - 11M HPC	059749-010
#400	Counter (CTR) - S3 - 23M232	057421-010

Series 3 - Repair Assembly #400 ICEX

Item No.	Part Description	Part Number
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 8C	057209-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 11C	057212-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 15C	057214-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 2M	057217-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 3M	057220-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 5M	057223-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 7M	057226-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 11M	057230-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 16M	057232-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 23M175	057235-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 38M	057238-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 56M	057241-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 1M300	053991-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 3M300	053992-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 1M HPC	053990-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 3M HPC	057748-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 5M HPC	060220-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 7M HPC	059611-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 11M HPC	059754-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CIR - 23M232	057244-160
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 8C	057209-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 11C	057212-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 15C	057214-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 2M	057217-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 3M	057220-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 5M	057223-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 7M	057226-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 11M	057230-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 16M	057232-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 23M175	057235-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 38M	057238-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 56M	057241-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 1M300	053991-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 3M300	053992-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 1M HPC	053990-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 3M HPC	057748-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 5M HPC	060220-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 7M HPC	059611-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 11M HPC	059754-180
#400	Counter with Electronic Transmitter (ICEX) - S3 CBL - 23M232	057244-180

Series 3 - Repair Assembly #400 ICEX

Item No.	Part Description	Part Number
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 8C	057209-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 11C	057212-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 15C	057214-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 2M	057217-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 3M	057220-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 5M	057223-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 7M	057226-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 11M	057230-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 16M	057232-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 23M175	057235-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 38M	057238-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 56M	057241-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 1M300	053991-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 3M300	053992-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 1M HPC	058966-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 3M HPC	057748-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 5M HPC	060220-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 7M HPC	059611-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 11M HPC	059754-170
#400	Counter with Electronic Transmitter (ICEX) - S3 CND - 23M232	057244-170

Series 3 - Repair Assembly 400 - ICPWS

Item No.	Part Description	Part Number
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 8C	057209-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 11C	057212-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 15C	057214-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 2M	057217-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 3M	057220-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 5M	057223-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 7M	057226-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 11M	057230-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 16M	057232-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 23M175	057235-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 38M	057238-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 56M	057241-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 1M300	053991-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 3M300	053992-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 1M HPC	058966-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 3M HPC	057748-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 5M HPC	060220-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 7M HPC	059611-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 11M HPC	059754-060
#400	Counter Pulser with Single Connector (ICPWS) - S3 CIR - 23M232	057244-160
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 8C	057209-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 11C	057212-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 15C	057214-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 2M	057217-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 3M	057220-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 5M	057223-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 7M	057226-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 11M	057230-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 16M	057232-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 23M175	057235-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 38M	057238-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 56M	057241-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 1M300	053991-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 3M300	053992-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 1M HPC	058966-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 3M HPC	057748-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 5M HPC	060220-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 7M HPC	059611-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 11M HPC	059754-080
#400	Counter Pulser with Single Connector (ICPWS) - S3 CBL - 23M232	057244-080

Series 3 - Repair Assembly 400 - ICPWS

Item No.	Part Description	Part Number
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 8C	057209-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 11C	057212-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 15C	057214-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 2M	057217-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 3M	057220-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 5M	057223-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 7M	057226-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 11M	057230-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 16M	057232-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 23M175	057235-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 38M	057238-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 56M	057241-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 1M300	053991-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 3M300	053992-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 1M HPC	058966-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 3M HPC	057748-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 5M HPC	060220-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 7M HPC	059611-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 11M HPC	059754-130
#400	Counter Pulser with Single Connector (ICPWS) - S3 CND - 23M232	057244-130

Series 3 - Repair Assembly #400 - ICPWD

Item No.	Part Description	Part Number
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 8C	057209-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 11C	057212-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 15C	057214-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 2M	057217-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 3M	057220-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 5M	057223-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 7M	057226-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 11M	057230-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 16M	057232-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 23M175	057235-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 38M	057238-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 56M	057241-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 1M300	053991-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 3M300	053992-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 1M HPC	058966-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 3M HPC	057748-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 5M HPC	060220-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 7M HPC	059611-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 11M HPC	059754-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CIR - 23M232	057244-070
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 8C	057209-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 11C	057212-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 15C	057214-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 2M	057217-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 3M	057220-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 5M	057223-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 7M	057226-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 11M	057230-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 16M	057232-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 23M175	057235-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 38M	057238-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 56M	057241-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 1M300	053991-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 3M300	053992-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 1M HPC	058966-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 3M HPC	057748-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 5M HPC	060220-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 7M HPC	059611-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 11M HPC	059754-100
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CBL - 23M232	057244-100

Series 3 - Repair Assembly #400 - ICPWD

Item No.	Part Description	Part Number
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 8C	057209-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 11C	057212-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 15C	057214-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 2M	057217-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 3M	057220-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 5M	057223-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 7M	057226-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 11M	057230-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 16M	057232-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 23M175	057235-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 38M	057238-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 56M	057241-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 1M300	053991-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 3M300	053992-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 1M HPC	058966-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 3M HPC	057748-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 5M HPC	060220-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 7M HPC	059611-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 11M HPC	059754-140
#400	Counter Pulser with Dual Connector (ICPWD) - S3 CND - 23M232	057244-140

Series 3 - Repair Assembly #400 - TC and TD

Item No.	Part Description	Part Number
#400	Temperature Compensated (TC) - S3 - 8C	053965-041
#400	Temperature Compensated (TC) - S3 - 11C	053967-041
#400	Temperature Compensated (TC) - S3 - 15C	053969-041
#400	Temperature Compensated (TC) - S3 - 2M	053971-041
#400	Temperature Compensated (TC) - S3 - 3M	053973-041
#400	Temperature Compensated (TC) - S3 - 5M	053975-041
#400	Temperature Compensated (TC) - S3 - 7M	053977-041
#400	Temperature Compensated (TC) - S3 - 11M	053979-041
#400	Temperature Compensated (TC) - S3 - 16M	053981-041
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 8C	053965-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 11C	053967-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 15C	053969-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 2M	053971-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 3M	053973-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 5M	053975-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 7M	053977-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 11M	053979-051
#400	Temperature Compensated w/ Instrument Drive (TD) - S3 - 16M	053981-051

Series 3 - Repair Assembly #400 - ITPWS

Item No.	Part Description	Part Number
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 8C	057209-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 11C	057212-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 15C	057214-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 2M	057217-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 3M	057220-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 5M	057223-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 7M	057226-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 11M	057230-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 MSC - 16M	057232-310
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 8C/R	057209-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 11C	057212-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 15C	057214-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 2M	057217-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 3M	057220-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 5M	057223-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 7M	057226-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 11M	057230-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CBL - 16M	057232-330
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND- 8C	057209-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND - 11C	057212-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND- 15C	057214-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND- 2M	057217-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND - 3M	057220-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND - 5M	057223-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND - 7M	057226-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND - 11M	057230-260
#400	Temperature Compensated Pulser w/Single Connector (ITPWS) - S3 CND - 16M	057232-260

Series 3 - Repair Assembly #400 - ITPWD

Item No.	Part Description	Part Number
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 8C	057209-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 11C	057212-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 15C	057214-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 2M	057217-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 3M	057220-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 5M	057223-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 7M	057226-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR - 11M	057230-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CIR- 16M	057232-320
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 8C	057209-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 11C	057212-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 15C	057214-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 2M	057217-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 3M	057220-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 5M	057223-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 7M	057226-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 11M	057230-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 CBL - 16M	057232-340
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 8C	057209-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 11C	057212-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 15C	057214-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 2M	057217-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 3M	057220-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 5M	057223-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 7M	057226-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 11M	057230-380
#400	Temperature Compensated Pulser w/Dual Connectors (ITPWD) - S3 Conduit - 16M	057232-380

Series S3A - Repair Assembly 400

Purpose

This section provides kit information for converting the Series "A" meter body and accessory to Series "B Accessory Unit" assemblies.

Repair Assembly #400 is offered to replace the existing accessory and enable the flexibility of having a Series 3 accessory with the LMMA meter body.

Item No.	Part Description	Part Number
#400 CD	S3A - 1.5M (Counter with Instrument Drive)	058427-020
#400 CD	S3A - 3M (Counter with Instrument Drive)	058428-020
#400 CD	S3A - 5M (Counter with Instrument Drive)	058429-020
#400 CD	S3A - 7M (Counter with Instrument Drive)	058430-020
#400 CD	S3A - 11M (Counter with Instrument Drive)	058431-020
#400 CD	S3A - 16M (Counter with Instrument Drive)	058432-020
#400 CTR	S3A - 1.5M (Counter)	058427-010
#400 CTR	S3A - 3M (Counter)	058428-010
#400 CTR	S3A - 5M (Counter)	058429-010
#400 CTR	S3A - 7M (Counter)	058430-010
#400 CTR	S3A - 11M (Counter)	058431-010
#400 CTR	S3A - 16M (Counter)	058432-010
#400	CTR (Counter) S3A w/AMCO 40G ERT AMR Adapter - 1.5M	058729-110
#400	CTR (Counter) S3A w/AMCO 40G ERT AMR Adapter - 3M	058730-110
#400	CTR (Counter) S3A w/AMCO 40G ERT AMR Adapter - 5M	058731-110
#400	CTR (Counter) S3A w/AMCO 40G ERT AMR Adapter - 7M	058732-110
#400	CTR (Counter) S3A w/AMCO 40G ERT AMR Adapter - 11M	058733-110
#400	CTR (Counter) S3A w/AMCO 40G ERT AMR Adapter - 16M	058734-110
#400	ICPWS (Counter/Plsr, Single Connector) S3A CIR- 1.5M	058427-060
#400	ICPWS (Counter/Plsr, Single Connector) S3A CIR - 3M	058428-060
#400	ICPWS (Counter/Plsr, Single Connector) S3A CIR - 5M	058429-060
#400	ICPWS (Counter/Plsr, Single Connector) S3A CIR - 7M	058430-060
#400	ICPWS (Counter/Plsr, Single Connector) S3A CIR - 11M	058431-060
#400	ICPWS (Counter/Plsr, Single Connector) S3A CIR - 16M	058432-060
#400	ICPWS(Counter/Plsr, Single Connector) S3A CBL - 1.5M	058427-080
#400	ICPWS(Counter/Plsr, Single Connector) S3A CBL - 3M	058428-080
#400	ICPWS(Counter/Plsr, Single Connector) S3A CBL - 5M	058429-080
#400	ICPWS(Counter/Plsr, Single Connector) S3A CBL - 7M	058430-080
#400	ICPWS(Counter/Plsr, Single Connector) S3A CBL - 11M	058431-080
#400	ICPWS(Counter/Plsr, Single Connector) S3A CBL - 16M	058432-080

Series S3A - Repair Assembly 400

Item No.	Part Description	Part Number
#400	ICPWS (Counter/Plsr, Single Connector) S3A CND -1.5M	058427-130
#400	ICPWS (Counter/Plsr, Single Connector) S3A CND -3M	058428-130
#400	ICPWS (Counter/Plsr, Single Connector) S3A CND - 5M	058429-130
#400	ICPWS (Counter/Plsr, Single Connector) S3A CND - 7M	058430-130
#400	ICPWS (Counter/Plsr, Single Connector) S3A CND - 11M	058431-130
#400	ICPWS (Counter/Plsr, Single Connector) S3A CND - 16M	058432-130
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CIR -1.5M	058427-070
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CIR -3M	058428-070
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CIR -5M	058429-070
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CIR - 7M	058430-070
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CIR - 11M	058431-070
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CIR - 16M	058432-070
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CBL -1.5M	058427-100
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CBL -3M	058428-100
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CBL -5M	058429-100
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CBL - 7M	058430-100
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CBL - 11M	058431-100
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CBL - 16M	058432-100
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CND -1.5M	058427-140
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CND -3M	058428-140
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CND -5M	058429-140
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CND - 7M	058430-140
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CND - 11M	058431-140
#400	ICPWD (Counter/Plsr, Dual Connectors) S3A CND - 16M	058432-140
#400	TC (Temperature Compensated) S3A - 1.5M	058427-040
#400	TC (Temperature Compensated) S3A - 3M	058428-040
#400	TC (Temperature Compensated) S3A - 5M	058429-040
#400	TC (Temperature Compensated) S3A - 7M	058430-040
#400	TC (Temperature Compensated) S3A - 11M	058431-040
#400	TC (Temperature Compensated) S3A - 16M	058432-040
#400	TD (Temperature Compensated/Instrument Drive) S3A - 1.5M	058427-050
#400	TD (Temperature Compensated/Instrument Drive) S3A - 3M	058428-050
#400	TD (Temperature Compensated/Instrument Drive) S3A - 5M	058429-050
#400	TD (Temperature Compensated/Instrument Drive) S3A - 7M	058430-050
#400	TD (Temperature Compensated/Instrument Drive) S3A - 11M	058431-050
#400	TD (Temperature Compensated/Instrument Drive) S3A - 16M	058432-050

Series S3A - Repair Assembly 400

Item No.	Part Description	Part Number
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CIR - 1.5M	058427-310
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CIR - 3M	058428-310
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CIR - 5M	058429-310
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CIR - 7M	058430-310
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CIR - 11M	058431-310
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CIR - 16M	058432-310
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CND - 1.5M	058427-260
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CND - 3M	058428-260
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CND - 5M	058429-260
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CND - 7M	058430-260
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CND - 11M	058431-260
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CND - 16M	058432-260
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CBL - 1.5M	058427-330
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CBL - 3M	058428-330
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CBL - 5M	058429-330
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CBL - 7M	058430-330
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CBL - 11M	058431-330
#400	ITPWS (Temperature Compensated/Plsr, Single Connector) S3A CBL - 16M	058432-330
#400	ITPWD (Temperature Compensated/Plsr, Dual Connectors) S3A CIR - 1.5M	058427-320
#400	ITPWD (Temperature Compensated/Plsr, Dual Connectors) S3A CIR - 3M	058428-320
#400	ITPWD (Temperature Compensated/Plsr, Dual Connectors) S3A CIR - 5M	058429-320
#400	ITPWD (Temperature Compensated/Plsr, Dual Connectors) S3A CIR - 7M	058430-320
#400	ITPWD (Temperature Compensated/Plsr, Dual Connectors) S3A CIR - 11M	058431-320
#400	ITPWD (Temperature Compensated/Plsr, Dual Connectors) S3A CIR - 16M	058432-320
#400	ICEX (Counter with Electronic Transmitter) S3A CIR - 1.5M	058427-160
#400	ICEX (Counter with Electronic Transmitter) S3A CIR - 3M	058428-160
#400	ICEX (Counter with Electronic Transmitter) S3A CIR - 5M	058429-160
#400	ICEX (Counter with Electronic Transmitter) S3A CIR - 7M	058430-160
#400	ICEX (Counter with Electronic Transmitter) S3A CIR - 11M	058431-160
#400	ICEX (Counter with Electronic Transmitter) S3A CIR - 16M	058432-160
#400	ICEX (Counter with Electronic Transmitter) S3A CBL - 1.5M	058427-180
#400	ICEX (Counter with Electronic Transmitter) S3A CBL - 3M	058428-180
#400	ICEX (Counter with Electronic Transmitter) S3A CBL - 5M	058429-180
#400	ICEX (Counter with Electronic Transmitter) S3A CBL - 7M	058430-180
#400	ICEX (Counter with Electronic Transmitter) S3A CBL - 11M	058431-180
#400	ICEX (Counter with Electronic Transmitter) S3A CBL - 16M	058432-180

Series S3A - Repair Assembly 400

Item No.	Part Description	Part Number
#400	ICEX (Counter with Electronic Transmitter) S3A CND - 1.5M	058427-170
#400	ICEX (Counter with Electronic Transmitter) S3A CND - 3M	058428-170
#400	ICEX (Counter with Electronic Transmitter) S3A CND - 5M	058429-170
#400	ICEX (Counter with Electronic Transmitter) S3A CND - 7M	058430-170
#400	ICEX (Counter with Electronic Transmitter) S3A CND - 11M	058431-170
#400	ICEX (Counter with Electronic Transmitter) S3A CND - 16M	058432-170
#400	TC (Temperature Compensated) S3A - w/Itron 40G INVENSYS AMR Adapter - 1.5M	058729-040
#400	TC (Temperature Compensated) S3A - w/Itron 40G INVENSYS AMR Adapter - 3M	058730-040
#400	TC (Temperature Compensated) S3A - w/Itron 40G INVENSYS AMR Adapter - 5M	058731-040
#400	TC (Temperature Compensated) S3A - w/Itron 40G INVENSYS AMR Adapter - 7M	058732-040
#400	TC (Temperature Compensated) S3A - w/Itron 40G INVENSYS AMR Adapter - 11M	058733-040
#400	TC (Temperature Compensated) S3A - w/Itron 40G INVENSYS AMR Adapter - 16M	058734-040
#400	TC (Temperature Compensated) S3A - w/Itron 40G AMCO AMR Adapter - 1.5M	058729-140
#400	TC (Temperature Compensated) S3A - w/Itron 40G AMCO AMR Adapter - 3M	058730-140
#400	TC (Temperature Compensated) S3A - w/Itron 40G AMCO AMR Adapter - 5M	058731-140
#400	TC (Temperature Compensated) S3A - w/Itron 40G AMCO AMR Adapter - 7M	058732-140
#400	TC (Temperature Compensated) S3A - w/Itron 40G AMCO AMR Adapter - 11M	058733-140
#400	TC (Temperature Compensated) S3A - w/Itron 40G AMCO AMR Adapter - 16M	058734-140
#400	TC (Temperature Compensated) S3A - w/Itron 100G AMR Adapter - 1.5M	058729-640
#400	TC (Temperature Compensated) S3A - w/Itron 100G AMR Adapter - 3M	058730-640
#400	TC (Temperature Compensated) S3A - w/Itron 100G AMR Adapter - 5M	058731-640
#400	TC (Temperature Compensated) S3A - w/Itron 100G AMR Adapter - 7M	058732-640
#400	TC (Temperature Compensated) S3A - w/Itron 100G AMR Adapter - 11M	058733-640
#400	TC (Temperature Compensated) S3A - w/Itron 100G AMR Adapter - 16M	058734-640

Series 3 Accessory Units Miscellaneous Parts

Description	Max. Qty Per Meter	Counter Type	Part Number
Lexan® Accessory Cover	1	CTR, TC	057404-000
Lexan® Accessory Cover	1	CD, TD	054090-001
Slip Ring	1	ALL	053780-000
Screw, 10-24 X 5/8	3	CTR, TC, ICPWX, ITPWX	000141-267
Screw, 10-24 X 5/8, drilled head	1	CTR, TC, ICPWX, ITPWX	011951-004
Screw, 10-24 X 1"	3	CD, TD	000141-273
Screw, 10-24 X 1", drilled head	1	CD, TD	011951-007
Quad-Ring Seal for Slip Ring end	1	ALL	013456-155
Quad-Ring Seal for ID end	1	CD, TD	013456-154
ID Assembly	1	CD, TD	054186-000
ID Support Assembly	1	CD, TD	053913-000
Universal Adapter Plate Assembly (includes drive dog & mounting hardware)	1	CD, TD	047269-000
O-Ring Support Housing	1	CD, TD	000568-044
Gear Train Assembly w/ O-Ring	1	CD, TD	055958-000
O-Ring, Gear Train Assembly	1	CD, TD	000568-021
ID Front Cover Plate	1	CD, TD	053922-000
ID Side Cover Plate	1	CD, TD	053921-000
Screws for Side Plate/Front Cover Plate	2	CD, TD	011951-004
Drive Dog Shear Pin (pkg of 5)	1	CD, TD	048384-005
Drive Dog	1	CD, TD	056936-000
Temperature Probe	1	TC, TD, ITPWX	051851-000
Hardware Kit, Mounting	1	CTR, TC	053858-000

Series 1 (LMMA) Accessory Parts List

C, CD, CEX

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
221	Drive Dog w/Pin Assembly	1	C	D, CD	056936-000
222	Instrument Adapter Plate	1	C	D, CD	031972-000
223	Cap Screw 1/4-20 x 3/4	2	C	D, CD	010104-005
224	Pin, Shear (1 set of 5)	1 set	C	D, CD	048384-005
402	Gasket, Interface (accessory to Meter)	1	C	FM [†]	046991-001
403	Cap Screw (Socket Head) 6-32x3/8	2	C	FM	000141-236
404	Cap Screw (Socket Head) 10-24x3/4 10-24x7/8	5	C	C-ALL, FM	000141-269 000141-271
405	Cap Screw (Drilled Head) 10-24x3/4 10-24x7/8	1 1 1	C C C	C (AL&CI) D,CD (AL) D,CD(CI)FM	011951-005 011951-006
406	Washer, Flat, Plain	6	C	ALL	000301-109
407	Nut, Self-Locking, Hex 10-24x3/8	5	C	T(AL)1.5M- 5M	011747-004
408	Gasket, Internal Large, Meter Interface	1	C	C, CD, D	046991-001

NOTE: [†]Foot Mounted, Mag-Coupled only.

Refer to Instruction Manual IRM-AU or SM-AU for item number reference.

Series 1 (LMMA) Accessory Parts List
 C, CD, CEX

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
409	Cover, Lexan – CTR (includes #402, #408 & #410)	1	C	All	048185-000
410	Plug, Self-Sealing, Oil	3	C	ALL	011922-000
415	Plate, Adapter Assembly (includes bushings & bearings)	1	B	FM	047025-000
457	Plate, Center Assembly (includes bearings or bushings)	1	B	FM	047027-000
495	Washer, Flat, Spacer [†]	Varies	B	C,CD	009991-001
500	Counter Only (odometer) Counter Assembly for All Mag Coupled meters - steel shaft (replaces all plastic shaft counters). Includes items #495, #500, #518, #553, #557, #559, and #579.	2	C	ALL	048843-000
502	Shaft	1	B	C, CD	047022-000
503	Shaft, Idler	1	B	ALL	047024-000
504	Shaft, Magnet Drive	1	B	C, D, CD,FM	047023-000
506	Pin, Spiral [†]	8	C/B	FM	009906-001
507	Pin, Spiral [†]	4	C	FM	009906-006
511	Magnet & Hub Assembly (Includes #506 & 515)	1	C	FM	048179-000
515	Ring, Retaining [†]	1	C	FM	010785-002
516	Washer, Spacer [†]	Varies	B	FM	000301-109
517	Pin, Spiral [†]	2	B	FM	009906-001
519	Gear Counter Drive (20T)	2	B	FM	009967-001
519A	Gear, Counter Drive (20T), Modified	1	B	FM	048154-000
520	Gear, Drive (10T)-Line Mounted	2	B	FM	009970-001
521	Gear, Drive (12T)-7M, 23M, 38M, 56M	2	B	FM	009969-001
522	Gear, Drive (15T) - 5M, 102M	2	B	FM	009968-001
529	Gear Assembly & Pinion (45T/15T)- 102M	2	B	FM	009966-008
533	Gear Assembly & Pinion (48T/15T) -56M	1	B	FM	009966-015
535	Gear Assembly & Pinion (48T/20T) - 38M	1	B	FM	009966-006
536	Gear Assembly & Pinion (48T/12T) 23M, 38M, 56M	1	B	FM	009966-005
539A	Gear Assembly & Pinion (40T/25T)(38) 38M only.	1	B	FM	009966-425
547	Gear Assembly w/Hub (40T)	1	B	C,CD	009965-001

[†]These items included in Small Parts Assortment (qty. of 24 of each), P/N 048706-000.
 Refer to Instruction Manual IRM-AU or SM-AU for item number reference.

Series 1 (LMMA) Accessory Parts List

C, CD, CEX

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
557	Gear, Counter Drive (20T), Modified	1	B	C,CD	048101-000
559	Washer, Flat Spacer [†]	Varies	B	FM	009990-001
560	Spacer, Center-to-End Plate	3	B	FM	047049-000
562	Nut, Hex. Head	3	B	FM	011716-005
563	Lockwasher	3	B	FM	011717-080
569	Plate, End Assembly (includes bushings, idler shaft, and bearing)	1	B	FM	047026-003
577	Pin, Spiral [†]	2	B	FM	009906-005
579	Ring, Retaining [†]	12	C	C,CD	011813-001
580	Dial, counter -1 rev. 10 cu. ft. 1 rev. 100 cu. ft.	1 1	C C	C,CD C,CD	049294-001 049294-002
582	Dial, Black & White	2	C	C,CD	009946-001
712	Washer, Flat	3	B	C,CD, ID	011717-080
713	Nut, Allen	4	C	C,CD	011733-005
715	Lockwasher, Internal	4	C	C,CD	011719-005
723	Bushing, Flanged (Rulon)	1	C	D,CD	012402-003
723A	Bushing, Modified (Rulon)	1	C	D,CD	051104-000
725	Washer, Flat	2	C	D,CD	004377-002

[†]These items are included in Small Parts Assortment (qty. of 24 of each), P/N 048706-000.

[‡]When replacing old TC Nameplates which had the long tabs, with the new type Nameplates listed in #565, four (4) spacers (P/N 050075-000) are required to hold the replacement steel shaft counters in place. Refer to Instruction Manual IRM-AU or SM-AU for item number reference.

Series 1 (LMMA) Accessory Parts List

C, CD, CEX

Item No.	Description	Max. Qty Per Meter	Repair Class	Meter Size	Part Number
726	Ring, Retaining [†]	2	C	D,CD	011753-001
728	Screw, Set [†]	1	C	D,CD	010050-004
729	Plug, Oil Sight - Bonded (see #730)	2	C	D,CD	048171-000
731	Pin, Dowel	2	B	D,CD	010098-008
732	Coupling, Gear Reduction	1	C	D,CD	047775-000
733	Window, Counter	2	B	CD	048037-000
737	Bushing (Rulon), Support Housing	2	B	D,CD	012402-003
738	Washer, Flat	2	C	D,CD	004377-002
739	Ring, Retaining	2	C	D,CD	011753-001
741	Screw, Set	2	C	D,CD	000171-171
742	Gasket, Cover Plate	1	C	D,CD	047193-000
743	Plate, cover	1	C	D,CD	047072-000
744	Screw, Drilled Head	4	C	D,CD	000143-218
748	Cap Screw (Socket Head) 10-24 x 7/8	2	C	D,CD	000141-271
749	Washer, Flat	4	C	D,CD,	000301-109
750	Cap Screw (Drilled Head) 10-24 x 7/8	2	C	D,CD	011951-006
751	Nut, Allen 10-24	4	C	D,CD	011733-005
753	Lockwasher, Internal	4	C	D,CD	011719-005
833A	Gear Assembly w/Hub 41T(20) - 56M	1	B	FM	009965-218
839B	Gear Assembly w/Hub 61T(25) - 23M	1	B	FM	009965-226
881	Pin, Hinge	2	C	C,CD	049230-000

X = "000" for AL Body Meters (1.5M, 3M, 5M); "001" for CI Body meters (3M, 5M, 7M, 11M) and AL Body Meters (7M, 11M, 16M).

[†]These items included in Small Parts Assortment (qty. of 24 of each), P/N 048706-000. Refer to Instruction Manual IRM-AU or SM-AU for item number reference.

Refer to Instruction Manual IRM-AU or SM-AU for item number reference.

LEGEND:

CTR (Counter Version)
 TC (Temperature Compensated)
 CD (Counter w/ Instrument Drive)
 TD (Temperature Compensated with Instrument Drive)

ROOTS™ Prover Model No. 5 Parts List and Accessories

Description	Meter Size	Part Number
Tool Box/Large Black Accessory Case	1	012849-000
Field Meter Pressure Adapter	1	052579-000
Field Meter Pressure & Temperature Adapter	1	052580-000
Field Meter Temperature Probe	1	051998-000
Field Meter Instrument Drive Pulser	1	052191-000
Field Meter Instrument Drive Pulser Cable	1	051993-000
Manual Start/Stop Cable	1	052485-000
Blue Pressure Tubing	2 – 48"	011290-001
Black Pressure Tubing	2 – 48"	011290-002
25' Electrical Extension Cord	1	012850-000
Computer Cable to Controller	1	052017-000
Field Meter Junction Box 30' (requires calibration)	1	052000-000
3" Aluminum Hose Plug	1	011323-008
Cable Master Meter to Controller	1 – 45"	051992-000
Cable Master Meter to Controller (Extended Length)	1 – 25'	051992-100
3" Kamlock Cap	1	012444-000
Thumb Screw (included w/pulser)	2	011501-002
Clamp for holding ID Pulser (included w/pulser)	2	042991-000
Blower	2	052188-000
Blower Brushes	4	046894-000
25' Prover hose	1	043441-000
Hose Gasket	2	013287-000
10M Master Meter	1	058259-100
10M Master Meter Temperature Probe	1	051999-002
2M Master Meter Assembly	1	058332-101
2M Master Meter Temperature Probe	1	051999-001
Conversion Kit From 10M to 2M/10M	1	052288-004
Quick Disconnect Shut Off Valve	4	012844-002
Knurls (Flareless Fitting)	4	012796-003
Controller	1	052013-001
Resettable Circuit Breaker	1	013355-000
Triac Board - 10M and Mobile 5	1	058326-100
Triac Board (Expandable) 5M/20M and 80M	1	058326-110
Triac Board (Expansion) 5M/20M and 80M	1	058326-120

ROOTS™ Prover Model No. 5 Parts List and Accessories

Description	Meter Size	Part Number
Solenoid	1	012840-003
Pulsation Dampener (Snubber)	4	012505-003
Seal Fitting for Temperature Probes	3	012918-001
Cart Tire and Wheel	2	011900-000
Acoustic Filter	1	052899-000
RS-PB Scanner Kit	1	052519-200
RS-PB Scanner Assembly	1	051997-200
Inverter Vanner - Trusine	1	012966-000
Male Quick Disconnect Nipple for Hose Adapter	1	011321-001
Female Quick Disconnect Nipple for Hose Adapter	1	011322-001
Smart Prove & USB to Serial Port Convertor	1	058860-100
Smart Prove Cable (only NOCD)	1	058687-000
Field Meter Junction Box 60' (requires calibration)	1	052000-100

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