



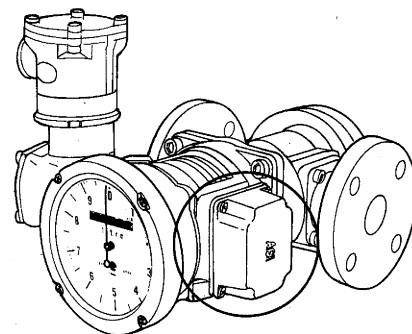
INSTRUCTIONS

Ins. No. G-003-AG1-E

OVAL STANDARD ACCURACY ADJUSTOR MODEL AG1

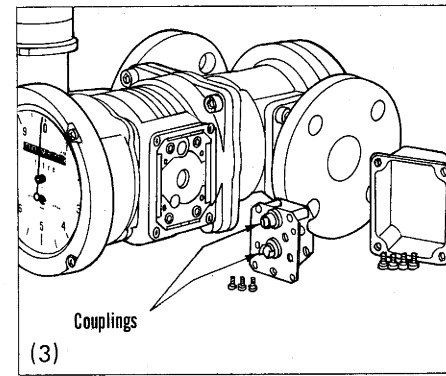
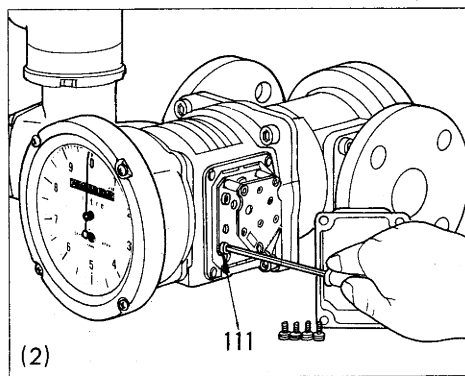
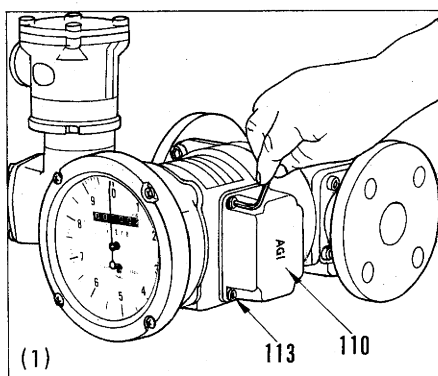
■ GENERAL

Oval Flow Meters are adjusted for accuracy by changing the gear ratio between the meter output shaft and the register until the register indicates the quantity of liquid measured. The model AG1 adjustor accomplishes this change in positive and definite increments-under pressure without loss of liquid. This unit is a gear train consisting of six gears. By changing the unit, the meter accuracy can be adjusted in steps of 0.2%. Fifty units, each consisting of six gears, are available as shown on back page to ensure the sustained accuracy.



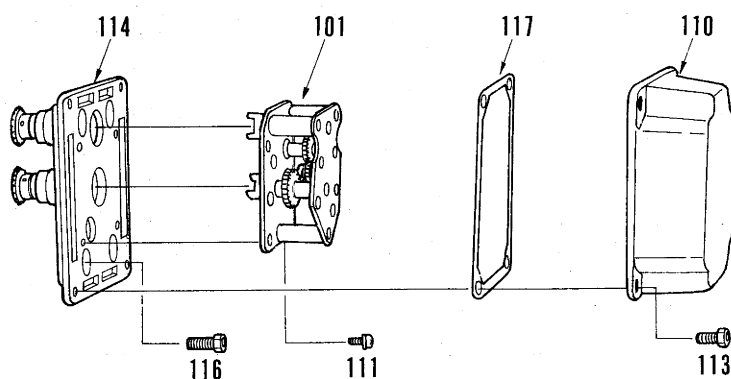
■ REPLACING ACCURACY ADJUSTING GEAR ASSEMBLY

Every Oval Flow Meter is calibrated according to your specifications before shipment, however, it is recommended to calibrate the meter at predetermined intervals to obtain the most accurate measurement of liquid. The pictures below illustrate the replacement of the unit.



- (1) Remove the cover sym. 110 by taking out four socket screws sym. 113 with an allen wrench key.
- (2) Unscrew three screws sym. 111 with a screwdriver.

- (3) Now the unit is ready to be removed. You will notice the engraved on AG Plate sym. 101 with which you can find an appropriate unit to correct your meter accuracy. When replacing the unit, the couplings must be engaged properly. Before re-placing the cover, check the operation of the unit by running the meter.



Sym.No.	Part Name	Qty.
100	ACCURACY ADJUSTOR AG1	1 set
※ 101	ACCURACY ADJUSTOR Unit	1
110	Cover	1
111	Screw(W. Spring Washer)	4
113	Socket Hd. Screw	4
114	Mounting Adapter	1
116	Screw	4
117	Gasket	1

※ Unit Assembly

ACCURACY ADJUSTING GEAR TABLE

No.	Ratio %	Gear No.1	Gear No.2	Gear No.3	Gear No.4	Gear No.5	Gear No.6	Gear Ratio
100	- 0.10	31	37	31	35	35	26	0.9989605
1102	- 0.25	33	36	33	34	37	33	0.9975490
101	- 0.33	30	38	31	34	36	26	0.9966666
1104	- 0.39	31	38	33	34	39	31	0.9961300
1105	- 0.48	33	36	32	35	38	32	0.9952381
102	- 0.56	31	37	30	35	36	26	0.9943570
1107	- 0.64	30	39	31	36	42	28	0.9935897
103	- 0.76	30	38	32	33	35	27	0.9923790
104	- 0.85	32	36	29	36	36	26	0.9914530
105	- 0.97	31	37	31	34	35	27	0.9902550
1111	- 1.10	33	36	29	38	41	29	0.9890351
106	- 1.21	33	35	28	37	36	26	0.9879410
107	- 1.35	31	37	32	33	34	28	0.9865450
1114	- 1.42	40	29	27	40	36	34	0.9858012
108	- 1.47	30	38	34	31	33	29	0.9853050
109	- 1.59	32	36	31	34	34	28	0.9841270
110	- 1.68	31	37	33	32	33	29	0.9831950
1118	- 1.74	38	31	27	40	38	32	0.9825605
111	- 1.87	33	35	30	35	34	28	0.9813410
112	- 2.00	30	38	36	29	31	31	0.9800360
113	- 2.18	33	35	31	34	33	29	0.9782380
114	- 2.25	31	37	35	30	31	31	0.9774800
115	- 2.48	33	35	32	33	32	30	0.9752380
116	- 2.71	31	37	37	28	29	33	0.9729440
117	- 2.78	32	36	35	30	30	32	0.9722220
118	- 3.03	32	36	36	29	29	33	0.9696790
119	- 3.12	36	32	28	37	33	29	0.9687790
120	- 3.30	35	33	31	34	31	31	0.9670230
121	- 3.57	36	32	30	35	31	31	0.9642920
122	- 3.84	36	32	31	34	30	32	0.9616270
123	- 3.92	34	34	35	30	28	34	0.9607800
124	- 4.13	36	32	32	33	29	33	0.9586800
0	+ 0.10	37	31	35	31	26	35	1.0010405
1002	+ 0.25	36	33	34	33	33	37	1.0024570
1	+ 0.33	38	30	34	31	26	36	1.0033400
1004	+ 0.44	32	37	36	31	35	35	1.0043592
1005	+ 0.54	33	36	36	31	34	36	1.0053763
2	+ 0.57	37	31	35	30	26	36	1.0056800
1007	+ 0.72	28	41	39	28	36	34	1.0071736
3	+ 0.77	38	30	33	32	27	35	1.0076800
4	+ 0.86	36	32	36	29	26	36	1.0086100
5	+ 0.98	37	31	34	31	27	35	1.0098400
1011	+ 1.08	32	37	38	29	33	37	1.0107554
6	+ 1.22	35	33	37	28	26	36	1.0122000
7	+ 1.25	36	32	35	30	27	35	1.0125000
8	+ 1.36	37	31	33	32	28	34	1.0136300
9	+ 1.49	38	30	31	34	29	33	1.0149100
10	+ 1.61	36	32	34	31	28	34	1.0161200
11	+ 1.71	37	31	32	33	29	33	1.0170900
12	+ 1.90	35	33	35	30	28	34	1.0190100
13	+ 2.04	38	30	29	36	31	31	1.0203700
14	+ 2.22	35	33	34	31	29	33	1.0222400
15	+ 2.30	37	31	30	35	31	31	1.0230400
16	+ 2.54	35	33	33	32	30	32	1.0253900
17	+ 2.61	33	35	37	28	28	34	1.0260500
18	+ 2.78	37	31	28	37	33	29	1.0278000
19	+ 2.86	36	32	30	35	32	30	1.0285700
20	+ 3.13	36	32	29	36	33	29	1.0312500
21	+ 3.22	32	36	37	28	29	33	1.0322200
22	+ 3.41	33	35	34	31	31	31	1.0341000
23	+ 3.70	32	36	35	30	31	31	1.0370300
24	+ 3.99	32	36	34	31	32	30	1.0399000

Sales Representative :