

2020

Parts Catalog

INTRODUCTION

This publication is provided solely as a guide for individuals who have received METTLER TOLEDO Technical Training in servicing the METTLER TOLEDO product.

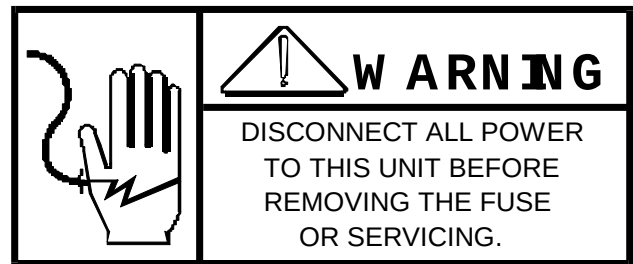
Information regarding METTLER TOLEDO Technical Training may be obtained by writing to:

METTLER TOLEDO
Training Center
P.O. Box 1705
Columbus, Ohio 43216
(614) 438-4400

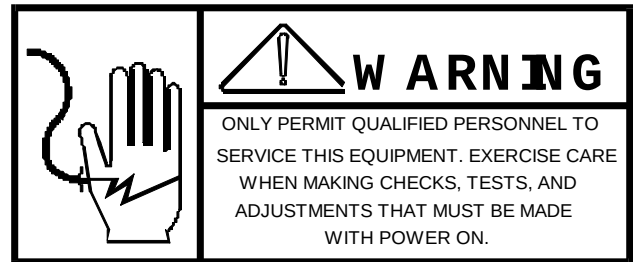
METTLER TOLEDO RESERVES THE RIGHT TO MAKE
REFINEMENTS OR CHANGES WITHOUT NOTICE.

PRECAUTIONS

- **READ** this manual before operating or servicing this equipment.
- **ALWAYS REMOVE POWER** and wait at least 30 seconds **BEFORE** connecting or disconnecting any internal harnesses. Failure to observe these precautions may result in damage to, or destruction of the equipment.



- **ALWAYS** take proper precautions when handling static sensitive devices.



- **SAVE** this manual for future reference.
- **DO NOT** allow untrained personnel to operate, clean, inspect, maintain, service, or tamper with this equipment.
- **ALWAYS DISCONNECT** this equipment from the power source before servicing.
- **CALL** METTLER TOLEDO for parts, information, and service.

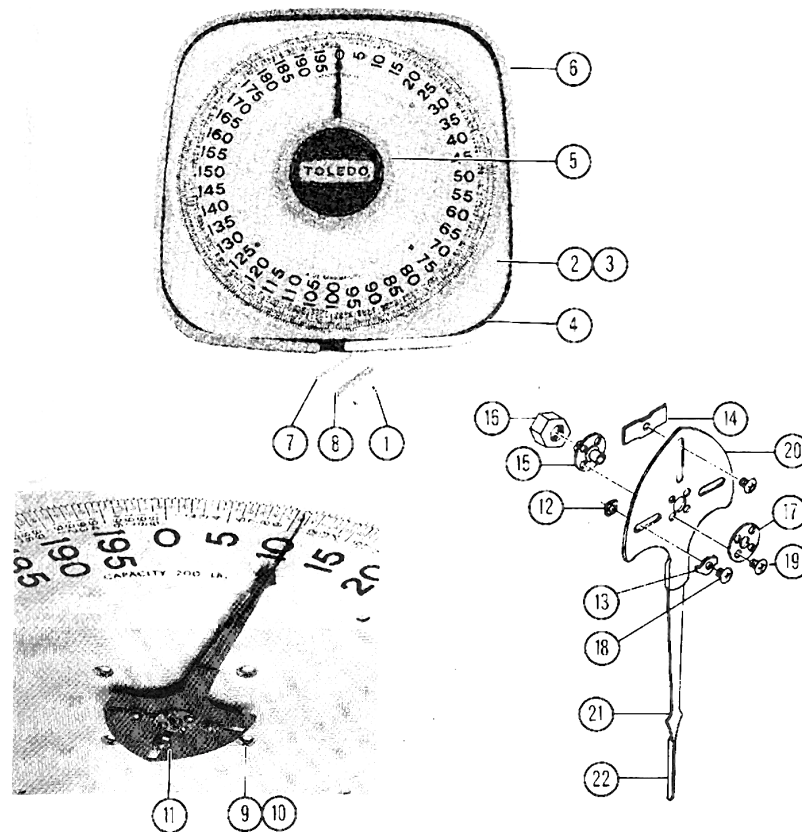


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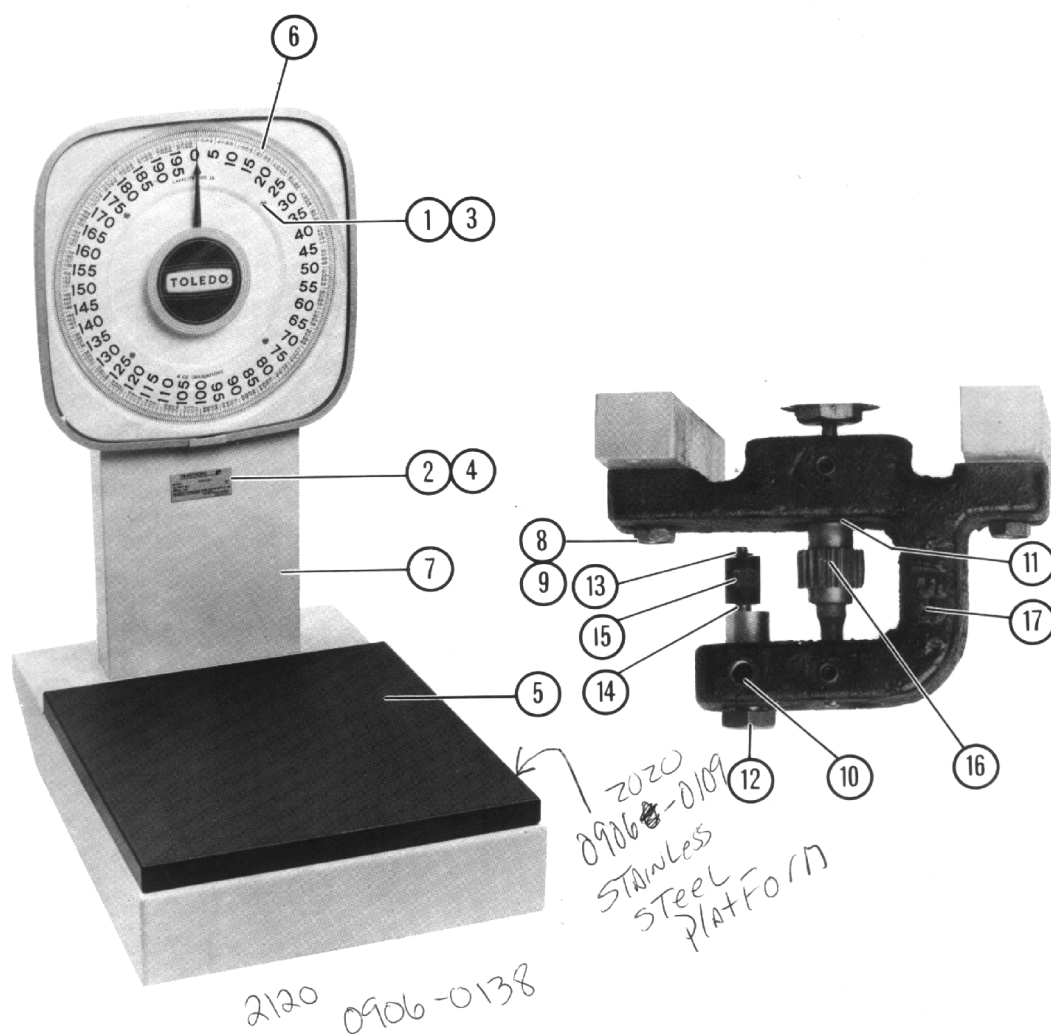
6. PARTS CATALOG

6.1 RIM, DIAL - GLASS & DECAL ASSEMBLY INDICATOR



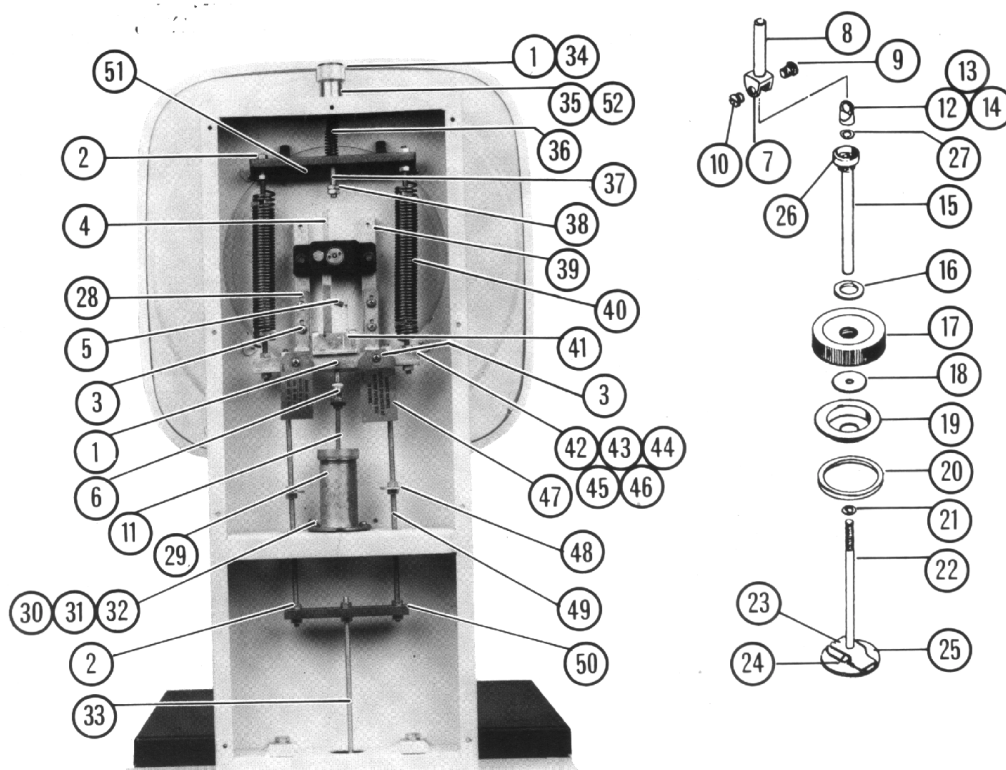
REF	PART NO.	DESCRIPTION	QTY.	REF	PART NO.	DESCRIPTION	QTY.
1	R00868050	Screw # 5-40	2	12	000045020	Nut	2
2	11656400A	Glass & Decal Assembly	1	13	003110050	Weight, Co-Balance	3
3	047550020	Glass- Dial	1	14	024757050	Indicator Weight	1
4	047551020	Gasket, Dial Glass	1	15	034547050	Collet	1
5	11638400A	Transfer	1	16	034548050	Collet Nut	1
6	12825200A	Rim, Dial	1	17	034549050	Collet Retaining Plate	1
7	048434050	Strap Connecting	1	18	R00848130	Screw # 8-32	3
8	1285500A	Formed Angle	1	19	R00855130	Screw # 5-40	4
9	R01188210	Lockwasher	4	20	018786020	Indicator Counter Balance	1
10	12831100A	Screw # 10-32 x 3/8	4		047583020	Indicator	1
11	12825300A	Indicator Assembly	1		072067020	Indicator Knife Edge	1

6.2 DIAL - CABINET- PLATFORM SHAFT & PINION



REF	PART NO.	DESCRIPTION	QTY.	REF	PART NO.	DESCRIPTION	QTY.
1	298	Screw 8-23 x 5/16	4	7	12826400A	Cabinet assembly (short)	1
2	7493133	Rivet	2	8	R01188210	Lockwasher	2
3	008242020	Celluloid Washer	4	9	R0174107A	Screw # 10-32 x 5/8	2
4	12826700A	Data Label	1	10	R01154210	Cup Point Screw # 10-32	1
5	12827400A	Platform	1	11	12824400A	Ball Bearing Assembly	2
6*	A04758500C	50 lb- Dial (RAM 0001)	1	12	048131020	Rack Guide Assembly	1
	A04758700C	100 lb- Dial (RAM 0002)	1	13	R01277020	Retaining Ring	1
	07344900C	200 lb- Dial (RAM 0003)	1	14	02884000A	Rack Guide Sterm	1
	A04758600C	20 kg- Dial (RAM 5001)	1	15	048130020	Guide Rack	1
	A04758800C	50 kg- Dial (RAM 5002)	1	16	047593020	Shaft & Pinion	1
	07440800C	100 kg- Dial (RAM 5003)	1	17	047534270	Bracket-Bearing	1

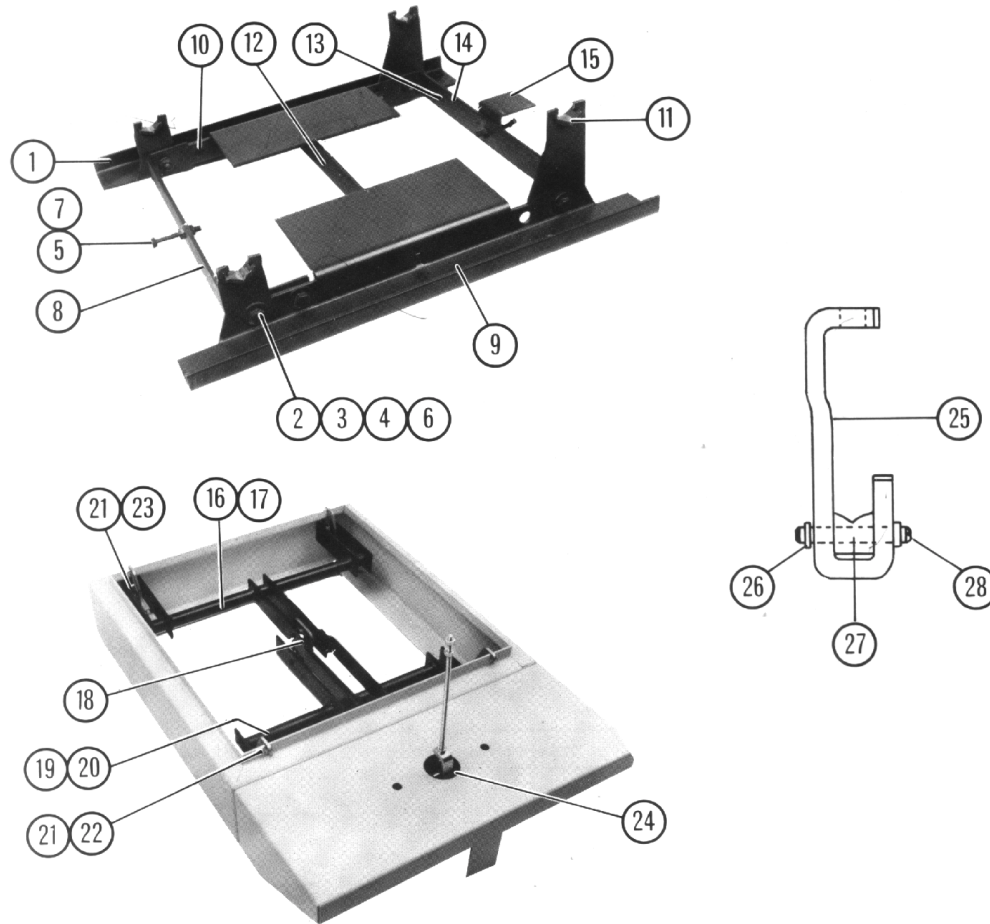
6.3.A RACK - DASHPOT AND PLUNGER WEIGH COILS (DIAGRAM)



6.3.B RACK - DASHPOT AND PLUNGER WEIGH COILS (PARTS LISTING)

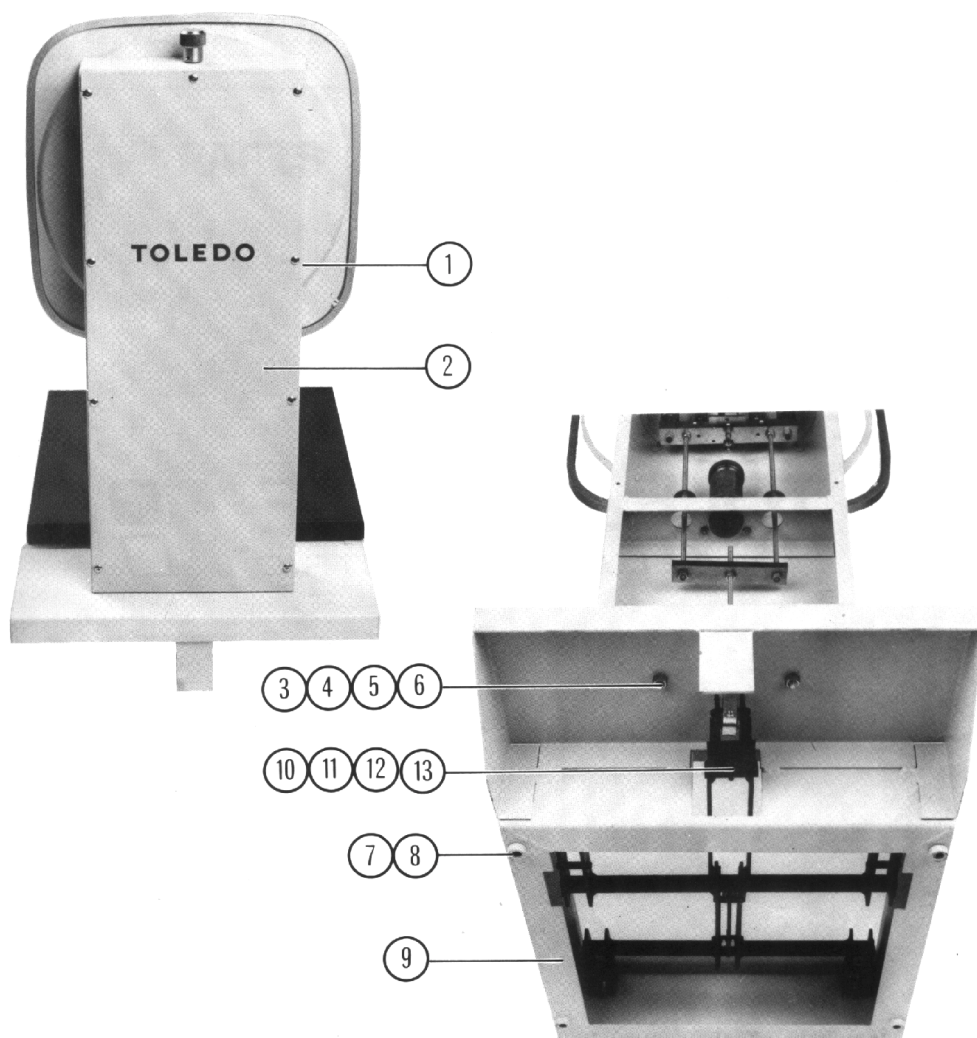
REF	PART NO.	DESCRIPTION	QTY.	REF	PART NO.	DESCRIPTION	QTY.
1	R01154210	Cup[Point Screw #10-32	5	30	000956130	Hex Nut	2
2	R0097507A	Hex Nut # 1/4-28	24	31	00661407A	Washer Plain	2
3	5118907A	Screw # 10-32 x 3/8	6	32	R0110507A	Screw #10-32 x 5/8	2
4	047545020	Rack	1	33	04082507A	Threaded Rod	1
5	032118020	Rack Tension	1	34	A07297300A	Knob	1
6	12824900A	Dashpot Arm Assembly	1	35	040444130	Washer	1
7	010293020	Clevis-Dashpot Arm	1	36	073022020	Coil	1
8	12825000A	Arm- Dashpot	1	37	A07297200A	Threaded Rod #5/16-18	1
9	01944107A	Screw (long)	1	38	00187400A	Hex Nut #5/16-18	2
10	01029107A	Screw (short)	1	39	07297107A	Bar,flat	2
11	12824600A	Dashpot Plunger- Assembly	1	40*	12828400A	Coil Assembly 50 lb - Dial (RAM 0001)	2
12	021791020	Dashpot Connection Assembly	1		12828600A	Coil Assembly 100 lb - Dial (RAM 0002)	2
13	010279020	Dashpot Connetion Ball	1		12828800A	Coil Assembly 200 lb - Dial (RAM 0003)	2
14	021790020	Dashpot Connection	1		12828500A	Coil Assembly 20 kg - Dial (RAM 5001)	2
15	12824500A	Plunger Rod Sleeve	1		12828700A	Coil Assembly 50 kg- Dial (RAM 5002)	2
16	029647020	Gasket	1		12828900A	Coil Assembly 100 lb - Dial (RAM 5003)	2
17	02093107B	Dashpot Cap	1	41	00358207A	Pin, Cutter	1
18	037441020	Washer, Oil Restricting	1	42	12825600A	Rack Support Assembly	1
19	030422020	Baffle Plate	1	43	R01281210	Screw, Cap	1
20	029649020	Gasket	1	44	R01315020	Pin	1
21	028895020	Washer	1	45	12824700A	Rack Support Bracket	1
22	021945020	Plunger Rod	1	46	0475600A	Tie Bar	1
23	017711020	Thermostatic Dashpot Valve	1	47	071340020	Tag ,Shipping	2
24	017710020	Dashpot Valve	1	48	04013407A	Washer	2
25	017709020	Dashpot Plunger Disk	1	49	04754700A	Rod	2
26	12824200A	Nut, plunger Regulating	1	50	04755607A	Tie Bar	1
27	029646020	Gasket	1	51	047533270	Tie Bar	1
28	04812507A	Formed Angle	2	52	8000390	Ring-Crescent Retaining	1
29	02566607B	Dashpot Body	1				

6.4 SPIDER ASSEMBLY - MAIN LEVERS - LEVER SUSPENSION



REF	PART NO.	DESCRIPTION	QTY.	REF	PART NO.	DESCRIPTION	QTY.
1	12827600A	Spider Assembly	1	15	A08027700A	Clip Angle	1
2	R00440210	Lockwasher	6	16	12827800A	Lever Assembly(long)	1
3	R00799050	Hex HD Bolt #3/8-16x1	6	17	08026100A	Pivot, load, Fulcrum & Center Connection	5
4	R0153907A	Hex Nut #3/9-16	6	18	12770000A	Loop Assembly, Center	1
5	R0043307A	Hex Nut #5/16-18	4	19	11637900A	Lever Assembly (Short)	1
6	04012100A	Washer	6	20	08026100A	Pivot	5
7	0298107A	Hex Hd Cap,Screw #5/16-18	2	21	08028500A	Support, Fulcrum Hook	4
8	A08027500A	Brace, Bent	1	22	12769800A	Hook Assembly (long)	2
9	12827300A	Spider-Left Hand	1	23	12769900A	Hook Assembly(short)	2
10	12827200A	Spider-Right Hand	1	24	030369050	Pivot Hook Assembly	1
11	12765100A	Loop Bearing	4	25	00888200A	Nose Iron Pivot Hook	1
12	08027600A	Brace, Straight	1	26	00358207A	Pin, Cutter	2
13	B08029200A	Bent Brace Assembly	1	27	01466207A	Bearing	1
14	A08027500A	Brance, Bent	1	28	00309407A	Push Rod Pin	1

6.5 COVER, BACK BASE ASSEMBLY



REF	PART NO.	DESCRIPTION	QTY.	REF	PART NO.	DESCRIPTION	QTY.
1	12831100A	Screw # 10-32 x 3/8	9	8	R00921050	Hex Hd Bolt # 1/2-13 x 2 1/2"	4
2	12826500A	Cover, Black	1	9	12830000A	Base Assembly & Support Bracket	1
3	R00424050	Washer, 7/16 Plain	4	10	12769300A	Nose Iron Assembly	1
4	R00440210	Lockwasher # 3/8	2	11	08026100A	Pivot	1
5	R0153907A	Hex Nut #3/8-16	2	12	R0300907A	Hex HD Cap, Screw #1/4-20	1
6	R00758050	Hex HD Bolt # 3/8-16 x 2 1/2	2	13	R0043407A	Hex Nut # 1/4-20	2
7	R00454050	Hex Nut # 1/2-13	4				

TOLEDO SCALE -- RELIANCE ELECTRIC