

6. INDEX OF SPECIFICATIONS

MODEL 280

ISSUED: 6-28-78 E.R. 35871
 PREVIOUS REV. 8-13-79 E.R. 36338
 REVISED: 9-25-79 E.R. 36370

DIGITAL INDICATOR ON COLUMN
 MARKET: US
 POWER: 120 VAC - 50/60 HZ.

DESCRIPTION				BILL OF MATERIAL	FACTORY NUMBER
FOR USE WITH	COLUMN HEIGHT	LOAD CELL CAPACITY			
		lb.	kg.		
BENCH AND PORTABLE SCALE MECHANICAL BASES	TALL	50	22.68	1072400A	0280 0006
		100	45.36	107243 00A	0280 0007
		200	90.72	107244 00A	0390 0009
		FLOOR SCALE MECH, BASES	200	90.72	1087020 00A

SPECIFICATIONS:

DISPLAY - 5 DIGIT L.E.D.
 DECIMAL POINT LOCATIONS -- X.XXXX, XX.XXX, XXX.XX, XXXX, X, XXXXX, XXXX0
 GRADUATIONS - X1, X2 OR X5
 CAPACITY - PROGRAM SWITCHES FOR 1500, 2000, or 3000 INCREMENTS
 TARE - PUSHBUTTON TO FOUR DIGITS
 SPAN STABILITY - FOR 25°C (45°F) CHANGE = .00083 X TOTAL INCREMENTS
 ZERO STABILITY - FOR 5°C (9°F) CHANGE = ONE INCREMENT MAC.
 LOAD CELL - GENERAL PURPOSE I
 MINIMUM INCREMENT - 5 MICROVOLTS
 VERIFICATION - MANUAL DISPLAY
 INDICATIONS - SELECTABLE b or kg)

ACCESSORIES: DIGITAL TARE 0917 0009
 WHEEL LOCK K.O.P. 0917 0010

MODEL 0280

ISSUED: 6-28-78 E.R. 35871

PRE. REV.: 8-13-79 E.R. 36338
 REVISED: 9235-79 E.R. 36370

DIGITAL INDICATOR ON COLUMN
 MARKET: U.S.
 POWER: 120 VAC - 50/60 HZ

DESCRIPTION			BILL OF MATERIAL	FACTORY NUMBER
COLUMN HEIGHT	LOAD CELL CAPACITY			
	lbs.	kg.		
SHORT	15	6.80	107237 00A	0280 0001
	25	11.34	107238 00A	0280 0002
	50	22.68	107239 00A	0280 0003
	100	45.36	107240 00A	0280 0004
	200	90.72	107241 00A	0280 0005

SPECIFICATIONS:

DISPLAY - 5 DIGIT L.E.D.
 DECIMAL POINT LOCATIONS -- X.XXXX, XX.XXX, XXX.XX, XXXX.X, XXXXX, XXXX0
 GRADUATIONS - X1, X2 OR X5
 CAPACITY - PROGRAM SWITCHES FOR 1500, 2000, or 3000 INCREMENTS
 TARE - PUSHBUTTON TO FOUR DIGITS
 SPAN STABILITY - FOR 25°C (45°F) CHANGE = .00083 X TOTAL INCREMENTS
 ZERO STABILITY - FOR 5°C (9°F) CHANGE = ONE INCREMENT MAC.
 LOAD CELL - GENERAL PURPOSE I
 VERIFICATION - MANUAL DISPLAY
 MINIMUM INCREMENT - 5 MICROVOLTS
 INDICATIONS - SELECTABLE (1b or kg)

ACCESSORY: DIGITAL TARE 0917 0009

7. PARTS CATALOG

7.1 IMPROVEMENTS

MODEL 280

SUBJECT: CHANGES -- IMPROVEMENTS

The printed circuit board used on the 280, (2086, 2186, etc.), part number 107150 00A, now has new pushbutton switches on it. The switches were changed because the old ones could be damaged by the operator pressing too hard on the actuator. The new switch and cap protects the switch because any excess pressure is directed to the switch, housing instead of the switch contacts.

When PCB 107150 00A is cycled through service repair, the new switches will be soldered on the board and a bag of caps will be supplied with the repaired PCB.

The new cap must be used with the new type switch because it has a small button.

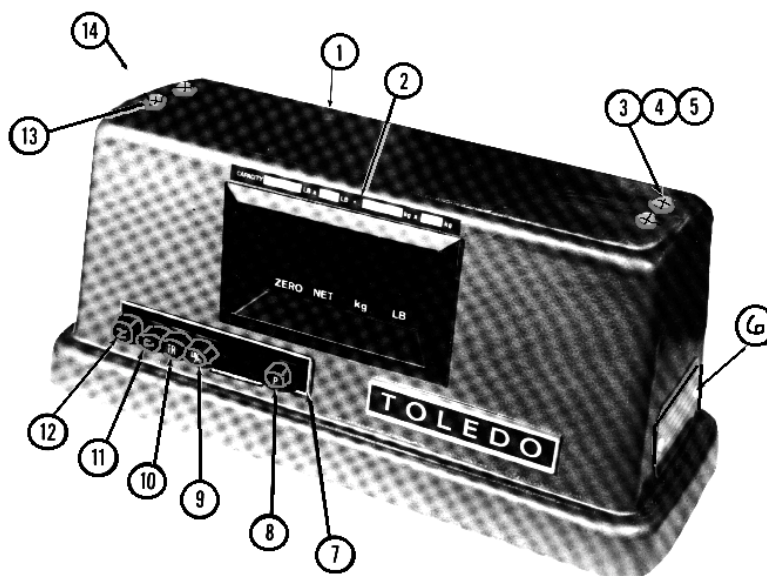
The new cap prevents damaging the switch by the use of excess force.

The old switch can be damaged by too much pressure.

Excess pressure will cause the switch to stay closed when the pressure is released.

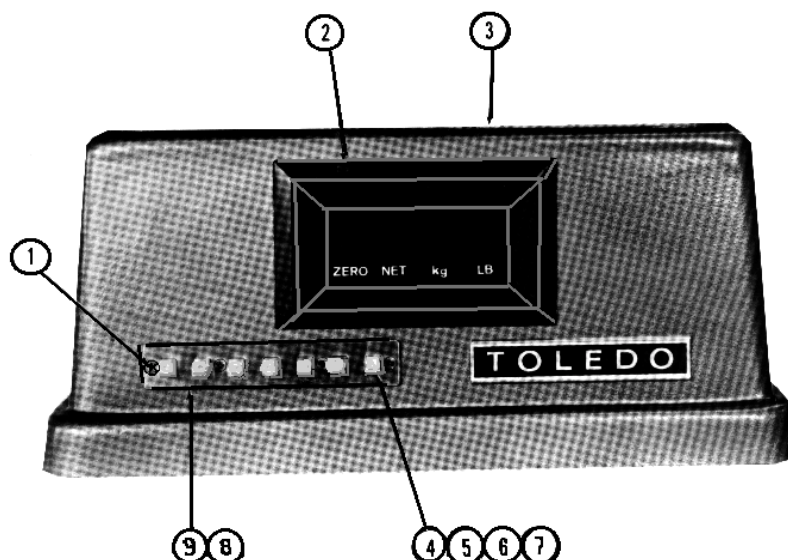
7/7/80 - G-10-80

7.2 COVER KEYTOPS



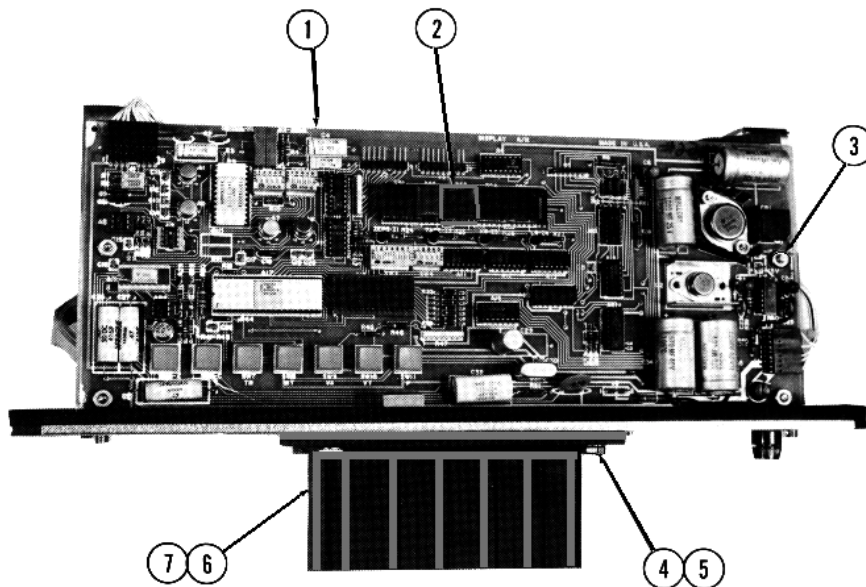
REF	PART NUMBER	DESCRIPTION	QTY
1	A10912600A	Cover Ass'y.	1
2	10519200A	Label, capacity	1
3	R0247100A	Screw, 8-32 x 7/8	2
4	10790900A	Washer, Gasket	4
5	000786050	Washer, #8	2
6	R0245900A	Rivet, Blind 5/32 (Nylon)	2
7	10784200A	Plate, Switch Cover	1
8	10386600A	Key Top, "P"	1
9	10718400A	Key Top, "LB/Kg"	1
10	10718300A	Key Top, "TR"	1
11	A09960900A	Key Top, "C"	1
12	10386300A	Key Top, "Z"	1
13	10836500A	Screw, 8-32 x 5/8 Seal	2
14	10284300A	Seal, wire and lead	1

7.3 Cover - Switch



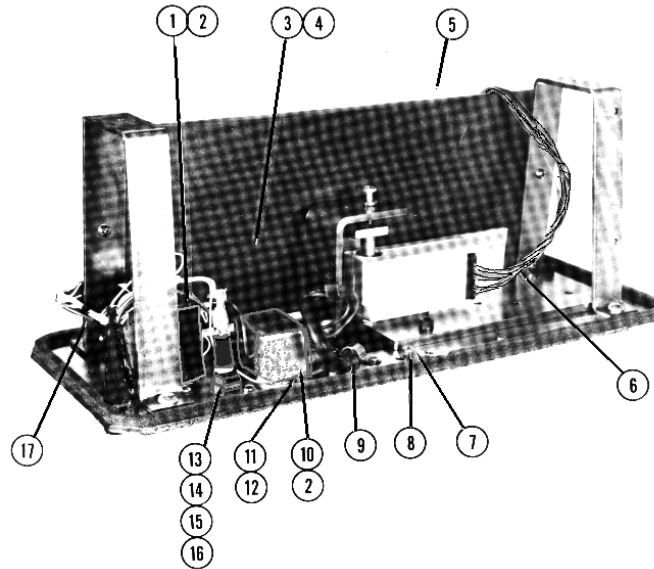
REF	PART NUMBER	DESCRIPTION	QTY
1	R0246000A	Screw, 6 x 5/8 (Self tap)	4
2	10717500A	Bezel & Lens Ass'y.	1
3	C10912100C	Cover	1
4	A1071200A	Plunger, Switch	5
5	10713300A	Spring Compression	5
6	10711900A	Plunger, Block	1
7	11065600A	Molded Tip	5
8	10715900A	Gasket, Switch Plate	1
9	10713400A	Plate, Switch	1
N.S.	10790400A	Decal, Rear Cover (except 2196)	1
N.S.	10847900A	Decal, Program Switch	1

7.4 Display PCB



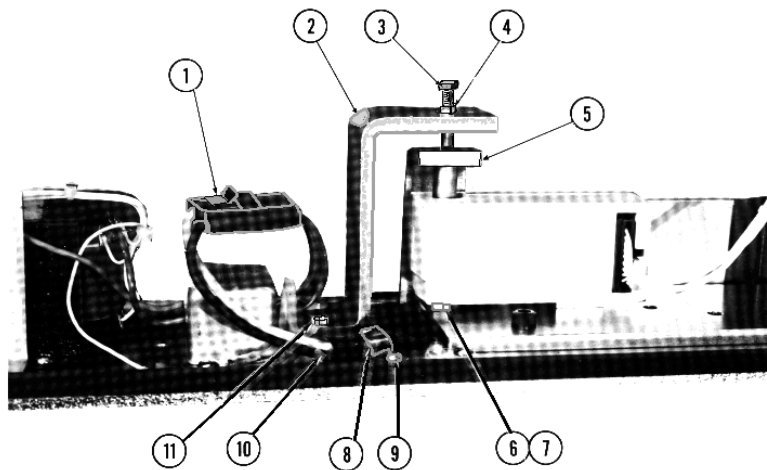
REF	PART NUMBER	DESCRIPTION	QTY
1	B1071500A	PCB Ass'y. -Display	1
2	117670	LED. 7 Segment	5
3	R01611050	Nut, 8-32	4
4	R00966050	Screw, 1/4 - 20 x 5/8	4
5	R00441005	Lockwasher, 1/4, I.T.	4
6	A10713600A	Column Weldment, Short	1
7	A10713600B	Column Weldment, Tall	1
N.S.	10715300A	Harness, Printer 12'	1
N.S. - Not Shown			

7.5 Transformer - Fuse



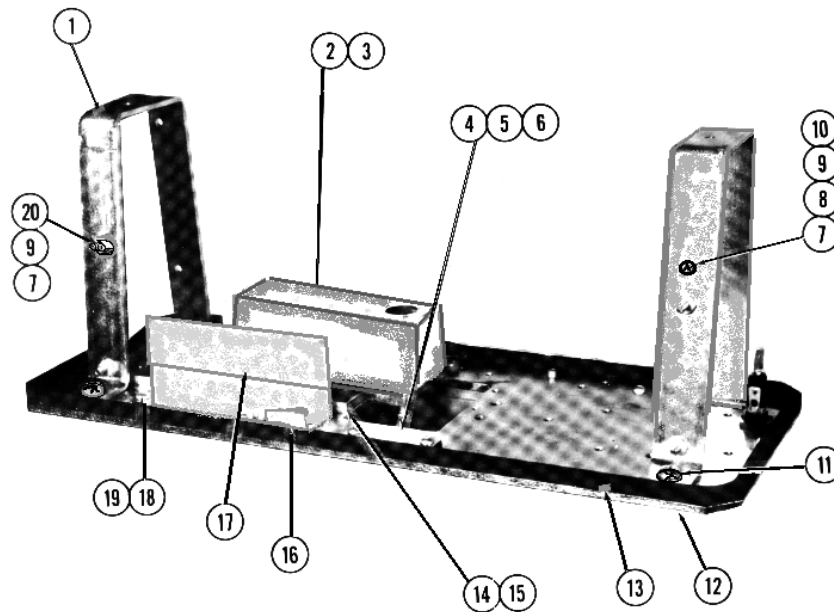
REF	PART NUMBER	DESCRIPTION	QTY
1	10715100A	Transformer Ass'y., 120V	1
2	R00848050	Screw 8-32 x 5/16	4
3	10949900A	Enclosure, Transformer (UL)	1
4	R00853050	Screw 8-32 x 3/16	4
5	10715800A	Insulator, PCB	1
6	10715200A	Harness, Load Cell	1
7	P00371020	Clamp, Cable - 1/8 I.D.	1
8	R00843130	Screw 8-32 x 1/4	1
9	P00161020	Grommot - 3/8 I.D.	1
10	10836200A	Filter Ass'y., Line	1
11	R00844130	Screw 8-32 x 3/8	1
12	R00589130	Lockwasher -#8	1
13	P00604020	Fuseholder	1
14	11707800A	Fuse, .3A Slo - Blo 250 V	1
15	R01671020		
16	1049700A	Lockwasher - 1/2	1
17	P00159020	Label, Fuse	1
		Grommot - 2/16 I.D.	1

7.6 Steelyard



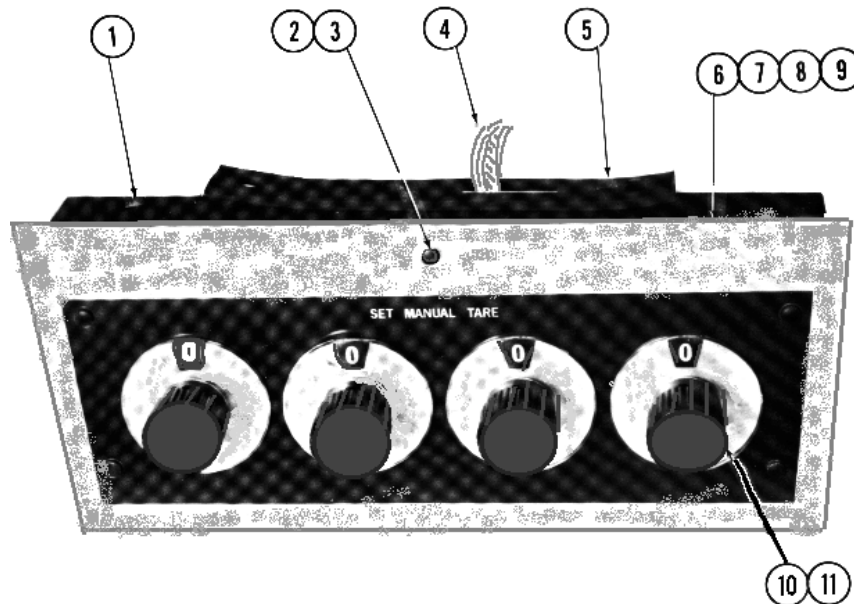
REF	PART NUMBER	DESCRIPTION	QTY
1	P00596020	Plug Housing, 3-Pin (Red)	1
2	A10717800A	Bracket, Rebound	1
3	R0240300A	Screw - 10-32 x 7/8	1
4	000956130	Nut - 10-32	1
5	A10721900A	Steelyard Ass'y. -Short (33.42")	1
	A10846600A	Steelyard Ass'y. -288l (51.70")	1
	A10846700A	Steelyard Ass'y. - Long (52.54")	1
	10869900S	Steelyard Ass'y. -2196 (53.75")	1
6	R00591050	Nut - 1/4 -28	1
7	10687400A	Overload Stop	1
8	09874600A	Clamp, Cable	1
9	R01817050	Screw 8-32 x 1/4	2
10	10716400A	Line Cord Ass'y. (120V)	1
11	R00773050	Screw - 1/4 20 x 1/2	2

7.7 Load Cell



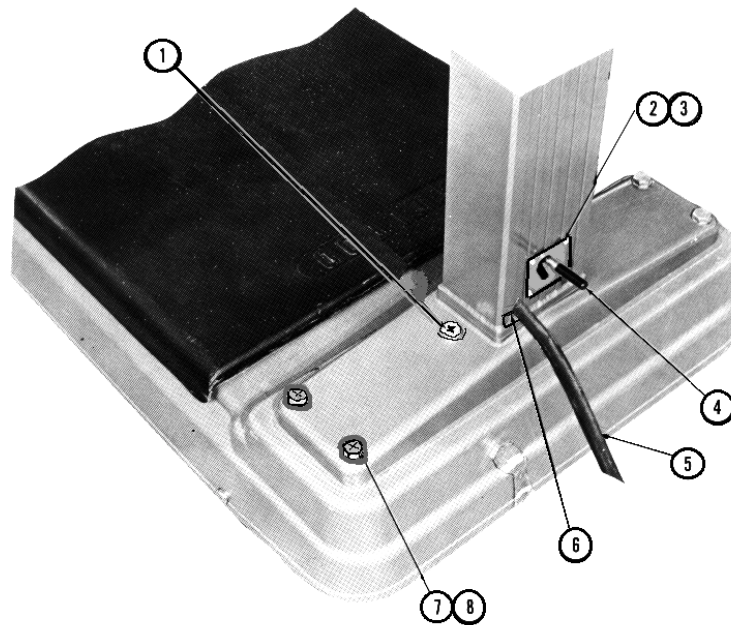
REF	PART NUMBER	DESCRIPTION	QTY
1	A10713000A	Bracket, PCB Support	2
2	10792100A	Load Cell Ass'y. - 15 # GPI	1
	10792000A	Load Cell Ass'y -25 # GPI	1
	A10544300A	Load Cell Ass'y. 50 # GPI	1
	10792300A	Load Cell Ass'y. -100# GPI	1
	10792400A	Load Cell Ass'y. -200 # GPI	1
3	R0227900A	Screw - 10-32 x 1/2	2
	R0238600A	Screw -10-32 x 3/4	2
4	10721600A	Cover, Tare Inlet	1
5	10721700A	Gasket, Cover	1
6	R00843130	Screw -8- 32 x 1\$	2
7	R00589130	:Lockwasher - #8	5
8	R00845130	Screw -8-32 x 5/8	1
9	R0611050	Nut-8-32	6
10	P00228020	Clamp, Cable 3/17 I.D.	1
11	R01700130	Screw - 1/4 -20 x 1/2	4
12	B10711800A	Plate, Base	1
13	A10790600A	Gasket, Base Plate	1
14	10713200A	Mtg. Plate Load Cell	1
15	R01646210	Screw - 1/4 -20 x 1/2	4
16	10790100A	Angle, Cover Guide	2
17	10715700A	PCB Retainer Ass'y.	1
18	R00844130	Screw 8-32 x 3/8	2
19	000786050	Washer, Flat # 8	2
20	R00849130	Screw 8-32 x 1/2	4

7.8 FRONT PANEL

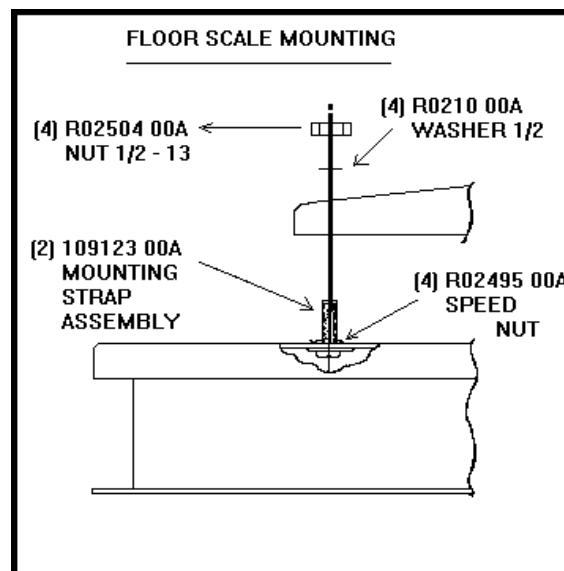


REF	PART NUMBER	DESCRIPTION	QTY
1	A10720800A	Enclosure	1
2	R00832210	Screw-6-32 x .41 Gulmite	5
3	09843000A	Washer - #6 Nylon	5
4	10715400A	harness, tare	1
5	10790700A	Gasket, Encol. / Base Pit.	1
6	10790800A	Gasket, Panel	1
7	10720900A	Panel, Front	1
8	A10721000A	Panel, Sub	1
9	A10722400A	PCB Ass'y., Digital Tare	1
10	10508100A	Knob & Skirt	4
11	R01634020	Screw - 6-32 x 1/2	8
	A10721100A	Entire Assembly	

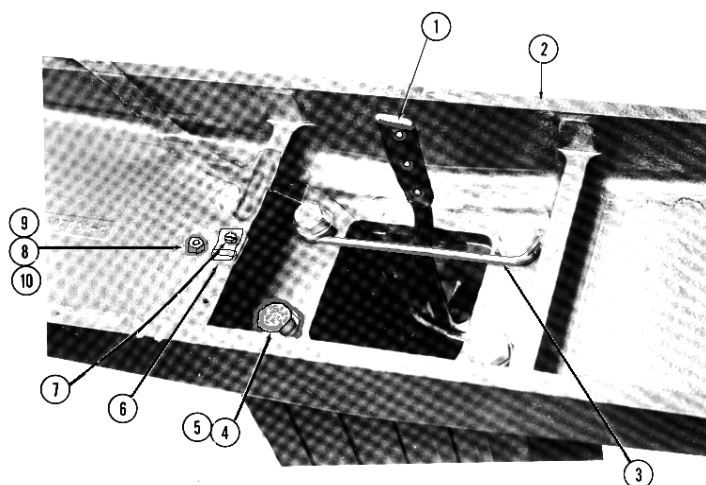
7.9 LINE CORD - LEVEL



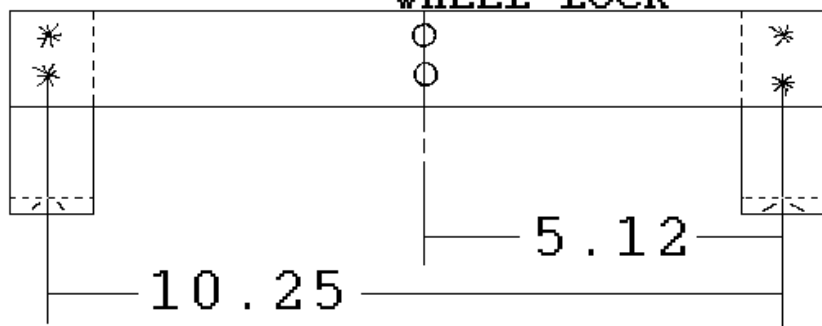
REF	PART NUMBER	DESCRIPTION	QTY.
1	048388020	Level	1
2	10913900A	Plate, Cover (w/o Wheels)	1
	10725500A	Plate Guide, (w/ Wheels)	1
3	R0224400A	Screw, 6-32 x 1/4 Self-tap	4
4	10782900A	Cap, Lift Handle	1
5	10716400A	Line Cord Assembly	1
6	040838020	Smop Bushing	1
7	R0066000A	Screw - 1/2 - 13 x 2	4
8	040702110	Washer - 1/2	4



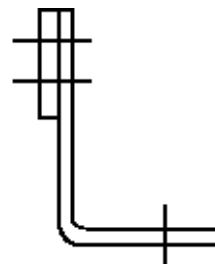
7.10 WHEEL LOCK



107824 00A SHORT ARM WHEEL LOCK



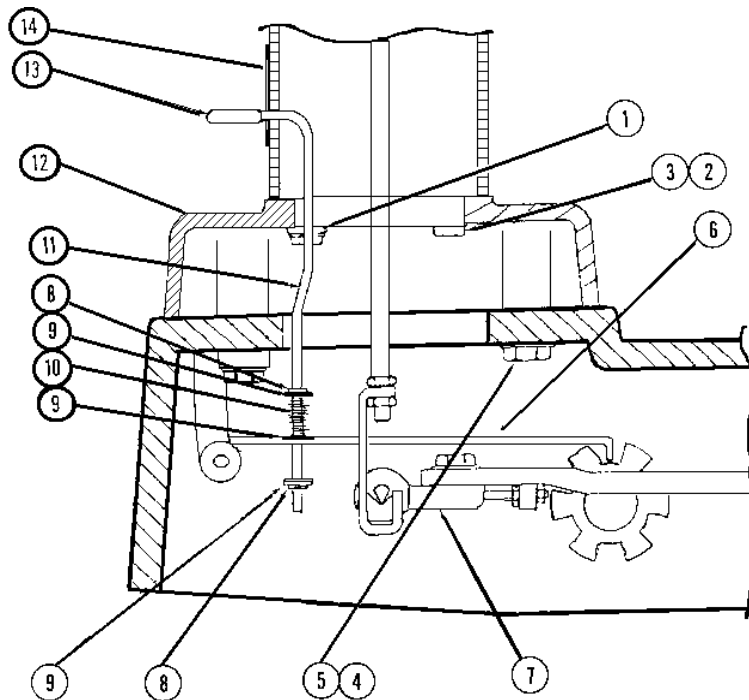
Replaces Arm & Bar Wheel Lock Assembly on 2181, 2881 ocnversions.



REF	PART NUMBER	DESCRIPTION	QTY
1	10781900A	Wheel Lock, Lift Handle	1
2	A10711700A	Support Base	1
3	10725700A	Guide Bar	1
4	R0079900A	Screw - 3/8 - 17 x 1	4
5	R0044000A	Lockwasher - 3/8	4
6	P00371020	Clamp, Cable 1/8 I.D.	1
7	R0224400A	Screw - 6 - 32 x 1/4 Self tap	1
8	R00813050	Nut - 6-32 ex.	1
9	R01675050	Screw - 6-32 x 3/4	1
10	R01771050	Lockwasher, #6	1

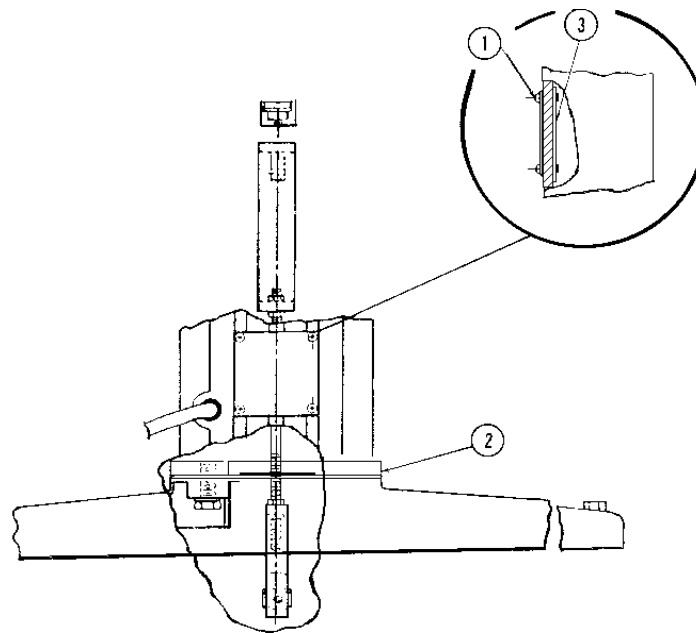
7.11 BRAKE

(Black Line)



REF	PART NUMBER	DESCRIPTION	QTY
1	10725700A	Guide Bar	1
2	R0044000A	Lockwasher -3/8	4
3	R0079900A	Screw -3/8 -16 x 1	4
4	00058800A	Lockwasher 1/2	4
5	R0065900A	Screw - 1/2 -13 x 1 1/2	4
6	10913600A	Lever Ass'y	1
7	026451270	Nose Iron Ass'y	1
8	028962050	Washer - X	2
9	R0125400A	Washer - Flat	4
10	030664020	Spring	1
11	10914400A	Handle	1
12	10913800A	Foot column	1
13	10782900A	Cap	1
14	10913700A	Guide Plate	1

7.12 COLUMN SEALING KOP



REF	PART NUMBER	DESCRIPTION	QTY
	11066300A	Column Sealing KOP	
		CONSISTS OF	
1	R10243400A	Screw, 6-32 x 5/8	4
2	11066700A	Column Seal Assembly	1
3	11067200A	Plate Assembly	1
N.S.	11110400A	Shipping Envelop	1
N.S.	110666	Installation Diagram	
11		N.S. Not Shown	