

Parts Manual



SAWING PRODUCTS

C-305A

Serial No: 607-13101 to

Band Sawing Machine

MACHINE SPECIFICATIONS

MODEL SERIAL NO.

VOLTAGE CYCLE PHASE

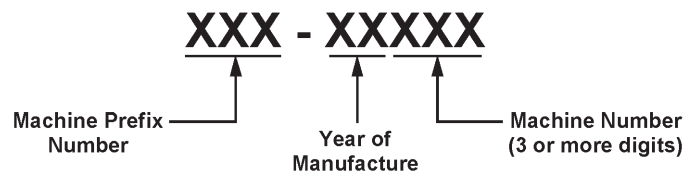
For your information and future reference, insert pertinent data concerning your machine in the spaces provided above. This information is printed on a label attached to the machine frame.

Always specify model and serial numbers on all parts orders and correspondence concerning your machine. This will help avoid unnecessary delays and inconvenience during processing.

The specifications contained herein were in effect at the time this manual was approved for printing. The DoALL Company, whose policy is one of continuous product improvement, reserves the right to change specifications or design at any time without notice and without incurring obligations.

How to read your serial number:

Example: 500-001234



For Sales, Parts and Service, call 1-888-362-5572
For general information, visit our web site at: www.doallsawing.com



DoALL SAWING PRODUCTS
2375B TOUHY AVENUE
ELK GROVE, ILLINOIS 60007 U.S.A.

YOUR SERVICE REPRESENTATIVE:

PARTS MANUAL INDEX

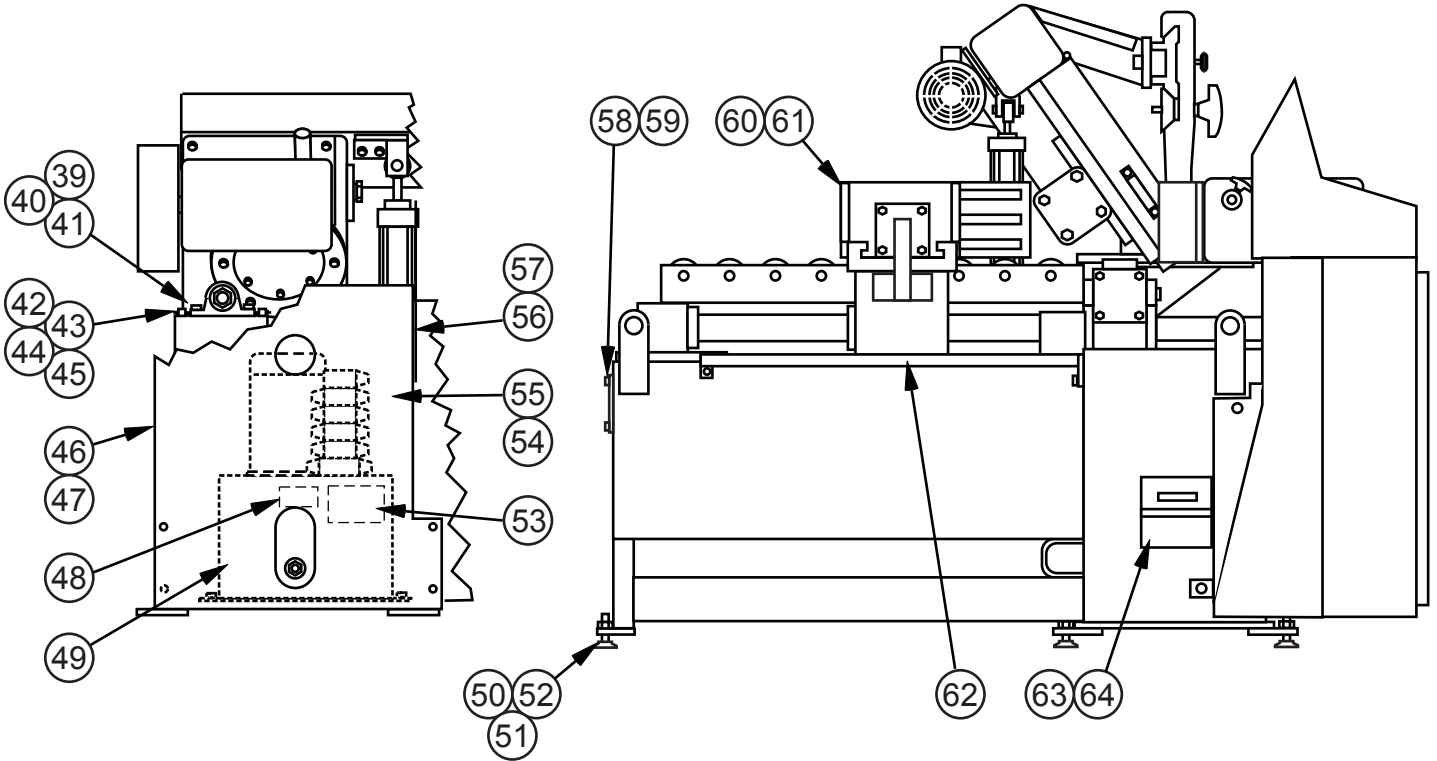
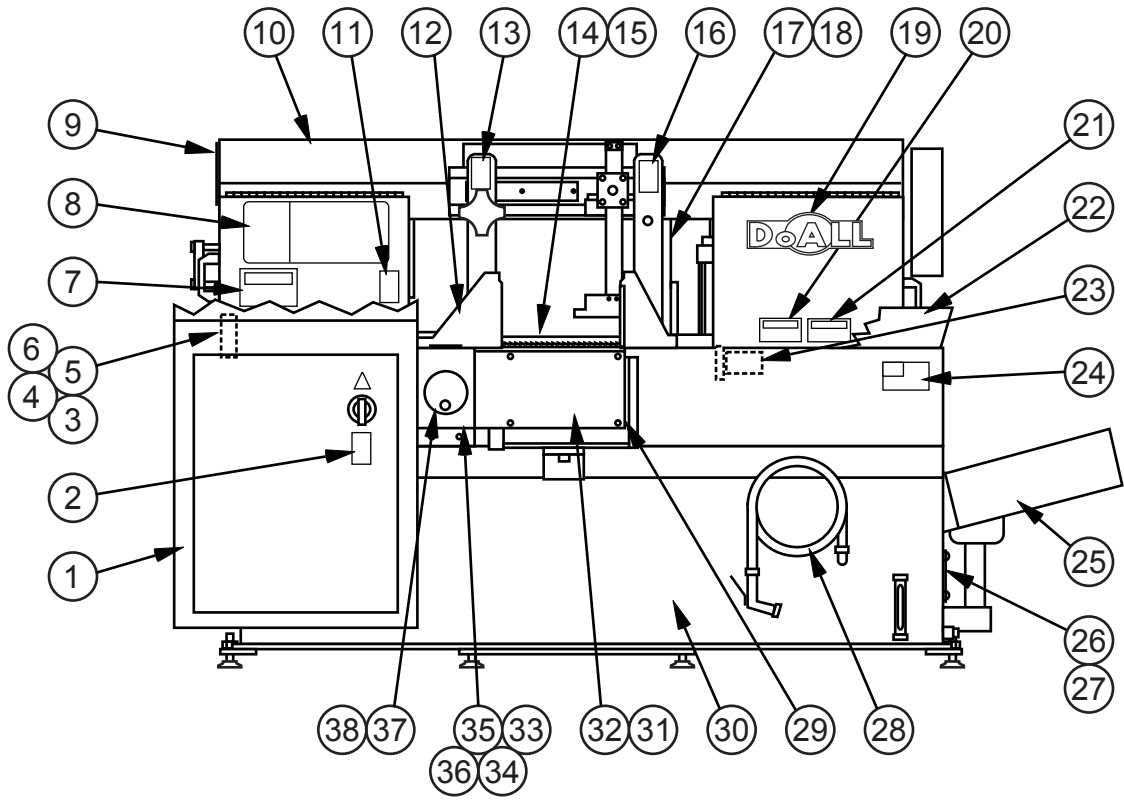
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Fiche No. E-145 Model C-305A Serial No. 607-13101 to _____

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*Denotes Attachment or Optional Equipment.

NEW DRG.
S.C.L. 7-15-13
REVISIONS
S.C.L. 6-1-14



MODEL FIRST MACH. LAST MACH.
C-305A 607-13101

FINAL ASSEMBLY

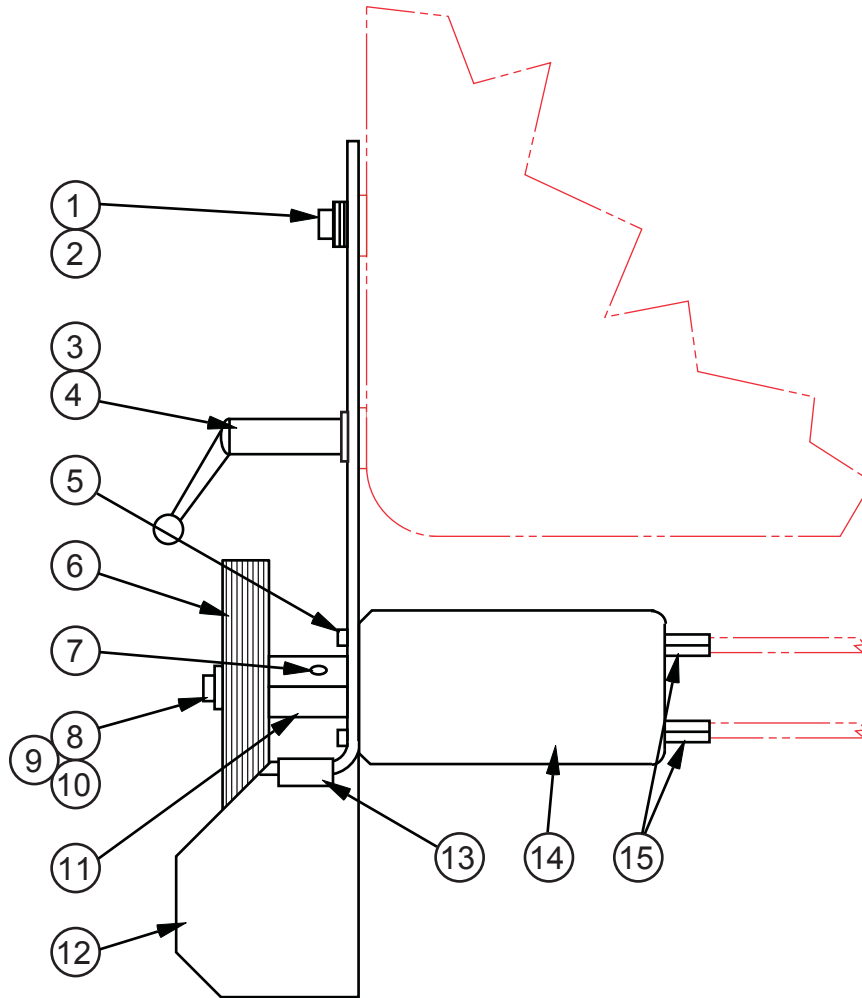
FINAL ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.		Final Assembly		50	012420	. Foot Casting	6
1	520673	. Electrical Assembly (See Detail)	1	51	198572	. Screw, Soc. Set M12-1.75 x 50	6
2	201464	. Label (Danger - Hi Voltage)	1	52	199933	. Nut, Hex. M12-1.75	6
3	416533	. Shipping Bracket	1	53	306992	. Label (Warning)	1
4	199846	. Screw, Hex. Hd. Cap M10-1.5 x 25	4	54	516937	. Top Cover	1
5	199346	. Washer, Lock M10	4	55	199899	. Screw, Button Hd. Soc. M6-1.0 x 16	8
6	199308	. Washer, Flat M10 Wrought	4	56	515229	. Side Support	1
7	404478	. Escutcheon (Warning)	1	57	199899	. Screw, Button Hd. Soc. M6-1.0 x 16	3
8	416901	. Job Selector	1	58	319355	. Cover	1
9	318245	. End Cap	1	59	199737	. Screw, Hex. Hd. Self-Tapping 1/4-20NC x 3/4	4
10	211950	. Head Assembly (See Detail)	1	60	211955	. Index Vise Assembly (See Detail)	1
11	201467	. Label (Warning - Eye Protection)	1	61	201468	. Label (Warning - Clear Vise)	1
12	211956	. Fixed Vise Assembly (See Detail)	1	62	206389M	. Index Vise Guard Rail Assembly (See Detail)	1
13	201466	. Label (Warning - Vise)	1	63	416970M	. Chip Drawer Assembly	1
14	171532	. Saw Band (Imperial Bi-Metal Super Silencer)	1	319141	319141	. Replacement Screen	1
15	304525	. Saw Band Tag	1	64	203047	. Label (Clean Weekly)	1
16	201465	. Label (Warning - Saw Blade)	1				
17	517638	. Shield	1				
18	199899	. Screw, Button Hd. Soc. M6-1.0 x 16	3				
19	416163	. Decal (DoALL Logo)	1				
20	200179	. Escutcheon (Warning - Rake Chips)	1				
21	201670	. Escutcheon (Warning - Head Position)	1				
22	516112	. Splash Guard Weldment	1				
23	218114M	. Band Brush Assembly (See Detail)	1				
24	201469	. Decal (Flag)	1				
25	516873M	. Chip Conveyor Assembly (See Detail)	1				
26	317164	. Cover	1				
27	199899	. Screw, Button Hd. Soc. M6-1.0 x 16	4				
28	203750	. Coolant Assembly (See Detail)	1				
29	205619	. Edge Trim	A.R.				
30	518335	. Base Weldment	1				
31	205481	. Cover	1				
32	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	4				
33	517739	. Shroud	1				
34	199818	. Screw, Soc. Hd. Cap M10-1.5 x 20	2				
35	199976	. Nut, Hex. Jam M10-1.5	2				
36	199346	. Washer, Lock M10	2				
37	208707	. Index Length Setting Mechanism Assembly (See Detail)	1				
38	219001	. Escutcheon (Attention - No Index Length Adjustment)	1				
39	199986	. Screw, Soc. Hd. Cap M12-1.75 x 55	4				
40	199345	. Washer, Lock M12	4				
41	35-005828	. Hardened Washer	4				
42	202125	. Adjustment Bar	3				
43	199818	. Screw, Soc. Hd. Cap M10-1.5 x 20	6				
44	199944	. Screw, Soc. Set M10-1.5 x 45 (Dog Point)	3				
45	199976	. Nut, Hex. Jam M10-1.5	3				
46	520408	. Side Panel	1				
47	199899	. Screw, Button Hd. Soc. M6-1.0 x 16	4				
48	201180	. Escutcheon (Transmission Fluid Spec's.)	1				
49	417871	. Hydraulic Assembly (See Detail)	1				

Following Not Shown:

406872	. Instruction Tag	1
205477	. Extra Parts	1
042490	. Shovel Rake (If Supplied)	1
198992	. Hex. Key (4 mm)	1
198993	. Hex. Key (5 mm)	1
198994	. Hex. Key (6 mm)	1
198995	. Hex. Key (8 mm)	1
198996	. Hex. Key (10 mm)	1
225577	. Documentation CD	1
206698	. CE Label (Europa Only)	1
224618	. Shipping Pallet	1
416941	. Export Crate	1

NEW DRG. S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L.11-11-09
S.C.L. 7-17-13



MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

BAND BRUSH ASSEMBLY

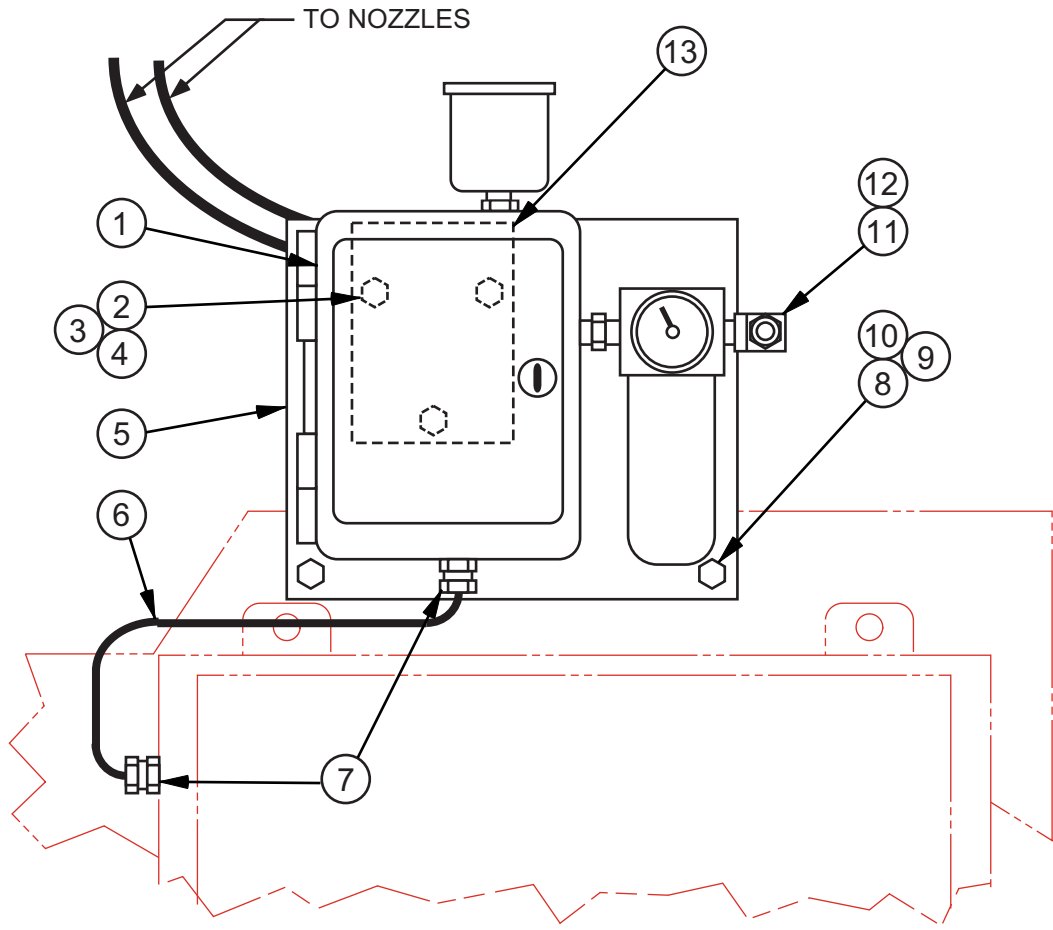
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BAND BRUSH ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	218114M	Band Brush Assembly	
1	199003	. Screw, Soc. Hd. Shoulder M6-1.0 x 12 (8 mm Dia.)	1
2	144351	. Belleville Washer	4
3	206351	. Clamping Handle	1
4	199301	. Washer, Flat 5/16 Wrought	1
5	199771	. Screw, Button Hd. Soc. 1/4-28NF x 1/2	3
6	202182	. Wire Brush	1
7	198606	. Screw, Soc. Set 1/4-20NC x 3/8 (Half Dog Point)	1
8	198097	. Screw, Hex. Hd. Cap 1/4-28NF x 1	1
9	199321	. Washer, Lock 1/4 Std.	1
10	199300	. Washer, Flat 1/4 Wrought	2
11	202193	. Adaptor	1
12	420486	. Arm Weldment	1
13	197410	. Edge Trim (Black) (If Supplied)	A.R.
14	138363	. Hydraulic Motor	1
15	107222	. Adaptor	2

NEW DRG. S.C.L. 1-15-98
REVISIONS
S.C.L. 4-19-05
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 5-19-08



TYPICAL

BAND LUBRICATOR ASSEMBLY

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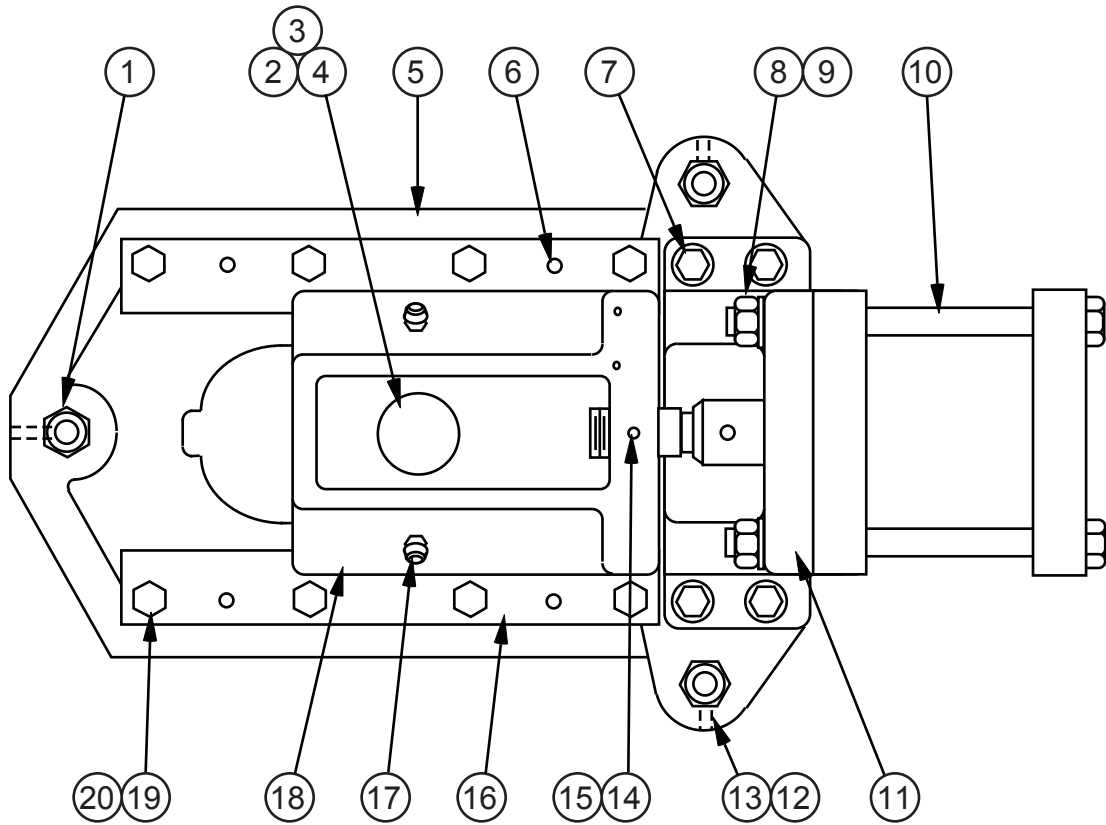
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BAND LUBRICATOR ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	319727	Band Lubricator Assembly (Accu-Lube)	
Ref.	219418	Band Lubricator Assembly (Uni-Mist)	
1*	204206	. Applicator Unit (Accu-Lube)	1
*	203217	. Applicator Unit (Uni-Mist)	1
2	198008	. Screw, Hex. Hd. Cap 1/4-20NC x 3/4	3
3	199114	. Nut, Hex. Jam 1/4-20NC	3
4	199321	. Washer, Lock 1/4 Std.	3
5	321151	. Mounting Plate (Accu-Lube)	1
	319414	. Mounting Plate (Uni-Mist)	1
6	197220	. Electrical Cord (#16-3 Conductor)	A.R.
7	201688	. Cord Grip Connector (.200-.394)	2
8	198008	. Screw, Hex. Hd. Cap 1/4-20NC x 3/4	2
9	199114	. Nut, Hex. Jam 1/4-20NC	2
10	199321	. Washer, Lock 1/4 Std.	2
11	008254	. 90° Street Elbow	1
12	002004	. Barbed Insert	1
13	323566	. Bracket	1
	Not Shown:		
	149963	. Solenoid Valve (Uni-Mist)	1

*Includes Filter, Hoses with Nozzles.

NEW DRG. S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-1-07
S.C.L. 8-15-08
S.C.L.11-11-09
S.C.L. 7-17-13



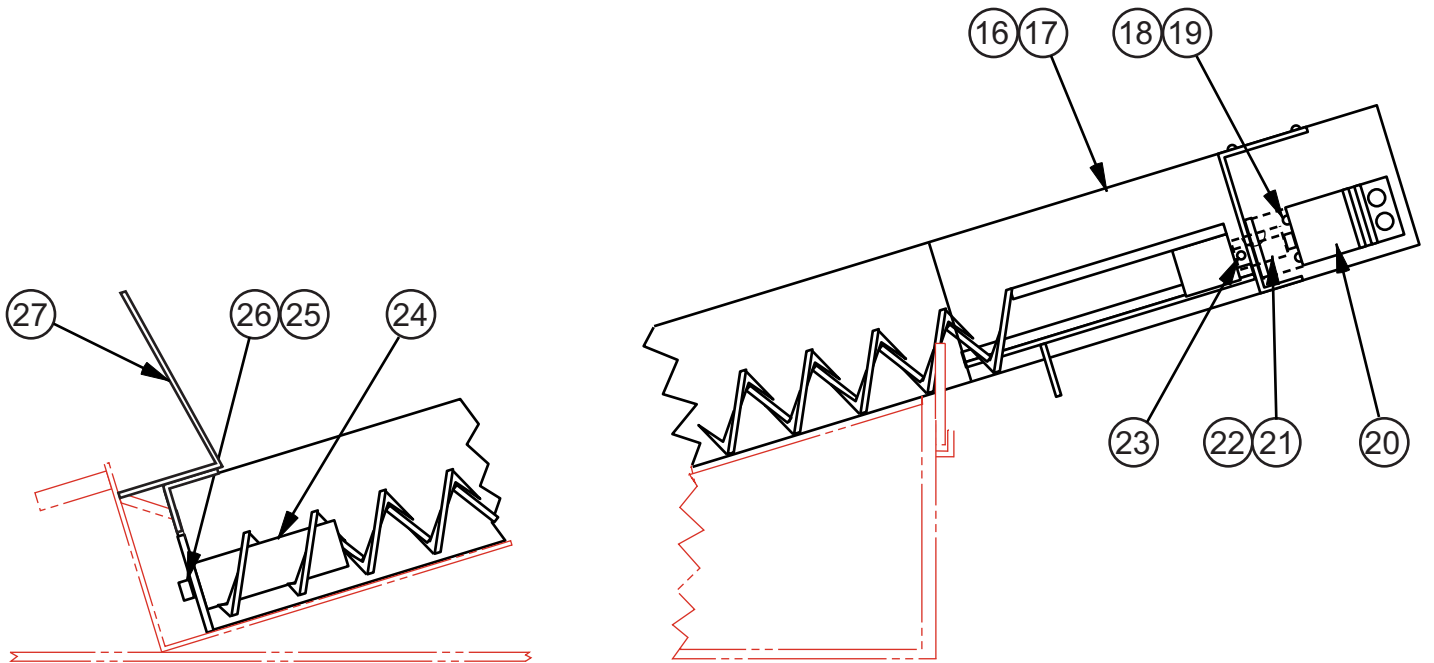
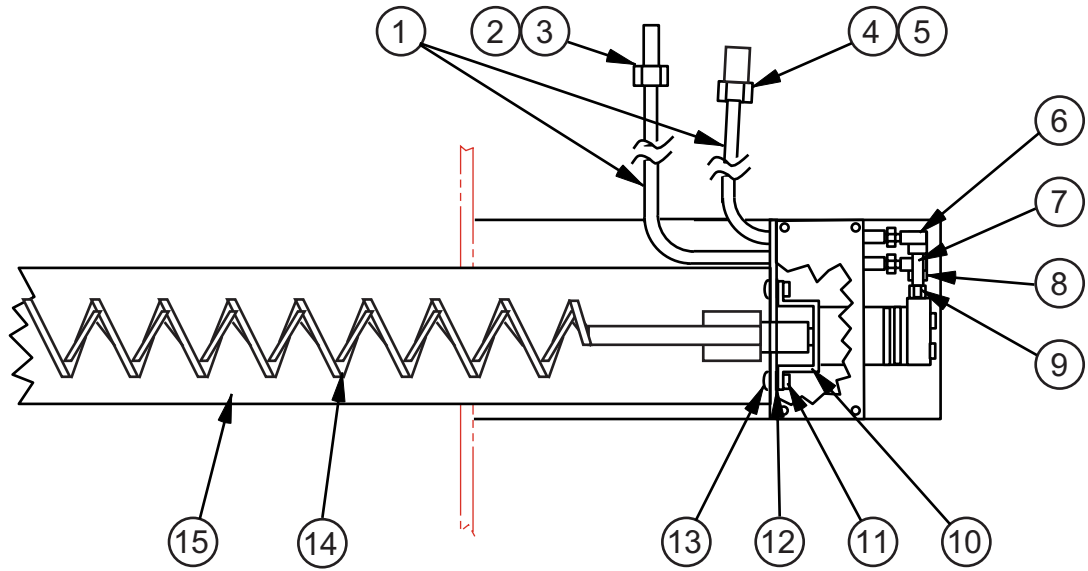
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

BAND TENSION SLIDE ASSEMBLY

BAND TENSION SLIDE ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	517098M	Band Tension Slide Assembly	
1	205829	. Adjusting Screw	3
2	316539	. Shaft	1
3	199045	. Screw, Soc. Set M10-1.5 x 16	2
4	35-007508	. Grease Fitting	1
5	517089	. Base	1
6	199494	. Spring Pin	4
7	199904	. Screw, Soc. Hd. Cap M12-1.75 x 40	4
8	199167	. Nut, Hex. Jam 7/16-20NF	4
9	199339	. Washer, Lock 7/16 Hi-Collar	4
10	415178	. Band Tension Cylinder	1
11	517097	. Cylinder Adaptor	1
12	199609	. Screw, Soc. Set M6-1.0 x 10 (Self-Locking)	3
13	007927	. Plug	3
14	198617	. Screw, Soc. Set M5-0.8 x 6 (Self-Locking)	1
15	103263	. Friction Plug	1
16	320293	. Rail	2
17	010656	. 45° Grease Fitting	2
18	517090	. Carriage	1
19	199577	. Screw, Hex. Hd. Cap M10-1.5 x 30	8
20	199346	. Washer, Lock M10	8

NEW DRG.
S.C.L. 1-15-98
REVISIONS
S.C.L. 10-16-06
S.C.L. 6-18-07
S.C.L. 10-9-07



CHIP CONVEYOR ASSEMBLY

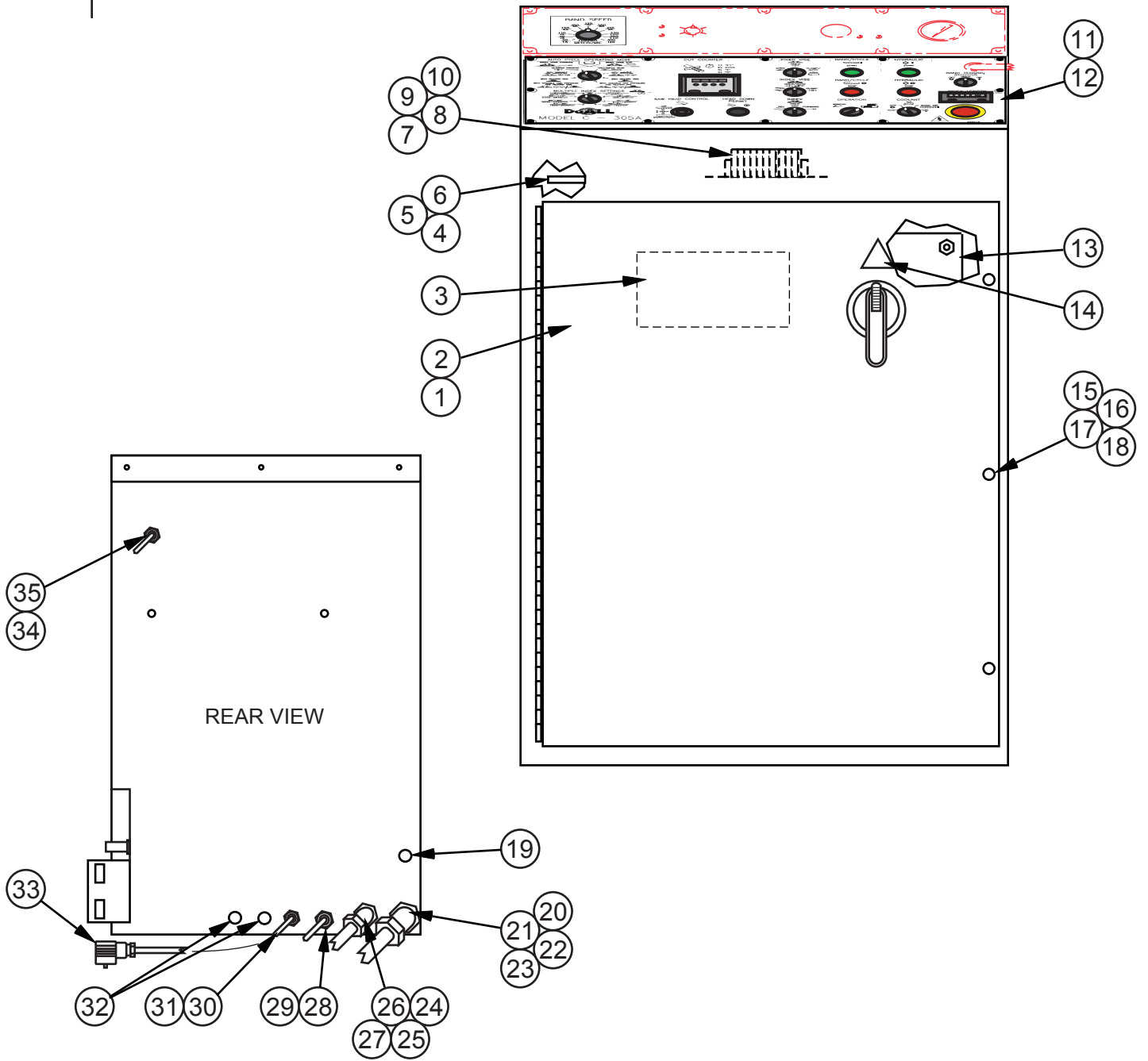
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CHIP CONVEYOR ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	516873M	Chip Conveyor Assembly	
1	020912	. Hydraulic Hose	2
2	121917	. Coupling (Male)	1
3	121932	. Dust Cap	1
4	121918	. Coupling (Female)	1
5	121931	. Dust Cap	1
6	176363	. 90° Reducer Elbow	1
7	35-002343	. Pipe Nipple	1
8	176364	. 90° Reducer Elbow	1
9	107222	. Adaptor	2
10	415204	. Mounting Bracket	1
11	205195	. Self-Locking Nut M8-1.25	2
12	144351	. Belleville Washer	4
13	199903	. Screw, Button Hd. Soc. M8-1.25 x 20	2
14	417608	. Auger Weldment	1
15	516849	. Chip Trough Weldment	1
16	516879	. Cover	1
17	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	4
18	199771	. Screw, Button Hd. Soc. 1/4-28NF x 1/2	3
19	199356	. Washer, Lock 1/4 Shakeproof	3
20	175353	. Hydraulic Motor	1
21	175352	. Coupling	1
22	202383	. Loctite Adhesive (#242-31 Threadlock)	A.R.
23	004231	. Spring Pin	1
24	205197	. End Shaft	1
25	199818	. Screw, Soc. Hd. Cap M10-1.5 x 20	1
26	199325	. Washer, Lock 3/8 Std.	1
27	326607	. Chip Deflector Weldment (C-430A Only)	1

NEW DRG. S.C.L. 7-15-13
REVISIONS



MODEL FIRST MACH. LAST MACH.
C-305A 607-13101

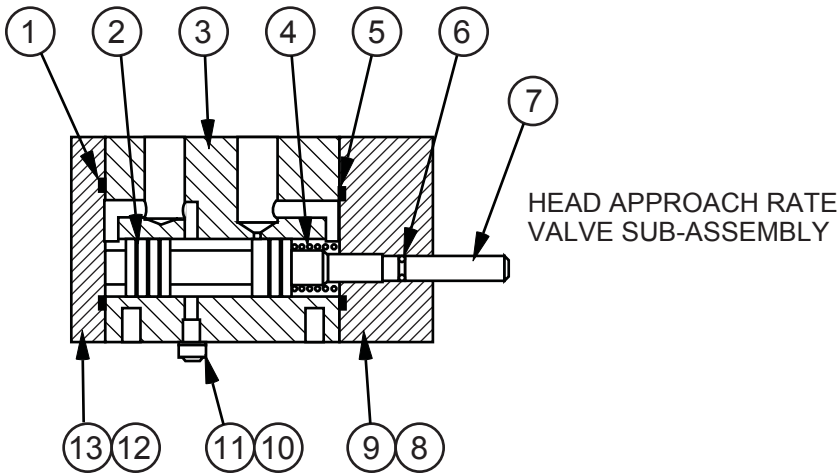
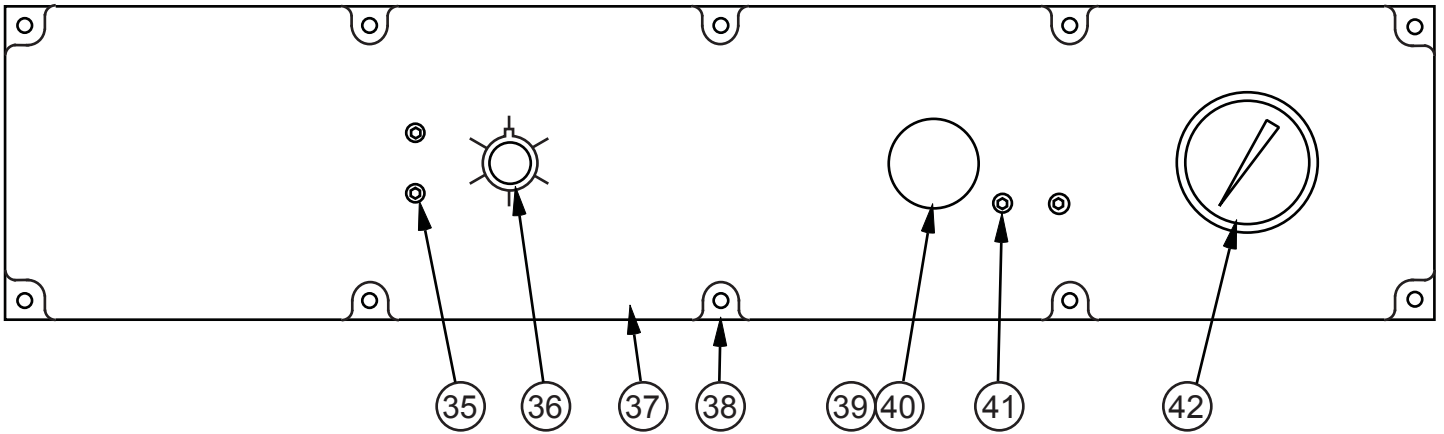
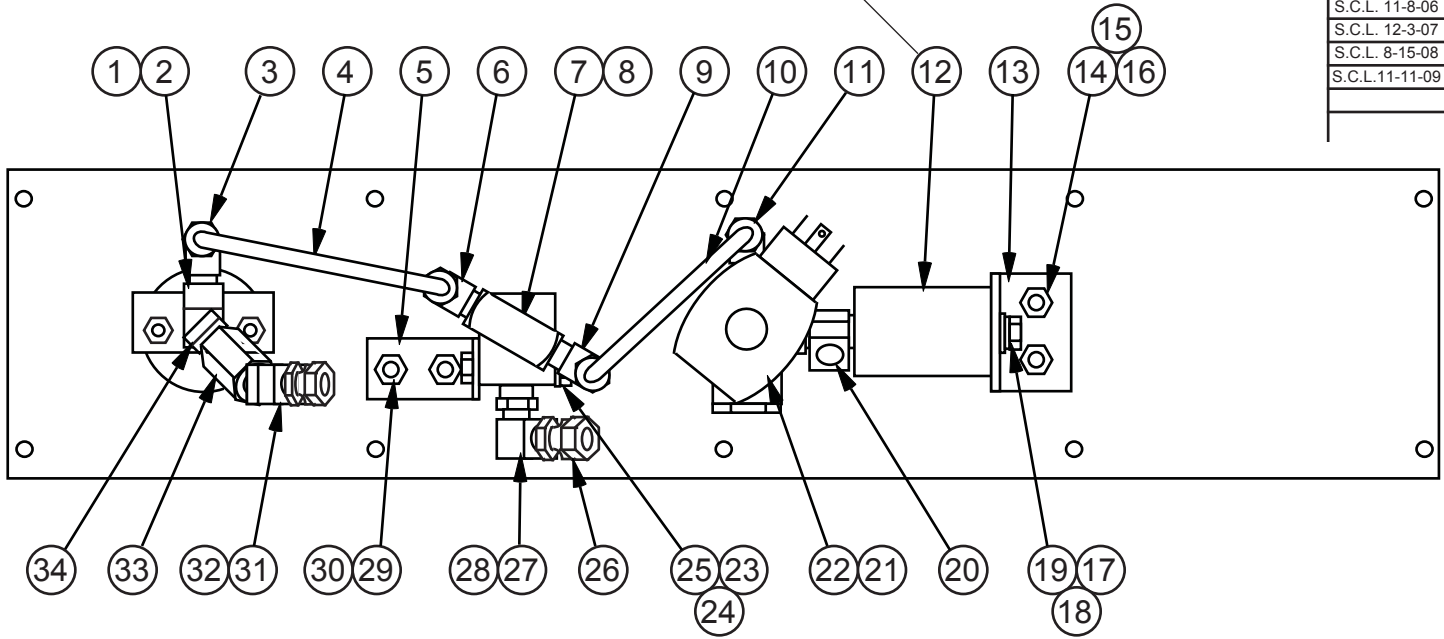
CONTROL CONSOLE ASSEMBLY

CONTROL CONSOLE ASSEMBLY

INDEX NO. Ref.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
		Control Console Assembly	
1	519686	. Control Console Weldment	1
2	203925	. Gasket Strip	A.R.
3	225466	. Circuit Breaker/MSP Schedule	1
4	323676	. Closure Plate	1
5	199969	. Screw, Button Hd. Soc. M6-1.0 x 10	2
6	197022	. Nylon Edging	A.R.
7	209033	. Terminal Block (Blue)	9
8	222284	. Terminal Block (Yellow)	1
9	209034	. End Section	2
10	200618	. End Stop	2
11		. Pushbutton Panel Assembly (See Detail)	1
12	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	12
13		. Control Panel Assembly (Relay) (See Detail)	1
14	176528	. Label (Electrical Hazard)	1
15	204151	. Retainer	3
16	207523	. Screw, Hex. Hd. Slotted M6-1.0 x 20	3
17	204153	. Nylon Washer	3
18	207525	. Nut, Rivet M6-1.0	3
19	135106	. Hole Seal	1
20	014691	. 45° Sealtite Connector	1
21	014694	. Flange Washer	1
22	015752	. Insulated Bushing	1
23	197160	. Sealtite Conduit 1-1/4 I.D.	A.R.
24	014688	. 45° Sealtite Connector	1
25	014687	. Flange Washer	1
26	015751	. Insulated Bushing	1
27	197159	. Sealtite Conduit 1" I.D.	A.R.
28	201696	. Cord Grip Connector (.394-.551)	1
29	197436	. Electrical Cord (#18-8 Conductor)	A.R.
30	201688	. Cord Grip Connector (.200-.394)	1
31	197332	. Electrical Cord (#18-2 Conductor)	A.R.
32	135106	. Hole Seal	2
33	219450	. Solenoid Plug Connector Kit	1
34	201688	. Cord Grip Connector (.200-.394)	1
35	219308	. Cable (Quick Disconnect)	1
Following Not Shown:			
	007635	. Wire Terminal Ring #10	5
	197205	. Wire, #18 Blue (16 Strand)	A.R.

NEW DRG.
S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L. 11-11-09

SEE DETAIL BELOW



MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

CONTROL PANEL ASSEMBLY (HYDRAULIC)

PS - 7 - 359

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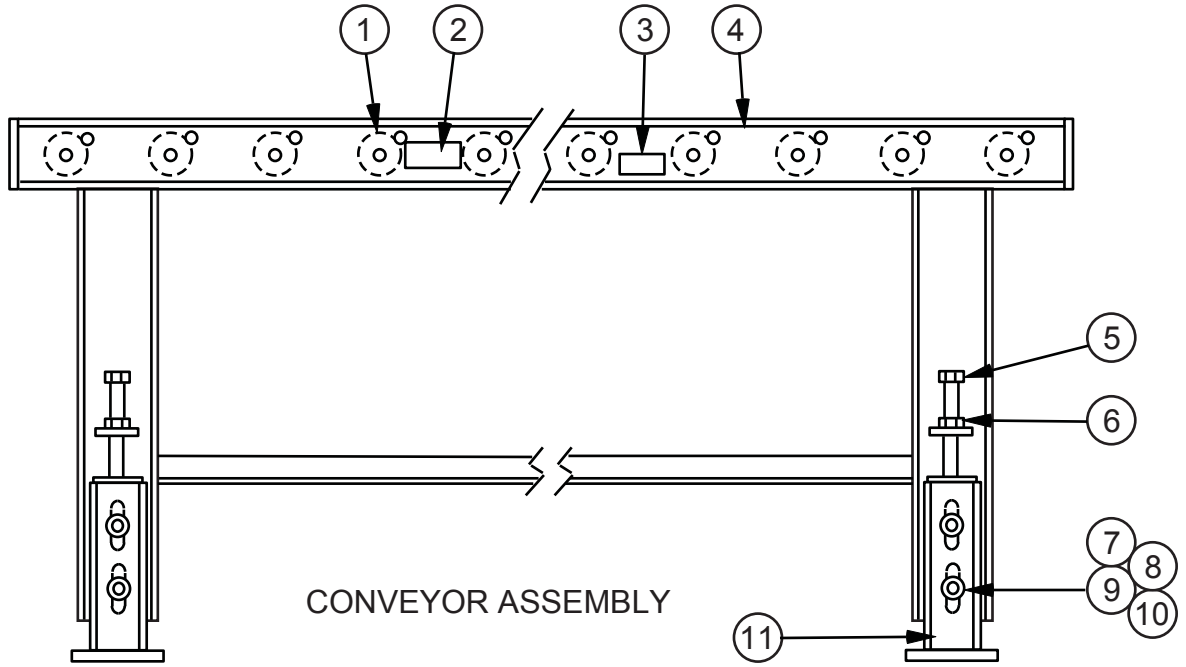
**CONTROL PANEL ASSEMBLY
(Hydraulic)**

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	206122	Control Panel Assembly (Hydraulic)	
1	120857	. Service Tee (Brass)	1
2*	223534	. Pressure Snubber	1
3	309054	. 90° Male Elbow	1
4	197264	. Nylon Tubing 1/4 O.D.	A.R.
5*	326736	. Bracket	1
6	309054	. 90° Male Elbow	1
7	161083	. Male Branch Tee	1
8	5-011517	. Reducer Bushing	1
9	309054	. 90° Male Elbow	1
10	197264	. Nylon Tubing 1/4 O.D.	A.R.
11	309054	. 90° Male Elbow	1
12	317966	. Head Approach Rate Valve Assembly (See Detail)	1
13	318035	. Bracket	1
14	199115	. Nut, Hex. 1/4-20NC	2
15	199321	. Washer, Lock 1/4 Std.	2
16	199260	. Washer, Flat 1/4 S.A.E. Std.	2
17	198007	. Screw, Hex. Hd. Cap 1/4-20NC x 5/8	2
18	199321	. Washer, Lock 1/4 Std.	2
19	199260	. Washer, Flat 1/4 S.A.E. Std.	2
20	008254	. 90° Street Elbow	1
21	178857	. Solenoid Valve	1
22	35-002344	. Pipe Nipple	1
23	198012	. Screw, Hex. Hd. Cap 1/4-20NC x 1-1/2	2
24	199321	. Washer, Lock 1/4 Std.	2
25	199115	. Nut, Hex. 1/4-20NC	2
26	008151	. Swivel Adaptor Unoin	1
27	008254	. 90° Street Elbow	1
28	5-011517	. Reducer Bushing	1
29	199115	. Nut, Hex. 1/4-20NC	2
30	199321	. Washer, Lock 1/4 Std.	2
31	008151	. Swivel Adaptor Unoin	1
32	121933	. 45° Street Elbow	1
33*	303409	. Orifice (.0135)	1
34	121933	. 45° Street Elbow	1
35	198349	. Screw, Button Hd. Soc. 1/4-20NC x 1/2	2
36	176012	. Knob	1
37	519567	. Escutcheon	1
38	519706	. Backer Plate	1
39*	221950	. Relief Valve	1
40	170476	. Knurled Washer	1
41	198349	. Screw, Button Hd. Soc. 1/4-20NC x 1/2	2
42	301937	. Gauge	1

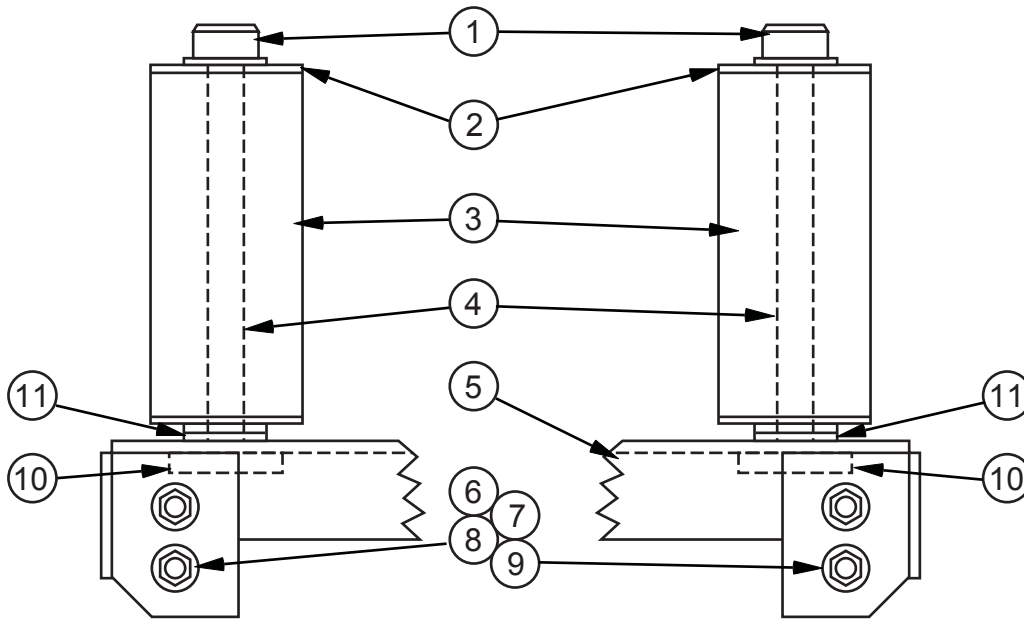
*NOTE: Before Serial #582-06108 on C-305A and Before Serial #581-06103 on C-305NC, Order #223535 - Hydraulic Service Kit for Any of the Marked Items.

Ref.	317966	. Head Approach Rate Valve Assembly	
1	109411	. . O-Ring	1
2*		. . Spool (Order Complete Valve Assembly)	1
3*		. . Valve Body (Order Complete Valve Assembly)	1
4	108936	. . Compression Spring	1
5	109411	. . O-Ring	1
6	003019	. . O-Ring	1
7	318356	. . Valve Stem	1
8	417601	. . Stem Cap	1
9	198225	. . Screw, Soc. Hd. Cap #10-24NC x 1	4
10	198218	. . Screw, Soc. Hd. Cap #10-24NC x 1/4	1
11	001435	. . Copper Washer	1
12	319986	. . End Cap	1
13	198219	. . Screw, Soc. Hd. Cap #10-24NC x 3/8	4

NEW DRG. S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L. 11-11-09
S.C.L. 7-18-13



CONVEYOR ASSEMBLY



VERTICAL GUIDE ROLLER ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

CONVEYOR ASSEMBLY (AND RELATED ITEMS)

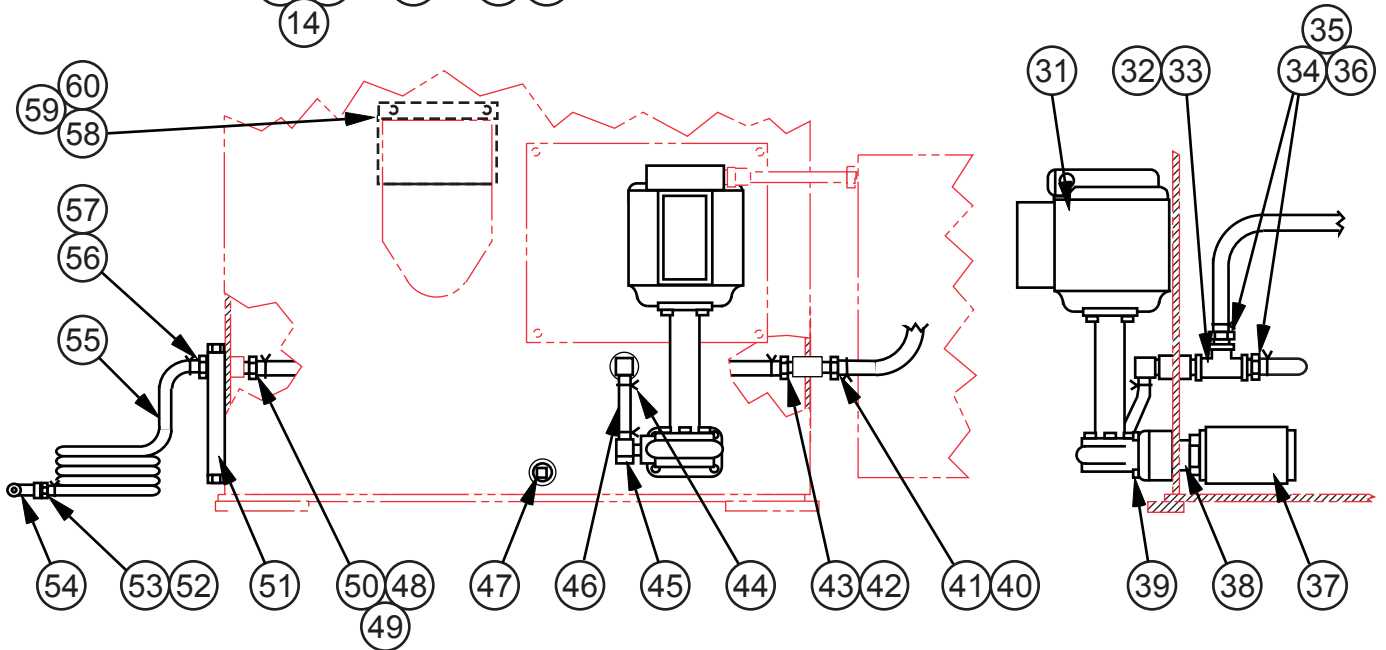
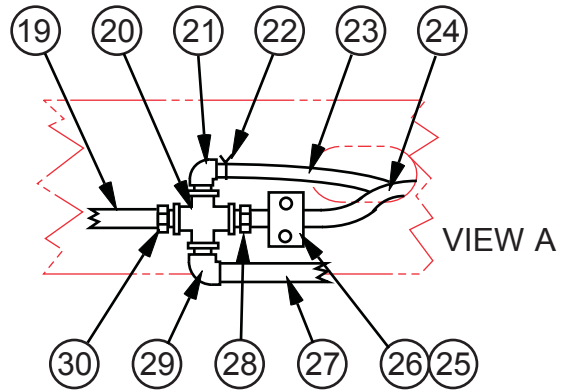
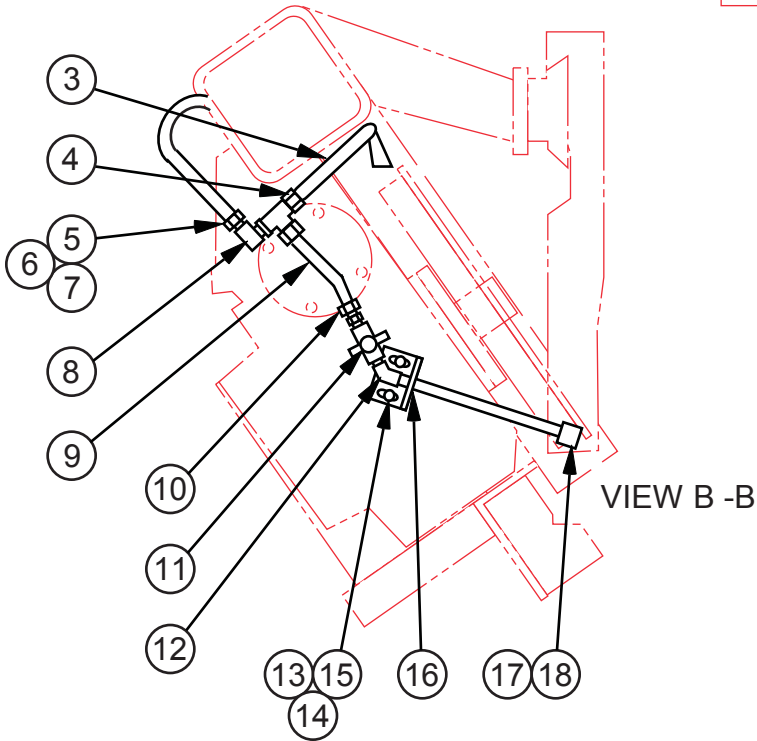
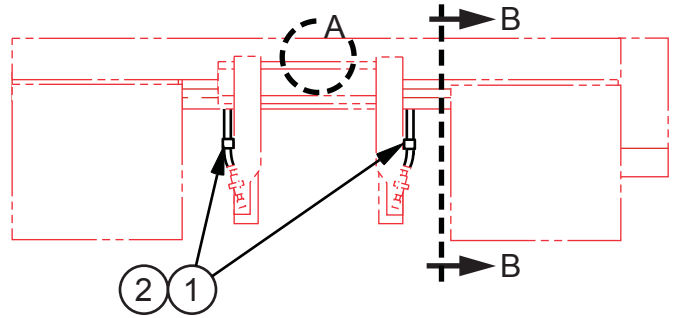
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CONVEYOR ASSEMBLY
(Related Items)

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	202774	5' Conveyor Assembly	
1	202785	. Roller	5
2	203025	. Label (DoALL Logo)	2
3	203035	. Label (Conveyor Capacity)	2
4	516104	. Frame Weldment	1
5	199876	. Screw, Hex. Hd. Cap 1/2-13NC x 6	4
6	199131	. Nut, Hex. 1/2-13NC	4
7	198068	. Screw, Hex. Hd. Cap 1/2-13NC x 1-3/4	8
8	199304	. Washer, Flat 1/2 Wrought	16
9	199327	. Washer, Lock 1/2 Std.	8
10	199131	. Nut, Hex. 1/2-13NC	8
11	417100	. Foot Weldment	4
Ref.	202780	10' Conveyor Assembly	
1	202785	. Roller	10
2	203025	. Label (DoALL Logo)	2
3	203035	. Label (Conveyor Capacity)	2
4	516103	. Frame Weldment	1
5	199876	. Screw, Hex. Hd. Cap 1/2-13NC x 6	6
6	199131	. Nut, Hex. 1/2-13NC	6
7	198068	. Screw, Hex. Hd. Cap 1/2-13NC x 1-3/4	12
8	199304	. Washer, Flat 1/2 Wrought	24
9	199327	. Washer, Lock 1/2 Std.	12
10	199131	. Nut, Hex. 1/2-13NC	12
11	417100	. Foot Weldment	6
Ref.	516255M	Vertical Guide Roller Assembly	
1	199235	. Screw, Hex. Hd. Cap 5/8-11NC x 8	2
2	850900	. Roller End Bearing	4
3	206750	. Roller	2
4	206861	. Tube Sleeve	2
5	516028	. Base Weldment	1
6	199975	. Screw, Hex. Hd. Cap M10-1.5 x 35	8
7	199346	. Washer, Lock M10	8
8	198976	. Washer, Flat M10	16
9	199939	. Nut, Hex. M10-1.5	8
10	202872	. Nut	2
11	199267	. Washer, Flat 5/8 S.A.E. Std.	2

NEW DRG.
S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L.11-11-09
S.C.L. 7-18-13



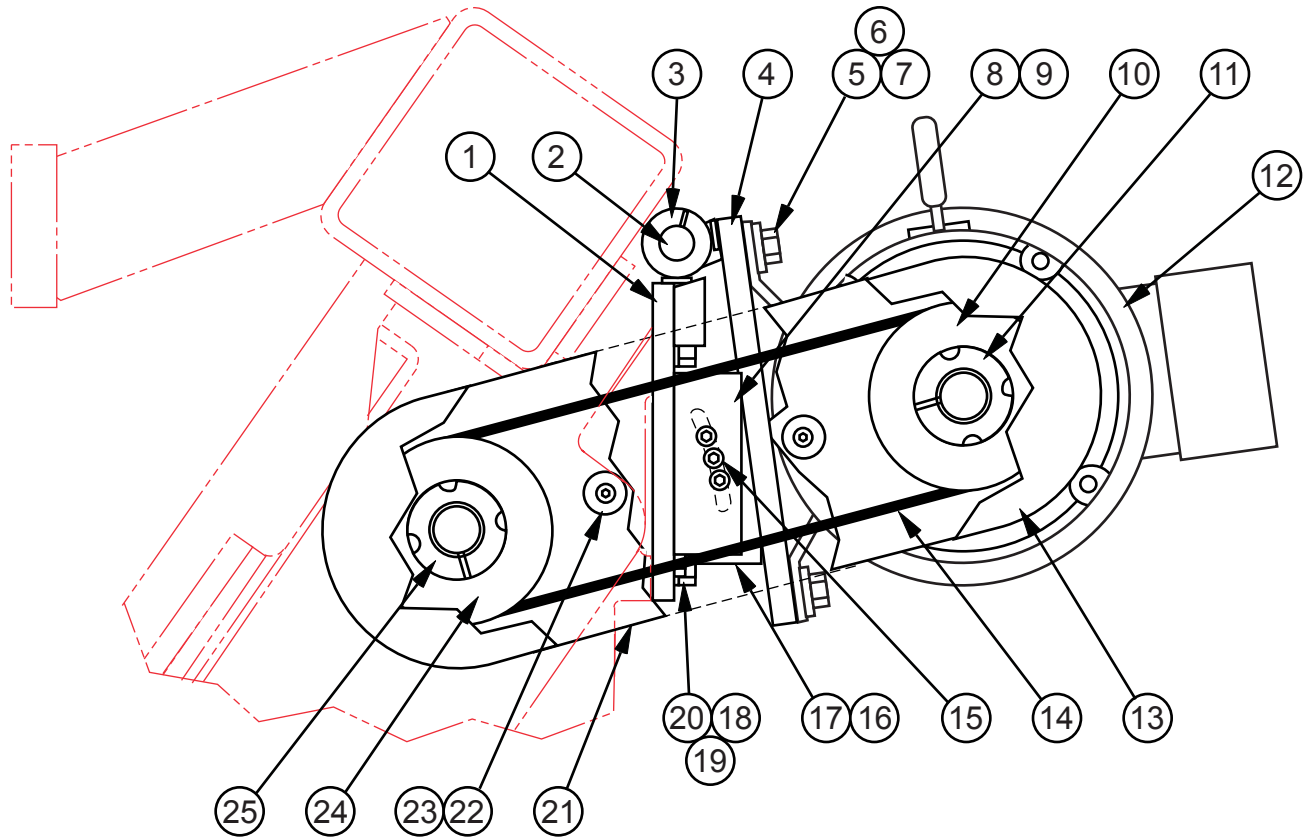
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

COOLANT ASSEMBLY

COOLANT ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	203750	Coolant Assembly		41	35-006888	. Hose Clamp	1
1	009955	. Tubing Clamp	2	42	008212	. Barbed Insert	1
2	198960	. Screw, Pan Hd. Mach. M6-1.0 x 10 (Slotted)	2	43	35-006888	. Hose Clamp	1
3	320462	. Tube	1	44	35-006888	. Hose Clamp	2
4	309189	. Female Run Tee	1	45	203967	. 90° Barbed Insert	2
5	014928	. Barbed Insert	1	46	197098	. Neoprene Hose 1/2 I.D. (Black)	A.R.
6	017902	. Hose Clamp	1	47	5-004618	. Pipe Plug	1
7	197094	. Neoprene Hose 11/16 O.D. (Black)	A.R.	48	008212	. Barbed Insert	1
8	148887	. 90° Street Elbow	1	49	35-006888	. Hose Clamp	1
9	172067	. Tube	1	50	197098	. Neoprene Hose 1/2 I.D. (Black)	A.R.
10	309015	. Male Connector	1	51	108654	. View Gauge	1
11	178934	. Ball Valve	1	52	176816	. Barbed Insert	1
12	001546	. 45° Street Elbow	1	53	017902	. Hose Clamp	1
13	199966	. Screw, Soc. Hd. Cap M6-1.0 x 16	2	54	176420	. Hose Nozzle	1
14	199347	. Washer, Lock M6	2	55	197094	. Neoprene Hose 11/16 O.D. (Black)	A.R.
15	199965	. Washer, Flat M6.	2	56	009667	. Barbed Insert	1
16	206541	. Bracket Weldment	1	57	017902	. Hose Clamp	1
17	008254	. 90° Street Elbow	1	58	223958	. Neoprene Deflector	1
18	319420	. Flushing Head	1	59	223959	. Bar Retainer	1
19	197144	. Plastic Tubing 3/8 O.D. (Clear)	A.R.	60	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	2
20	002028	. Pipe Cross	1	Following Not Shown:			
21	133439	. 90° Barbed Insert	1	214770	. Cutting Fluid (Power-Cut; 2.5 Gallon) ..	1	
22	017902	. Hose Clamp	1	123328	. Pipe Plug (Base Plate)	1	
23	197094	. Neoprene Hose 11/16/ O.D. (Black)	A.R.	316116	. Hook	1	
24	197098	. Neoprene Hose 1/2 I.D. (Black)	A.R.				
25	313358	. Single Support	1				
26	198163	. Screw, Hex. Hd. Cap M6-1.0 x 20	2				
27	197144	. Plastic Tubing 3/8 O.D. (Clear)	A.R.				
28	102298	. Barbed Insert	1				
29	176677	. 90° Barbed Insert	1				
30	103316	. Barbed Insert	1				
31	205471	. Coolant Pump (208V, 230V, 460V)	1				
	205472	. Coolant Pump (220V, 400V)	1				
	205473	. Coolant Pump (575V)	1				
32	35-003377	. Tee	1				
33	14-000661	. Close Nipple	1				
34	008212	. Barbed Insert	2				
35	35-006888	. Hose Clamp	2				
36	197098	. Neoprene Hose 1/2 I.D. (Black)	A.R.				
37	216895	. Diffuser/Strainer	1				
38	106059	. Pipe Nipple	1				
39	199656	. Screw, Soc. Hd. Cap M6-1.0 x 22	4				
40	008212	. Barbed Insert	1				

NEW DRG. S.C.L. 7-15-13
REVISIONS
S.C.L. 6-1-14



MODEL FIRST MACH. LAST MACH.
C-305A 607-13101

DRIVE ASSEMBLY

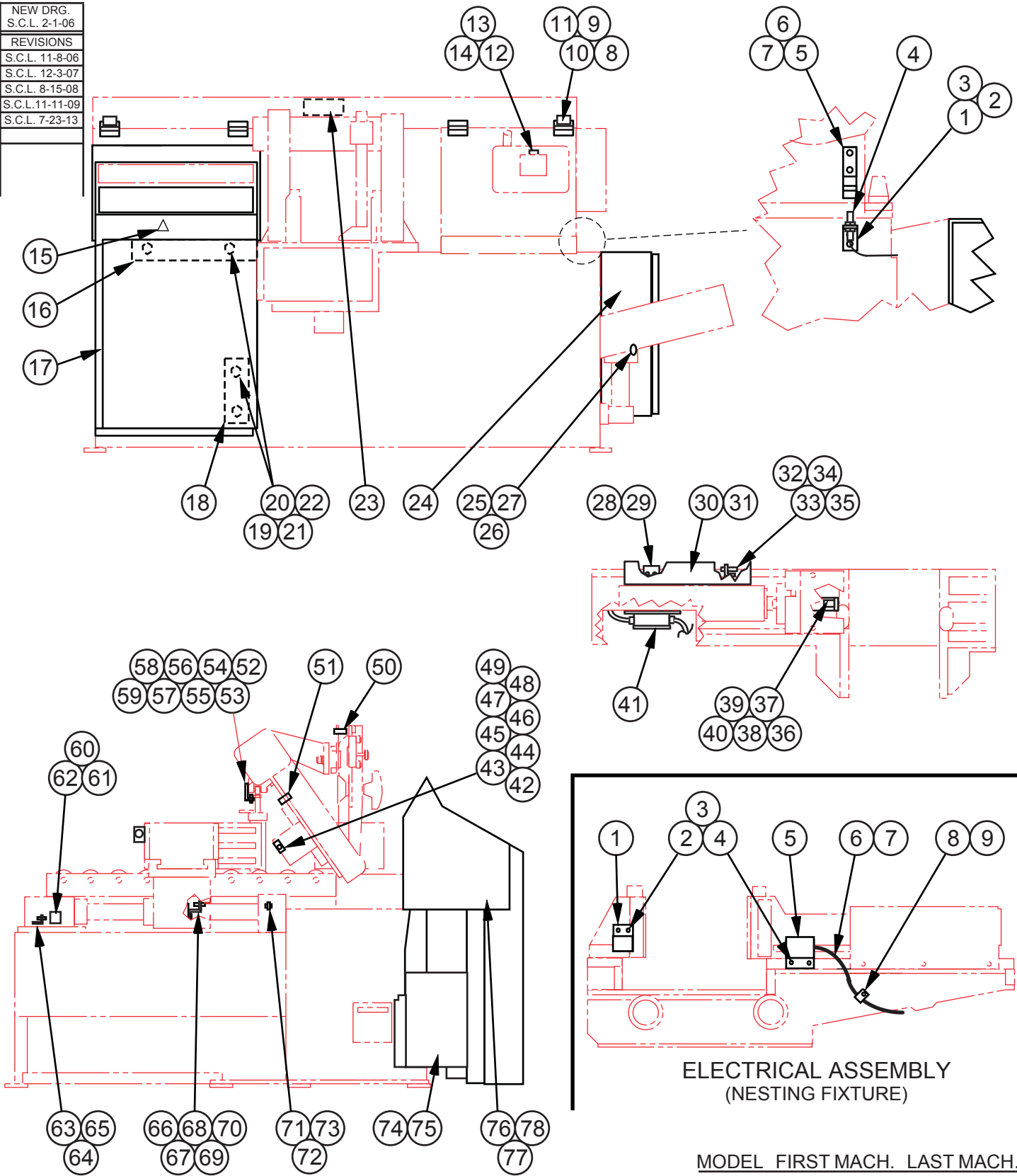
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DRIVE ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASSY.
Ref.	1014758	Drive Assembly	
1	1014755	. Pivot Plate Weldment	1
2	202978	. Round Bar	1
3	35-001786	. Set Screw Collar	2
4	1014757	. Motor Pivot Plate Weldment	1
5	198161	. Screw, Hex. Hd. Cap M10-1.5 x 30	4
6	199346	. Washer, Lock M10	4
7	198976	. Washer, Flat M10	4
8	1014761	. Back Guard Mounting Bracket	1
9	199969	. Screw, Button Hd. Soc. M6-1.0 x 10	2
10	1014748	. Timing Pulley	1
11	1014759	. Locking Bushing	1
12	221346	. Electric Motor	1
	209631	. Electric Motor (575V Only)	1
13	1014751	. Drive Guard Cover	1
14	1014760	. Timing Belt	1
15	199969	. Screw, Button Hd. Soc. M6-1.0 x 10	3
16	199582	. Screw, Hex. Hd. Cap M10-1.5 x 75	1
17	198604	. Nut, Hex. Self-Locking M10-1.5	1
18	199577	. Screw, Hex. Hd. Cap M10-1.5 x 30	1
19	199346	. Washer, Lock M10	4
20	198976	. Washer, Flat M10	4
21	1014752	. Back Guard	1
22	1014753	. Drive Guard Sandoff	2
23	199969	. Screw, Button Hd. Soc. M6-1.0 x 10	4
24	1014748	. Timing Pulley	1
25	1014759	. Locking Bushing	1

NEW DRG.
S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L.11-11-09
S.C.L. 7-23-13



**ELECTRICAL ASSEMBLY
(NESTING FIXTURE)**

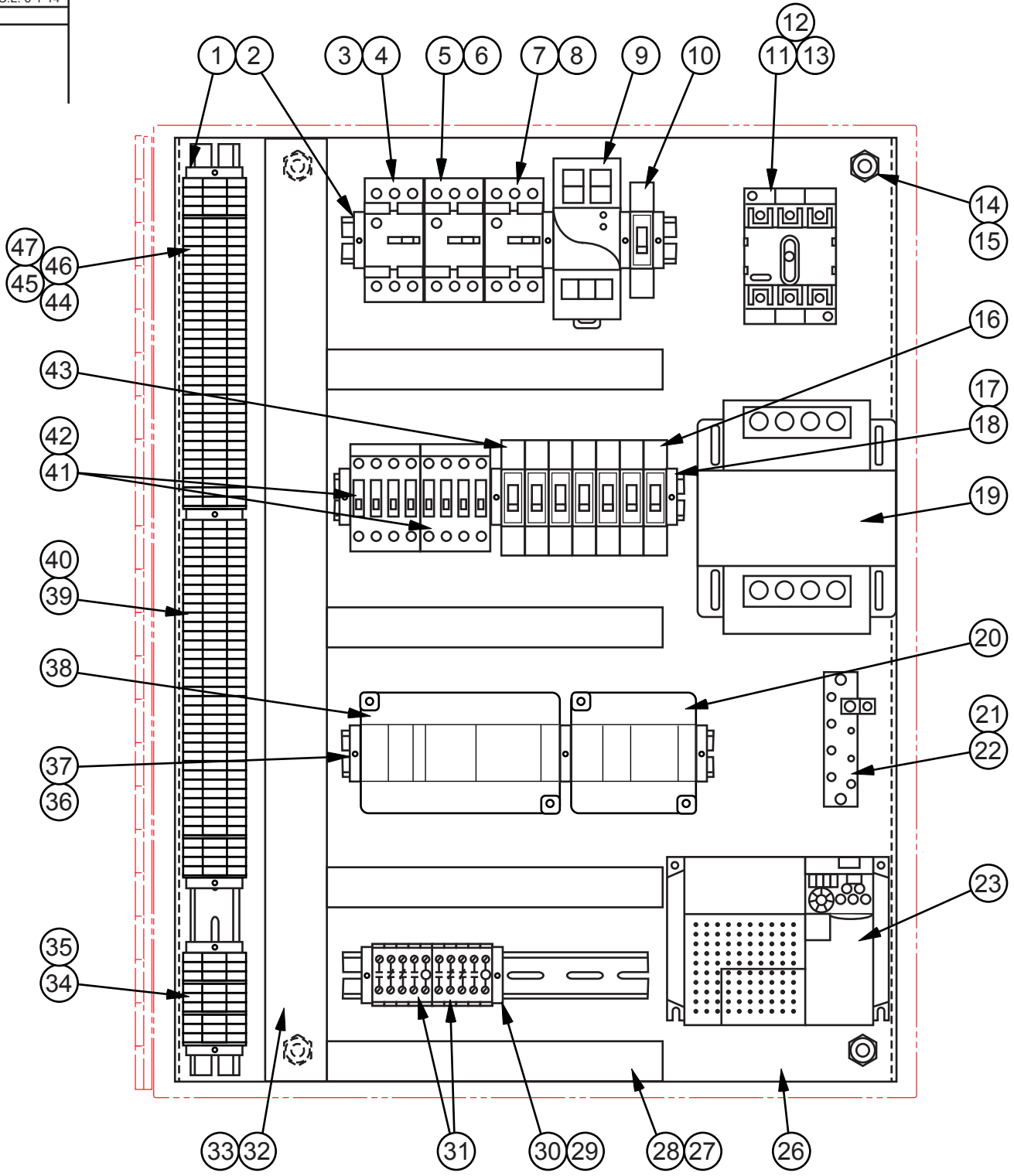
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305A	607-13101	

ELECTRICAL ASSEMBLY

ELECTRICAL ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	520673	Electrical Assembly		56	324413	. Bracket Cover	1
1	215050	. Mounting Bracket	1	57	179016	. Stop Bracket	1
2	199969	. Screw, Button Hd. Soc M6-1.0 x 10	2	58	199898	. Screw, Soc. Hd. Cap M5-0.7 x 16	4
3	199965	. Washer, Flat M6	2	59	199348	. Washer, Lock M5	4
4	215048	. Proximity Switch (Head Up Max.)	1	60	324382	. Kerf Solenoid Assembly (See Detail) ...	1
5	320931	. Stop Bracket	1	61	201696	. Cord Grip Connector (.200-.394)	1
6	199923	. Screw, Button Hd. Soc M6-1.0 x 10	2	62	197332	. Extension Cord (#18-2 Conductor)	A.R.
7	199965	. Washer, Flat M6	2	63	215048	. Proximity Switch (Index Rear)	1
8	219160	. Limit Switch (Door Interlock)	2	64	324408	. Mounting Bracket	1
9	216729	. Mounting Plate	4	65	199969	. Screw, Button Hd. Soc M6-1.0 x 10	2
10	199987	. Screw, Flat Hd. Soc. M6-1.0 x 10	16	66	215048	. Proximity Switch (Index Forward)	1
11	197332	. Extension Cord (#18-2 Conductor)	A.R.	67	215149	. Mounting Bracket	1
12	219161	. Cord Grip Connector (M20; .197-.394) .1		68	199923	. Screw, Soc. Hd. Cap M6-1.0 x 10	4
13	197428	. Extension Cord (#10-4 Conductor)	A.R.	69	199965	. Washer, Flat M6	4
14	219160	. Terminal Ring #6 (22-18 AWG)	4	70	216481	. Bracket Cover (If Supplied)	1
15	176528	. Label (Electrical Hazard)	4	71	209176	. Actuator Bracket	1
16	320166	. Stand-Off	1	72	199923	. Screw, Soc. Hd. Cap M6-1.0 x 10	2
17		. Control Console Assembly (See Detail)	1	73	174990	. Actuator	1
18	320167	. Stand-Off	1	74	419626	. Shroud	1
19	199844	. Screw, Hex. Hd. Cap M12-1.75 x 25 ...	4	75	199974	. Screw, Button Hd. Soc M5-0.8 x 10	2
20	199933	. Nut, Hex. M12-1.75	4	76	517229	. Shield/Splash Guard	1
21	199345	. Washer, Lock M12	4	77	199246	. Screw, Button Hd. Soc M6-1.0 x 12	6
22	199280	. Washer, Flat M12	4	78	199965	. Washer, Flat M6	6
23	325311	. Escutcheon (Switch Locations)	1	Following Not Shown:			
24		. Junction Box Assembly (See Detail)	1	217667		. Corrugated Tubing (Black Poly)	A.R.
25	014507	. 45° Sealtite Connector	1	Ref.	216897	Electrical Assembly (Nesting Fixture Option)	
26	014411	. Flange Washer	1	1	318399	. Reflector Mounting Assembly	1
27	197156	. Sealtite Conduit 1/2 I.D.	A.R.		416733	. Bracket Weldment	1
28	215578	. Bracket Stop	1		201031	. Reflector	1
29	199974	. Screw, Button Hd. Soc M5-0.8 x 10	2	2	198239	. Screw, Soc. Hd. Cap 1/4-20NC x 3/4 ...	4
30	517226	. Guard/Mounting Bracket	1	3	199260	. Washer, Flat 1/4 S.A.E. Std.	4
31	199970	. Screw, Soc. Hd. Cap M6-1.0 x 12 (Low Head)	3	4	199321	. Washer, Lock 1/4 Std.	4
32	215048	. Proximity Switch (Out of Stock)	1	5	324431	. Photo Cell Mounting Assembly	1
33	215577	. Mounting Bracket	1		416734	. Bracket Weldment	1
34	199246	. Screw, Button Hd. Soc M6-1.0 x 12	2		214744	. Photo Cell	1
35	199347	. Washer, Lock M6	2	6	201686	. Cord Grip Connector (.157-.314) (Junction Box).....	1
36	215218	. Proximity Switch (Index Vise Clamp) ...	1	7	200752	. Cable Assembly	1
37	215219	. Cable (Quick Disconnect)	1	8	016968	. Tubing Clamp	2
38	323731	. Mounting Bracket	1	9	199683	. Screw, Soc. Hd.Cap #6-32NC x 1/4	2
39	199923	. Screw, Soc. Hd. Cap M6-1.0 x 10	2				
40	324540	. Switch Cover (If Supplied)	1				
41	520210	. Index Junction Box Assembly (See Detail)	1				
42	206588	. Limit Switch (Band Tension)	1				
43	198978	. Screw, Soc. Hd. Cap M5-0.8 x 30	2				
44	320626	. Mounting Bracket	1				
45	199923	. Screw, Soc. Hd. Cap M6-1.0 x 10	2				
46	199965	. Washer, Flat M6	2				
47	198974	. Screw, Soc. Hd. Cap M6-1.0 x 50	1				
48	133371	. Knob	1				
49	199114	. Nut, Hex. Jam 1/4-20NC	1				
50	215048	. Proximity Switch (Head Clear)	1				
51	215049	. Proximity Switch (Band Broken)	1				
52	215048	. Proximity Switch (Head Down)	1				
53	324410	. Mounting Bracket	1				
54	199969	. Screw, Button Hd. Soc M6-1.0 x 10	2				
55	199965	. Washer, Flat M6	2				

NEW DRG.
S.C.L. 7-15-13
REVISIONS
S.C.L. 6-1-14



MODEL FIRST MACH. LAST MACH.
C-305A 607-13101

ELECTRICAL BOX ENCLOSURE ASSEMBLY

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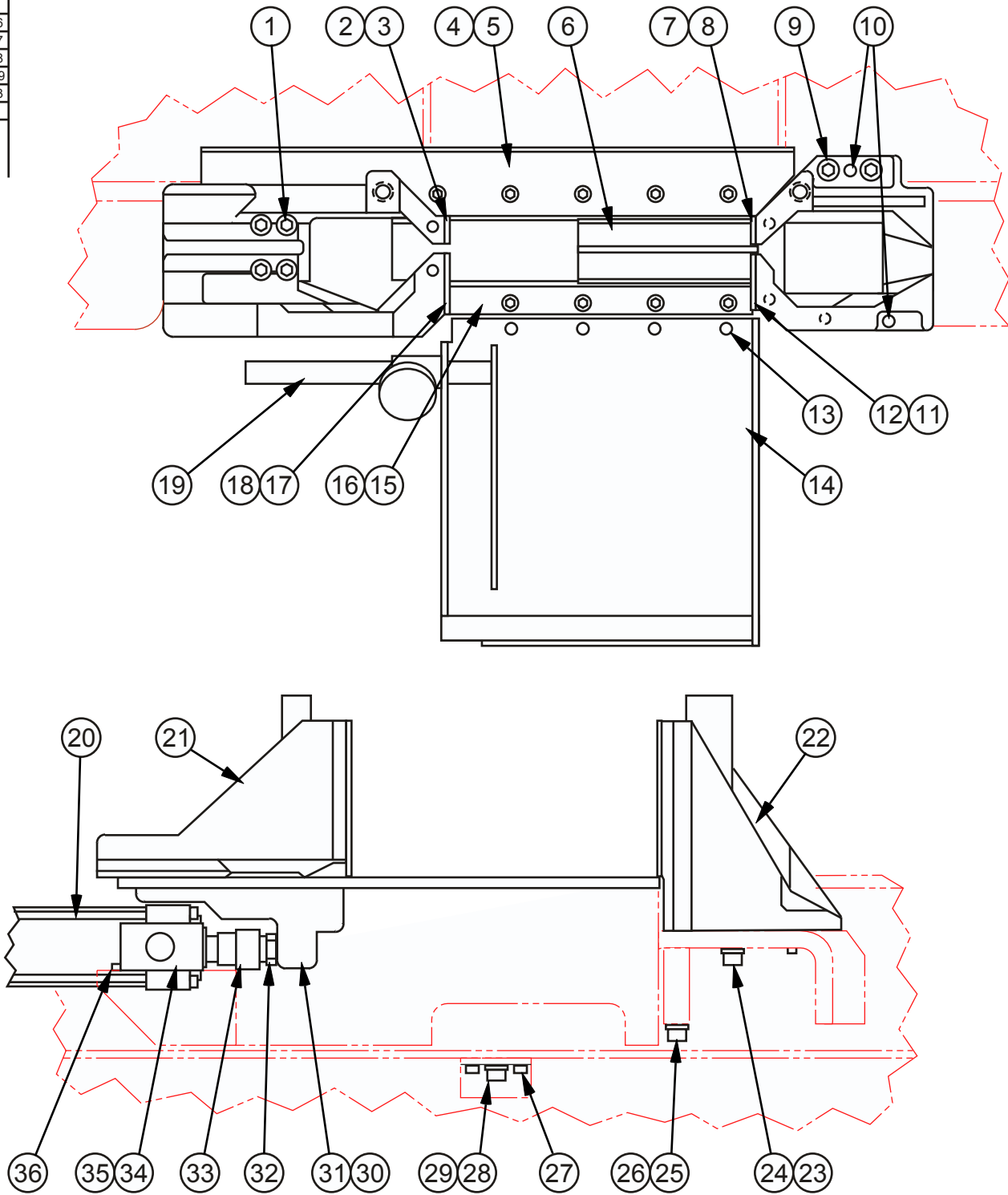
ELECTRICAL BOX ENCLOSURE ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.		Electrical Box Enclosure Assembly	
1	169674	. Mounting Channel	A.R.
2	200618	. End Stop	9
3	220647	. Motor Starter Protector (208V, 230V)	1
	220646	. Motor Starter Protector (400V, 460V)	1
4	220654	. Auxiliary Contact (1-NO)	2
5	220643	. Motor Starter Protector (208V)	1
	220642	. Motor Starter Protector (230V)	1
	220644	. Motor Starter Protector (400V)	1
	220641	. Motor Starter Protector (460V)	1
6	220654	. Auxiliary Contact (1-NO)	2
7	220650	. Motor Starter Protector (208V, 230V)	1
	220648	. Motor Starter Protector (400V, 460V)	1
8	220654	. Auxiliary Contact (1-NO)	2
9	224940	. Power Supply	1
10	420358	. Circuit Breaker	1
11	1007435	. Disconnect Switch	1
12	1007440	. Disconnect Switch Shaft	1
13	1007439	. Disconnect Switch Handle	1
14	199126	. Nut, Hex. 3/8-16NC	4
15	199325	. Washer, Lock 3/8 Std.	4
16	420356	. Circuit Breaker	6
17	169674	. Mounting Channel	A.R.
18	200618	. End Stop	3
19	320113	. Transformer (208V)	1
	320114	. Transformer (230V, 460V)	1
	217753	. Transformer (400V)	1
20	225465	. PLC Expansion Unit	1
21	320740	. Grounding Bus	1
22	141639	. Wire Terminal Lug	1
23	1007741	. Variable Frequency Drive Module (208V, 230V)	1
	1007742	. Variable Frequency Drive Module (400V, 460V)	1
24	516959	. Enclosure Panel	1
25	197208	. 1" Wiring Channel	A.R.
26	197210	. 1" Wiring Channel Cover	A.R.
27	169674	. Mounting Channel	A.R.
28	200618	. End Stop	2
29	207200	. Control Relay	2
30	197429	. 1-1/2" Wiring Channel	A.R.
31	197430	. 1-1/2" Wiring Channel Cover	A.R.
32	200615	. Terminal Block (Gray)	9
33	200617	. End Section	3
34	169674	. Mounting Channel	A.R.
35	200618	. End Stop	3
36	225467	. Programmed PLC Unit	1
37	209033	. Terminal Block (Blue)	38
38	209034	. End Section	2
39	207206	. Contactor	2
40	212669	. Suppressor	2
41	1007095	. Circuit Breaker	1
42	200615	. Terminal Block (Gray)	35
43	200617	. End Section	2
44	202922	. Jumper Bar	1
45	218765	. Terminal Marker Set	1

Following Not Shown:

1003427	. U.L. Label	1
214182	. Hour Meter (Optional)	1
197420	. Wire, #10 Black (19 Strand)	A.R.
197243	. Wire, #10 Green/Yellow (19 Strand)	A.R.
197341	. Wire, #12 Black (19 Strand)	A.R.
197339	. Wire, #14 Black (19 Strand)	A.R.
197343	. Wire, #16 Green/Yellow (19 Strand)	A.R.
197197	. Wire, #16 Red (19 Strand)	A.R.
197325	. Wire, #16 White (19 Strand)	A.R.
197205	. Wire, #18 Blue (16 Strand)	A.R.
218828	. Heat-Shrink Tubing 1/8"	A.R.
218829	. Heat-Shrink Tubing 1/4"	A.R.
219479	. Wire Connector	3

NEW DRG. S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L.11-11-09
S.C.L. 7-23-13



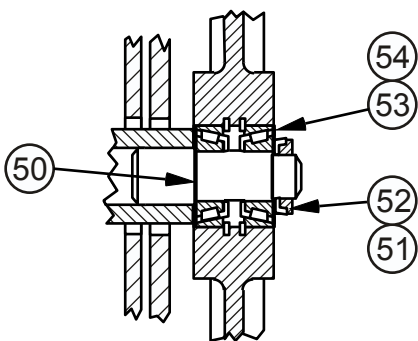
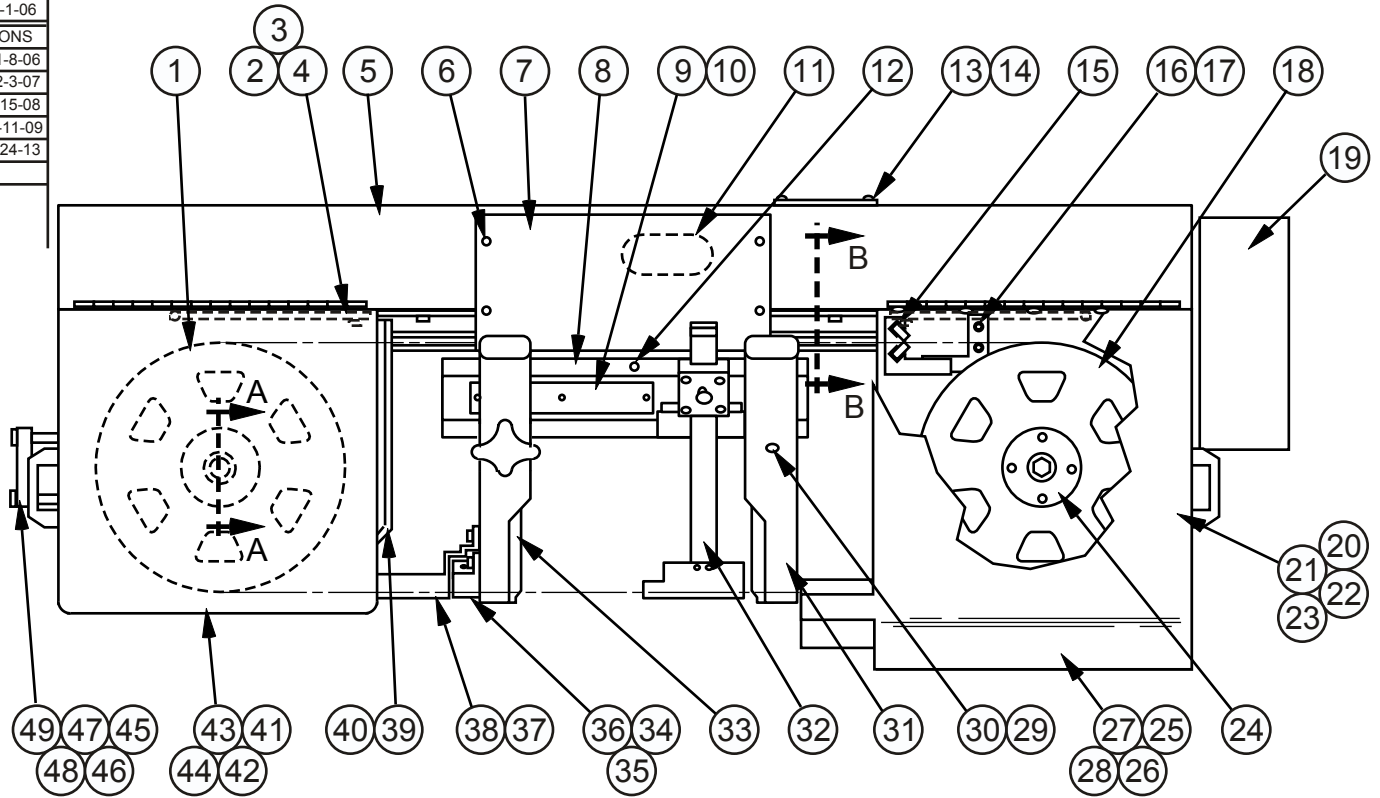
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

FIXED VISE ASSEMBLY

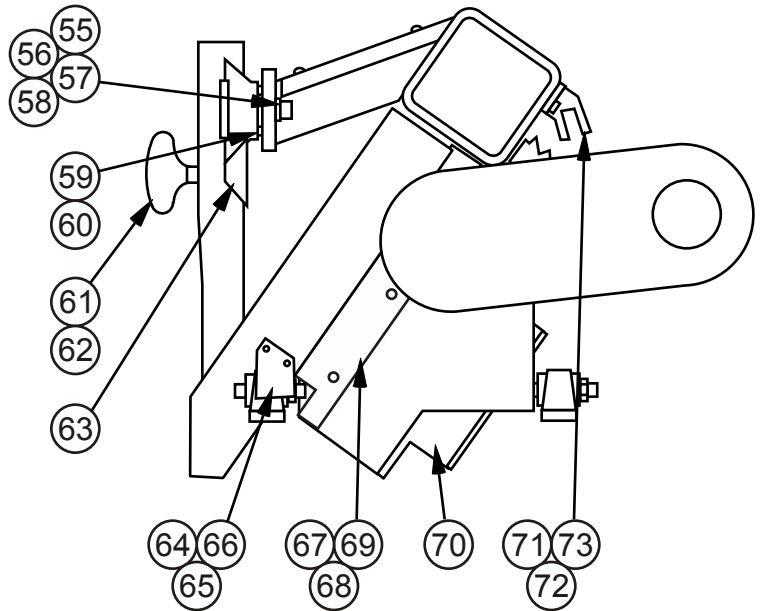
FIXED VISE ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	211956	Fixed Vise Assembly	
1	198812	. Screw, Flat Hd. Soc. M10-1.5 x 25	4
2	417287	. Wear Plate (Steel)	1
	417750	. Wear Plate (Urethane)	1
	419447	. Wear Plate (Serrated)	1
3	199905	. Screw, Flat Hd. Soc. M6-1.0 x 16	4
4	417285	. Guide Bar	1
5	199983	. Screw, Soc. Hd. Cap M10-1.5 x 20 (Low Head)	8
6	324398	. Filler Plate (1" - 2") (25 - 50 mm)	1
	324399	. Filler Plate (3" - 4") (76 - 102 mm)	1
	324400	. Filler Plate (4" - 6") (102 - 152 mm)	1
	324401	. Filler Plate (6" - 10") (152 - 254 mm)	1
	324402	. Filler Plate (10" - 13") (254 - 330 mm)	1
7	417287	. Wear Plate (Steel)	1
	419447	. Wear Plate (Serrated)	1
8	199905	. Screw, Flat Hd. Soc. M6-1.0 x 16	4
9	199918	. Screw, Soc. Hd. Cap M12-1.75 x 45	2
10	205184	. Dowel Pin	2
11	417288	. Wear Plate (Steel)	1
	419446	. Wear Plate (Serrated)	1
12	199905	. Screw, Flat Hd. Soc. M6-1.0 x 16	6
13	199970	. Screw, Soc. Hd. Cap M6-1.0 x 12 (Low Head)	4
14	518346	. Discharge Tray Weldment	1
15	417284	. Guide Bar	1
16	199983	. Screw, Soc. Hd. Cap M10-1.5 x 20 (Low Head)	7
17	417288	. Wear Plate (Steel)	1
	417751	. Wear Plate (Urethane)	1
	419446	. Wear Plate (Serrated)	1
18	199905	. Screw, Flat Hd. Soc. M6-1.0 x 16	6
19	418666M	. Work Fence Assembly (Adjustable)	1
	322347	. . Fence Weldment	1
	204755	. . Knob (Metric)	1
20	421311	. Fixed Vise Clamp Cylinder	1
21	516867	. Movable Jaw	1
22	516866	. Fixed Jaw	1
23	199918	. Screw, Soc. Hd. Cap M12-1.75 x 45	1
24	205188	. Washer, Lock M12 Hi-Collar	1
25	199928	. Screw, Soc. Hd. Cap M12-1.75 x 120	2
26	205188	. Washer, Lock M12 Hi-Collar	2
27	199988	. Screw, Soc. Set M10-1.5 x 20	2
28	199919	. Screw, Soc. Hd. Cap M10-1.5 x 35	1
29	199447	. Washer, Lock M10 Hi-Collar (If Supplied)	1
30	516868	. Driver/Keeper Lug	1
31	199742	. Screw, Soc. Hd. Cap M10-1.5 x 35	2
32	199189	. Nut, Hex. Jam 3/4-16NF (Black Oxide)	1
33	142830	. Aligning Rod End Coupler	1
34	417289	. Cylinder Block	2
35	199986	. Screw, Soc. Hd. Cap M12-1.75 x 55	4
36	205392	. Dowel Pin	2

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SECTION A - A



SECTION B - B

MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

HEAD ASSEMBLY

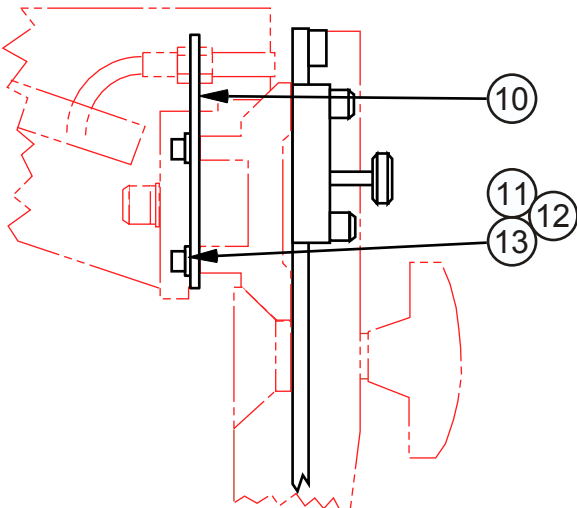
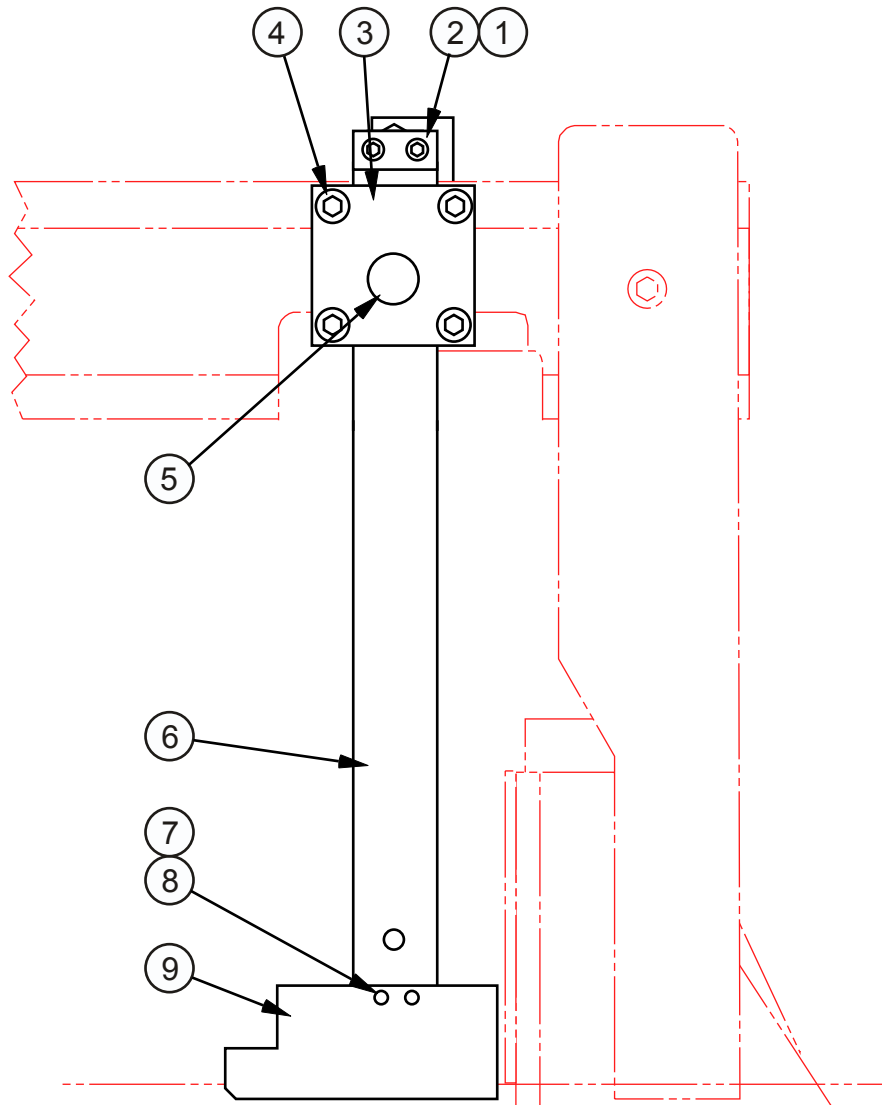
HEAD ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	211950	Head Assembly		49	199345	. Washer, Lock M12	3
1	415211M	. Bandwheel Sub-Assy (Idler)	1	50	175364	. Shield	1
	511929	. . Bandwheel (Idler)	1	51	14-006587	. Bearing Locknut	1
	126906	. . Roller Bearing Cup	2	52	14-006586	. Bearing Lockwasher	1
	126905	. . Roller Bearing Cone	2	53	175364	. Shield	1
	003035	. . Retaining Ring	2	54	175365	. Spacer (.15)	1
2	318720	. Prop Rod Weldment (Bandwheel Doors)	2	55	199717	. Screw, Soc. Hd. Cap M12-1.75 x 50	2
3	109368	. Screw, Soc. Hd. Shoulder 5/16-18NC x 3/8 (3/8 Dia.)	2	56	199345	. Washer, Lock M12	2
4	108807	. Belleville Washer	4	57	35-005828	. Hardened Washer	2
5	517126	. Head Weldment	1	58	199938	. Dowel Pin	2
6	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	4	59	198573	. Screw, Soc. Set M12-1.75 x 35 (Dog Point)	4
7	516651	. Cover	1	60	199222	. Nut, Hex. Jam M12-1.75	4
8	517130	. Slide Bar	1	61	320292	. Guide Arm Locking Handwheel	1
9	316803	. Scale	1	62	199266	. Washer, Flat 1/2 S.A.E. Std.	1
10	199396	. Screw, Rd. Hd. Drive #2 x 3/16	3	63	009867	. Gib	2
11	197351	. Grommet Strip	A.R.	64	315839	. Neoprene Shield	1
12	004255	. Spring Pin	1	65	199527	. Screw, Pan Hd. Self-Tapping M5.5 x 13	2
13	1012541	. Label (Machine Data)	1	66	199258	. Washer, Flat #10 S.A.E. Std.	2
15	016684	. Brush	2	67	420485	. Splash Shield Weldment	1
16	320331	. Brush Bracket Weldment	1	68	199578	. Screw, Pan Hd. Mach. M5-0.8 x 8 (Slotted)	2
17	199969	. Screw, Button Hd. Soc. M6-1.0 x 10	2	69	199244	. Washer, Flat M5.	2
18	517145	. Bandwheel (Driver)	1	70	518343	. Transmission Assembly (See Detail)	1
19	1014758	. Drive Assembly (See Detail)	1	71	417804	. Lug	1
20	171912	. Pull Handle	2	72	199900	. Screw, Soc. Hd. Cap M12-1.75 x 30	2
21	198720	. Screw, Pan Hd. Mach. M4-0.7 x 12	4	73	200883	. Spring Pin	2
22	199214	. Nut, Hex. M4 x 0.7	4	74	199053	. Screw, Hex. Hd. Cap M5-0.8 x 10	3
23	199365	. Washer, Lock #8 Shakeproof	4	75	199355	. Washer, Lock #10 Shakeproof	3
24*	1002213M	. Bandwheel Locking Assembly (See Detail)	1	76	415495	. Front Guard	1
25	520259	. R.H. Door Weldment	1	77	415496	. Rear Guard	1
26	199916	. Screw, Soc. Hd. Cap M5-0.8 x 10	5	78	199911	. Screw, Soc. Hd. Cap M10-1.5 x 40	4
27	199258	. Washer, Flat #10 S.A.E. Std.	5	79	199346	. Washer, Lock M10	4
28	197410	. Edge Trim (Black)	A.R.	80	199911	. Screw, Soc. Hd. Cap M10-1.5 x 40	2
29	198385	. Screw, Soc. Hd. Cap 1/2-13NC x 2-1/2	1	81	199346	. Washer, Lock M10	2
30	100090	. Washer, Lock 1/2 Hi-Collar	1				
31	417805M	. R.H. Saw Guide Assembly (See Detail)	1				
32	517142M	. Head Raise Limit Mechanism Assembly (See Detail)	1				
33	417806M	. L.H. Saw Guide Assembly (See Detail)	1				
34	320337M	. Band Anti-Squeal Bearing Assembly (See Detail)	1				
35	199051	. Screw, Soc. Hd. Cap M6-1.0 x 12	2				
36	199965	. Washer, Flat M6	2				
37	322509	. L.H. Blade Guard Weldment	1				
38	199969	. Screw, Button Hd. Soc. M6-1.0 x 10	2				
39	416996	. Drip Lip	1				
40	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	3				
41	520260	. L.H. Door Weldment	1				
42	199916	. Screw, Soc. Hd. Cap M5-0.8 x 10	5				
43	199258	. Washer, Flat #10 S.A.E. Std.	5				
44	197410	. Edge Trim (Black)	A.R.				
45	517098M	. Band Tension Slide Assembly (See Detail)	1				
46	35-005828	. Hardened Washer	3				
47	199934	. Screw, Soc. Hd. Cap M12-1.75 x 80 ...	3				
48	199280	. Washer, Flat M12	3				

Following Not Shown:
143391 . Grease (Union 76 UNOBA EP2) A.R.

*NOTE: #1002213 Is a 7-Bolt Locking Assembly That Replaces the 8-Bolt Locking Assembly.

NEW DRG. S.C.L. 2-1-06
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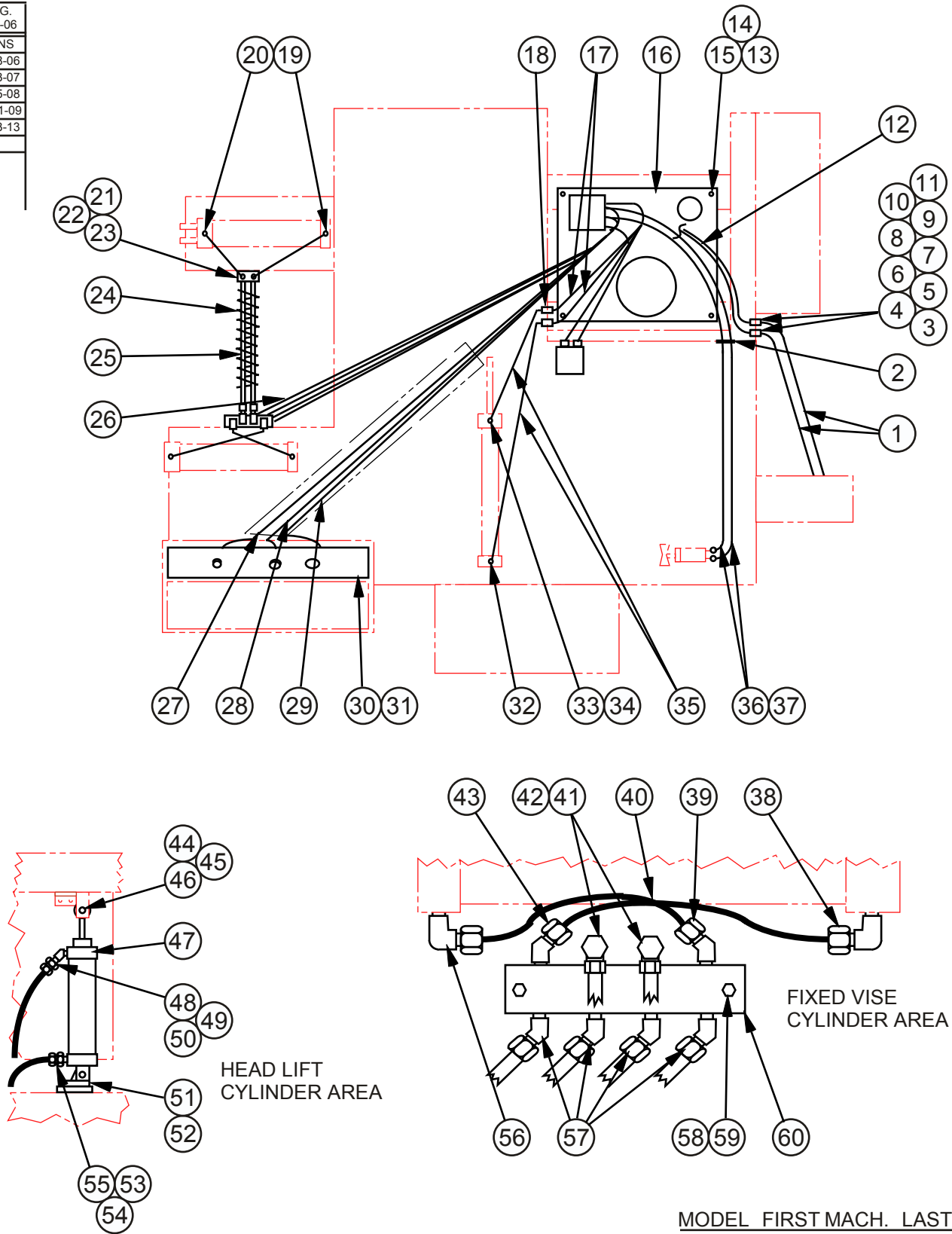
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

HEAD RAISE LIMIT MECHANISM ASSEMBLY

HEAD RAISE LIMIT MECHANISM ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	517142M	Head Raise Limit Mechanism Assembly	
1	207895	. Stop Block	1
2	199916	. Screw, Soc. Hd. Cap M5-0.8 x 10	2
3	418139	. Block	1
4	199981	. Screw, Soc. Hd. Cap M8-1.25 x 30	4
5	204777	. Thumbscrew Assembly	1
	204778	. . Knob	1
	199903	. . Screw, Soc. Hd. Cap M8-1.25 x 20	1
6	320885	. Arm	1
7	199953	. Screw, Flat Hd. Soc. M4-0.7 x 8	2
8	202383	. Adhesive (Loctite 242-31 Threadlock)	A.R.
9	320883	. Blade	1
10	319851	. Mounting Bracket	1
11	199898	. Screw, Soc. Hd. Cap M5-0.8 x 16	3
12	199244	. Washer, Flat M5	3
13	199348	. Washer, Lock M5	3

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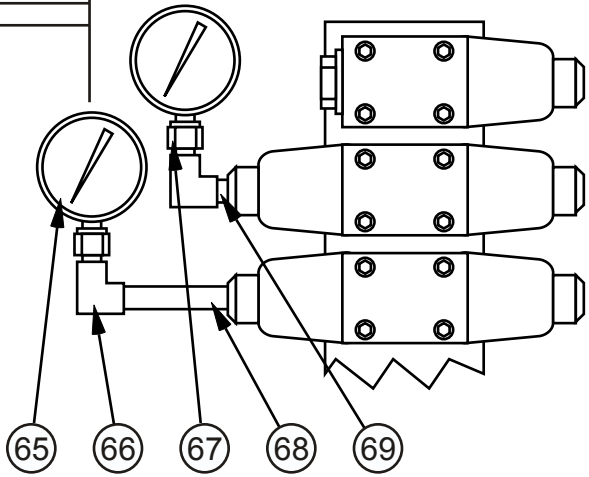
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

HYDRAULIC ASSEMBLY

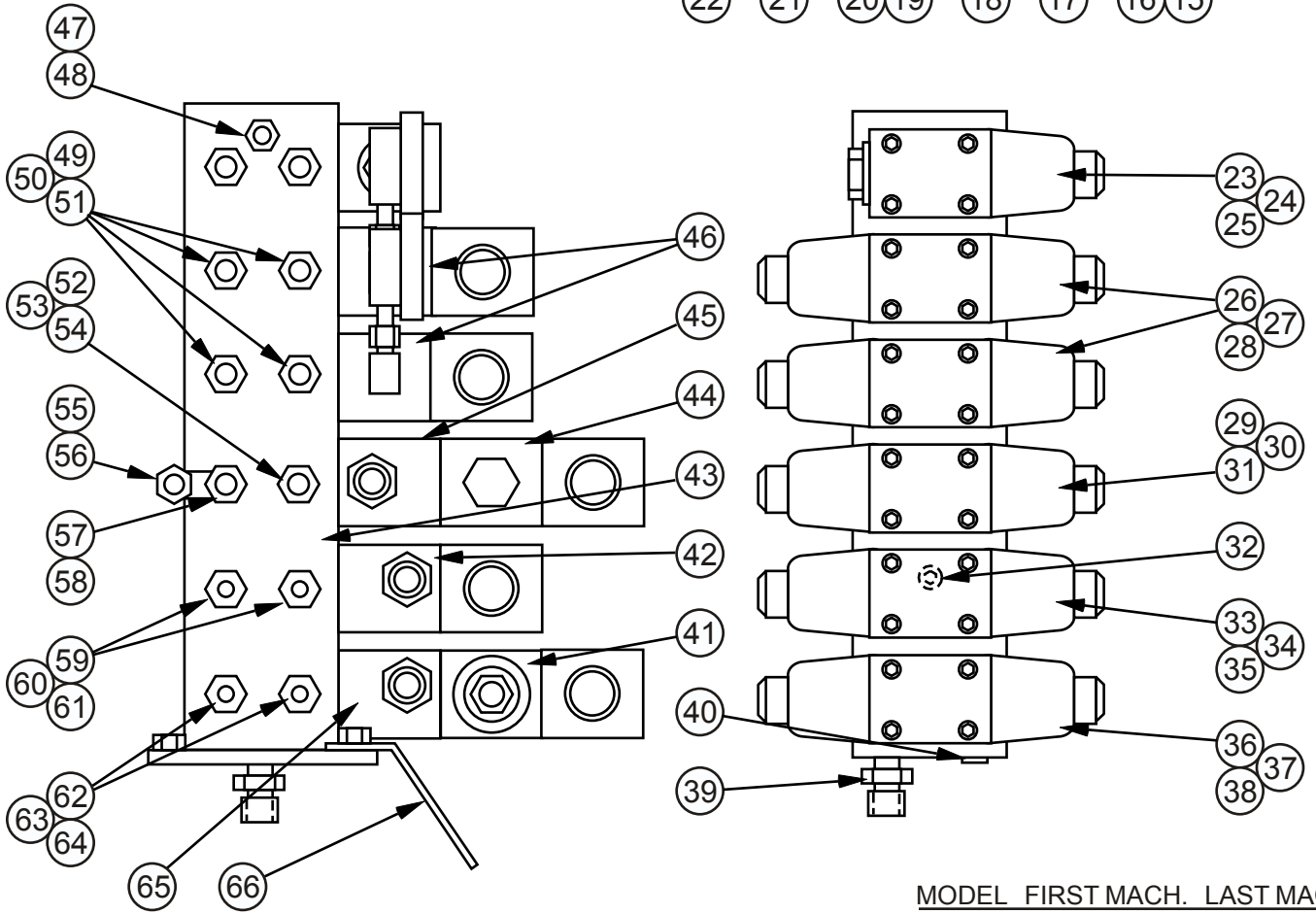
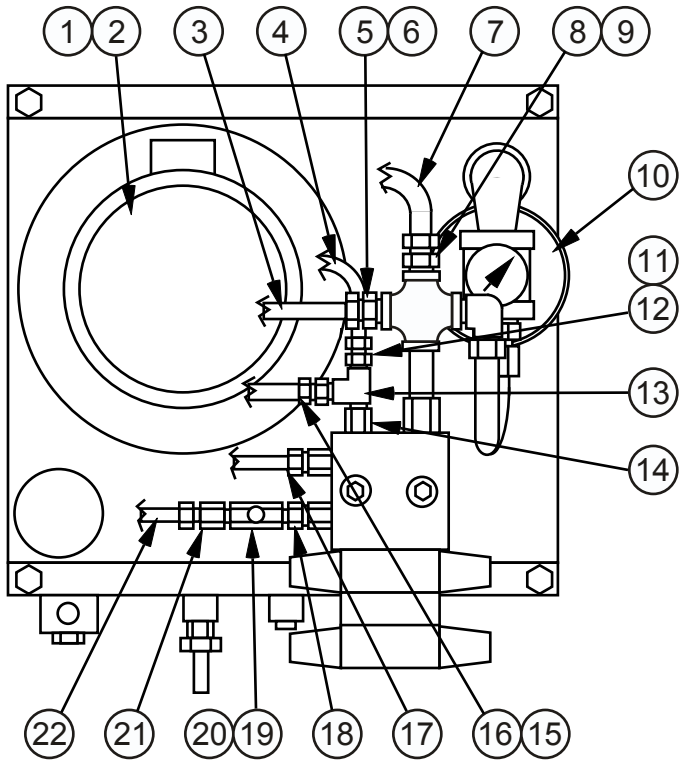
HYDRAULIC ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	417871	Hydraulic Assembly		46	199914	. Screw, Soc. Set M5-0.8 x 10	2
1	020912	. Hydraulic Hose	2	47	202930	. Head Lift Cylinder	1
2	197237	. Grommet Strip 3/16"	A.R.	48	017537	. Reducer Bushing	1
3	008254	. 90° Street Elbow	2	49	015957	. 45° Swivel Adaptor Union	1
4	260426	. Reducer Bushing	2	50	179987	. Hydraulic Hose	1
5	35-002344	. Pipe Nipple	1	51	417607	. Lug	1
6	158827	. Needle Valve	1	52	199896	. Screw, Soc. Hd. Cap M10-1.5 x 25	2
7	14-014528	. Close Nipple	3	53	017537	. Reducer Bushing	1
8	121917	. Coupling (Male)	2	54	008151	. Swivel Adaptor Union	1
9	121932	. Dust Cap	2	55	179985	. Hydraulic Hose	1
10	121918	. Coupling (Female)	2	56	309060	. 90° Male Elbow	1
11	121931	. Dust Cap	2	57	309097	. 45° Male Elbow	4
12	015019	. Hydraulic Hose	2	58	198166	. Screw, Hex. Hd. Cap M6-1.0 x 40	2
13	198161	. Screw, Hex. Hd. Cap M10-1.5 x 20	4	59	199347	. Washer, Lock M6	2
14	199308	. Washer, Flat M10 Wrought	4	60	146779	. Manifold	1
15	199346	. Washer, Lock M10	4				
16	205482	. Hydraulic Power Unit Assembly (C-305NC) (See Detail)	1			Following Not Shown and Located in the Band Tension Cylinder Area:	
	208150	. Hydraulic Power Unit Assembly (C-305A) (See Detail)	1	309005	. Male Connector (Band Tension Cylinder)	1	
17	197265	. Nylon Tubing 3/8 O.D.	A.R.	309095	. 45° Male Elbow (Band Tension Cylinder)	1	
18	309231	. Bulkhead Union	2	197264	. Nylon Tubing 1/4 O.D. (Band Tension Cylinder)	A.R.	
19	017537	. Reducer Bushing	2				
20	008254	. 90° Street Elbow	2				
21	313339	. Double Support	2				
22	198166	. Screw, Hex. Hd. Cap M6-1.0 x 40	1				
23	199347	. Washer, Lock M6	1				
24	197388	. Poly Wire Wrap (1" Black)	A.R.				
25	179986	. Hydraulic Hose	2				
26	197265	. Nylon Tubing 3/8 O.D.	A.R.				
27	206130	. Hydraulic Hose	1				
28	206129	. Hydraulic Hose	1				
29	206129	. Hydraulic Hose	1				
30	206122	. Control Panel Assembly (Hydraulic) (See Detail)	1				
31	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	10				
32	309059	. 90° Male Elbow	1				
33	5-011517	. Reducer Bushing	1				
34	309097	. 45° Male Elbow	1				
35	197265	. Nylon Tubing 3/8 O.D.	A.R.				
36	018676	. Hydraulic Hose	2				
37	008151	. Swivel Adaptor Union	2				
38	309060	. 90° Male Elbow	1				
39	309097	. 45° Male Elbow	1				
40	197265	. Nylon Tubing 3/8 O.D.	A.R.				
41	008254	. 90° Street Elbow	2				
42	016259	. 90° Swivel Adaptor Union	2				
43	309097	. 45° Male Elbow	1				
44	176733	. Self-Aligning Rod End	1				
45	177014	. Pin	1				

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VARIABLE VISE PRESSURE OPTION



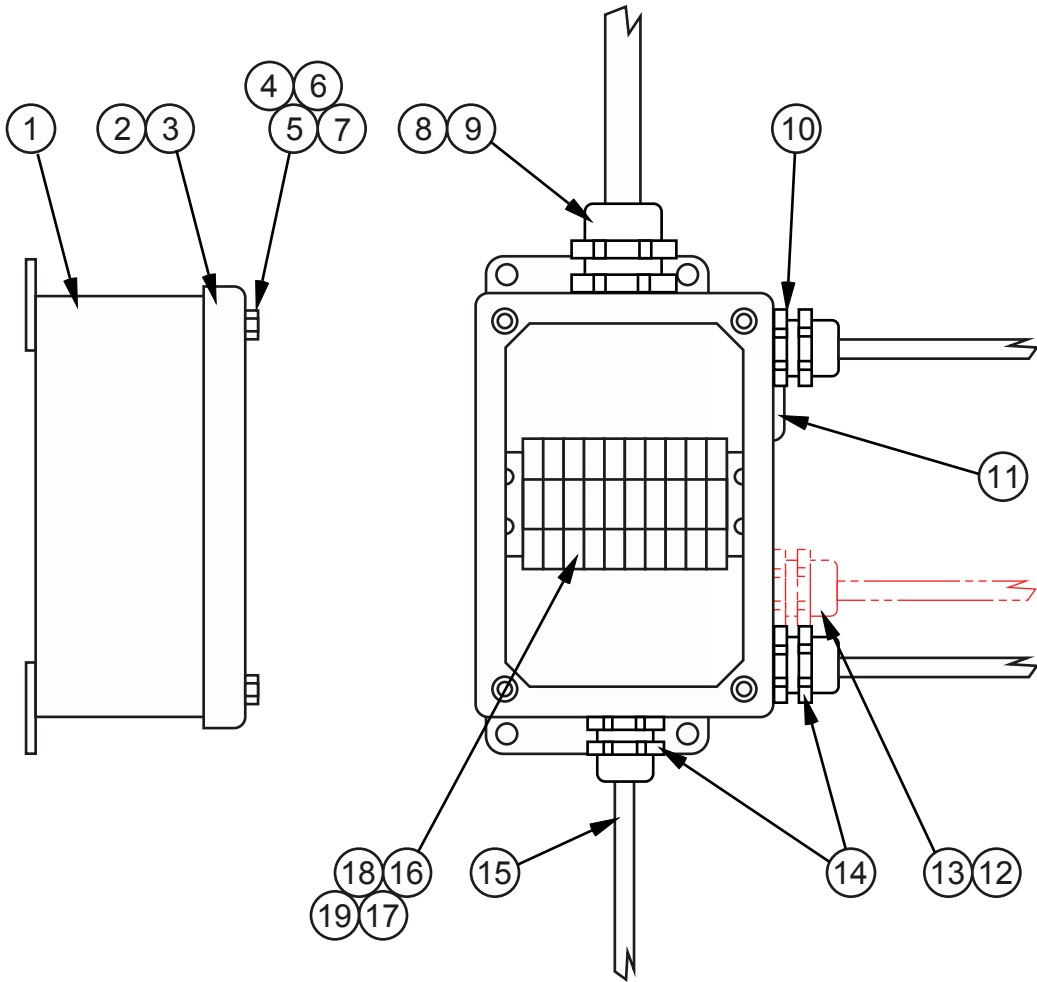
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305A	607-13101	

HYDRAULIC POWER UNIT ASSEMBLY

HYDRAULIC POWER UNIT ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	208150	Hydraulic Power Unit Assembly		46	201637	. Pressure Reducing Valve (Variable Vise Pressure Option)	2
Ref.	417871	Hydraulic Assembly		47	200567	. Test Port	1
1	416217	. Electric Motor (All Voltages)	1	48	202198	. Dust Cap	1
	205642	. Motor Terminal Block (400V Only)	1	49	204249	. Female Pipe Adaptor	4
2	256349	. Hydraulic Pump	1	50	309012	. Male Connector	4
3	206129	. Hydraulic Hose	1	51	197265	. Nylon Tubing 3/8 O.D.	A.R.
4	015019	. Hydraulic Hose	1	52	204249	. Female Pipe Adaptor	1
5	017537	. Reducer Bushing	1	53	016607	. Swivel Adaptor Union	1
6	016607	. Swivel Adaptor Union	1	54	179987	. Hydraulic Hose	1
7	015019	. Hydraulic Hose	1	55	5-011517	. Reducer Bushing	1
8	114878	. Reducer Bushing	1	56	206130	. Hydraulic Hose	1
9	016607	. Swivel Adaptor Union	1	57	016607	. Swivel Adaptor Union	1
10		. Oil Filter (Fleet Guard HH-6928)	1	58	179985	. Hydraulic Hose	1
	204469	. Filter Element	1	59	204248	. Female Pipe Adaptor	2
11	134352	. Reducer Bushing	1	60	309010	. Male Connector	2
12	016607	. Swivel Adaptor Union	1	61	197265	. Nylon Tubing 3/8 O.D.	A.R.
13	133542	. Service Tee	1	62	204249	. Female Pipe Adaptor	2
14	203605	. Pipe Adaptor	1	63	309012	. Male Connector	2
15	5-011517	. Reducer Bushing	1	64	197265	. Nylon Tubing 3/8 O.D.	A.R.
16	206129	. Hydraulic Hose	1	65	265462	. Check Valve (Pilot Operated)	1
17	018676	. Hydraulic Hose	1	66	319107	. Cord Support	1
18	260426	. Reducer Bushing	2				
19	158827	. Needle Valve	1		Not Shown:		
20	14-014528	. Close Nipple	1		256349	. Hydraulic Pump	1
21	203605	. Pipe Adaptor	1				
22	018676	. Hydraulic Hose	1				
23	1006387	. Directional Control Valve	1		For Variable Vise Pressure Option:		
24	198225	. Screw, Soc. Hd. Cap #10-24NC x 1	4	67	202393	. Gauge	2
25	012144	. Washer, Lock #10 Hi-Collar	4	68	120905	. 90° Elbow (Brass)	2
26	1003595	. Directional Control Valve	2	69	111543	. Pressure Snubber	2
27	198225	. Screw, Soc. Hd. Cap #10-24NC x 1 (Standard)	8	70	35-001530	. Pipe Nipple	1
	199706	. Screw, Soc. Hd. Cap #10-24NC x 2-3/4 (Variable Vise Pressure Option)	8	71	013808	. Pipe Nipple	1
28	012144	. Washer, Lock #10 Hi-Collar	8				
29	1003596	. Directional Control Valve	1				
30	601914	. Screw, Soc. Hd. Cap #10-24NC x 4-1/24					
31	012144	. Washer, Lock #10 Hi-Collar	4				
32	178942	. Orifice (.025 Dia.)	1				
33	1003595	. Directional Control Valve	1				
34	199658	. Screw, Soc. Hd. Cap #10-24NC x 2-1/2	4				
35	012144	. Washer, Lock #10 Hi-Collar	4				
36	1003596	. Directional Control Valve	1				
37	601914	. Screw, Soc. Hd. Cap #10-24NC x 4-1/24					
38	012144	. Washer, Lock #10 Hi-Collar	4				
39	176704	. Male Connector	1				
40	113737	. Pipe Plug	1				
41	260677	. Solenoid Valve and Manifold Assembly	1				
42	265481	. Relief Valve (Pilot Operated)	1				
43	416354	. Valve Manifold	1				
44	179565	. Check Valve (Pilot Operated)	1				
45	1001808	. Flow Control Valve	1				

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S.C.L. 7-23-13



MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

INDEX JUNCTION BOX ASSEMBLY

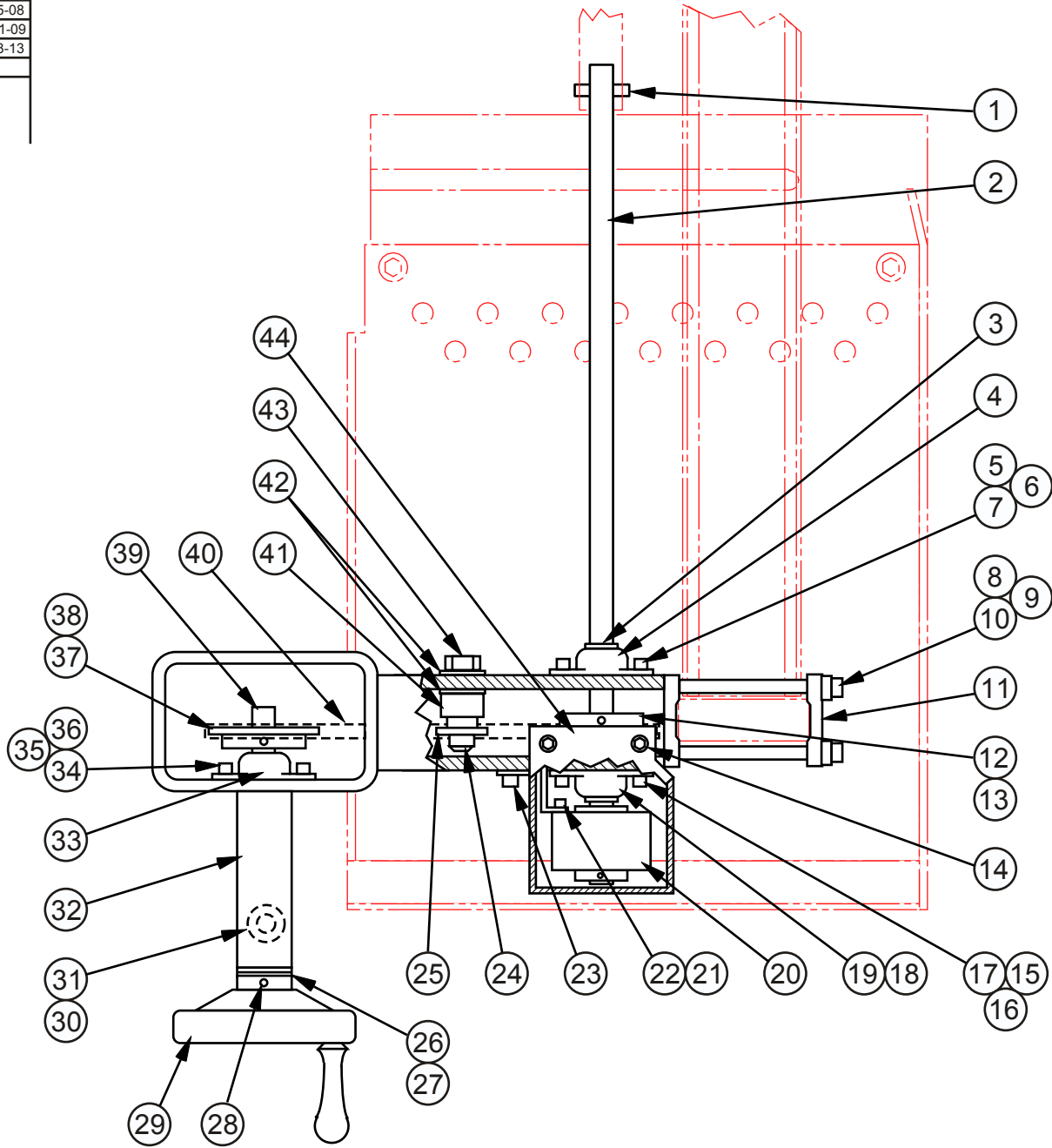
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INDEX JUNCTION BOX ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	520210	Index Junction Box Assembly (C-305A)	
Ref.	519953	Index Junction Box Assembly (C-305NC)	
1	519719	. Junction Box	1
2	419840	. Box Cover	1
3	203925	. Gasket Strip	A.R.
4	199442	. Screw, Hex. Hd. Cap M5-0.7 x 20	4
5	204152	. Nylon Washer	4
6	207171	. Nut, Rivet M5-0.7	4
7	204150	. Retainer	4
8	201696	. Cord Grip Connector (.394-.551)	1
9	197436	. Electrical Cord (#18-8 Conductor)	A.R.
10	201686	. Cord Grip Connector (.157-.314)	1
11	135106	. Hole Seal	2
12	201686	. Cord Grip Connector (.157-.314) (Nesting Fixture Option)	1
13	200752	. Cable Assembly (Nesting Fixture Option)	1
14	201686	. Cord Grip Connector (.157-.314)	2
15	215219	. Cable (Quick Disconnect)	1
16	209033	. Terminal Block (Blue)	10
17	209034	. End Section	2
18	200618	. End Stop	2
19	202922	. Jumper Bar (C-305A Only)	1
Following Not Shown:			
	176528	. Label (Electrical Hazard)	1

NEW DRG.
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MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305A	607-13101	

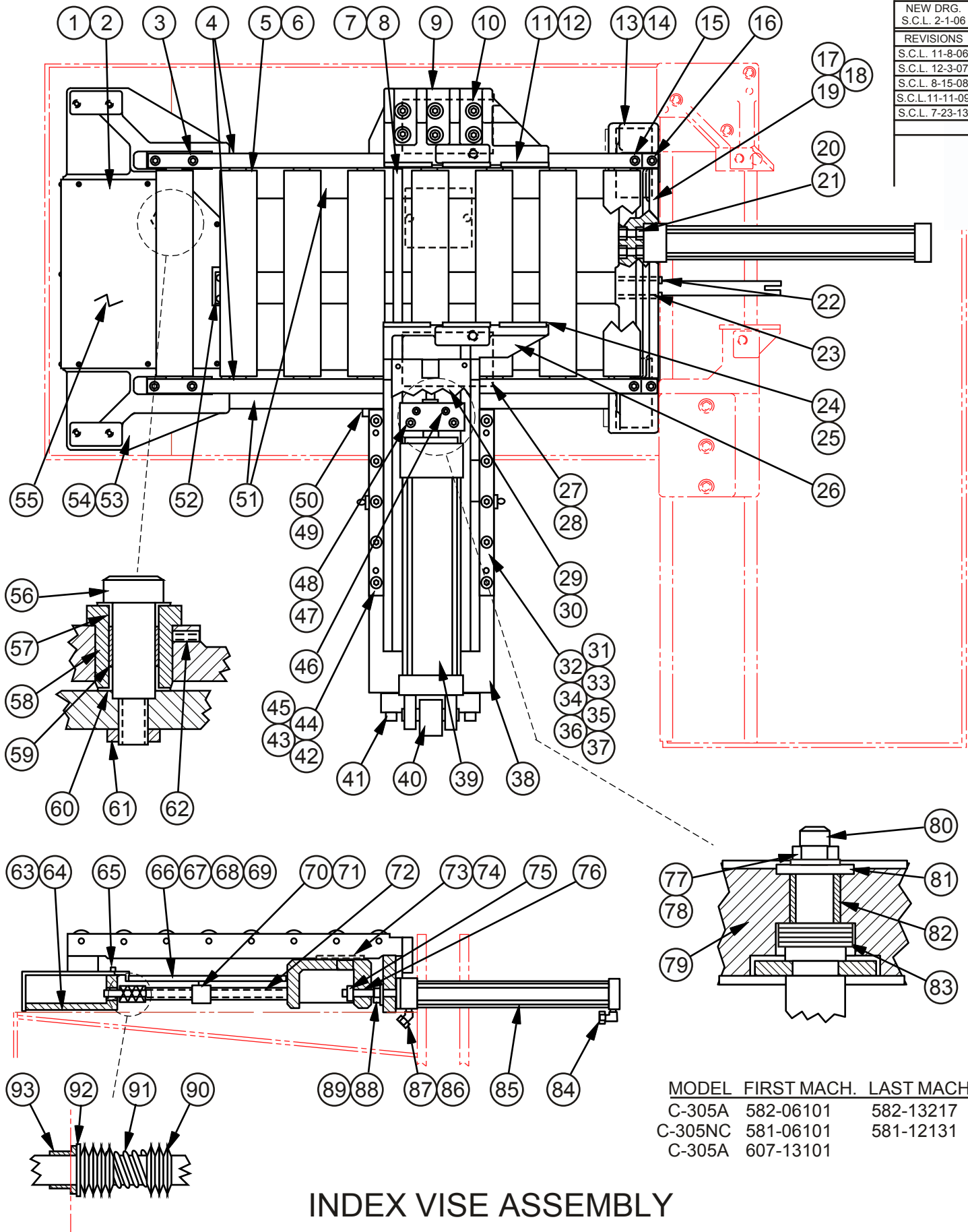
INDEX LENGTH SETTING MECHANISM ASSEMBLY

INDEX LENGTH SETTING MECHANISM ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	208707	Index Length Setting Mechanism Assembly	
1	133875	. Dowel Pin	1
2	320245	. Shaft	1
3	133431	. Retaining Ring	1
4	142408	. Flange Bearing	1
5	199051	. Screw, Soc. Hd. Cap M6-1.0 x 12	2
6	199347	. Washer, Lock M6	2
7	199965	. Washer, Flat M6	2
8	319309	. Clamp Plate	1
9	199725	. Screw, Soc. Hd. Cap M8-1.25 x 100	2
10	122205	. Collar	2
11	202383	. Adhesive (Loctite #242-31 Threadlock)	A.R.
12	153319	. Sprocket	1
13	004248	. Spring Pin	1
14	199051	. Screw, Soc. Hd. Cap M6-1.0 x 12	2
15	199051	. Screw, Soc. Hd. Cap M6-1.0 x 12	2
16	199347	. Washer, Lock M6	2
17	199965	. Washer, Flat M6	2
18	142408	. Flange Bearing	1
19	133431	. Retaining Ring	1
20*	223597	. Encoder	1
21*	205827	. Bracket	1
22	198200	. Screw, Soc. Hd. Cap #4-40NC x 1/4	1
23	199051	. Screw, Soc. Hd. Cap M6-1.0 x 12	1
24	176374	. Screw, Soc. Hd. Shoulder 3/8-16NC x 1 (1/2 Dia.)	1
25	142865	. Sprocket	1
26	199266	. Washer, Flat 1/2 S.A.E. Std.	2
27	004070	. Sleeve Bearing	1
28	004248	. Spring Pin	1
29	136766	. Handwheel	1
30	209827	. Shaft	1
31	176405	. Knob	1
32	516124	. Housing Weldment	1
33	142408	. Flange Bearing	1
34	199970	. Screw, Soc. Hd. Cap M6-1.0 x 12 (Low Head)	2
35	199347	. Washer, Lock M6	2
36	199965	. Washer, Flat M6	2
37	153319	. Sprocket	1
38	004248	. Spring Pin	1
39	208149	. Shaft	1
40	176691	. Roller Chain	1
41	34-005410	. Set Screw Collar	1
42	105116	. Hardened Washer	2
43	199127	. Nut, Hex. Jam 3/8-16NC	1
44	325413	. Cover (If Supplied)	1
	219308	. Quick Disconnect Cable (Not Shown)	1

*NOTE: Before Serial #582-06112, Order #223608 - Encoder Service Kit for Any of the Items Marked.

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S.C.L. 8-15-08
S.C.L. 11-11-09
S.C.L. 7-23-13

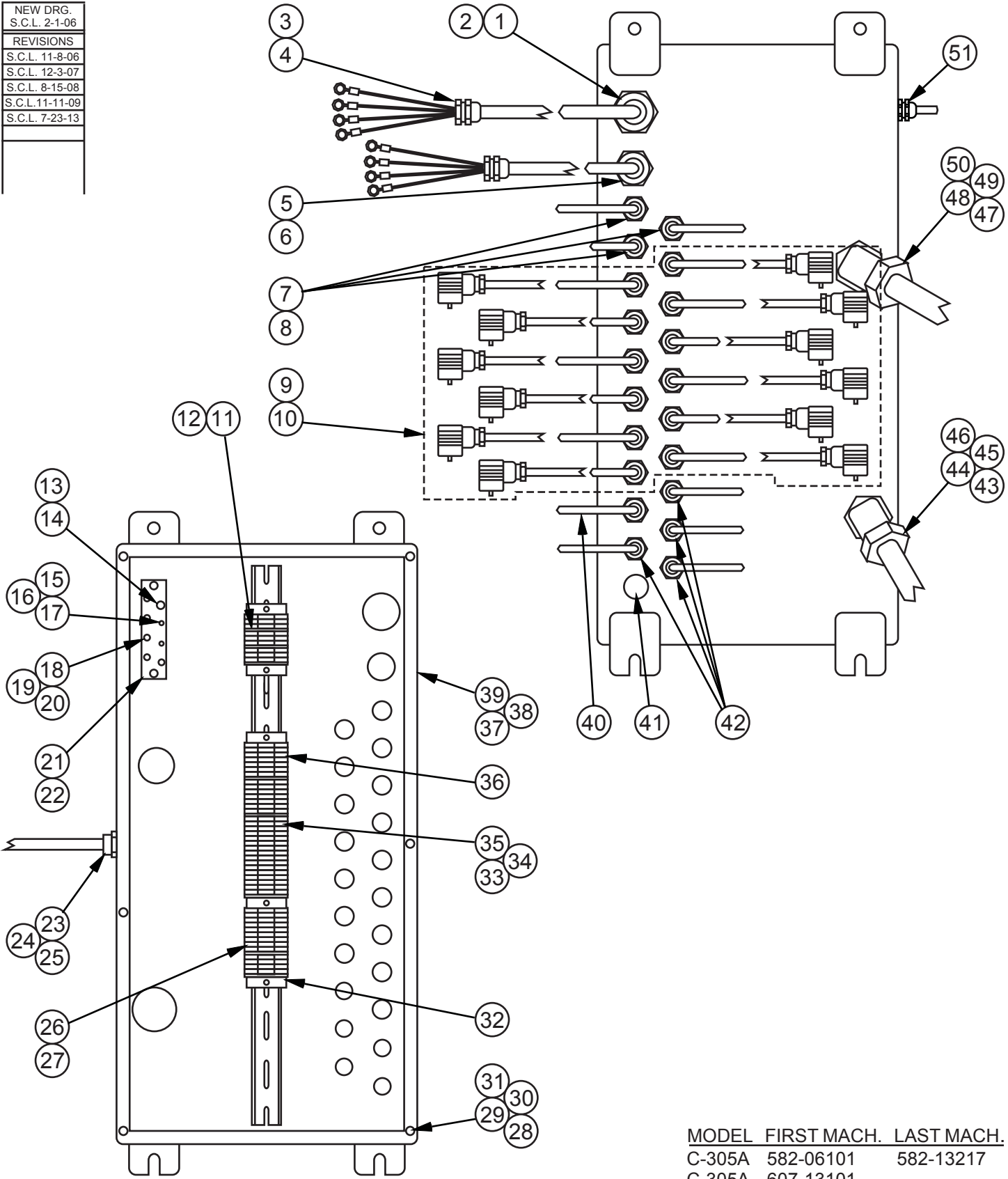


INDEX VISE ASSEMBLY

INDEX VISE ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	211955	Index Vise Assembly (C-305A)		51	320332	. Way Bar	2
Ref.	212573	Index Vise Assembly (C-305NC)		52	199898	. Screw, Soc. Hd. Cap M5-0.8 x 16 (C-305A Only)	2
1	516578	. Cover (C-305A)	1	53	516862	. Yoke	1
	517983	. Cover (C-305NC)	1	54	199901	. Screw, Soc. Hd. Cap M12-1.75 x 110 ..	2
2	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	9	55	517984	. Linear Encoder Assembly (C-305NC) (See Detail)	1
3	199847	. Screw, Soc. Hd. Cap M10-1.5 x 70	4		517215	. Multiple Index Kerf Compensator Assembly (C-305A) (See Detail)	1
4	518836	. Rail	2	56	202607	. Screw, Soc. Hd. Shoulder 7/8-9NC x 2-3/4 (1-7/32 Dia)	1
5	319985	. Roller	8	57	202606	. DU Thrust Washer	1
6	205182	. Sleeve Bearing	16	58	319260	. Eccentric Bushing	1
7	319988	. Tie Bar	1	59	202605	. DU Bearing	1
8	199680	. Screw, Soc. Hd. Cap M10-1.5 x 30	2	60	202606	. DU Thrust Washer	1
9	516869	. Fixed Jaw	1	61	017373	. Self-Locking Nut 7/8-9NC	1
10	199978	. Screw, Soc. Hd. Cap M16-2.0 x 55	6	62	205186	. Screw, Soc. Set M8-1.25 x 20	1
11	319681	. Wear Plate (Steel)	3	63	202400	. Bearing Pad	2
	320276	. Wear Plate (Urethane)	3	64	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	4
	419448	. Wear Plate (Serrated)	3	65	199898	. Screw, Soc. Hd. Cap M5-0.8 x 16	2
12	199905	. Screw, Flat Hd. Soc. M6-1.0 x 16	12	66	417326	. Guide Rail Weldment/Cover (C-305A Only)	1
13	202400	. Bearing Pad	2	67	199756	. Screw, Soc. Hd. Cap M6-1.0 x 70	2
14	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	4	68	199258	. Washer, Flat #10 S.A.E. Std.	2
15	199847	. Screw, Soc. Hd. Cap M10-1.5 x 70	4	69	199355	. Washer, Lock #10 Shakeproof	2
16	199287	. Screw, Soc. Hd. Cap M10-1.5 x 60	2	70	202344	. Lead Screw Nut (C-305A Only)	1
17	516863	. Crosshead	1	71	202345	. Pin (C-305A Only)	1
18	205184	. Dowel Pin	1	72	319205	. Lead Screw (C-305A Only)	1
19	199900	. Screw, Soc. Hd. Cap M12-1.75 x 30 (Way Bars)	2	73	320733	. Cover (Index Vise Weldment)	1
	199125	. Nut, Hex. Jam 5/16-24NF	4	74	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	2
21	001993	. Washer, Lock 5/16 Hi-Collar	4	75	176247	. Collar	1
22	126443	. Retaining Ring (C-305A Only)	1	76	200929	. Stud	1
23	171954	. DU Bushing (C-305A Only)	1	77	012705	. Self-Locking Nut 1/2-13NC	1
24	319681	. Wear Plate (Steel)	3	78	206693	. Spacer	1
	419448	. Wear Plate (Serrated)	3	79	417602	. Bearing Block	1
25	199905	. Screw, Flat Hd. Soc. M6-1.0 x 16	12	80	322345	. Shaft Extension	1
26	516870	. Movable Jaw	1	81	199266	. Washer, Flat 1/2 S.A.E. Std.	1
27	319987	. Bearing Pad	2	82	005123	. Sleeve Bearing	1
28	199982	. Screw, Flat Hd. Soc. M5-0.8 x 10	4	83	124654	. Belleville Washer	5
29	320731	. Cover	1	84	309059	. 90° Male Elbow	1
30	199974	. Screw, Button Hd. Soc. M5-0.8 x 10	2	85	316937	. Index Feed Cylinder	1
31	418482	. Gib	1	86	309097	. 45° Male Elbow	1
32	199919	. Screw, Soc. Hd. Cap M10-1.5 x 35	5	87	5-011517	. Reducer Bushing	1
33	204913	. Dowel Pin	2	88	199142	. Nut, Hex. Jam 3/4-16NF	1
34	321280	. Guide Bar	1	89	199268	. Washer, Flat 3/4 S.A.E. Std.	1
35	108349	. Screw, Soc. Set 5/16-18NC x 1 (Self-Locking)	4	90	174649	. Belleville Washer (C-305A Only)	14
36	35-001775	. Grease Fitting	1	91	174249	. Compression Spring (C-305A Only)	1
37	209126	. Tube	1	92	173816	. Spacer (C-305A Only)	1
38	517445	. Index Vise Base Weldment	1	93	168984	. Ball Bearing (C-305A Only)	1
39	319925	. Index Vise Clamp Cylinder	1	Following Not Shown:			
40	417912	. Lug	1	133338	. Spacer (.005)	A.R.	
41	199918	. Screw, Soc. Hd. Cap M12-1.75 x 45 ...	4	133339	. Spacer (.010)	A.R.	
42	417501	. Gib	1	133340	. Spacer (.029)	A.R.	
43	199919	. Screw, Soc. Hd. Cap M10-1.5 x 35	5				
44	204913	. Dowel Pin	2				
45	35-009473	. Grease Fitting	1				
46	205187	. Screw, Soc. Hd. Shoulder M10-1.5 x 70 (12 mm)	2				
47	199934	. Screw, Soc. Hd. Cap M12-1.75 x 80 ...	2				
48	205188	. Washer, Lock M12 Hi-Collar	2				
49	168866	. DU Bushing	4				
50	171953	. Rod Wiper	4				

NEW DRG.	S.C.L. 2-1-06
REVISIONS	
S.C.L. 11-8-06	
S.C.L. 12-3-07	
S.C.L. 8-15-08	
S.C.L. 11-11-09	
S.C.L. 7-23-13	



COVER REMOVED

MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305A	607-13101	

JUNCTION BOX ASSEMBLY

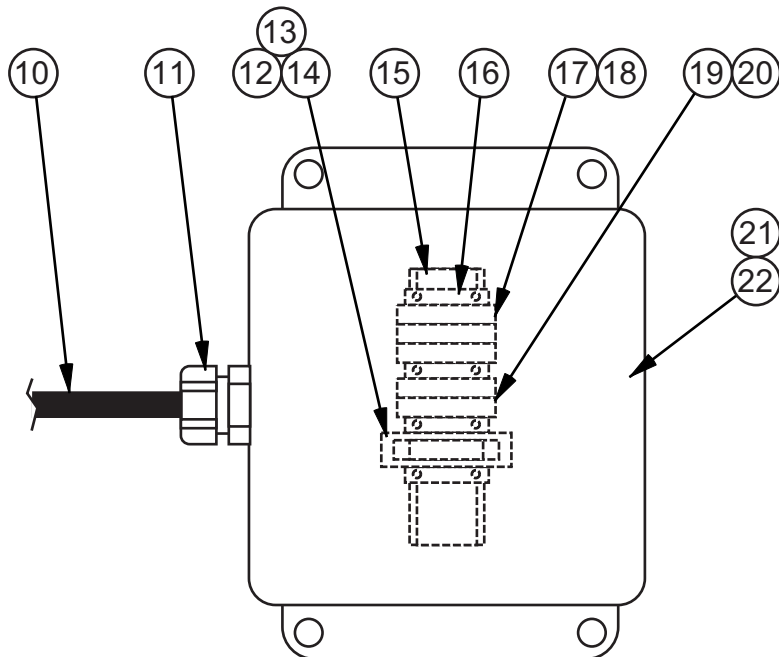
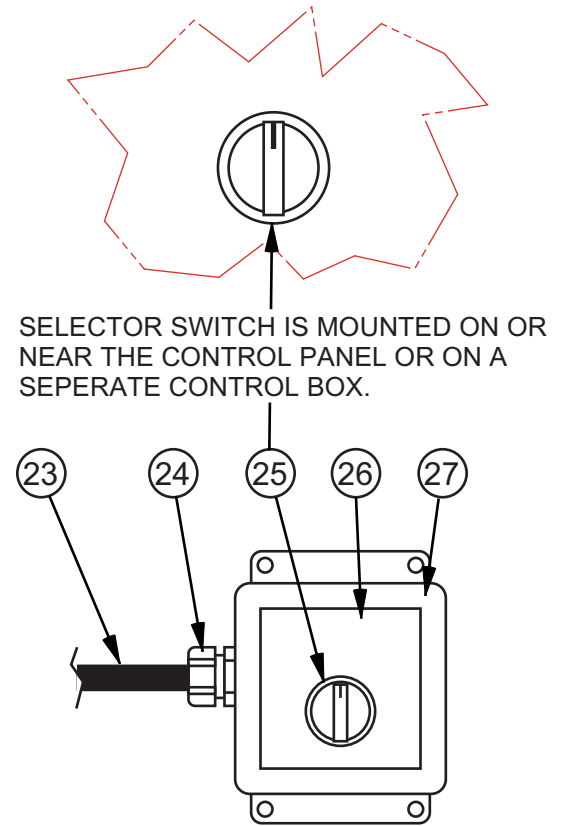
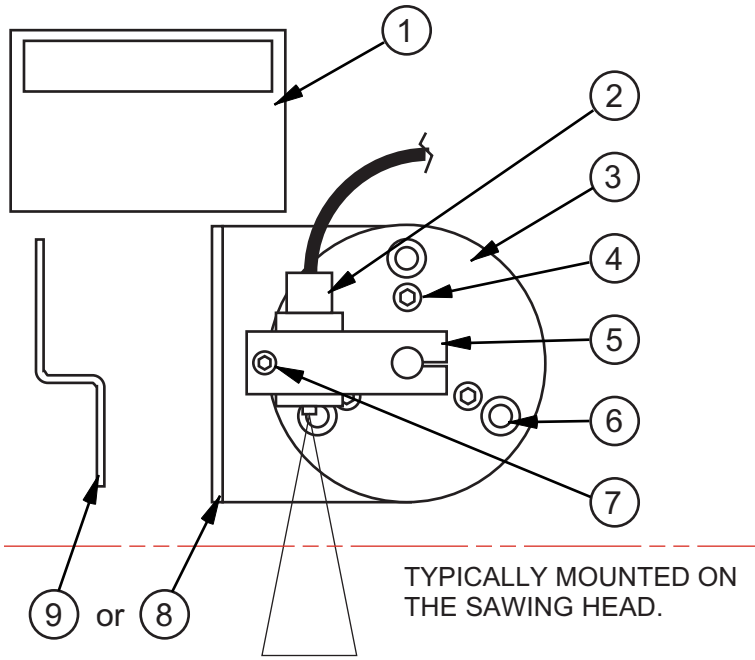
JUNCTION BOX ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	520212	Junction Box Assembly	
1	202900	. Cord Grip Connector (.545-.709)	1
2	197428	. Electrical Cord (#10-4 Conductor)	A.R.
3	003154	. Cord Grip Connector (.625-.750)	2
4	014480	. Flange Washer	2
5	201687	. Cord Grip Connector (.545-.709)	1
6	197223	. Electrical Cord (#12-4 Conductor)	A.R.
7	201688	. Cord Grip Connector (.200-.394)	3
8	197332	. Electrical Cord (#18-2 Conductor)	A.R.
9	201688	. Cord Grip Connector (.200-.394)	12
10	219450	. Solenoid DIN Connector	12
11	200615	. Terminal Block (Gray)	9
12	200617	. End Section	3
13	198960	. Screw, Pan Hd. Slotted M6-1.0 x 10	1
14	199311	. Washer, Lock M6 Shakeproof	1
15	199408	. Screw, Pan Hd. Slotted M4-0.7 x 10	2
16	199248	. Washer, Flat M4	2
17	199365	. Washer, Lock #8 Shakeproof	2
18	199578	. Screw, Pan Hd. Slotted M5-0.8 x 8	5
19	199244	. Washer, Flat M5	5
20	199355	. Washer, Lock #10 Shakeproof	5
21	320740	. Grounding Bus	1
22	198962	. Screw, Pan Hd. Slotted M6-1.0 x 16	2
23	014545	. Sealrite Connector	1
24	014411	. Flange Washer	1
25	197156	. Sealrite Conduit 1/2 I.D.	A.R.
26	209033	. Terminal Block (Blue)	12
27	209034	. End Section	2
28	199442	. Screw, Hex. Hd. Cap M5-0.8 x 20	6
29	204152	. Nylon Washer	6
30	204150	. Retainer	6
31	207171	. Nut, Rivet M5-0.8	6
32	200618	. End Stop	5
33	200615	. Terminal Block (Gray)	23
34	200617	. End Section	3
35	202922	. Jumper Bar	1
36	222284	. Terminal Block (Yellow)	7
37	519949	. Junction Box	1
38	420120	. Box Cover	1
39	203925	. Gasket Strip	A.R.
40	197332	. Electrical Cord (#18-2 Conductor)	A.R.
41	135106	. Hole Seal	1
42	201686	. Cord Grip Connector (.157-.314)	4
43	014691	. 45° Sealrite Connector	1
44	014694	. Flange Washer	1
45	015752	. Insulated Bushing	1
46	197160	. Sealrite Conduit 1-1/4 I.D.	A.R.
47	014688	. 45° Sealrite Connector	1
48	014687	. Flange Washer	1
49	015751	. Insulated Bushing	1
50	197159	. Sealrite Conduit 1" I.D.	A.R.
51	201686	. Cord Grip Connector (.157-.314)	1

Following Not Shown:

197339	. Wire, #14 Black (19 Strand)	A.R.
197195	. Wire, #14 Green/Yellow(19 Strand)	A.R.
013742	. Wire Terminal Ring (16-10 AWG)	10
007635	. Wire Terminal Ring (16-14 AWG)	5
176528	. Label (Electrical Hazard)	1

NEW DRG.
S.C.L. 5-29-00
REVISIONS
S.C.L. 1-15-98
S.C.L. 1-25-05
S.C.L. 11-8-06



THIS A TYPICAL SET-UP OF THE LASER. SOME PARTS MAY OR MAY NOT APPLY TO YOUR MACHINE.

LASER LINE GENERATOR ASSEMBLY

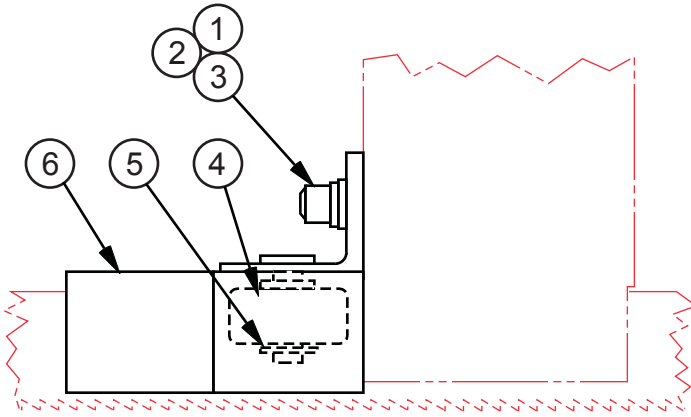
LASER LINE GENERATOR ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.		Laser Line Generator Assembly	
1	212884	. Label (Caution - Laser)	1
2	212111	. Laser (.67 Dia.)	1
	214973	. Laser (.75 Dia.)	1
	220913	. Laser (Square)	1
3	213129	. Plate Weldment	1
4	199431	. Screw, Soc. Set M5-0.8 x 16 (Dog Pt.)	3
5	322650	. Holder	1
6	199993	. Screw, Soc. Hd. Cap M6-1.0 x 20	3
7	199966	. Screw, Soc. Hd. Cap M6-1.0 x 16	2
8	216192	. Mounting Bracket (TF-2025 Series)	1
	323646	. Mounting Bracket Weldment (C-305 Series)	1
9	221012	. Mounting Bracket	1
10	197332	. Electrical Cord (#18-2 Conductor)	A.R.
	209820	. Electrical Cord (#24-4 Conductor)	A.R.
11	201686	. Cord Grip Connector (.157-.314)	1
	201688	. Cord Grip Connector (.200-.394)	1
12	202909	. Fuse Holder	1
13	201477	. End Section	1
14	211977	. Fuse (2 Amp)	1
15	169674	. Mounting Channel	A.R.
16	200618	. End Stop	4
17	200615	. Terminal Block	3
18	200617	. End Section	1
19	209033	. Terminal Block	3
20	209034	. End Section	1
21	134966	. Junction Box (10 x 8 x 4)	1
	012180	. Junction Box (12 x 10 x 5)	1
	136047	. Junction Box (6 x 6 x 4)	1
22	134967	. Panel (For 10 x 8 x 4 Box)	1
	136386	. Panel (For 12 x 10 x 5 Box)	1
	220923	. Panel (For 6 x 6 x 4 Box)	1
23	197332	. Electrical Cord (#18-2 Conductor)	A.R.
	209820	. Electrical Cord (#24-4 Conductor)	A.R.
24	201686	. Cord Grip Connector (.157-.314)	1
	201688	. Cord Grip Connector (.200-.394)	1
25	211111	. Selector Switch Assembly (2 Position)	1
26	217700	. Escutcheon (Laser)	1
27	002992	. Junction Box (4 x 4 x 2)	1
	208075	. Pushbutton Box	1

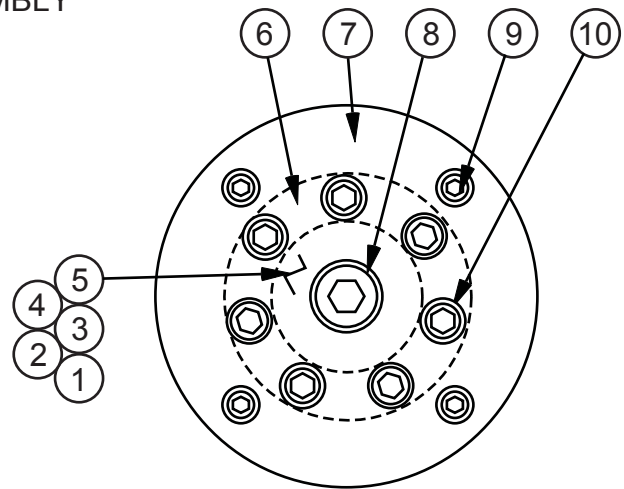
Following Not Shown:

201450	. Power Supply	1
202922	. Jumper Bar	1
207752	. Cable Tie Mount	4
197325	. Wire, #16 White (19 Strand)	A.R.
197197	. Wire, #16 Red (19 Strand)	A.R.
215909	. Field Alignment and Adjustment Summary (Laser Installation)	1

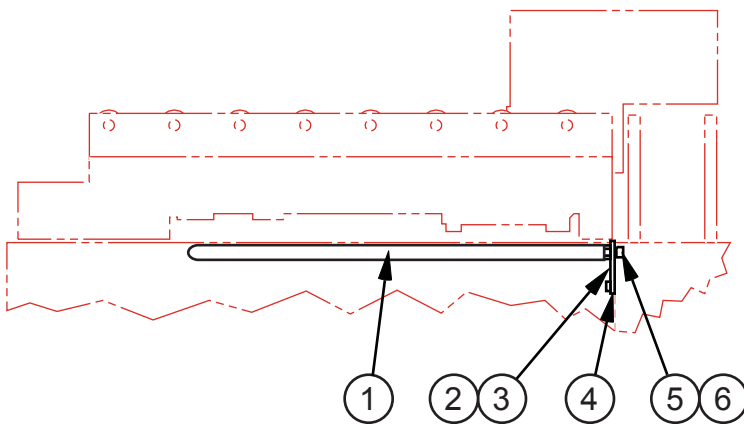
NEW DRG.
S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L. 7-23-13



BAND ANTI-SQUEAL BEARING ASSEMBLY



BANDWHEEL LOCKING ASSEMBLY



INDEX GUARD RAIL ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

MISCELLANEOUS ASSEMBLIES

MISCELLANEOUS ASSEMBLIES

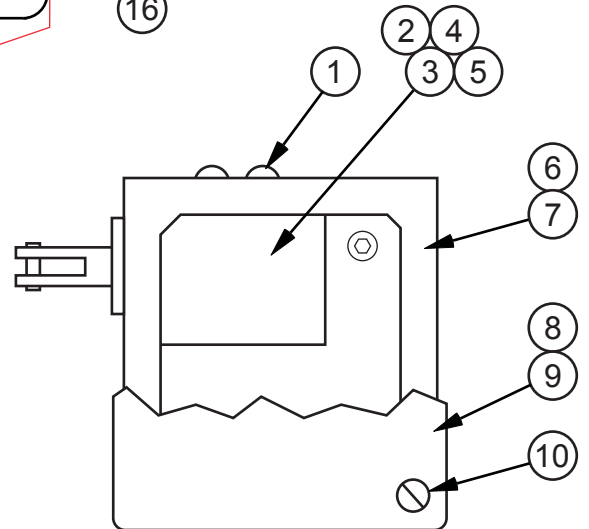
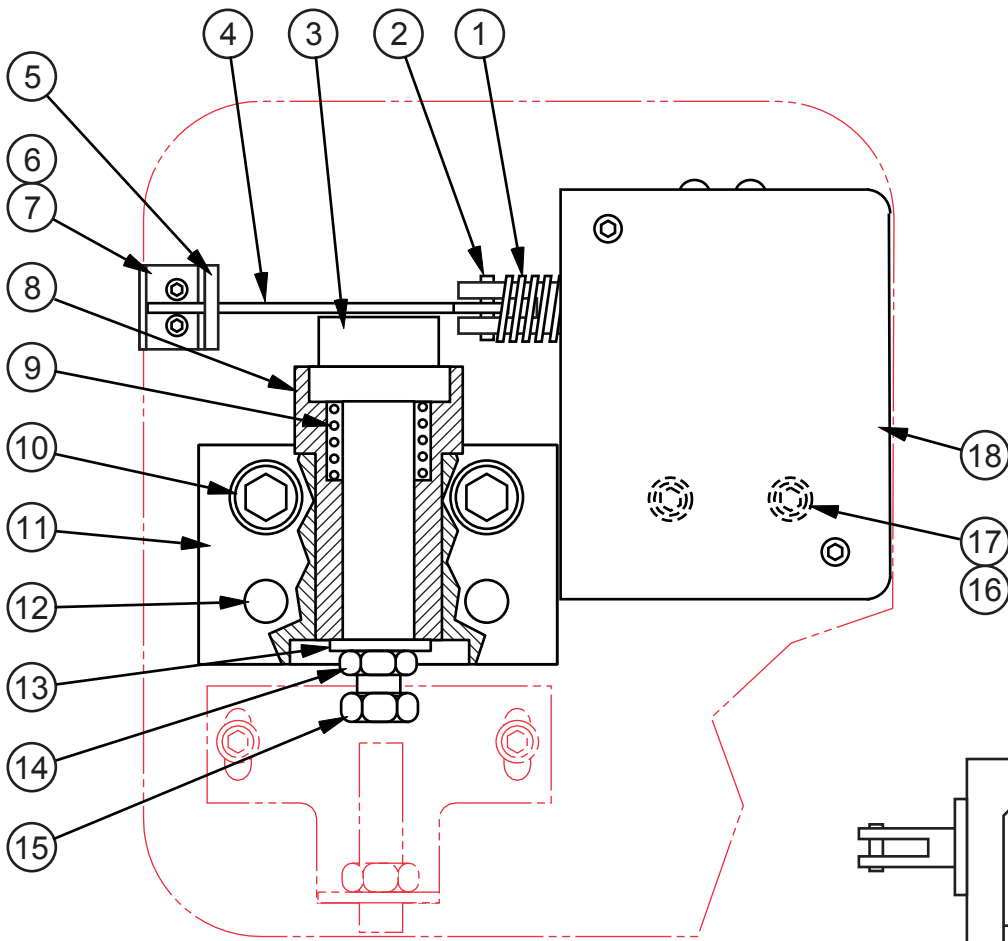
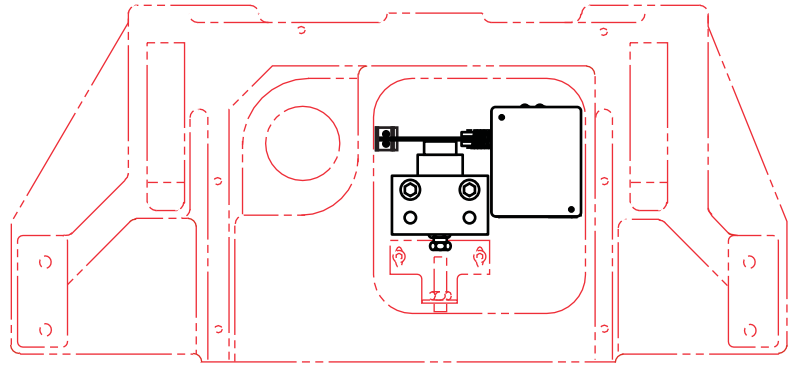
INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	320337M	Band Anti-Squeal Bearing Assembly	
1	199966	. Screw, Soc. Hd. Cap M6-1.0 x 16	2
2	199347	. Washer, Lock M6	2
3	199965	. Washer, Flat 1/4 M6	2
4	109248	. Ball Bearing	1
5	011541	. Retaining Ring	1
6	313727	. Bracket Weldment	1

Ref.*	1002213M	Bandwheel Locking Assembly (7-Bolt)	
1	111556	. Shim (.002)	A.R.
2	111552	. Shim (.003)	A.R.
3	111553	. Shim (.005)	A.R.
4	111554	. Shim (.008)	A.R.
5	111555	. Shim (.0149)	A.R.
6*	1002206	. Locking Assembly (7-Bolt) (Includes Item #10 Also)	1
7*	1002205	. Cap (7-Bolt)	1
8	199055	. Screw, Flat Hd. Soc. M12-1.75 x 30	1
9	199946	. Screw, Soc. Hd. Cap M8-1.25 x 20 (Low Head)	4
10	199926	. Screw, Soc. Hd. Cap M8-1.25 x 25	7 or 8

*NOTE: 8-Bolt Locking Assembly No Longer Available. Order Complete 7-Bolt Locking Assembly.

Ref.	206389	Index Guard Rail Assembly	
1	320460	. Guard Rail Weldment	1
2	199966	. Screw, Soc. Hd. Cap M6-1.0 x 16	2
3	199347	. Washer, Lock M6	2
4	215001	. Mounting Bracket	1
5	199844	. Screw, Soc. Hd. Cap M12-1.75 x 25	2
6	199345	. Washer, Lock M12	2

NEW DRG.
S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L. 7-23-13



KERF SOLENOID ASSEMBLY

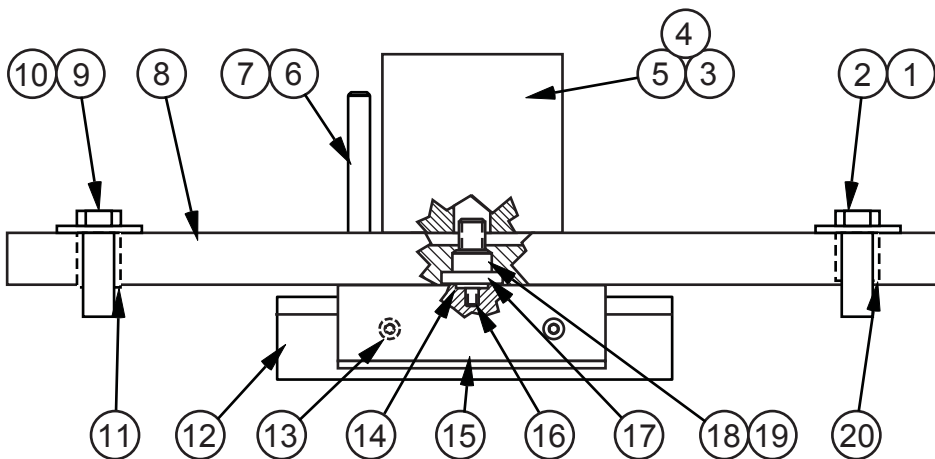
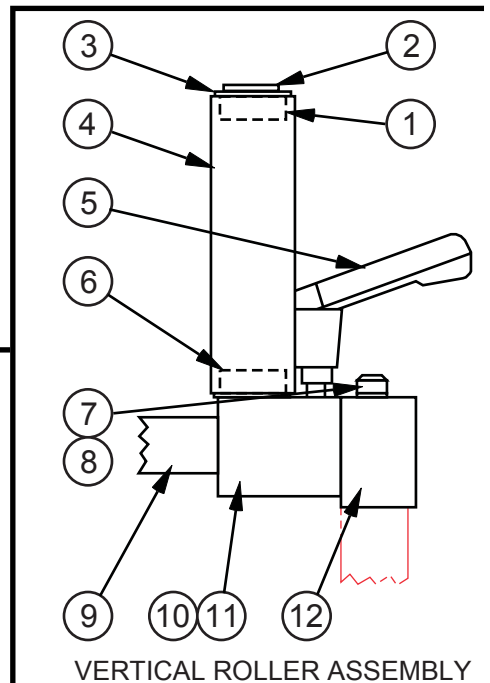
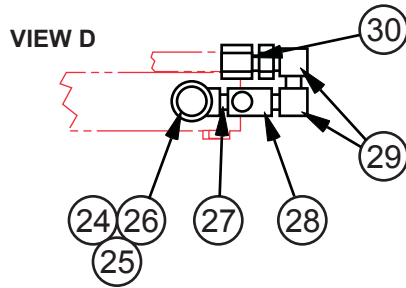
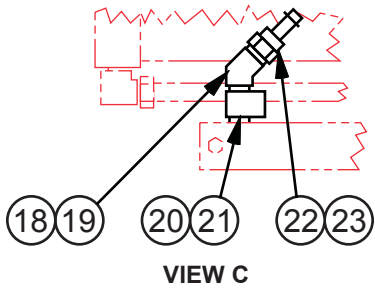
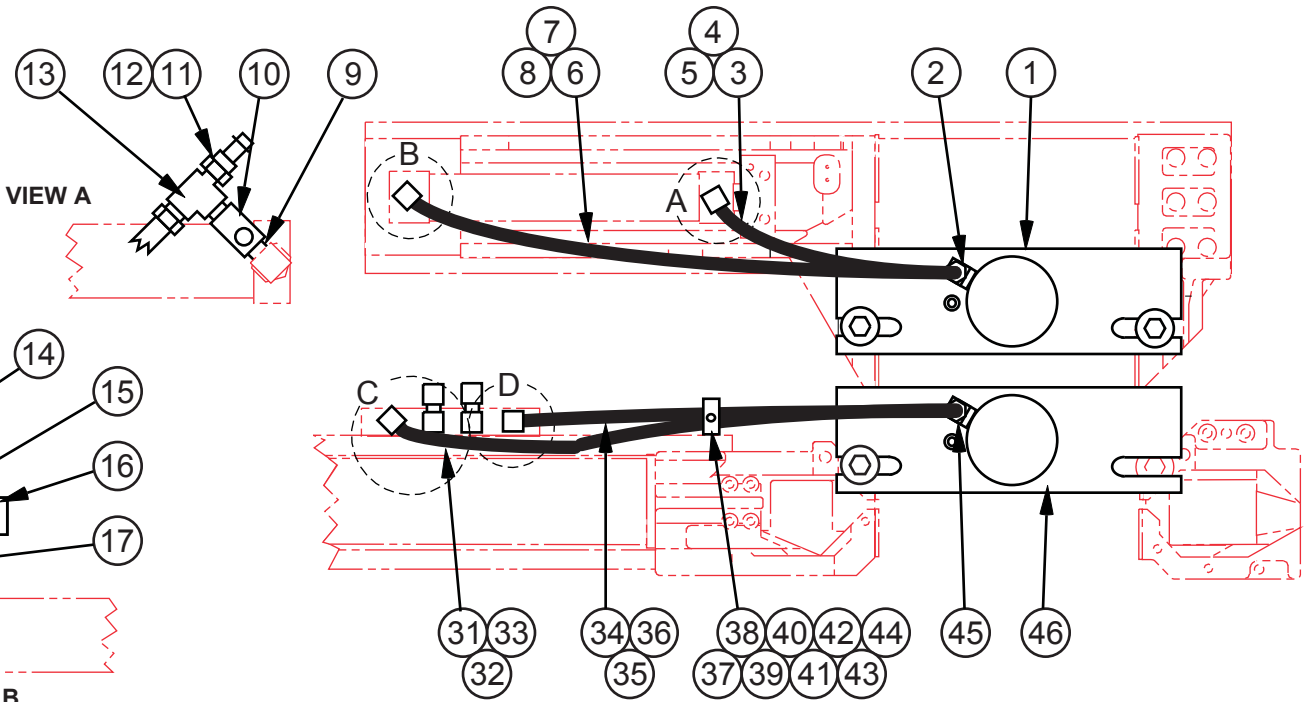
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305A	607-13101	

MULTIPLE INDEX KERF COMPENSATOR ASSEMBLY

MULTIPLE INDEX KERF COMPENSATOR ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	517215	Multiple Index Kerf Compensator Assembly	
1	122732	. Compression Spring	1
2	004224	. Spring Pin	1
3	209695	. Plunger	1
4	209702	. Kerf Plate	1
5	200895	. Kerf Guide	1
6	209713	. Kerf Plate Stop	1
7	198647	. Screw, Button Hd. Soc. M3-0.5 x 10	2
8	171949	. Gland	1
9	35-006987	. Compression Spring	1
10	199717	. Screw, Soc. Hd. Cap M12-1.75 x 50	2
11	417108	. Stop Block	1
12	199938	. Dowel Pin	2
13	012736	. Washer	1
14	199941	. Nut, Hex. M8-1.25	1
15	198988	. Screw, Hex. Hd. Cap M8-1.25 x 30	1
16	199916	. Screw, Soc. Hd. Cap M5-0.8 x 10	2
17	199293	. Washer, Flat 1/4 Brass	2
18	324382	. Kerf Solenoid Assembly (See Detail)	1
Ref.	324382	. Kerf Solenoid Assembly	
1	198398	. . Screw, Button Hd. Soc. #8-32NC x 1/4	4
2	122733	. . Solenoid	1
3	157475	. . Suppressor	1
4	129440	. . Wire Terminal	2
5	199728	. . Screw, Button Hd. Soc. M4-0.7 x 10	2
6	320472	. . Enclosure Weldment	1
7	122772	. . Gasket	1
8	320473	. . Cover	1
9	206699	. . Gasket	1
10	198895	. . Screw, Rd. Hd. Mach. 1/4-20NC x 1/2	2

NEW DRG.	S.C.L. 2-1-06
REVISIONS	
S.C.L. 11-8-06	
S.C.L. 12-3-07	
S.C.L. 8-15-08	
S.C.L. 11-11-09	
S.C.L. 7-23-13	



NESTING CLAMP CYLINDER ASSEMBLY

VERTICAL ROLLER ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

NESTING FIXTURE ASSEMBLY

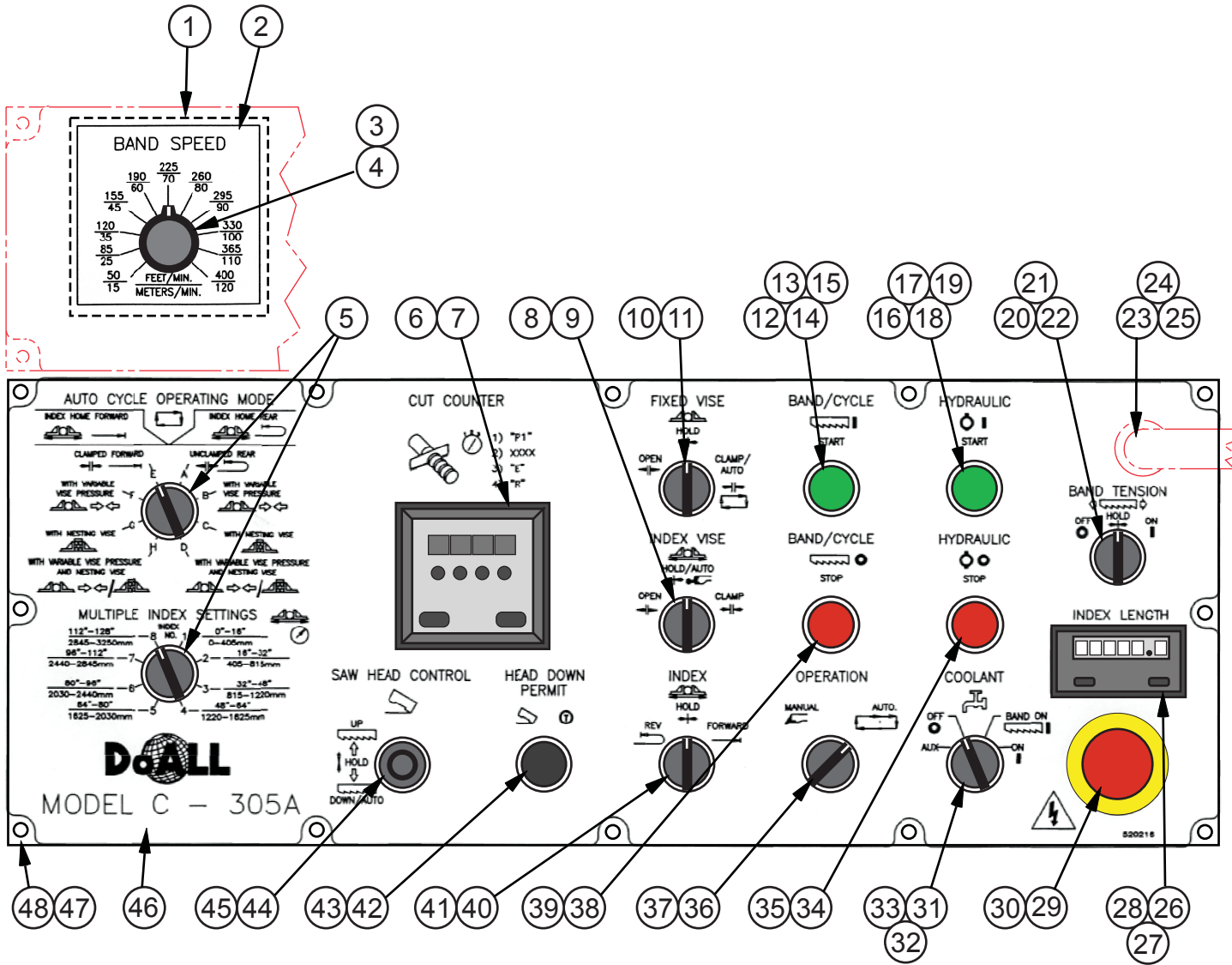
NESTING FIXTURE ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.	INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	216898	Nesting Fixture Assembly		Ref.	419789	. Nesting Clamp Cylinder Assembly (Fixed Vise)	
1	419790	. Nesting Clamp Cylinder Assembly (Index Vise) (See Detail)	1	Ref.	419790	. Nesting Clamp Cylinder Assembly (Index Vise)	
2	203605	. Pipe Adaptor	2	1	199061	. . Screw, Hex. Hd. Cap M16-2.0 x 45 ...	1
3	002102	. Hydraulic Hose	1	2	199305	. . Washer, Flat 5/8 Wrought	1
4	123549	. Coupler (Female)	1	3	323620	. . Nesting Clamp Cylinder	1
5	123573	. Plug	1	4	198244	. . Screw, Soc. Hd. Cap 1/4-20NC x 1-1/4	4
6	149918	. Hydraulic Hose	1	5	149157	. . 45° Street Elbow	2
7	123572	. Coupler Tip (Male)	1	6	323633	. . Shaft	1
8	123574	. Cap	1	7	105710	. . Retaining Ring	1
9	14-003507	. Close Nipple	2	8	419793	. . Mounting Plate Sub-Assembly (Fixed)	1
10	144360	. Restrictor Valve	1	8	419794	. . Mounting Plate Sub-Assembly (Index)	1
11	123572	. Coupler Tip (Male)	1	9	199061	. . Screw, Hex. Hd. Cap M16-2.0 x 45	1
12	123574	. Cap	1	10	199305	. . Washer, Flat 5/8 Wrought	1
13	120857	. Service Tee (Brass)	1	11	204197	. . Spacer	1
14	123573	. Plug	1	12	318419	. . Slide Bar (1.25 x 5.25)	4
15	14-003507	. Close Nipple	1		323632	. . Slide Bar (1.25 x 6.50)	4
16	123549	. Coupler (Female)	1		323631	. . Slide Bar (3.00 x 5.25)	4
17	120857	. Service Tee (Brass)	1		323634	. . Slide Bar (3.00 x 6.50)	4
18	121933	. 45° Street Elbow	1	13	198554	. . Screw, Soc. Set 3/8-16NC x 1/2 (Brass Tip)	2
19	14-003507	. Close Nipple	1	14	215423	. . Spherical Washer	1
20	120857	. Service Tee (Brass)	1	15	519650	. . Clamp Block	1
21	309097	. 45° Male Elbow	1	16	215426	. . Drive Pin	1
22	123572	. Coupler Tip (Male)	1	17	215416	. . Collar	1
23	123574	. Cap	1	18	323830	. . Adaptor Sub-Assembly	1
24	120857	. Service Tee (Brass)	1	19	202383	. . Adhesive (Loctite #242-31 Threadlok)	A.R.
25	123549	. Coupler (Female)	1	20	204196	. . Spacer	1
26	123573	. Plug	1				
27	14-003507	. Close Nipple	2				
28	144360	. Restrictor Valve	1	Ref.	514905	. Vertical Roller Assembly (Nesting Fixture)	
29	008254	. 90° Street Elbow	2	1	173591	. . Bearing	1
30	309010	. Male Connector	1	2	203387	. . Spindle	2
31	146646	. Hydraulic Hose	1	3	173590	. . Retaining Ring	2
32	123572	. Coupler Tip (Male)	1	4	319460	. . Roller	2
33	123574	. Cap	1	5	172460	. . Clamping Handle	2
34	200930	. Hydraulic Hose	1	6	173591	. . Bearing	2
35	123549	. Coupler (Female)	1	7	198287	. . Screw, Soc. Hd. Cap 3/8-16NC x 3 ...	4
36	123573	. Plug	1	8	199325	. . Washer, Lock 3/8 Std.	4
37	320675	. Bracket	1	9	178877	. . Pivot Rod	1
38	199916	. Screw, Soc. Hd. Cap M5-0.8 x 10	2	10	317829	. . Pivot Arm	2
39	313339	. Double Support	1	11	198448	. . Screw, Soc. Set 3/8-16NC x 3/8	4
40	198031	. Screw, Hex. Hd. Cap 5/16-18NC x 1-1/2	1	12	317827	. . Roller Block	2
41	012736	. Washer	1				
42	199158	. Nut, Wing 5/16-18NC	1				
43	199323	. Washer, Lock 5/16 Std.	1				
44	199258	. Washer, Flat #10 S.A.E. Std.	1				
45	203605	. Pipe Adaptor	2				
46	419789	. Nesting Clamp Cylinder Assembly (Fixed Vise) (See Detail)	1				

Following Not Shown:

514905	. Vertical Roller Assembly (Nesting Fixture) (See Detail)	1
216897	. Electrical Assembly (Nesting Fixture) (See Detail)	1

NEW DRG.
S.C.L. 7-17-13
REVISIONS



MODEL FIRST MACH. LAST MACH.
C-305A 607-13101

PUSHBUTTON PANEL ASSEMBLY

PS - 8 - 386

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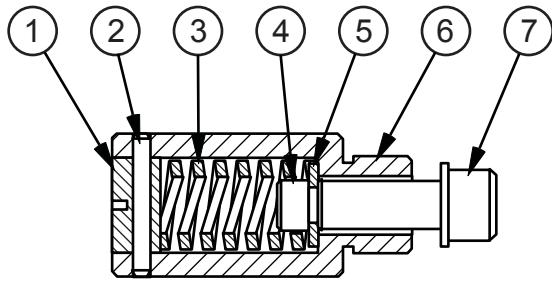
PUSHBUTTON PANEL ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.		Pushbutton Panel Assembly	
1	1014739	. Enclosure	1
2	201686	. Cord Grip Connector (.157-.314)	2
3	197345	. Shielded Cable (#20-3 Conductor)	A.R.
4	219888	. Escutcheon (Band Speed)	1
5	223553	. Potentiometer	1
6	178146	. Knob	1
7	200044	. Rheo. Hex. Seal	1
8	202199	. Rotary Switch (8 Position)	2
9	204255	. Counter	1
10	204256	. Counter Conversion Module	1
11	207825	. Selector Switch (3 Position - Spring to Left)	1
12	207185	. Contact Block (1-NO)	2
13	207182	. Selector Switch (3 Position)	1
14	207185	. Contact Block (1-NO)	2
15	207192	. Pushbutton Operator (Illuminous Green)	1
16	207185	. Contact Block (1-NO)	1
17	207193	. Power Supply	1
18	205115	. Seal Boot	1
19	207192	. Pushbutton Operator (Illuminous Green)	1
20	207185	. Contact Block (1-NO)	1
21	207193	. Power Supply	1
22	205115	. Seal Boot	1
23	207182	. Selector Switch (3 Position)	1
24	207185	. Contact Block (1-NO)	1
25	211500	. Contact Block (2-NO)	1
26	135106	. Hole Seal (No Worklamp)	1
	221545	. Worklamp (Optional)	1
27	207784	. Self-Locking Nut 3/8-18NF (With Worklamp)	1
28	199361	. Washer, Lock 5/8 Shakeproof (With Worklamp) (If Supplied)	1
29	221978	. Counter/Rate Indicator	1
30	221979	. Counter Power Supply	1
31	223597	. Encoder	1
32	197367	. Shielded Cable (#24-6 Conductor)	A.R.
33	207191	. Pushbutton Operator (Red Mushroom)	1
34	207186	. Contact Block (1-NC)	1
35	207184	. Selector Switch (4 Position)	1
36	207187	. Contact Block (1-NO, 1-NC)	1
37	207186	. Contact Block (1-NC)	1
38	207189	. Pushbutton Operator (Red)	1
39	207186	. Contact Block (1-NC)	1
40	207181	. Selector Switch (2 Position)	1
41	207185	. Contact Block (1-NO)	1
42	207189	. Pushbutton Operator (Red)	1
43	207186	. Contact Block (1-NC)	1
44	207183	. Selector Switch (3 Position - Spring Center)	1
45	207185	. Contact Block (1-NO)	2
46	207188	. Pushbutton Operator (Black)	1
47	207185	. Contact Block (1-NO)	1
48	207195	. Joystick Operator (3 Position)	1
49	207187	. Contact Block (1-NO, 1-NC)	1
50	520216	. Escutcheon	1
	521927	. Escutcheon (Europa Only)	1
51	520253	. Backer Plate	1
52	215267	. Gasket Strip	A.R.

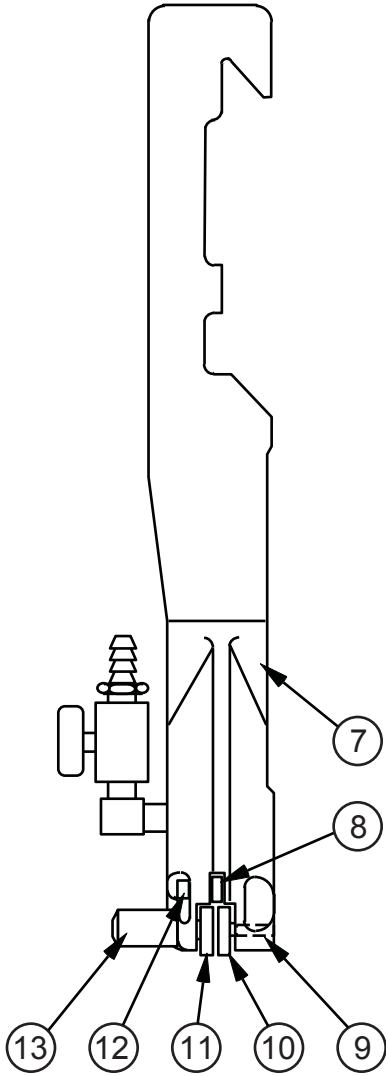
Following Not Shown:

207194	. Replacement Bulb (For Illuminated Pushbuttons)	A.R.
016561	. Nylon Clamp	1
199202	. Nut, Hex. M5-0.8	1

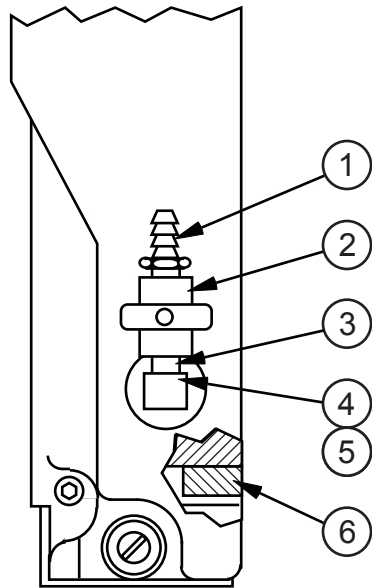
NEW DRG.
S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L. 11-11-09
S.C.L. 7-23-13



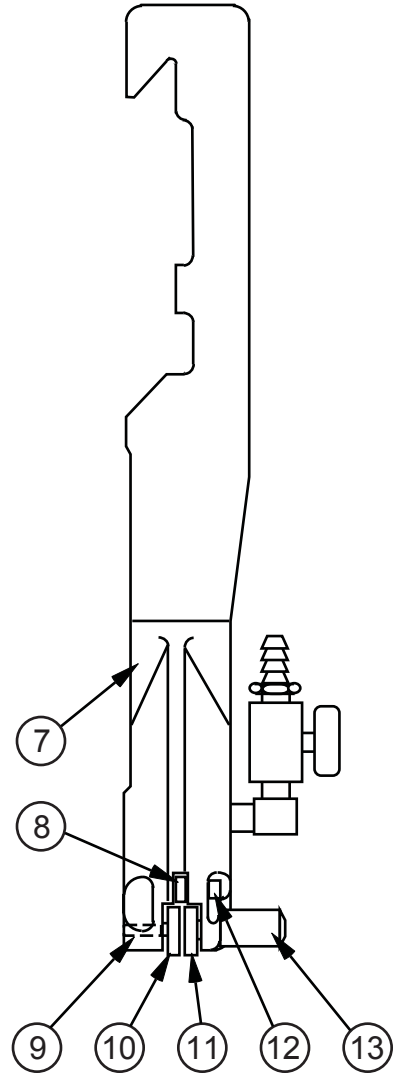
ADJUSTING SCREW ASSEMBLY



L.H. SAW GUIDE ASSEMBLY



TYPICAL
BOTH SAW GUIDES



R.H. SAW GUIDE ASSEMBLY

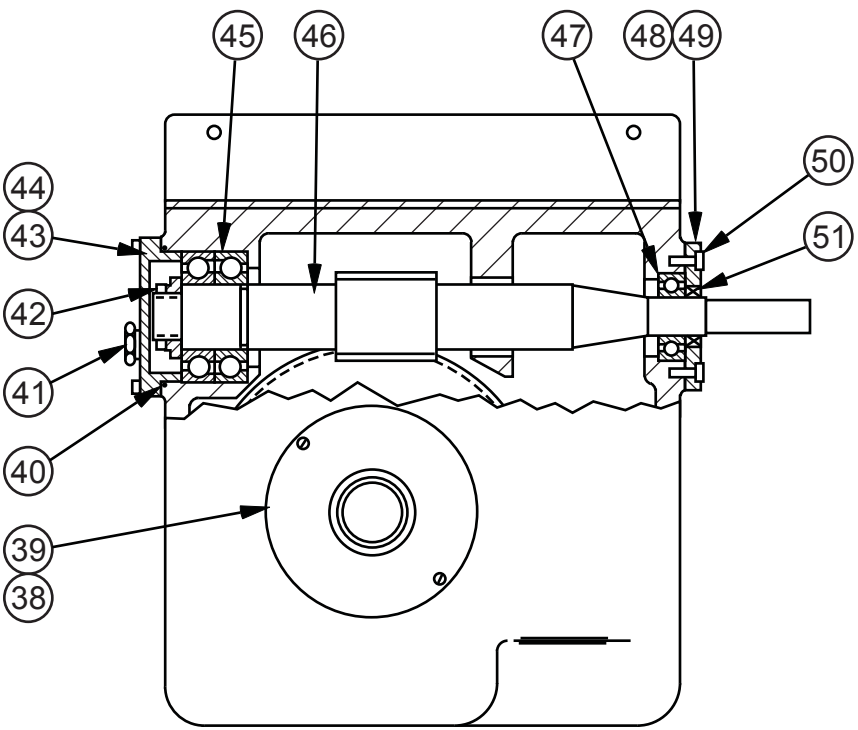
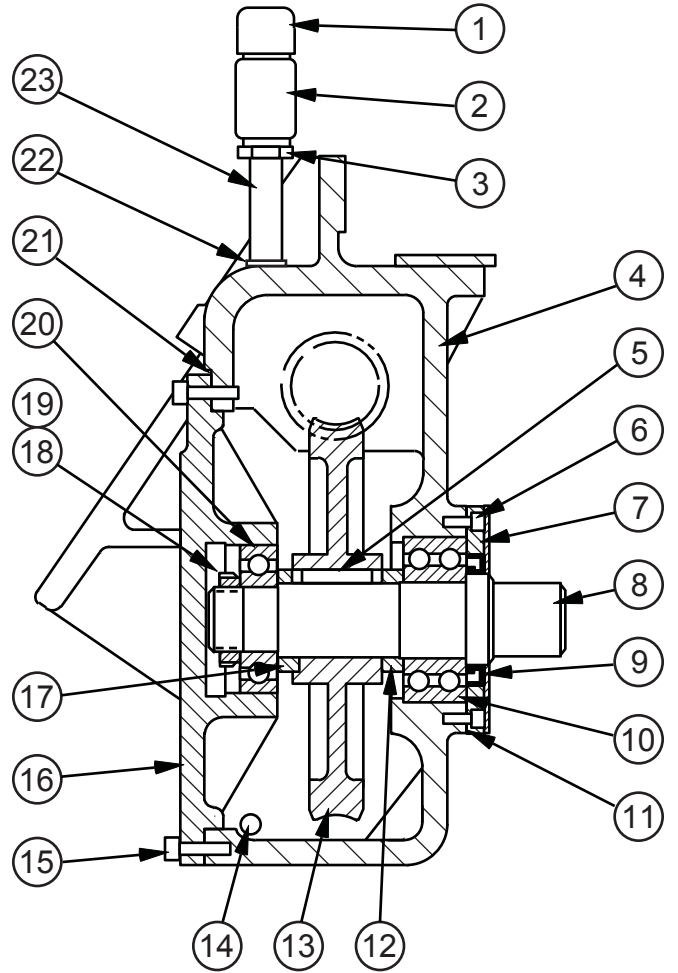
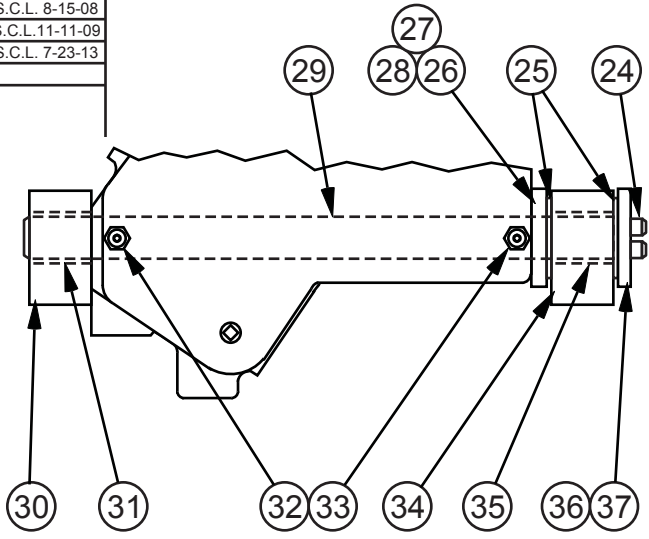
MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

SAW GUIDE ASSEMBLIES

SAW GUIDE ASSEMBLIES

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	417806M	L.H. Saw Guide Assembly	
1	103316	. Barbed Insert	1
2	178934	. Ball Valve	1
3	35-002344	. Pipe Nipple	1
4	008254	. 90° Street Elbow	1
5	14-003507	. Close Nipple	1
6	101401	. Neoprene Insert	1
7	517143	. L.H. Saw Guide Arm	1
8	149003	. Back-Up Insert	1
9	198751	. Screw, Flat Hd. Mach. #10-24NC x 3/4	1
10	143271	. Insert Assembly (Fixed)	1
11	143272	. Insert Assembly (Adjustable)	1
12	149002	. Pivot Bolt	1
13	176690	. Adjusting Screw Assembly (See Detail)	1
Ref.	417805M	R.H. Saw Guide Assembly	
1	103316	. Barbed Insert	1
2	178934	. Ball Valve	1
3	35-002344	. Pipe Nipple	1
4	008254	. 90° Street Elbow	1
5	14-003507	. Close Nipple	1
6	101401	. Neoprene Insert	1
7	517144	. R.H. Saw Guide Arm	1
8	149003	. Back-Up Insert	1
9	198751	. Screw, Flat Hd. Mach. #10-24NC x 3/4	1
10	143274	. Insert Assembly (Fixed)	1
11	143273	. Insert Assembly (Adjustable)	1
12	149002	. Pivot Bolt	1
13	176690	. Adjusting Screw Assembly (See Detail)	1
Ref.	176690	. Adjusting Screw Assembly	
1	124033	. . Plug	1
2	004217	. . Spring Pin	1
3	139457	. . Compression Spring	1
4	198209	. . Screw, Soc. Hd. Cap #8-32NC x 1/4	1
5	136834	. . Washer	1
6	176688	. . Housing	1
7	176689	. . Plunger	1

NEW DRG.
S.C.L. 2-1-06
REVISIONS
S.C.L. 11-8-06
S.C.L. 12-3-07
S.C.L. 8-15-08
S.C.L. 11-11-09
S.C.L. 7-23-13



MODEL	FIRST MACH.	LAST MACH.
C-305A	582-06101	582-13217
C-305NC	581-06101	581-12131
C-305A	607-13101	

TRANSMISSION ASSEMBLY

TRANSMISSION ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	518343	Transmission Assembly	
1	203737	. Vented Cap	1
2	105665	. Pipe Coupling	1
3	007938	. Reducer Bushing	1
4	518344	. Transmission Housing	1
5	100694	. Key	1
6	199983	. Screw, Soc. Hd. Cap M10-1.5 x 20 (Low Head)	4
7	417817	. Bearing Hub Cover	1
8	516472	. Output Shaft	1
9	204892	. Oil Seal	1
10	201550	. Roller Bearing	1
11	168371	. Liquid Gasket Adhesive	A.R.
12	175237	. Spacer	1
13	319440	. Worm Gear	1
14	152157	. Magnetic Plug	1
15	199896	. Screw, Soc. Hd. Cap M10-1.5 x 25	10
16	516784	. Hub/Cover	1
17	175237	. Spacer	1
18	204893	. Slotted Nut M45 x 1.5	1
19	35-001762	. Bearing Lockwasher	1
20	168633	. Ball Bearing	1
21	168371	. Liquid Gasket Adhesive	A.R.
22	14-000661	. Close Nipple	1
23	106058	. Pipe Nipple	1
24	199829	. Screw, Soc. Hd. Cap M8-1.25 x 25 (Self-Locking)	2
25	211169	. Thrust Bearing	2
26	322299	. Spacer	1
27	198384	. Screw, Flat Hd. Soc. #10-24NC x 5/8	2
28	198619	. Dowel Pin	1
29	322298	. Pivot Shaft	1
30	418665	. Bearing Block	1
31	211954	. Sleeve Bearing	1
32	199988	. Screw, Soc. Set M10-1.5 x 20	2
33	202383	. Adhesive (Loctite #242-31 Threadlok)	A.R.
34	418665	. Bearing Block	1
35	211954	. Sleeve Bearing	1
36	322300	. End Cap	1
37	198619	. Dowel Pin	1
38	320826	. Seal Guard	1
39	198958	. Screw, Pan Hd. Mach. M5-0.8 x 10 (Slotted)	2
40	121619	. O-Ring	1
41	168380	. Sight Gauge	1
42	204032	. Locknut 1-3/8-6NC	1
43	417513	. Cap	1
44	199041	. Screw, Soc. Hd. Cap M5-0.8 x 20	6
45	203970	. Ball Bearing	1
46	518488	. Worm Shaft	1
47	126578	. Ball Bearing	1
48	417723	. Cap	1
49	121280	. O-Ring	1
50	199819	. Screw, Soc. Hd. Cap M8-1.25 x 16	4
51	204756	. Oil Seal	1
	172379	. Gear Oil (Not Shown)	A.R.