

AERO 60/90/130

Tape-off Manual

Release 1.0

For Model #s

9910-30-000—60/90 Tape-off LH

9910-31-000—60/90 Tape-off RH

9910-32-000—60/90 Tape-off LH w/xyr

9910-33-000—60/90 Tape-off RH w/xyr

9910-40-000—130 Tape-off LH

9910-41-000—130 Tape-off RH



Trusted Partner for Your Product Decorating Needs

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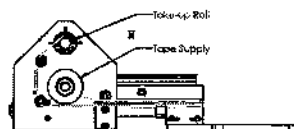
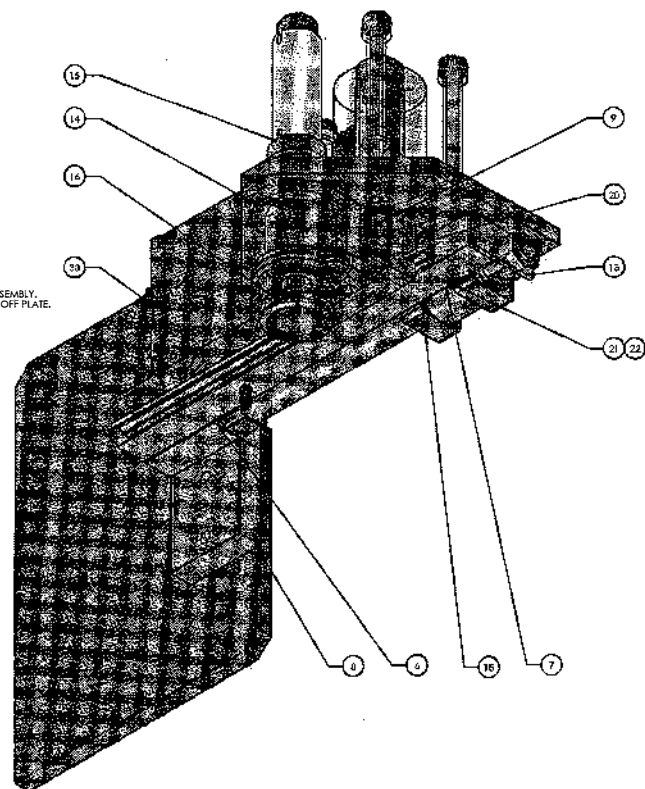
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Proper Operation & Preventive Care

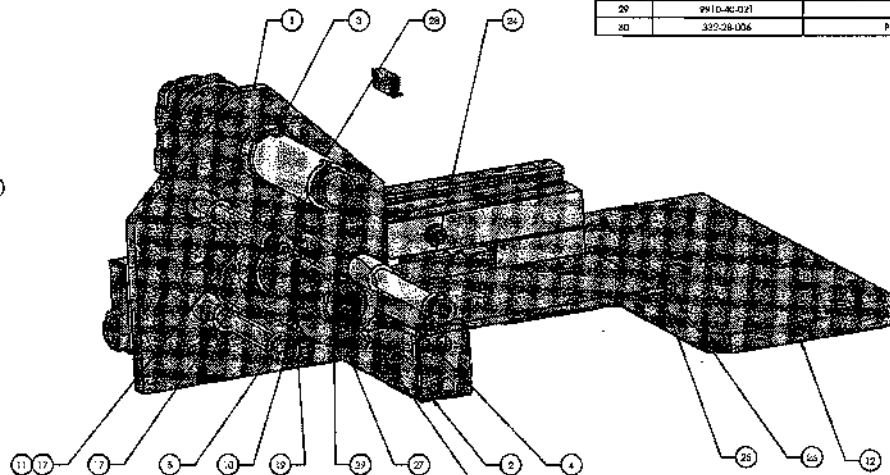
Aero 60/90/130

1. Verify that the tape clean unit operates properly.
2. Refer to the printer manual for instructions on how to adjust the operation of the Tape-off unit.
3. Verify that the roller at the end of the tape plate operates freely. Should this roller not move freely, the unit will not dispense tape properly.
4. Adjust the stops on the rotary actuator that moves the tape, for a proper amount of tape movement. Note that as the take-up roll accumulates more tape that more tape will be used on each actuation.
5. Replacement Tape for the 60/90 models is Trans Tech Pt#. 14221540.
6. Replacement Tape for the 130 models is Trans Tech Pt# 14221640.
7. All of these tape units are comprised of components that are very durable. Based on that fact, no recommendations can be made for spare parts. As dirt and grime can degrade components over time, keeping these units clean and free from debris will enable them to give many years of useful service. Should a failure of a component occur, each of the enclosed drawings contain a bill of materials as a reference. If you need assistance with any issue please call 630-752-4000.

NOTE: ITEM 30 SWITCH TO BE MOUNTED INSIDE OF PRINTER AT ASSEMBLY, TO SENSE VERTICAL STOP ON TAPE OFF PLATE.



Tape Mounting

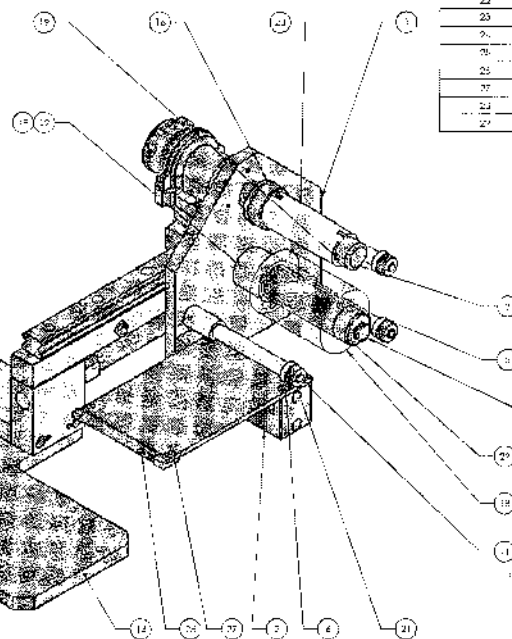


INSTALL THUMB SCREW KNOB ONTO MS S.H.C.S. THAT HOLDS THE SHAFT CAP ONTO THE SUPPLY SPOOL.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	9910-30-001	SPOOLS MOUNT	1
2	9910-30-002	TAPE BRIDGE	1
3	9910-30-003	DRIVEN SPINDLE	1
4	9910-30-004	TAPE PLATE	1
5	9910-30-005	TAPE SPOOL	2
6	9910-30-007	VERTICAL MOUNT LH	1
7	9910-30-008	HORZ. MOUNT	1
8	9910-30-009	MOUNT FOOT	1
9	9910-30-010	CONNECTOR	1
10	9910-30-011	SPINDLE	3
11	9910-30-012	SUPPLY SPINDLE	1
12	9910-30-013	BASE PLATE	1
13	9910-30-014	CTL. SUPPORT	1
14	211-01-201	One way clutch for dsr16, LH	1
15	211-01-129	Flange mounting for DSR16	1
16	211-01-002	Actuator, Rot, Dbl Act, 16mm Bore	1
17	103-06-099	Ball plunger, SS, MS	3
18	201-02-169	Cylindr, rodless, 3/4" x 6" x 6" x 6" w/float joint	1
19	011-02-023	Clamp collar, single split, 5/16" x 11/16" x 5/16"	3
20	001-32-068	Linear Guide Roll w/1 car	1
21	332-02-010	Proximity Switch, (NPN) 2mm Sensing	2
22	332-02-011	Cable Conn., 5Meters, 90Degrees (NPN)	2
23	222-00-217	Valve, Dbl Solenoid, 5 Pos Cntl Close	1
24	9910-30-015	TAPE SPOOL	1
25	9910-30-016	ROLLER MOUNT	2
26	9910-30-017	TAPE-ROLL BR	1
27	14221540	Roll /collecting, 1/8" dia, 6 1/2" wide tape	1
28	14221540C	65mm Wide Empty Tape Plastic Core	1
29	9910-AC-021	SHAFT CAP	1
30	332-28-006	Prox Switch, NPN	1

DIMENSIONS IN INCHES (MM)		TOLERANCES UNLESS SPECIFIED	
9 ± .02 (0.5)	10 ± .01 (0.25)	11 ± .02 (0.5)	12 ± .01 (0.25)
13 ± .02 (0.5)	14 ± .01 (0.25)	15 ± .02 (0.5)	16 ± .01 (0.25)
17 ± .02 (0.5)	18 ± .01 (0.25)	19 ± .02 (0.5)	20 ± .01 (0.25)
21 ± .02 (0.5)	22 ± .01 (0.25)	23 ± .02 (0.5)	24 ± .01 (0.25)
25 ± .02 (0.5)	26 ± .01 (0.25)	27 ± .02 (0.5)	28 ± .01 (0.25)
29 ± .02 (0.5)	30 ± .01 (0.25)	31 ± .02 (0.5)	32 ± .01 (0.25)
33 ± .02 (0.5)	34 ± .01 (0.25)	35 ± .02 (0.5)	36 ± .01 (0.25)
37 ± .02 (0.5)	38 ± .01 (0.25)	39 ± .02 (0.5)	40 ± .01 (0.25)
41 ± .02 (0.5)	42 ± .01 (0.25)	43 ± .02 (0.5)	44 ± .01 (0.25)
45 ± .02 (0.5)	46 ± .01 (0.25)	47 ± .02 (0.5)	48 ± .01 (0.25)
49 ± .02 (0.5)	50 ± .01 (0.25)	51 ± .02 (0.5)	52 ± .01 (0.25)
53 ± .02 (0.5)	54 ± .01 (0.25)	55 ± .02 (0.5)	56 ± .01 (0.25)
57 ± .02 (0.5)	58 ± .01 (0.25)	59 ± .02 (0.5)	60 ± .01 (0.25)
61 ± .02 (0.5)	62 ± .01 (0.25)	63 ± .02 (0.5)	64 ± .01 (0.25)
65 ± .02 (0.5)	66 ± .01 (0.25)	67 ± .02 (0.5)	68 ± .01 (0.25)
69 ± .02 (0.5)	70 ± .01 (0.25)	71 ± .02 (0.5)	72 ± .01 (0.25)
73 ± .02 (0.5)	74 ± .01 (0.25)	75 ± .02 (0.5)	76 ± .01 (0.25)
77 ± .02 (0.5)	78 ± .01 (0.25)	79 ± .02 (0.5)	80 ± .01 (0.25)
81 ± .02 (0.5)	82 ± .01 (0.25)	83 ± .02 (0.5)	84 ± .01 (0.25)
85 ± .02 (0.5)	86 ± .01 (0.25)	87 ± .02 (0.5)	88 ± .01 (0.25)
89 ± .02 (0.5)	90 ± .01 (0.25)	91 ± .02 (0.5)	92 ± .01 (0.25)
93 ± .02 (0.5)	94 ± .01 (0.25)	95 ± .02 (0.5)	96 ± .01 (0.25)
97 ± .02 (0.5)	98 ± .01 (0.25)	99 ± .02 (0.5)	100 ± .01 (0.25)

NOTES:

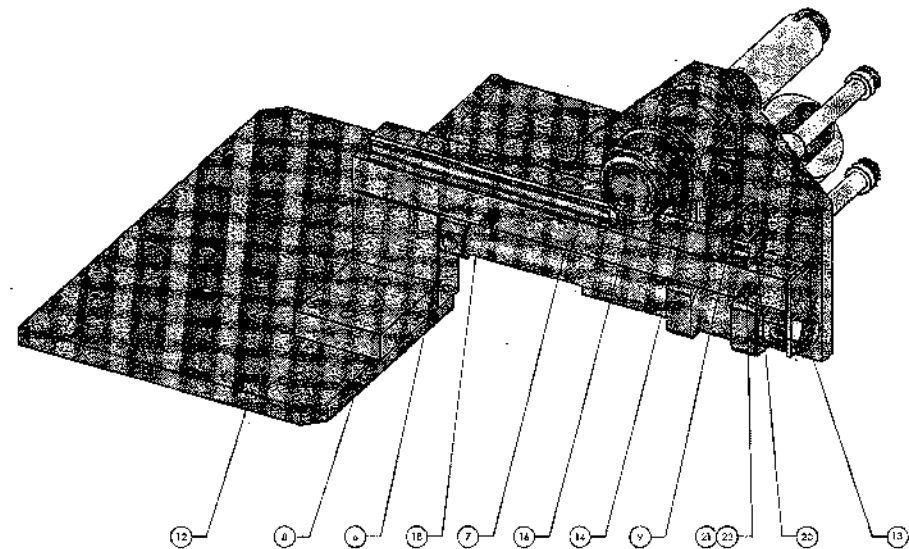
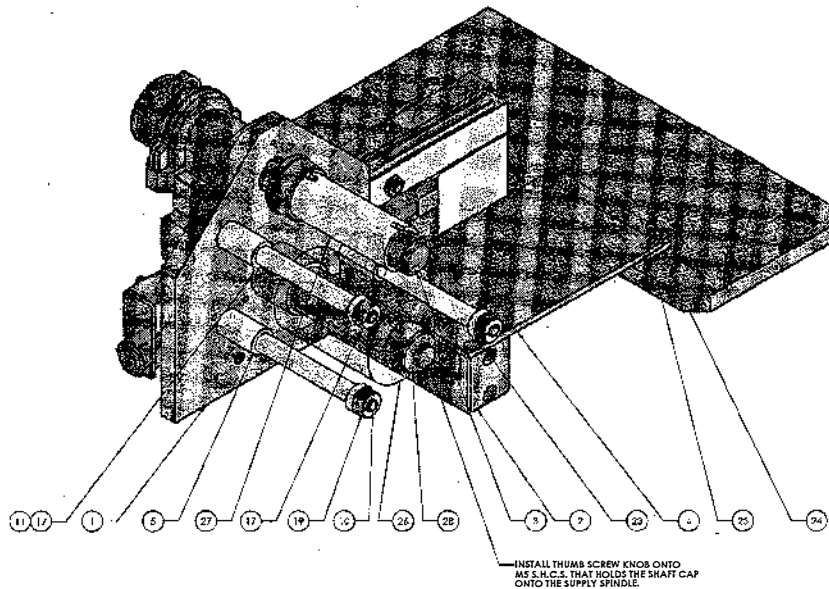


—INSTALL THUMB SCREW KNOB ONTO
M5 S.H.C.S. THAT HOLDS THE SHAFT CAP
ONTO THE SUPPLY SPOOL.

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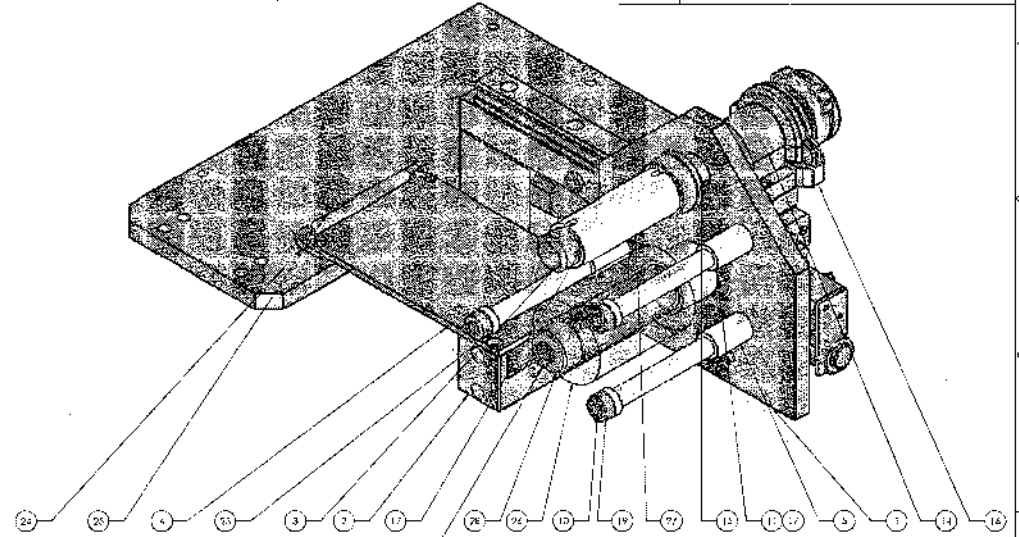
NOTES:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	9910-30-001	SPOOLS M.C. NT	1
2	9910-30-002	TAPE BRIDGE	1
3	9910-30-003	DOUBLE HANDLE	1
4	9910-30-004	TAPE PLATE	1
5	9910-30-006	TAPE SPOOL	2
6	9910-30-007	VERTICAL MOUNT U.	1
7	9910-30-008	HORN MOUNT	1
8	9910-30-009	M.C. NT 0001	1
9	9910-30-010	CONNECTOR	1
10	9910-30-011	SPINDLE	1
11	9910-30-012	SUPPLY SPINDLE	1
12	9910-30-013	BASE PLATE	1
13	9910-30-014	CYL. SUPPORT	1
14	911-01-201	Only way taken for chrt. L.H.	1
15	311-01-129	Range mounting for USK14	1
16	311-01-023	Acoustic Ref. Del. Act. 10mm Bar	1
17	10304-019	Ref. Pulley 30mm	1
18	201-02-149	Cylindrical 34mm x 4mm x 1mm	1
19	211-02-020	Clamp 30mm x 30mm x 1mm	1
20	201-02-020	Under 30mm x 30mm x 1mm	1
21	330-02-010	Power Switch (NPN) 2mm	1
22	330-02-011	Logic Unit 30mm x 30mm x 1mm	1
23	9910-30-015	TAPE SPOOL	1
24	9910-30-016	HORN MOUNT	1
25	9910-30-017	TAPE ROLLER	1
26	14211-040	PSI / 100mm x 10mm x 10mm	1
27	14211-040	PSI / 100mm x 10mm x 10mm	1
28	9910-30-021	SHUNT CAP	1

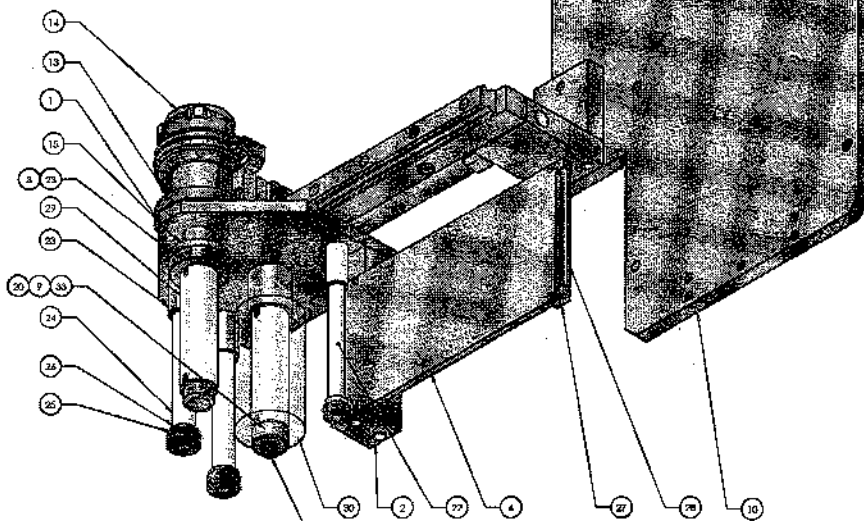


NOTES

14.3 DIMENSIONS IN MILLIMETERS TOLERANCES UNLESS SPECIFIED FRACTIONS DECIMALS 1/16 0.0625 1/8 0.125 3/16 0.1875 1/4 0.25 5/16 0.3125 3/8 0.375 7/8 0.875 1 1.0 1 1/8 1.125 1 1/4 1.25 1 3/4 1.5 2 2.0 2 1/2 2.5 3 3.0 3 1/2 3.5 4 4.0 4 1/2 4.5 5 5.0 5 1/2 5.5 6 6.0 6 1/2 6.5 7 7.0 7 1/2 7.5 8 8.0 8 1/2 8.5 9 9.0 9 1/2 9.5 10 10.0 10 1/2 10.5 11 11.0 11 1/2 11.5 12 12.0 12 1/2 12.5 13 13.0 13 1/2 13.5 14 14.0 14 1/2 14.5 15 15.0 15 1/2 15.5 16 16.0 16 1/2 16.5 17 17.0 17 1/2 17.5 18 18.0 18 1/2 18.5 19 19.0 19 1/2 19.5 20 20.0 20 1/2 20.5 21 21.0 21 1/2 21.5 22 22.0 22 1/2 22.5 23 23.0 23 1/2 23.5 24 24.0 24 1/2 24.5 25 25.0 25 1/2 25.5 26 26.0 26 1/2 26.5 27 27.0 27 1/2 27.5 28 28.0 28 1/2 28.5 29 29.0 29 1/2 29.5 30 30.0 30 1/2 30.5 31 31.0 31 1/2 31.5 32 32.0 32 1/2 32.5 33 33.0 33 1/2 33.5 34 34.0 34 1/2 34.5 35 35.0 35 1/2 35.5 36 36.0 36 1/2 36.5 37 37.0 37 1/2 37.5 38 38.0 38 1/2 38.5 39 39.0 39 1/2 39.5 40 40.0 40 1/2 40.5 41 41.0 41 1/2 41.5 42 42.0 42 1/2 42.5 43 43.0 43 1/2 43.5 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94 94.0 94 1/2 94.5 95 95.0 95 1/2 95.5 96 96.0 96 1/2 96.5 97 97.0 97 1/2 97.5 98 98.0 98 1/2 98.5 99 99.0 99 1/2 99.5 100 100.0 100 1/2 100.5 101 101.0 101 1/2 101.5 102 102.0 102 1/2 102.5 103 103.0 103 1/2 103.5 104 104.0 104 1/2 104.5 105 105.0 105 1/2 105.5 106 106.0 106 1/2 106.5 107 107.0 107 1/2 107.5 108 108.0 108 1/2 108.5 109 109.0 109 1/2 109.5 110 110.0 110 1/2 110.5 111 111.0 111 1/2 111.5 112 112.0 112 1/2 112.5 113 113.0 113 1/2 113.5 114 114.0 114 1/2 114.5 115 115.0 115 1/2 115.5 116 116.0 116 1/2 116.5 117 117.0 117 1/2 117.5 118 118.0 118 1/2 118.5 119 119.0 119 1/2 119.5 120 120.0 120 1/2 120.5 121 121.0 121 1/2 121.5 122 122.0 122 1/2 122.5 123 123.0 123 1/2 123.5 124 124.0 124 1/2 124.5 125 125.0 125 1/2 125.5 126 126.0 126 1/2 126.5 127 127.0 127 1/2 127.5 128 128.0 128 1/2 128.5 129 129.0 129 1/2 129.5 130 130.0 130 1/2 130.5 131 131.0 131 1/2 131.5 132 132.0 132 1/2 132.5 133 133.0 133 1/2 133.5 134 134.0 134 1/2 134.5 135 135.0 135 1/2 135.5 136 136.0 136 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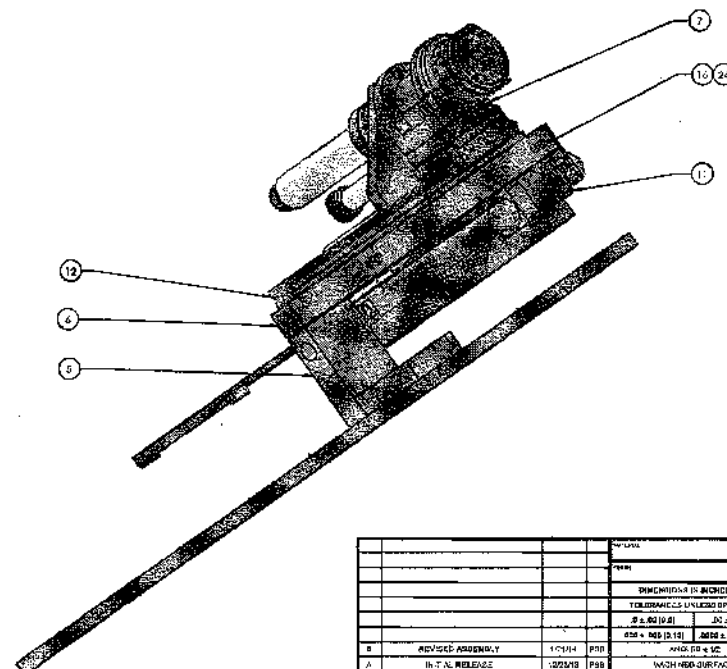


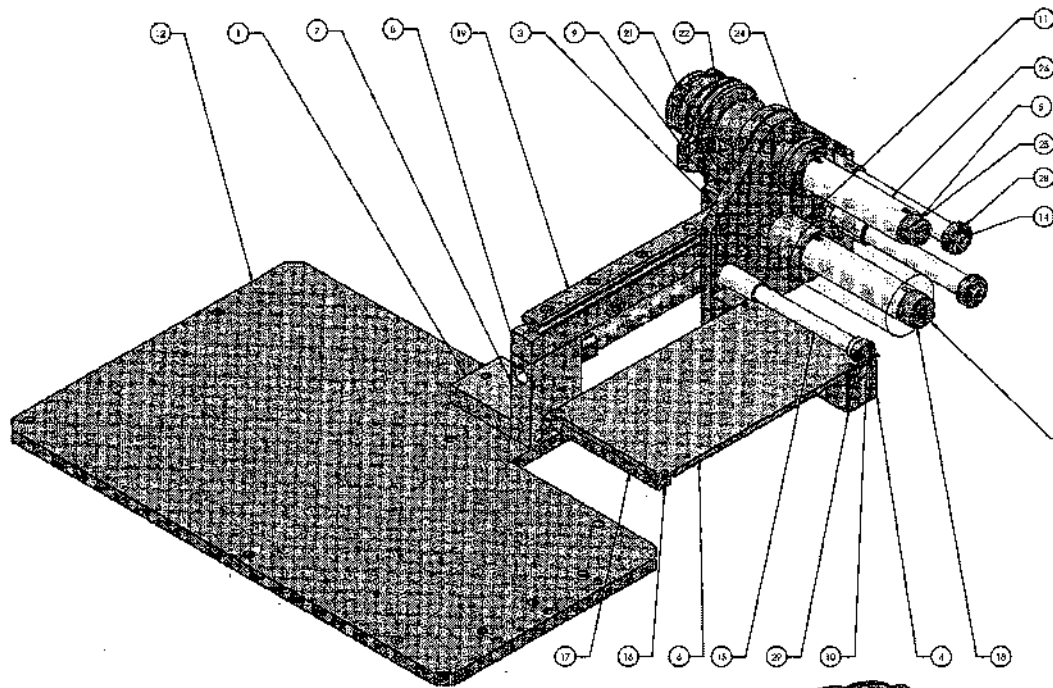
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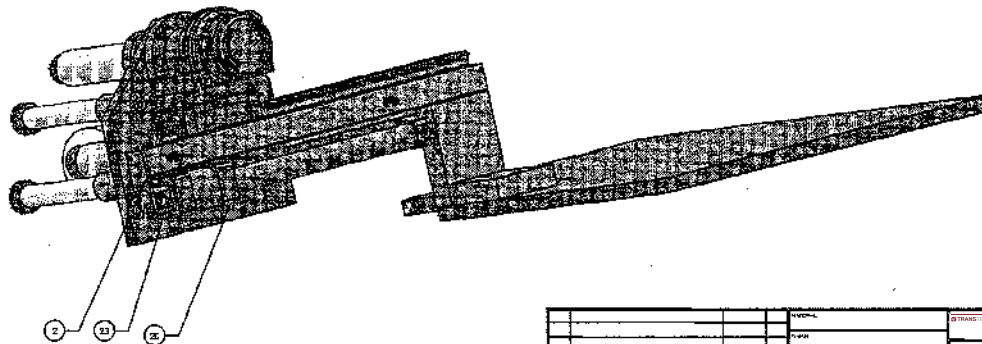
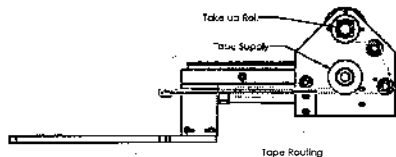
NOTES:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	9910-00-001	SPOCKS & COUNT	1
2	9910-00-002	TAPE BEIDGE	1
3	9910-00-003	DRIVEN SPINDLE	1
4	9910-00-004	TAPE PLATE	1
5	9910-00-005	WHEATLAND MOUNT LH	1
6	9910-00-007	SPIN, H-COUNT	1
7	9910-00-010	CONTRACTOR	1
8	9910-00-011	SPIN, SLE	1
9	9910-00-012	SUPPLY SPINDLE	1
10	9910-00-013	BASE PLATE	1
11	201-02-144	Isolator Cylinder, Isolating 3000 B V-L	1
12	201-03-069	Engine Guide Roll w/ 1" on 340 roll	1
13	211-01-205	CRACK, Linerless, 1/2" dia, 1/2" thick	1
14	211-01-001	Activator, Pol. Del Act, 250mm dia	1
15	211-01-028	Wheeled, Mounting, 1/2" dia	1
16	332-02-010	POWER, 1/2" dia, 1/2" thick	2
17	332-02-010	SPINDLE	1
18	332-02-079	Col. Clasp 1/2" dia, 1/2" thick	1
19	103-00-011	Bot. clasp 1/2" dia, 1/2" thick	1
20	103-00-011	Cable Conn. 1/2" dia, 1/2" thick	1
21	201-03-107	Motor, 1/2" dia, 1/2" thick, 1/2" dia	1
22	222-02-001	Roller, 1/2" dia, 1/2" thick, 1/2" dia	1
23	9910-00-016	TAPE, 1/2" dia	1
24	9910-00-017	HEAVY SPINDLE	3
25	9910-00-018	ROLLERS	2
26	114-02-012	Color, 1/2" dia, 1/2" thick, 1/2" dia	2
27	502-03-005	1/2" x 1/2" HARD WHEEL	2
28	9910-00-019	ROLLER 1/2" dia	1
29	9910-00-020	1/2" dia PLATE WHEEL	1
30	1491-66C	12mm Wide Empty Tape Plastic	1
31	1422-14-02	Roller, 1/2" dia, 1/2" thick, 1/2" dia	1
32	9910-00-021	SHAF, CAP	1
33	9910-00-009	MOUNT FOOT	1
34	9910-00-014	CYL SUPPORT	1

[illegible]



INSTALL THUMB SCREW KNOB ONTO
AS S.H.C.S. THAT HOLDS THE SHAFT
CAP ONTO THE SUPPLY SPINDLE.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	9913-40-001	ALIGNMENT	1
2	9913-40-014	CH. SUPPORT	1
3	9913-40-011	SPOCKS MOUNT	1
4	9913-40-002	TAPE BRIDGE	1
5	9913-40-003	DRIVEN SPINDLE	1
6	9913-40-004	TAPE PLATE	1
7	9913-40-005	WHEEL ASSEMBLY	1
8	9913-40-007	WHEEL MOUNT	1
9	9913-40-010	CON. MOTOR	1
10	9913-40-011	SPINDLE	1
11	9913-40-012	SUPPLY SPINDLE	1
12	9913-40-013	BASE PLATE	1
13	9913-40-016	TAPE SPOOL	1
14	9913-40-017	HEAVY SPINDLE	2
15	9913-40-018	WHEEL	2
16	9913-40-019	ROT. MOTOR	2
17	9913-40-020	TAPE OFF PLATE WHEEL	1
18	9913-40-021	SHAFT CAP	1
19	9913-40-022	Inner Shaft Ret. Cap 240 mil	1
20	9913-40-023	Inner Shaft Ret. Cap 240 mil	1
21	9913-40-024	Shaft	1
22	9913-40-025	Shaft, Cap 240 mil 25mm bore	1
23	9913-40-026	Shaft, Cap 240 mil 25mm bore	1
24	9913-40-027	Shaft, Cap 240 mil 25mm bore	1
25	9913-40-028	Shaft, Cap 240 mil 25mm bore	1
26	9913-40-029	Shaft, Cap 240 mil 25mm bore	1
27	9913-40-030	Shaft, Cap 240 mil 25mm bore	1
28	9913-40-031	Shaft, Cap 240 mil 25mm bore	1
29	9913-40-032	Shaft, Cap 240 mil 25mm bore	1
30	9913-40-033	Shaft, Cap 240 mil 25mm bore	1
31	9913-40-034	Shaft, Cap 240 mil 25mm bore	1

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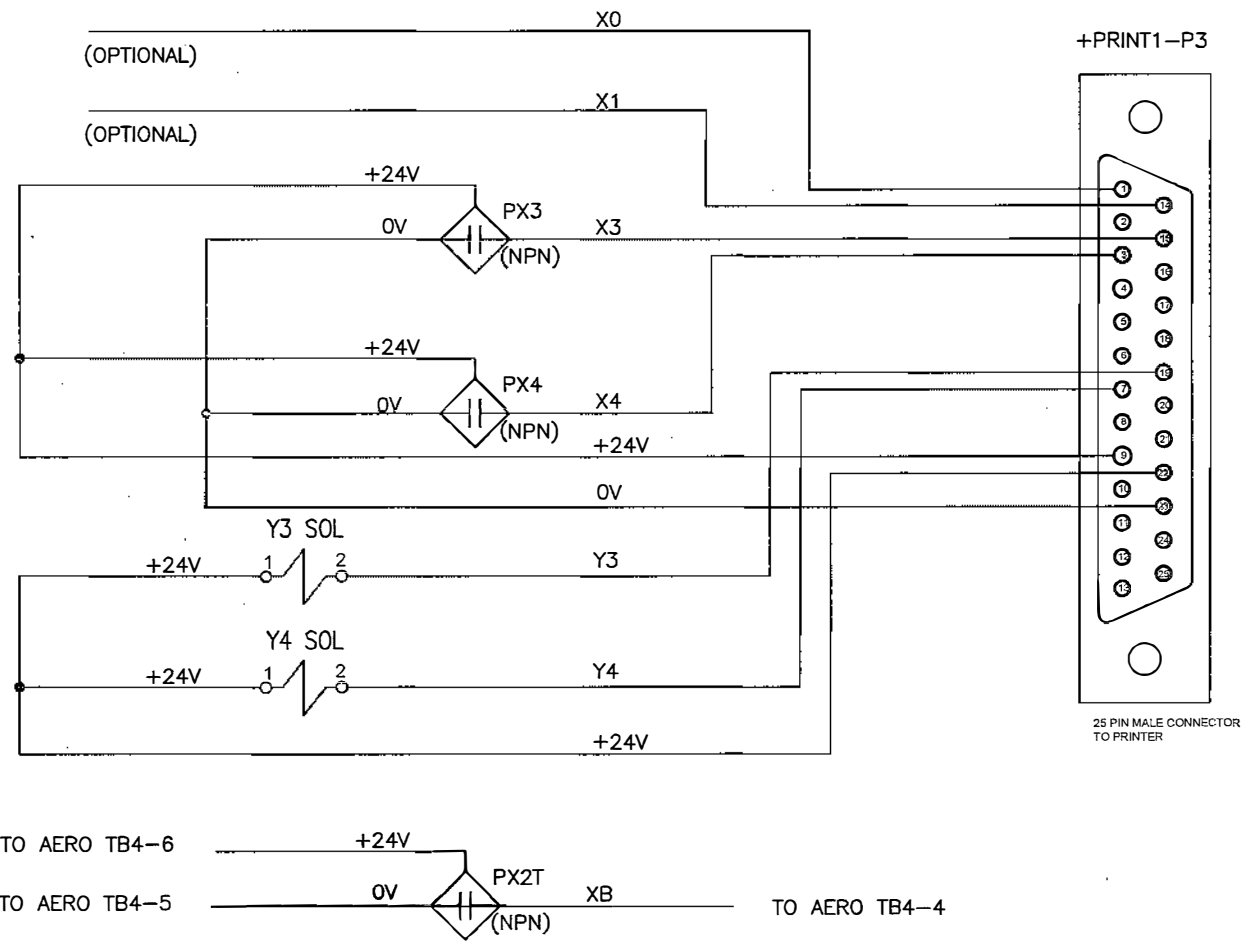
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REV	DESCRIPTION	DATE	ENG	DATE
B	OR TAPE PROX ADDED	4/3/2014	RS	4/3/2014
A	Initial Release	1/14/2014	RS	1/14/2014

DRAWING TITLE
Electrical Schematic
Aero
Tape Cleaner
Addition

ENGINEER
Rich Schulz

RELEASE DATE
1/14/2014

CUSTOMER NAME
STANDARD

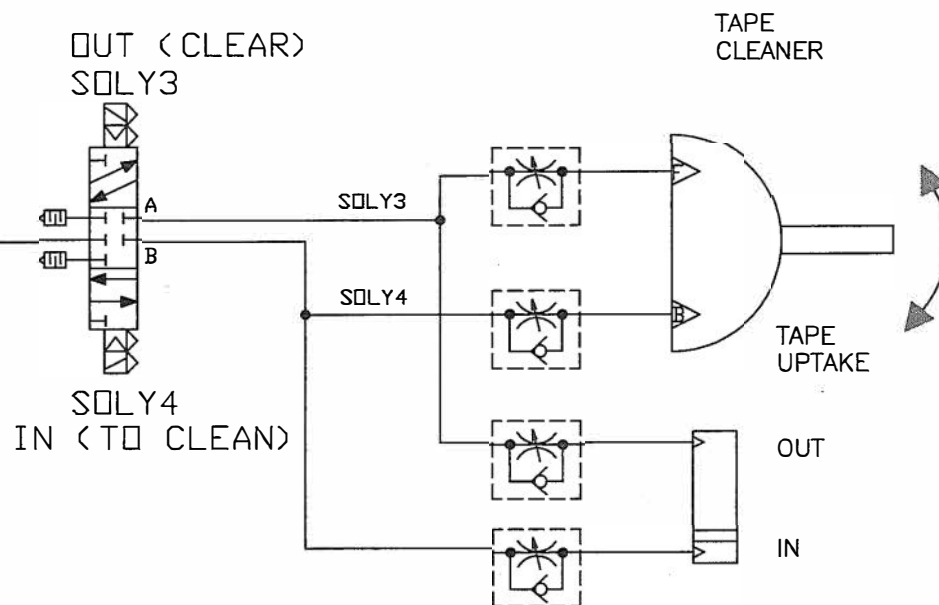
JOB NUMBER
-

SHEET NUMBER
1 OF 1

SCALE
1:1

DRAWING NUMBER
9910-30-801-B

FROM
AERO PRINTER
AFTER MAIN AIR ON



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