



REVISIONS				
REV	DATE	DRWN	CHK'D	DESCRIPTION
A	8DEC16	CR		PRELIMINARY RELEASE
B	14DEC16	CR		RELABELED MOTORS ADDED NOTE 5
C	19DEC16	CR		ADDED COMPRESSED AIR DELIVERY BIMBA & SOLENOID VALVE
D	10JAN17	GFC		FITTING ORIENTATION CHANGE, FITTING CHANGE
E	12JAN17	GFC	CTR	ITEM 26 ADDED
F	15MAY17	CR		CHANGED DETENT SOLENOID COIL
G	02OCT17	GFC	CR	UPDATED PARTS LIST

ITEM	QT.	PartNo	DESCRIPTION
1	3	M007RVR119-151BR6	INGERSOLL RAND SERIES M007 AIR MOTOR
2	23	5182K119	316 SST FITTING 3/8 TUBE X 1/4 MNPT, MMC
3	6	9833K22	AIR MOTOR SOLENOID VALVE VENT, 1/4 NPT, MMC
4	3	A712 SD 120-A3	SOLENOID VALVE, 4 WAY BODY PORTED, INGERSOLL RAND
5	3	45385K550	3/8" CHECK VALVE, YOR-LOK FITTING, MMC
6	3	5182K807	FITTING, .25 IN X .125 MNPT, MMC
7	1	48805K631	CROSS 1/4 NPT 316 SST PIPE FITTING, MMC
8	1	M-503 DXP SP	PNEUMATIC ACTUATOR, BIMBA M-503 DXP SPECIAL
9	2	5182K436	3/8" COMPRESSION TUBE T FITTING, 316 SST, YOR-LOK, MMC
10	1	9164K120	QUICK-EXHAUST AIR VALVE, FLOW CONTROL, MMC
11	1	CAT44P-00N	VALVE, INGERSOLL RAND
12	1	116218-39	SOLENOID COIL, INGERSOLL RAND
13	1	CSN	SOLENOID COIL CONNECTOR, INGERSOLL RAND
14	1	5182K811	TYPE 316 SST 3/8 TUBE X 1/4 MNPT, YOR-LOK TUBE FITTING, MMC
15	1	4456K11	VENT .125 MNPT STAINLESS, MMC
16	1	FS-371-6FP	QUICK DISCONNECT COUPLER FEMALE NPT, PARKER
17	1	FS-372-6FP	MALE QUICK DISCONNECT 3/8" MNPT, PARKER
18	1	48805K471	PRECISION EXTREME-PRESS 316 SST FNPT PIPE FITTING, MMC
19	2	54635K8	FLEX COILED TUBE SWIVELING 3/8" MNPT ENDS, MMC
20	1	S22U4C-DS-24-01	SOLENOID VALVE, 4 WAY, PNEUMADYNE
21	1	5182K364	TEE, 316 SST, YOR-LOK 3/8 IN - 1/4 IN, MMC
22	1	PTCSL-14-316-V	FITTING, .25IN ONE TOUCH BANJO
23	2	BESWICK PTC-14	FITTING .25 IN ONE TOUCH
24	1	FOR-040.4-BH	PNEUMATIC ACTUATOR, BIMBA
25	1	5182K434	TEE, 1/4", 316 SST, TUBE YOR LOK, MMC
26	1	5182K821	TUBE FITTING, YOR-LOK, 1/4 X MALE 1/8" NPT, 90, MMC
27	1	5182K142	TUBE FITTING, YOR-LOK, 1/4 X 1/4 MALE NPT, 90, MMC
28	2	51205K313	PIPE REDUCER, MALE 1/4 NPT X FEMALE 3/8 NPT, SST, MMC

NOTES AND ADDITIONAL BOM MATERIAL:

- DRAWING IS FOR SCHEMATIC USE ONLY, TUBE LINES SHOW CONNECTIVITY ONLY
- PURCHASE .375 OD STAINLESS STEEL TUBE 2X50 FEET MC 89895K737 FOR ALL 3/8 INCH TUBE CONNECTIONS
- PURCHASE FLEX TUBE MC 1487T1 .25 IN O.D. CLEAR PVC TUBE TO CONNECT ITEM 24 TO ITEM 25
- PURCHASE QTY 2 OF MC 5644K55 FOR CUSTOM SIZING FLEXIBLE COILED SUPPLY AND EXHAUST
- DRIVE SEQUENCE FOR AIR MOTOR ACME NUTS: 1. BALL 2. GROOVE 3. FLAT

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN MILLIMETERS & TOLERANCES ARE AS FOLLOWS: X: ±0.25mm X.X: ±0.10 mm X.XX: ±0.01 mm	
ANGLES: ±0.5° FINISH: 3 MICRONS (µm) BREAK ALL SHARP EDGES & CORNERS .25mm MAX	
MATERIAL	FINISH
NA	--

	DRAWN: C. RATLIFF CHECKED: GC DESIGNED: C. RATLIFF ENGINEER: NA	12/6/16 12/16/16	KECK 1 DEPLOYABLE TERTIARY MIRROR STATOR OUTER DRUM AIR MOTOR AND DETENT COMPRESSED AIR PLUMBING
	SW DOCUMENT FILE 872-LM3136	QUANTITY 1	PROJECT CODE K1D3DD DWG NO 872-LM3136 KDM3000

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