

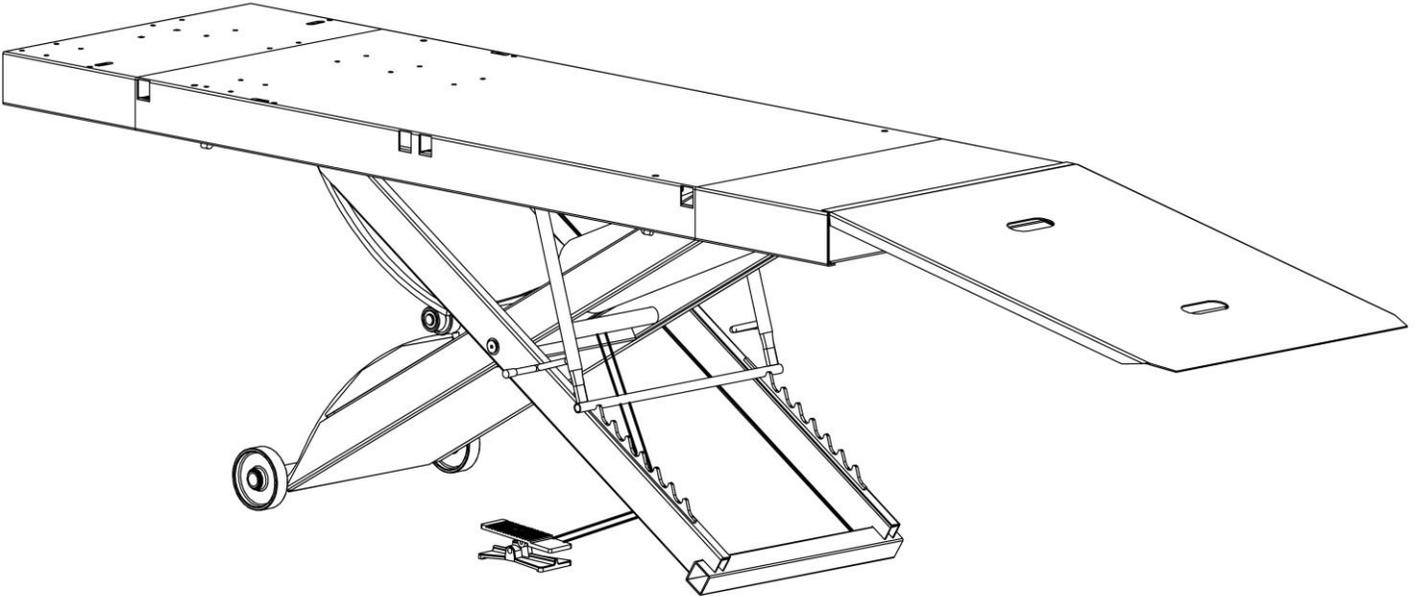


# S.A.M.2 1000 AIR LIFT

λ INSTRUCTIONS λ PARTS DRAWING λ PART LIST

ITEM # 16900G - 16900O - 16900R - 16900B

**⚠ WARNING: READ INSTRUCTIONS BEFORE OPERATING**



1. Center load on table - 1000 lb. maximum.
2. Connect to 110 psi maximum shop air.
3. Keep safety bar in position at all times - except when lowering.
4. Keep hands and tools from under carriage.
5. Do not mount table when in elevated position.
6. Do not ride vehicle onto lift.
7. Lift must be in the lowered position when moving.
8. Only trained persons should operate Air Lift.
9. The working area should be sufficiently lit.
10. Foot controller should be at least 3 feet away from Air Lift during raising and lowering operation.
11. Recommended for indoor use only.
12. Tie-down straps must be used in conjunction with the holes provided in the lift top.



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**▲ NOTE: READ ENTIRE MANUAL TO COMPLY WITH ALL SAFETY AND SERVICE PRECAUTIONS. DEATH, PERSONAL INJURY AND/OR PROPERTY DAMAGE MAY OCCUR UNLESS INSTRUCTIONS ARE FOLLOWED CAREFULLY.**

## **UNPACKING AND SET-UP**

1. Open carton, then remove ramp, drop panel and shipping boards.
2. **CAREFULLY TURN TABLE UPRIGHT INTO OPERATING POSITION BEFORE REMOVING SHIPPING CABLE RESTRAINT FROM SCISSOR MECHANISM.**

- ▲ 3. Remove the two shipping bolts attaching rear drop panel to lift top. The bolts are located under drop panel and lift top at each end.
4. Connect foot-operated air valve to 110 psi maximum air supply. The lift may be damaged and/or personal injury may result if the pressure exceeds the maximum 110 psi rating.
5. Stand clear of lift table, and depress the UP side of foot valve to raise table.
6. To lower table, lift detent bar from safety latch and lower to next position or to floor.
7. To level front or rear drop panels: adjust set screws up or down through access holes in each corner of lift top to gain level work platform. See print.
8. Slide front & rear drop panels into place and lift to lock in place at end of tube.
9. Insert ramp mounting tabs into slots at either end of table to mount ramp.

**NOTE:** If cycle vise is being installed, ramp must be mounted opposite the cycle vise.

## **OPERATION**

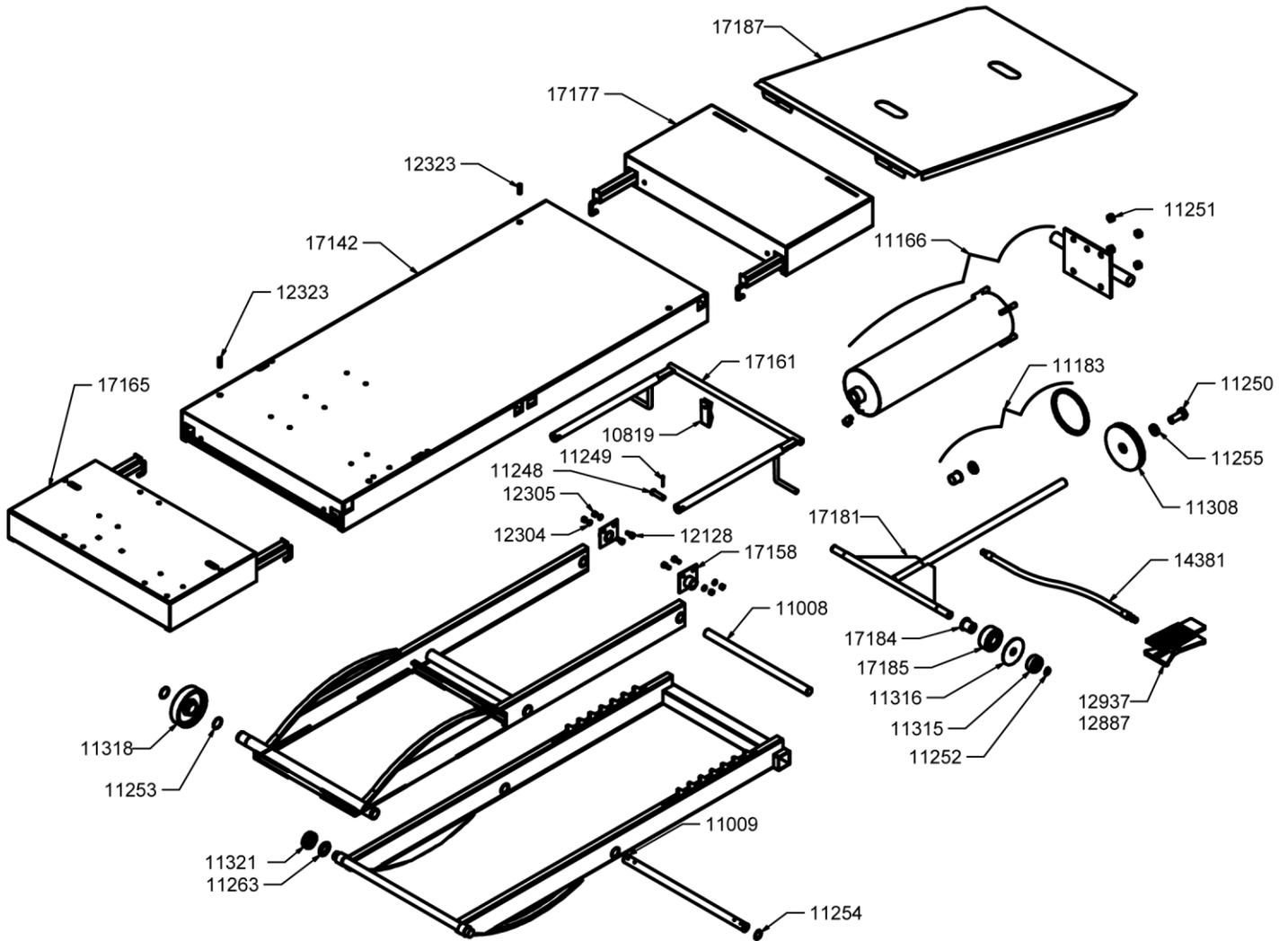
- ▲ 1. Loads must be centered on table at all times. Table is rated for a maximum load of 1000 lbs.
- ▲ 2. Loads must be firmly positioned and secured on table at all times. Tie-down straps **must** be used in conjunction with the holes provided in the lift top.
3. All moving parts have been lubricated at the factory and should be re-lubricated every 6 months to prevent galling. Grease zerks are located at each end of frame pivot shaft and at top ends of inside frame assembly.
4. Lightly oil cylinder rod when it becomes dry.
5. Squirt some oil through bleed hole in plate end of cylinder to lubricate piston and its seal every 6 months.
6. Pivot shaft set screws should be checked frequently to be sure they are tight. These are located at the top end of the inside frame assembly.

## **OTHER OPTIONS AVAILABLE**

Separate installation instructions included with each option.

14476	CV-17 CYCLE VISE – Used to stabilize motorcycle while on lift
16901	10" SIDE EXTENSIONS – (2) Expands width of lift to a full 48"

## PARTS DRAWING - PARTS LIST



PART No.	DESCRIPTION	PART No.	DESCRIPTION
10819	DETENT BAR CLIP	11321	TRACK BEARING
11008	CYLINDER PIVOT SHAFT	12128	SCREW 5/16-18 X 3/4 HHCS GRADE
11009	PIVOT SHAFT	12304	LOCKWASHER 5/16 SPLIT PLATED
11009	SHAFT FRAME PIVOT	12305	HEX NUT 5/16-18
11166	CYLINDER WITH END PLATE	12323	SCREW SET 3/8-16X1 1/4 CUP PT
11183	CYLINDER KIT REPLACEMENT	12348	FITTING 1/4 STREET L 1/4X1/4 116-AB
11248	CLEVIS PIN	12887	REPLACEMENT VALVE STEM
11249	COTTER PIN	12937	REPLACEMENT FOOT PEDAL
11250	3/4-10 HEX HEAD SCREW	14381	AIR HOSE ASSEMBLY
11251	HEX NUT 1/2-13	17142	TOP ASSEMBLY
11252	RETAINING RING CAM BEARING	17158	BEARING BRKT ASSEMBLY
11253	RETAINING RING WHEEL	17161	DETENT BAR
11254	RETAINING RING PIVOT SHAFT	17165	WISE END DROPLEAF ASSEMBLY
11255	3/4" SPLIT LOCKWASHER	17177	RAMP END DROPLEAF ASSEMBLY
11263	WASHER 1 3/4 X 1 1/32 ID MACH	17181	CYLINDER SHAFT
11308	PISTON	17184	INSIDE CAM BEARING BUSHING
11315	OUTSIDE CAM ROLLER BEARING	17185	INSIDE CAM ROLLER BEARING
11316	CAM BEARING SPACER	17187	RAMP ASSEMBLY
11318	CAST WHEEL	22399	COMPLETE REPLACEMENT CYLINDER

### Limited Lifetime Warranty

Handy, Division of Janco Industries, Inc. is providing a limited lifetime warranty on its motorcycle lift line. This Lifetime Limited Warranty is available on lifts that have a serial number the same as or greater than those listed. Standard 1000 air and electric #ST 0138, SAM 1000 air and electric #S 0082, SAM2 1000 air #S2 0020, BOB 1500 air #B 0100, Electric/Hydraulic 1500 #H 0008, Gruntavore 1800 #GR 0004, B.U.L. (all serial numbers), Dual Lift (all serial numbers). The purchaser must provide Handy with a legible copy of the purchase receipt to obtain this warranty. The purchaser must provide Handy notice of the defect and establish that the equipment was properly set up, maintained and operated within the limits of rated and normal usage. Handy, Division of Janco Industries, Inc. reserves the right to have its product shipped back to the factory for inspection to ensure the lift was not being used above its rated limits and capacity. The purchaser is responsible for freight charges until a determination is made by Handy. Handy will reimburse the purchaser if it is determined that he or she was not using lift above the rated capacity. This warranty covers the structure of the following models of Handy lifts: Standard 1000, SAM 1000, SAM2 1000, BOB 1500, Electric/Hydraulic 1500, Gruntavore 1800, B.U.L., Dual Lift. Attachments for these lift models are not included in the limited lifetime warranty. This warranty only covers the structure of the lift itself. It does not cover any cost of labor, transportation, freight, installation, misuse, abuse, or rust or failure of the air cylinder and/or foot pedal due to rust and or moisture. Also excluded in this warranty are items that were purchased for the Handy lift and installed on it at the factory such as electric motors, hand-held pendants and bearings. Parts considered wearable carry a 90-day warranty. All other parts excluded from the lifetime warranty carry a 1-year warranty from time of purchase. If the lift is purchased from a un-authorized distributor, eBay or other online service, you are not eligible to receive the limited lifetime warranty for the structure of the lift. This warranty is only offered to the original purchaser and is non-transferable. It must be purchased from Handy, Division of Janco Industries, Inc. or one of its authorized distributors.



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