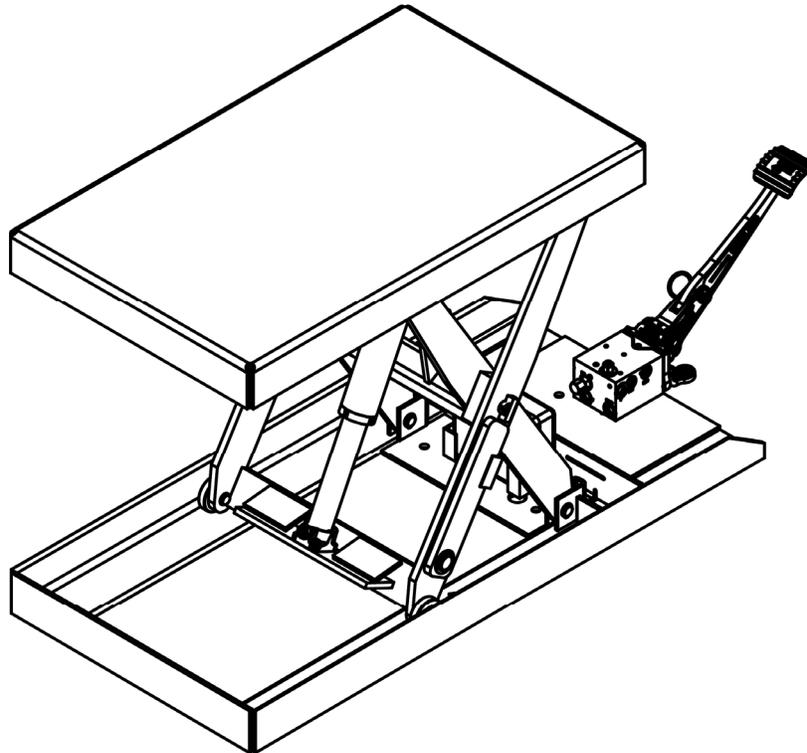




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SCTAB-FP Scissor Tables with 2-Speed Auto-Shifting Foot Pump Instruction Manual



Receiving instructions:

After delivery, IMMEDIATELY remove the packaging from the product in a manner that preserves the packaging; then inspect the product closely to determine whether it sustained damage during transport. If damage is discovered during the inspection, immediately record a complete description of the damage on the bill of lading. If the product is undamaged, discard the packaging.

NOTE:

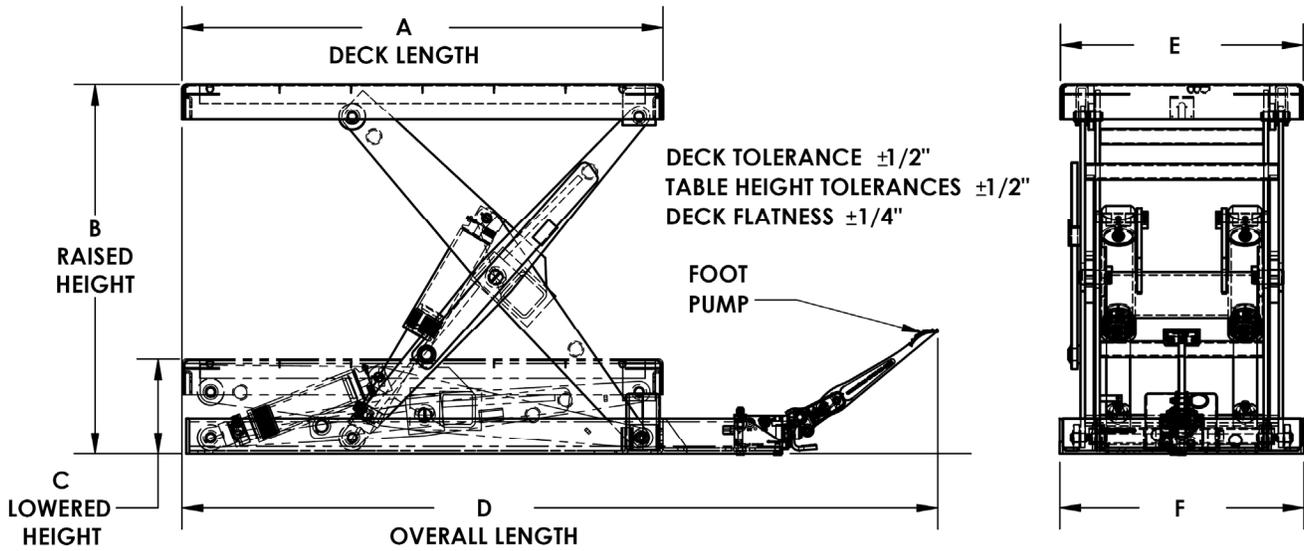
Responsibility for complying with laws, regulations, codes, and non-voluntary standards enforced in the location where the product is used lies exclusively with the end-user.

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Specifications:

Dimensions for various table configurations as well as net weight and capacity information appear in the following diagrams and table.



Model	A	B	C	D	E	F	Capacity	Net weight
SCTAB-500-2033-FP	33 ³ / ₈ ”	28”	6”	56 ¹ / ₁₆ ”	20 ³ / ₈ ”	20 ¹ / ₂ ”	500 lb. 227.3 kg	221 lb. 100.5 kg
*SCTABD-750-2040-FP	40 ³ / ₈ ”	35 ¹ / ₄ ”	*7”	61 ⁷ / ₁₆ ”	20 ³ / ₈ ”	20 ¹ / ₂ ”	750 lb. 340.9 kg	249 lb. 113.0 kg
SCTABD-1000-2033-FP	33 ³ / ₈ ”	34”	7”	56 ¹ / ₁₆ ”	20 ³ / ₈ ”	20 ¹ / ₂ ”	1,000 lb. 454.5 kg	247 lb. 111.9 kg
SCTAB-1000-2040-FP	40 ³ / ₈ ”	32”	8”	63 ¹ / ₁₆ ”	20 ³ / ₈ ”	20 ¹ / ₂ ”	1,000 lb. 454.5 kg	259 lb. 117.5 kg
SCTAB-2000-2040-FP	40 ³ / ₈ ”	32”	8”	63 ¹ / ₁₆ ”	20 ³ / ₈ ”	20 ¹ / ₂ ”	2,000 lb. 909.1 kg	272 lb. 123.6 kg
SCTAB-2000-3240-FP	40 ³ / ₈ ”	32”	8”	65”	32 ³ / ₈ ”	32 ¹ / ₂ ”	2,000lb. 909.1 kg	337 lb. 153.2 kg
**SCTAB-2000-4242-FP	42 ³ / ₈ ”	32”	**8”	64 ⁹ / ₁₆ ”	42 ³ / ₈ ”	32 ¹ / ₂ ”	2,000 lb. 909.1 kg	358 lb. 162.8 kg
SCTAB-2500-2040-FP	40 ³ / ₈ ”	31 ¹ / ₈ ”	8”	63 ⁷ / ₁₆ ”	20 ³ / ₈ ”	20 ¹ / ₂ ”	2,500 lb. 1136.4 kg	291 lb. 132.0 kg

*In lowered configuration, the deck overhangs the front of the frame by 5³/₈”.

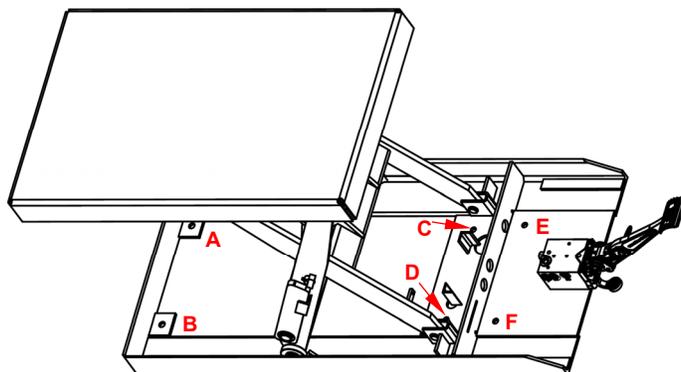
**In lowered configuration, the deck overhangs the front of the frame by 1⁵/₈”.

Installation:

This table must be anchored to a reinforced concrete foundation with 1/2” anchor bolts of adequate length determined by your building engineer.

- Foot Pump models: Install anchor bolts through bolt holes A, B, E, & F.
- DC Modular Power Unit models: install anchor bolts at points A, B, C, & D.

Periodically inspect the anchor points. If bolts have loosened, tighten them. Examine the concrete around the anchor points for damage. If the unit can no longer be solidly anchored at its current location, install the table in a new location.



SIGNAL WORDS

This manual uses SIGNAL WORDS to indicate the likelihood of personal injuries, as well as the probable seriousness of those injuries, if the product is misused in the ways described. Other signal words call attention to uses of the product likely cause property damage. The signal words used appear below along with the meaning of each word:



DANGER Identifies a hazardous situation which, if not avoided, WILL result in DEATH or SERIOUS INJURY. Use of this signal word is limited to the most extreme situations.



WARNING Identifies a hazardous situation which, if not avoided, COULD result in DEATH or SERIOUS INJURY.



CAUTION Indicates a hazardous situation which, if not avoided, COULD result in MINOR or MODERATE injury.



NOTICE Identifies practices likely to result in product/property damage, such as operation that might damage the product.

Hazards of Improper Use:

We strive to identify foreseeable hazards associated with the use of our products. However, material handling is dangerous and no manual can address every risk. Exercise sound judgment whenever using the table.



WARNING Improper or careless operation might result in serious personal injuries.

- ***Failure to read and understand the entire manual before assembling, using or servicing the product constitutes misuse.*** Read the manual to refresh your understanding of proper use and maintenance procedures as necessary.
- DO NOT attempt to lift a load that weighs more than the capacity of your table. The capacity appears on label 287 as shown in “Labeling diagram” on p. 13. (Also see “Specifications” on p. 2. If the maximum rated load displayed on label 287 differs from information on p. 2, the number shown on the label should be deemed correct.)
- DO NOT allow people to stand or sit on either the table or the load.
- Stand clear of the table while raising or lowering the tabletop.
- Keep clear of pinch points while the tabletop rises and lowers.
- DO NOT reach through the legs or under the tabletop unless it is supported by the maintenance stop(s).
- DO NOT use this table in corrosive environments. The table is designed for use in non-classified environments.
- ONLY install the table on compacted, improved surfaces capable of supporting the combined weight of the table and a full capacity load.
- DO NOT perform maintenance on this table UNLESS it is unloaded and maintenance stops are in place. If repairs are necessary, ONLY install manufacturer-approved replacement parts.
- Center and evenly distribute loads on the tabletop. Secure loads to the tabletop if they are likely to roll or slide.
- DO NOT use the table unless it is in normal operating condition. Inspect the unit before each use according to the inspection instructions on p. 12-13 to determine whether the unit is functioning normally. DO NOT use the table unless it passes every part of the inspection or until it is restored to normal condition.
- ALWAYS observe the table while raising and lowering the tabletop. It should rise smoothly and evenly from side-to-side. Watch for binding or jerky movement and listen for unusual noises.
- DO NOT continue to try to raise the tabletop if it is already fully elevated.
- Before leaving the table unattended, unload it. Relieve hydraulic pressure by pressing the release lever and holding it until the tabletop is fully lowered.
- DO NOT use the tabletop UNLESS all labels are in place and readable (see “Labeling diagram” on p. 13).
- DO NOT modify this product in any way. Modifications automatically void the limited warranty and might make the table unsafe to use.



NOTICE Proper use and maintenance are essential for this product to function properly.

- Periodically lubricate moving parts.
- Keep the table clean & dry. Do not install the table where it will be exposed to the elements.
- Only use approved replacement parts. To order replacement or spare parts for this equipment, contact the technical service department.

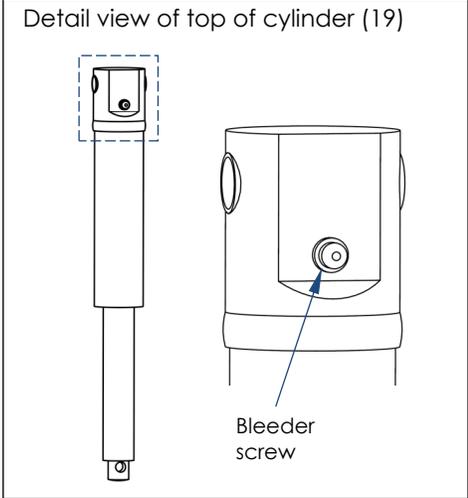
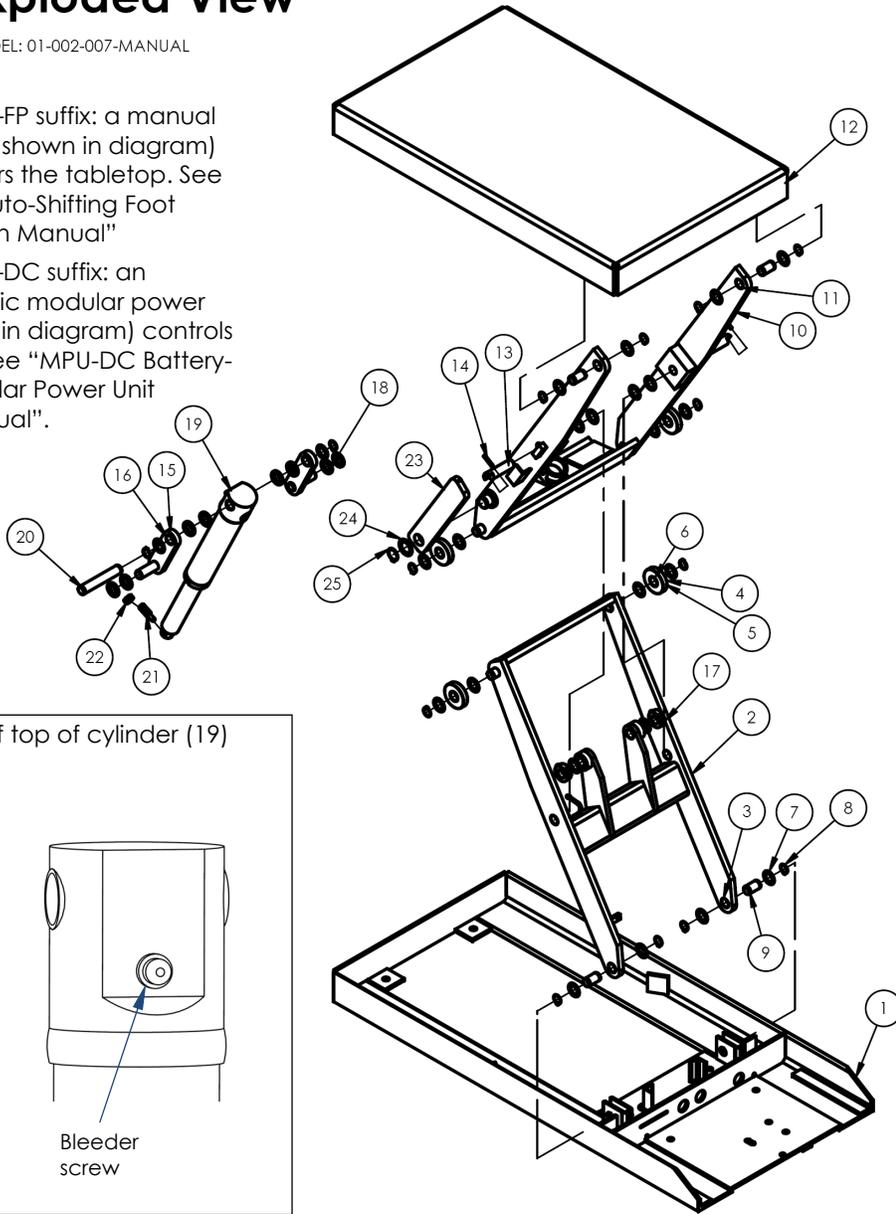
SCTAB-500-2033-DC, SCTAB-500-2033-FP Exploded View

MODEL: 01-002-007-MANUAL

NOTES:

1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"

2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".

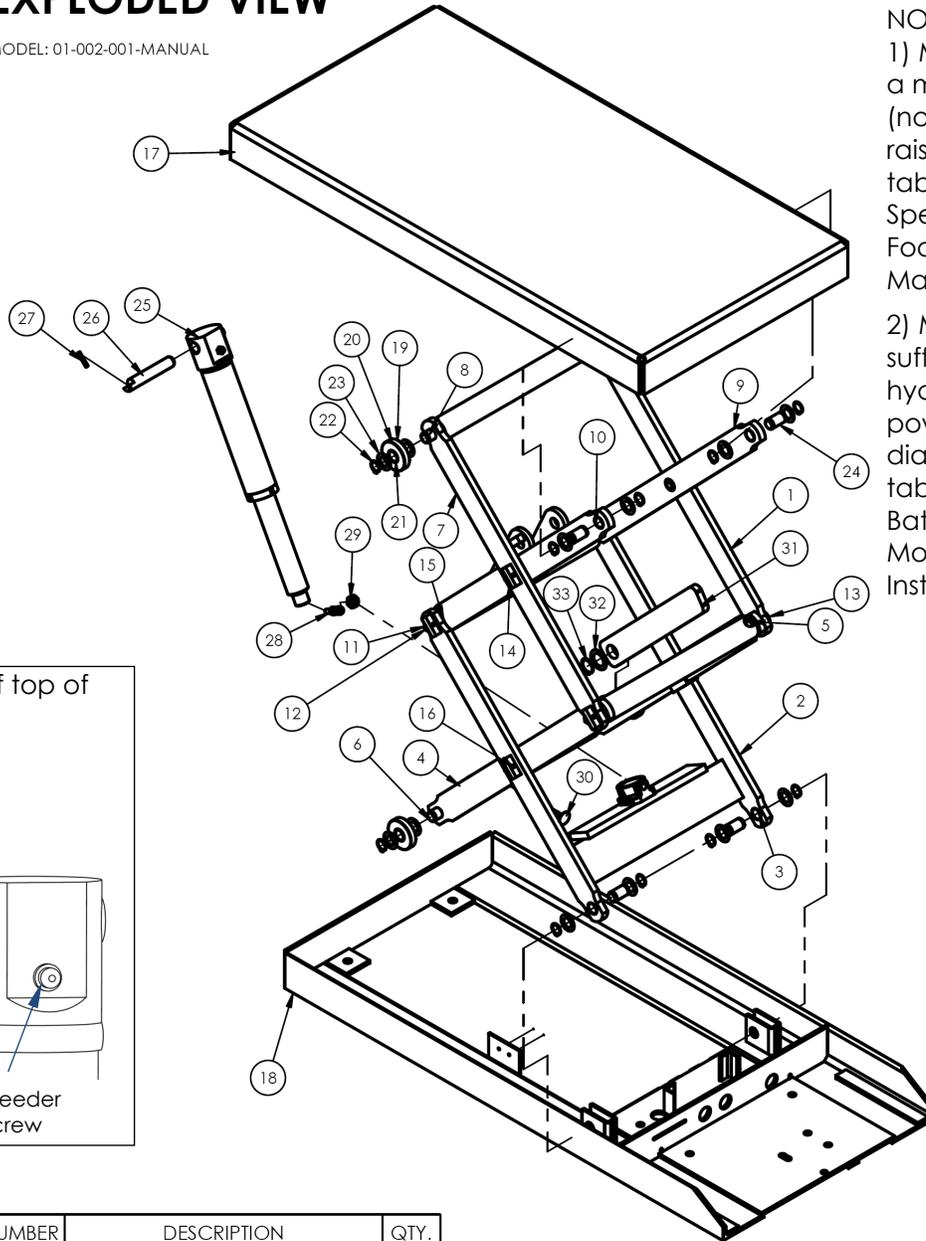


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	01-514-021	WELDMENT, FRAME	1
2	01-510-016	WELDMENT, LEG, INNER	1
3	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	2
4	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
5	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
6	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
7	01-113-001	SPACER/SHIM (MCH BUSHING)	24
8	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	14
9	01-112-009	PIN, HINGE PIVOT	4
10	01-510-017	WELDMENT, LEG, OUTER	1
11	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
12	01-513-007	WELDMENT, DECK 20" X 33"	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	01-112-013	PIN, AXLE	2
14	64134	SPRING PIN	2
15	01-511-002	WELDMENT, CYLINDER SWIVEL BRACKET	2
16	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
17	34308	SPLIT SHAFT COLLAR, LOW CARBON STEEL, BLACK OXIDE FINISH, Ø3/4"	2
18	33426	MACHINED BUSHING, LOW CARBON STEEL, PLAIN FINISH, Ø3/4"	8
19	99-021-915-001	CYLINDER, HYDRAULIC, Ø1 1/2" x 7", RAM STYLE	1
20	01-112-017	PIN, HINGE PIVOT	1
21	01-118-002	BOLT, CYLINDER RETAINING	1
22	36209	1/2 - 13 HEX JAM NUT PLAIN	1
23	01-037-009	MAIN PROP. CART	1
24	33444	MACHINE BUSHING, Ø1 X 18 GA.	1
25	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1

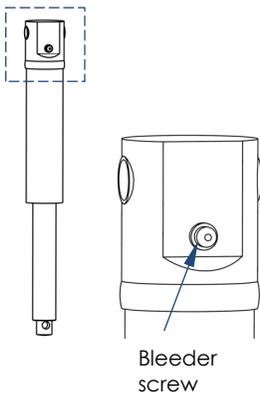
SCTABD-750-2040-FP, SCTABD-750-2040-DC EXPLODED VIEW

MODEL: 01-002-001-MANUAL



NOTES:
 1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"
 2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".

Detail view of top of cylinder (25)



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	01-510-005	WELDMENT, LEG, DOUBLE SCISSOR	1
2	01-510-008	WELDMENT, LOWER OUTER LEG ASSY	1
3	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	2
4	01-510-009	WELDMENT, LOWER INNER LEG	1
5	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	4
6	01-112-007	PIN, ROLLER	2
7	01-510-010	WELDMENT, UPPER OUTER LEG	1
8	01-112-007	PIN, ROLLER	2
9	01-510-011	WELDMENT, UPPER INNER LEG	1
10	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	6
11	01-612-011	WELDMENT, PIN, END AXLE	2
12	01-112-011	PIN, END AXLE	1
13	33426	MACHINED BUSHING, LOW CARBON STEEL, PLAIN FINISH, Ø3/4"	1
14	01-112-012	PIN, AXLE	4
15	01-113-001	SPACER/SHIM (MCH BUSHING)	16
16	64134	SPRING PIN	6
17	01-513-005	WELDMENT, DECK	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
18	01-514-004	WELDMENT, FRAME	1
19	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
20	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
21	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
22	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	12
23	01-113-001	SPACER/SHIM (MCH BUSHING)	16
24	01-112-009	PIN, HINGE PIVOT	4
25	99-021-915-001	CYLINDER, HYDRAULIC, Ø1 1/2" x 7", RAM STYLE	1
26	01-112-010	PIN, CYLINDER PIVOT	1
27	64134	SPRING PIN	1
28	01-118-002	BOLT, CYLINDER RETAINING	1
29	36209	1/2 - 13 HEX JAM NUT PLAIN	1
30	22805	ELEVATOR BOLT, LIMIT SWITCH	1
31	01-037-011	MAINPROP. CART	1
32	33444	MACHINE BUSHING, Ø1 X 18 GA.	1
33	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1

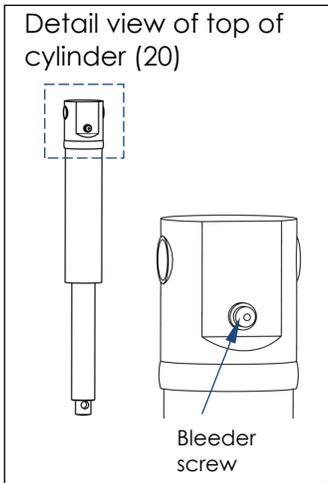
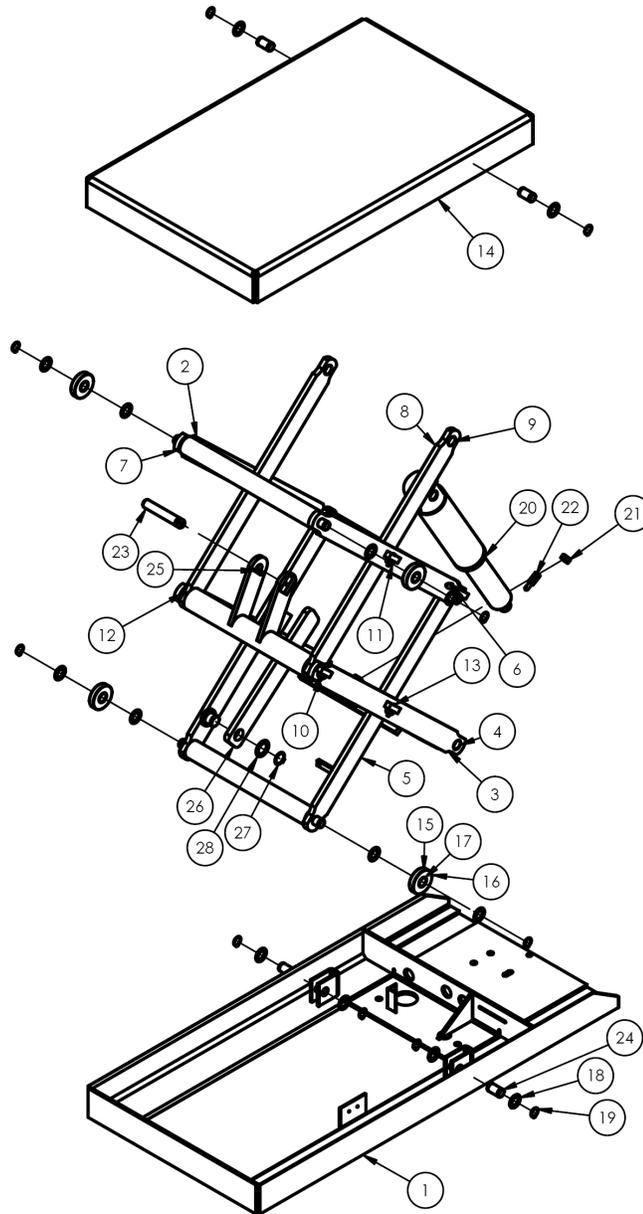
SCTABD-1000-2033-FP, SCTABD-1000-2033-DC EXPLODED VIEW

MODEL: 01-002-355-MANUAL

NOTES:

1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"

2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".



28	33444	MACHINE BUSHING, Ø 1 X 18 GA	1
27	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1
26	01-037-011	MAINPROP, CART	1
25	64134	SPRING PIN	1
24	01-112-009	PIN, HINGE PIVOT	4
23	01-112-010	PIN, CYLINDER PIVOT	1
22	01-118-002	BOLT, CYLINDER RETAINING	1
21	36209	1/2 - 13 HEX JAM NUT PLAIN	1
20	99-021-950	CYLINDER, HYDRAULIC, Ø2" x 7", RAM STYLE	1
19	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	12
18	01-113-001	SPACER/SHIM (MCH BUSHING)	16
17	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
16	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
15	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

14	01-513-008	WELDMENT, DECK 20 X 33	1
13	64134	SPRING PIN	6
12	01-113-001	SPACER/SHIM (MCH BUSHING)	16
11	01-112-012	PIN, AXLE	4
10	01-612-011	WELDMENT, PIN, END AXLE	2
9	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	6
8	01-510-011	WELDMENT, UPPER INNER LEG	1
7	01-510-010	WELDMENT, UPPER OUTER LEG	1
6	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	4
5	01-510-009	WELDMENT, LOWER INNER LEG	1
4	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	2
3	01-510-008	WELDMENT, LOWER OUTER LEG ASSY	1
2	01-510-005	WELDMENT, LEG, DOUBLE SCISSOR	1
1	01-514-154	WELDMENT, FRAME	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

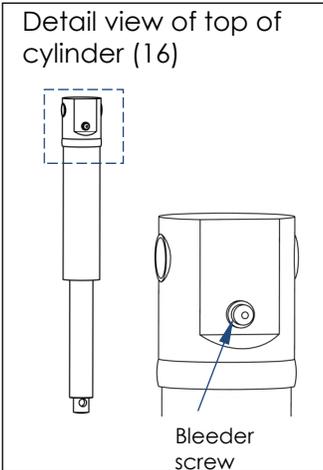
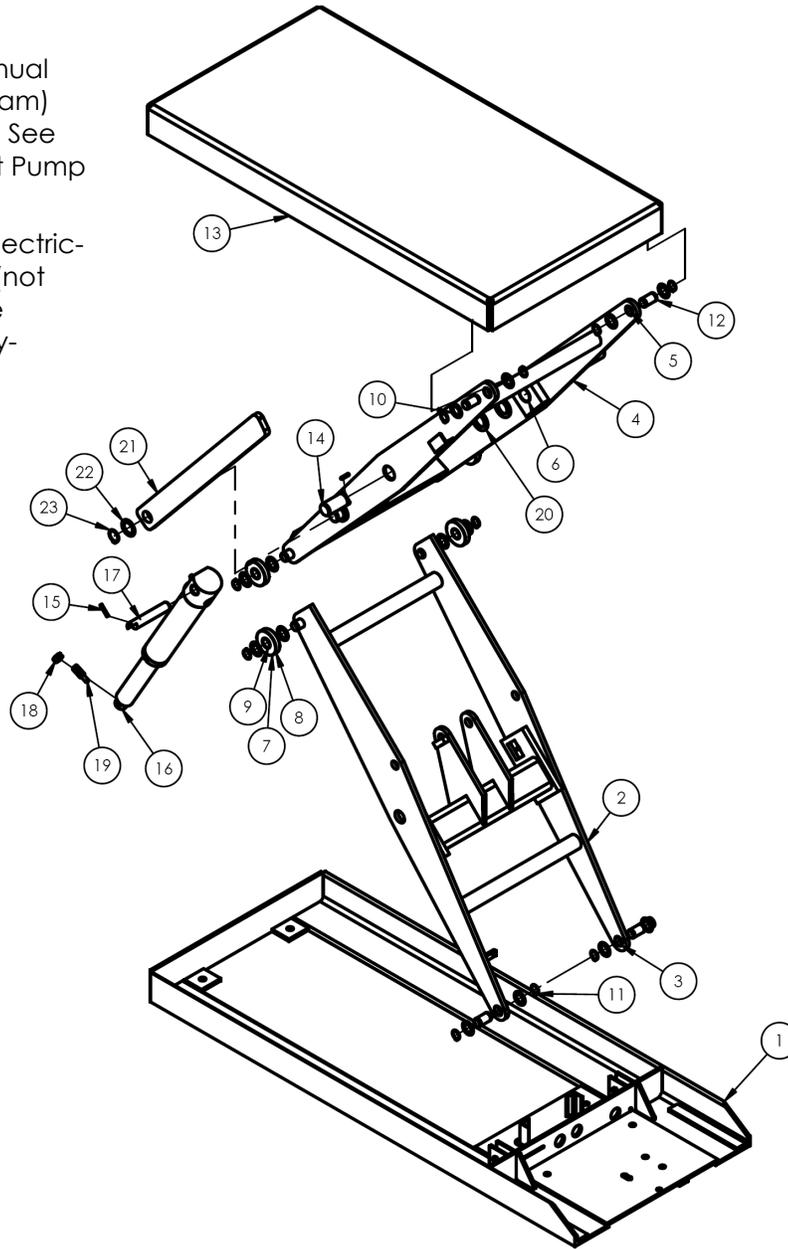
SCTAB-1000-2040-DC, SCTAB-1000-2040-FP EXPLODED VIEW

MODEL: 01-002-065-MANUAL

NOTES:

1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"

2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".



Detail view of top of cylinder (16)

Bleeder screw

23	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1
22	33444	MACHINE BUSHING, Ø1 X 18 GA.	1
21	24-037-001	MAIN PROP, EHLT	1
20	33456	MACHINERY BUSHING, PLAIN FINISH, Ø1 1/8" X 10 GA	2
19	01-118-002	BOLT, CYLINDER RETAINING	1
18	36209	1/2 - 13 HEX JAM NUT PLAIN	1
17	01-112-010	PIN, CYLINDER PIVOT	1
16	99-021-915-001	CYLINDER, HYDRAULIC, Ø1 1/2" x 7", RAM STYLE	1
15	64134	SPRING PIN	3
14	01-112-008	PIN, SCISSOR PIVOT	2
13	01-513-003	WELDMENT, DECK, 20" X 40"	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

12	01-112-009	PIN, HINGE PIVOT	4
11	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	12
10	01-113-001	SPACER/SHIM (MCH BUSHING)	16
9	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
8	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
7	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
6	01-111-005	BUSHING, POLYGON 1 1/8 ID X 1 LG	1
5	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
4	01-510-049	WELDMENT, LEG, OUTER	1
3	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
2	01-510-048	WELDMENT, LEG, INNER	1
1	01-514-076	WELDMENT, FRAME	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

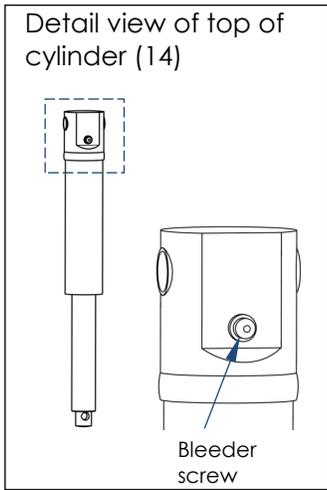
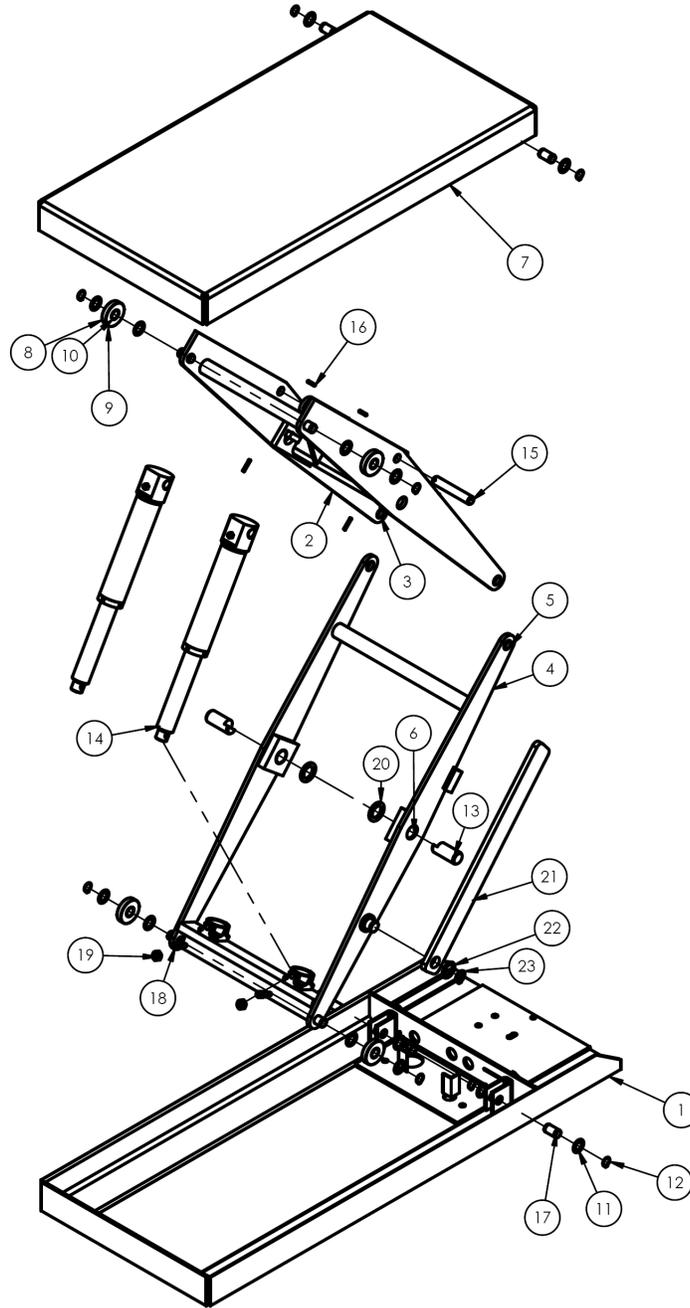
SCTAB-2000-2040-FP, SCTAB-2000-2040-DC EXPLODED VIEW

MODEL: 01-002-063-MANUAL

NOTES:

1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"

2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	01-514-076	WELDMENT, FRAME	1
2	01-510-006	WELDMENT, LEG SCISSOR, INNER	1
3	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
4	01-510-007	WELDMENT, LEG, SCISSOR, OUTER	1
5	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
6	01-111-005	BUSHING, POLYGON 1 1/8 ID X 1 LG	1
7	01-513-003	WELDMENT, DECK, 20" X 40"	1
8	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
9	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
10	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
11	01-113-001	SPACER/SHIM (MCH BUSHING)	16
12	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	12

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	01-112-008	PIN, SCISSOR PIVOT	2
14	99-021-915-001	CYLINDER, HYDRAULIC, Ø1 1/2" x 7", RAM STYLE	2
15	01-112-010	PIN, CYLINDER PIVOT	2
16	64134	SPRING PIN	4
17	01-112-009	PIN, HINGE PIVOT	4
18	01-118-002	BOLT, CYLINDER RETAINING	2
19	36209	1/2 - 13 HEX JAM NUT PLAIN	2
20	33456	MACHINERY BUSHING, PLAIN FINISH, Ø1 1/8" X 10 GA	2
21	24-037-001	MAIN PROP, EHLT	1
22	33444	MACHINE BUSHING, Ø 1 X 18 GA	1
23	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1

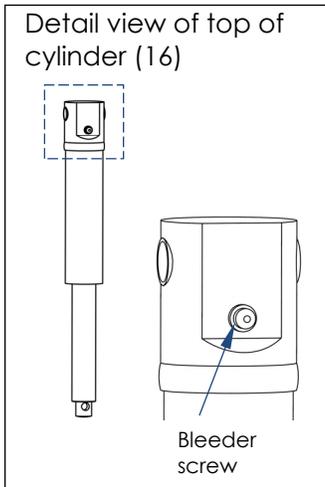
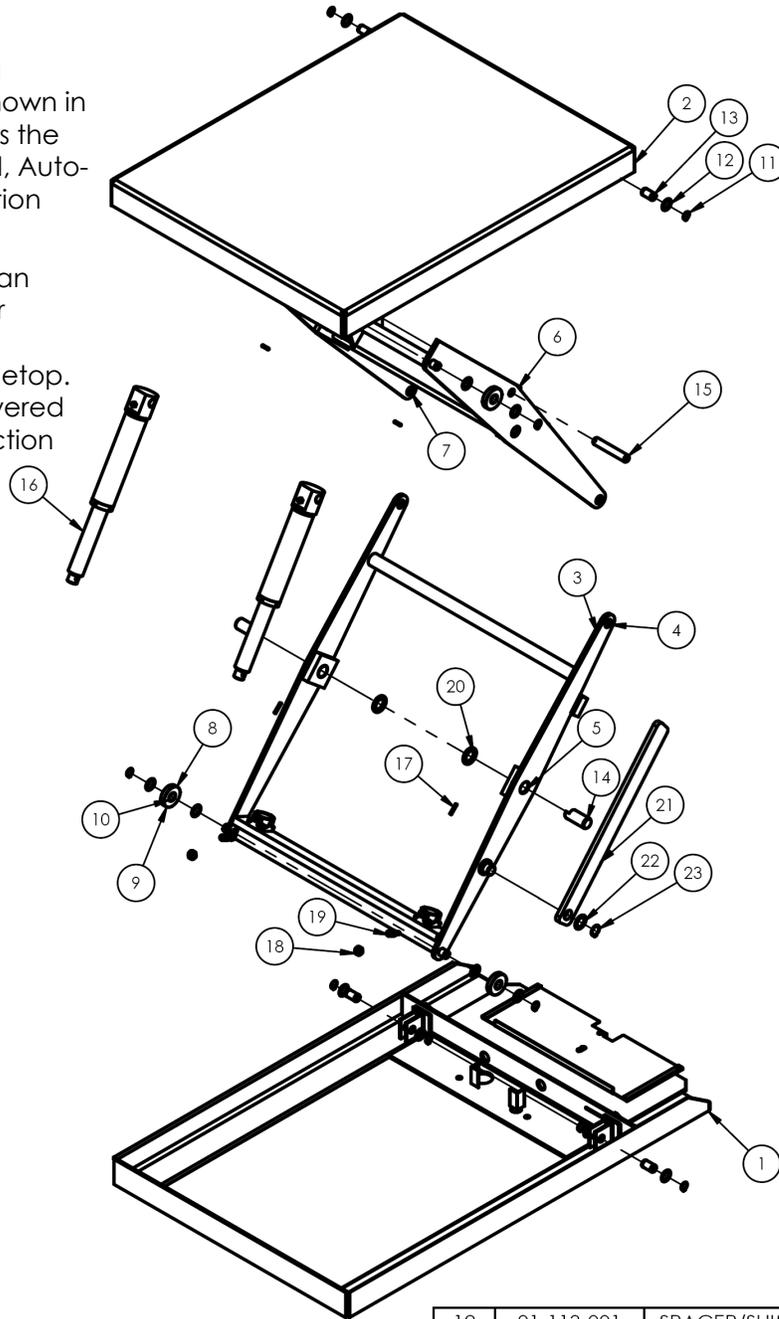
SCTAB-2000-3240-DC, SCTAB-2000-3240-FP EXPLODED VIEW

MODEL: 01-002-353-MANUAL

NOTES:

1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"

2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".



23	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1
22	33444	MACHINE BUSHING, Ø1 X 18 GA.	1
21	24-037-001	MAIN PROP, EHLT	1
20	33456	MACHINERY BUSHING, PLAIN FINISH, Ø1 1/8" X 10 GA	2
19	01-118-002	BOLT, CYLINDER RETAINING	2
18	36209	1/2 - 13 HEX JAM NUT PLAIN	2
17	64134	SPRING PIN	4
16	99-021-915-001	CYLINDER, HYDRAULIC, Ø1 1/2" x 7", RAM STYLE	2
15	01-112-010	PIN, CYLINDER PIVOT	2
14	01-112-008	PIN, SCISSOR PIVOT	2
13	01-112-009	PIN, HINGE PIVOT	4
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

12	01-113-001	SPACER/SHIM (MCH BUSHING)	16
11	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	12
10	01-111-008	BUSHING, POLYGON 3/4 ID X 1 1/2 LG	1
9	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
8	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
7	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
6	01-510-003	WELDMENT, LEG, SCISSOR, INNER	1
5	01-111-005	BUSHING, POLYGON 1 1/8 ID X 1 LG	1
4	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
3	01-510-004	WELDMENT, LEG, SCISSOR, OUTER	1
2	01-513-016	WELDMENT, DECK	1
1	01-514-002	WELDMENT, FRAME, SCTAB	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

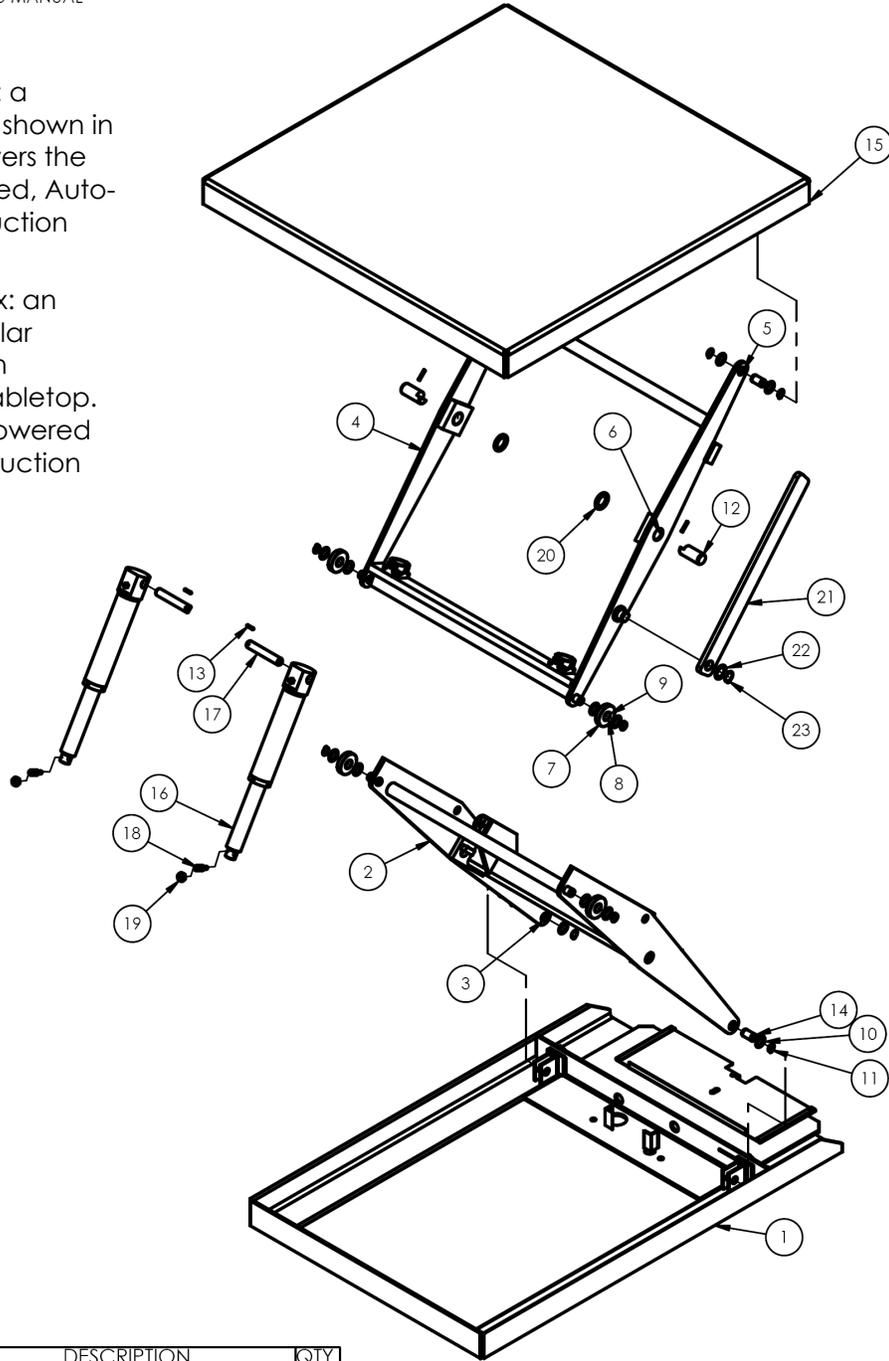
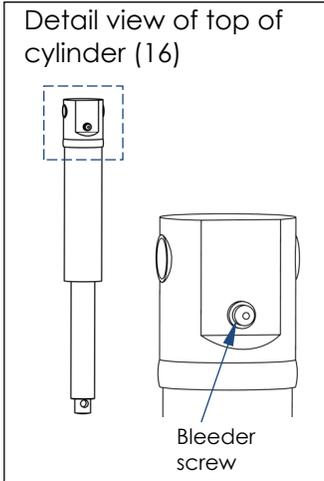
SCTAB-2000-4242-FP, SCTAB-2000-4242-DC EXPLODED VIEW

MODEL: 01-002-003-MANUAL

NOTES:

1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"

2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	01-514-002	WELDMENT, FRAME, SCTAB	1
2	01-510-003	WELDMENT, LEG, SCISSOR, INNER	1
3	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
4	01-510-004	WELDMENT, LEG, SCISSOR, OUTER	1
5	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
6	01-111-005	BUSHING, POLYGON 1 1/8 ID X 1 LG	1
7	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
8	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
9	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
10	01-113-001	SPACER/SHIM (MCH BUSHING)	16
11	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	12
12	01-112-008	PIN, SCISSOR PIVOT	2

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
13	64134	SPRING PIN	4
14	01-112-009	PIN, HINGE PIVOT	4
15	01-513-004	WELDMENT, DECK 42 x 42	1
16	99-021-915-001	CYLINDER, HYDRAULIC, Ø1 1/2" x 7", RAM STYLE	2
17	01-112-010	PIN, CYLINDER PIVOT	2
18	01-118-002	BOLT, CYLINDER RETAINING	2
19	36209	1/2 - 13 HEX JAM NUT PLAIN	2
20	33456	MACHINERY BUSHING, PLAIN FINISH, Ø1 1/8" X 10 GA	2
21	24-037-001	MAIN PROP, EHLT	1
22	33444	MACHINE BUSHING, Ø1 X 18 GA	1
23	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1

SCTAB-2500-2040-FP, SCTAB-2500-2040-DC EXPLODED VIEW

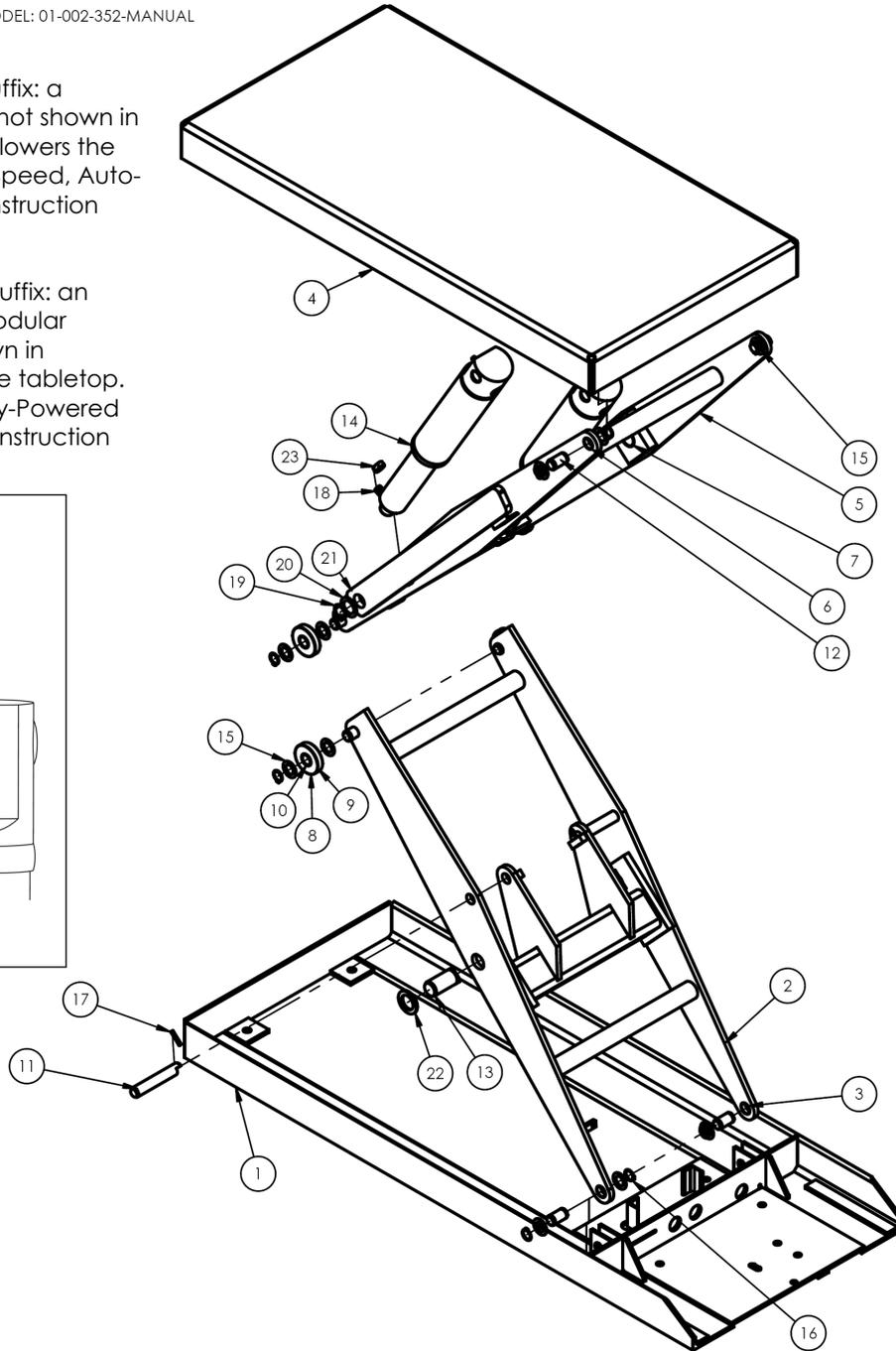
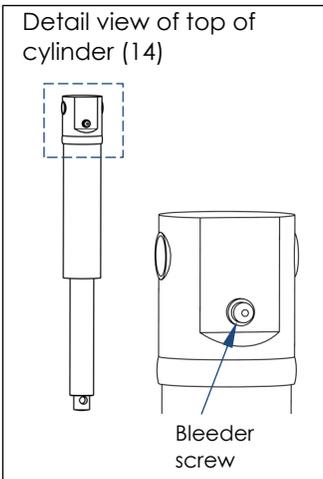
MODEL: 01-002-352-MANUAL

NOTES:

1) Models with -FP suffix: a manual foot pump (not shown in diagram) raises and lowers the tabletop. See "Two Speed, Auto-Shifting Foot Pump Instruction Manual"

2) Models with -DC suffix: an electric-hydraulic modular power unit (not shown in diagram) controls the tabletop. See "MPU-DC Battery-Powered Modular Power Unit Instruction Manual".

Detail view of top of cylinder (14)



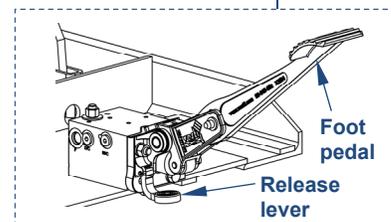
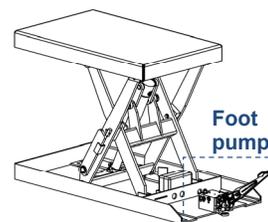
23	36209	1/2 - 13 HEX JAM NUT PLAIN	2
22	33456	MACHINERY BUSHING, PLAIN FINISH, Ø1 1/8" X 10 GA	2
21	24-037-001	MAIN PROP, EHLT	1
20	33444	MACHINE BUSHING, Ø 1 X 18 GA.	1
19	20-117-003	EXTERNAL RETAINING RING, 1" DIA SHAFT	1
18	01-118-002	BOLT, CYLINDER RETAINING	2
17	64134	SPRING PIN	4
16	38-117-001	RETAINER RING, EXTERNAL FOR Ø3/4 SHAFT	12
15	01-113-001	SPACER/SHIM (MCH BUSHING)	16
14	99-021-950	CYLINDER, HYDRAULIC, Ø2" x 7", RAM STYLE	2
13	01-112-008	PIN, SCISSOR PIVOT	2
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

12	01-112-009	PIN, HINGE PIVOT	4
11	01-112-010	PIN, CYLINDER PIVOT	2
10	01-111-008	BUSHING, POLYGON 3/4 ID X 1/2 LG	1
9	01-027-002	ROLLER, Ø2 1/4" X 1/2"	1
8	01-527-002	ROLLER, ASSY Ø2 1/4" X 1/2" W	4
7	01-111-005	BUSHING, POLYGON 1 1/8 ID X 1 LG	1
6	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
5	01-510-095	WELDMENT, LEG, SCISSOR OUTSIDE	1
4	01-513-003	WELDMENT, DECK, 20" X 40"	1
3	01-111-004	BUSHING, POLYGON 3/4 ID X 3/8 LG	1
2	01-510-006	WELDMENT, LEG SCISSOR, INNER	1
1	01-514-076	WELDMENT, FRAME	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

Using the Table:

All loads applied to the tabletop must be centered and evenly distributed. Loads should not overhang the deck, i.e. should be entirely contained within the deck area. The capacity of the table appears on the data label of your unit (see label 287 on p. 13). Capacity is the maximum *net* weight the table can support. Exceeding the capacity might result in personal injury and/or the table could be permanently damaged.

Elevate the tabletop by pressing and releasing the foot pedal. Pump the pedal as many times as necessary to achieve the desired tabletop elevation. Lower the tabletop by pressing the release lever. (See Autosifter instruction manual for detailed instructions about the operation of the foot pump). Elevate the tabletop to an ergonomic height before removing loads or to work on an item.



Bleeding Air from Hydraulic System:

If the tabletop lowers extremely slowly or not at all when the release lever is pressed, air might be caught in the cylinder. Air causes a safety feature called a velocity fuse to close. When the velocity fuse is closed, the tabletop will not lower. To correct this issue, bleed air from the system. A bleeder screw is located at the top of the cylinder (see appropriate "Exploded view" on pages 4-11). The bleeder screw includes a hose fitting for a small diameter hose. By attaching a hose to the screw, any oil that escapes during the bleeding process can be directed into a container for proper disposal.

To bleed air from the cylinder:

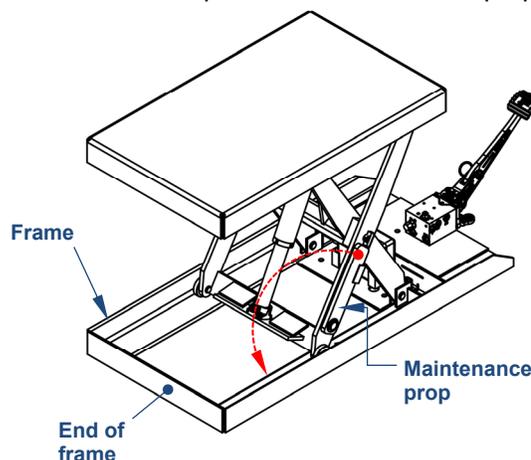
1. Raise the tabletop and deploy the maintenance prop (see diagram in "Inspections and Maintenance" section).
2. Lower the tabletop until it is entirely supported by the maintenance prop.
3. Pump the foot pedal once.
4. Slowly open the bleeder screw. Pressure generated by pumping the pedal causes air and oil to flow out of the bleeder screw. Pressure will drop as air and oil flow from the cylinder. To repressurize the system, close the bleeder screw and pump the pedal just once. Open the bleeder screw again to allow more trapped air to escape. Repeat this step until air is completely removed from the cylinder (i.e. only oil flows from the bleeder screw).
5. Check all of the hydraulic lines for oil leaks.
6. Close the bleeder screw and return the unit to service.

Inspections and Maintenance:

Before putting the table into regular service, make a written record of its appearance and operation. Pay particular attention to pivot points and pivot point hardware. Use the foot pump to cycle the tabletop up and down. Describe the motion of the legs and rollers. Describe sounds heard as the tabletop moves. Also include a description of the cylinders and pistons as they extend and retract. Each piston should extend and retract smoothly and at the same rate as the other. Indicate how much force is required to pump the foot pedal and to press the release lever. This record establishes **normal condition**. During future inspections, compare observations to the record to determine if a component is in normal condition. DO NOT use the table unless it is in normal condition.

Before inspecting or performing maintenance on the table, immobilize the tabletop with the maintenance prop.

1. Unload the table.
 2. Raise the tabletop to its maximum height.
 3. Rotate the maintenance prop into contact with the frame (see dotted arrow).
 4. Press the release lever and lower the tabletop until the maintenance prop presses against the end of the frame.
- (A) Before each use, check the table for any of the following conditions.
- Oil leaks;
 - Pinched or chafed hoses;
 - Deformation of legs, frame, or tabletop;
 - Unusual noise or binding while elevating/lowering the tabletop.
- (B) Monthly inspections:
- Check the oil level. Oil should be 1 in. to 1¹/₂ in. below the top of the reservoir/tank with the tabletop fully lowered. Check for oil leaks. Resolve the issue as described in "Troubleshooting" on p. 13-14. Add oil, if necessary.



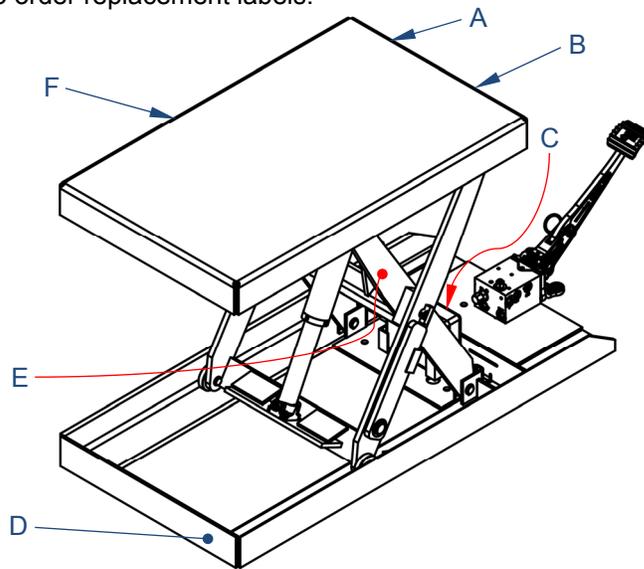
- Check the hydraulic hoses for wear, kinks, cuts, etc. Replace damaged hoses.
- Check hardware: roller bushings, axle pins and retaining rings, clevises, pivot points, and fasteners for severe wear and damage. Tighten fasteners. Replace all components that are severely worn or damaged.
- Inspect each leg roller for looseness and/or severe wear. Replace rollers as necessary.
- Cycle the tabletop. Listen for unusual noises; watch for abnormal movement. See "Troubleshooting" on p. 13-14.
- Make sure all labels are in place & in readable condition. See "Labeling diagram" on p. 13.
- Clean debris from all surfaces.

(C) Yearly:

Change the oil at least once a year. Oil should be changed as soon as it darkens, becomes gritty, or appears milky. Milky appearance indicates the presence of water. Replace the oil with AW-32 hydraulic fluid or its equivalent.

Labeling diagram:

The table should always be labeled as shown. Replace any label that is missing, damaged, or not easily readable (e.g. faded). Contact Vestil to order replacement labels.



A: Label 658

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
Do not operate or move with unstable loads DO NOT LOAD beyond rated capacity DISTRIBUTE LOAD EVENLY DO NOT sit or ride	No use a mueva con cargas inestables No cargue mas de la capacidad tasada DISTRIBUYA LA CARGA A NIVEL NO SE SIENTE o vaya en el carro	Ne pas utiliser avec une charge instable NE PAS CHARGER au-delà du débit nominale DISTRIBUER la charge régulièrement NE PAS VOUS ASSEOIR OU VOUS PROMENER sur le chariot
		658 rev. 0505

B: Label 287: Model & capacity

MODEL/MODELO/MODELE _____
STATIC CAPACITY (evenly distributed) _____ lbs.
LA CAPACIDAD CONSTANTE (distribuida uniformemente) _____ kgs.
CAPACITÉ STATIQUE (distribuée régulièrement) _____ kgs.
SERIAL/SERIE/SÉRIE _____
287 REV 0812

D: Label 269: Use maintenance prop

⚠ WARNING	⚠ ADVERTENCIA
INSTALL ALL SUPPLIED MAINTENANCE STOPS before any maintenance is preformed on unit. DO NOT perform maintenance with load on unit.	INSTALE TODAS LAS PARADAS DE MANTENIMIENTO SUMINISTRADAS antes de hacer cualquier reparación en la unidad. NO haga ninguna reparación con la unidad cargada.
	269 rev. 0611

C: Label 206 (on reservoir): Hydraulic oil specifications

ISO 32 / 150 SUS
HYDRAULIC OIL OR NON-SYNTHETIC TRANSMISSION FLUID ACEITE HIDRAULICO O LIQUIDOS DE TRANSMISION NO SINTETICOS HUILE OU LIQUIDE HYDRAULIQUE NON-SYNTHÉTIQUE
206 Rev. 1003
VESTIL MANUFACTURING CORPORATION • Phone (260) 665-7586 • www.vestil.com

E: Label 208: Keep clear of pinch point

⚠ WARNING	⚠ ADVERTENCIA	⚠ AVERTISSEMENT
KEEP CLEAR OF PINCH POINT	MANTENGASE ALEJADO DEL PUNTO DE CORTE	SE TENIR À DISTANCE DU POINT DE PINCEMENT
		208A

F: Label 824: Keep clear

⚠ DANGER		⚠ PELIGRO
To avoid bodily injury, stand clear while in motion.		Para evitar daños, mantengase alejado cuando en movimiento
		824

Troubleshooting:

NOTE: Use this guide in conjunction with the Troubleshooting section of your “Two-speed, auto-shifting foot pump instruction manual” (Autoshifter manual). Solutions in *italics* are found in the Autoshifter manual. Contact Vestil for assistance with issues not covered in this guide.

Issue	Explanation	Solution
1. Piston does not extend when I pump the pedal; tabletop does not move.	<ul style="list-style-type: none"> a. Too much weight applied (load exceeds capacity). b. Too little oil in hydraulic system. c. Pinched hydraulic hose. d. Relief valve pressure setting too low. 	<ul style="list-style-type: none"> a. Reduce load to within table capacity. b. Add oil until level is within one inch of top of reservoir. c. Correct as appropriate. d. Increase pressure setting as necessary, but NEVER more than 3,000psi
2. A lot of force is required to pump the pedal.	<ul style="list-style-type: none"> e. Autoshifter valve stuck in deactivated position. f. Load exceeds capacity. 	<ul style="list-style-type: none"> e. <i>Remove port plug (10) from port marked “UL” (on manifold); then remove piston. Inspect piston and springs.</i> f. Reduce load to be within capacity
3. Piston extends (table rises) only when table unloaded or pedal pumped rapidly; I can pump the pedal but the piston does not move (tabletop does not move).	<ul style="list-style-type: none"> g. Pump is air locked. h. Debris on seat of inlet check valve. i. Pressure setting of relief valve needs adjustment. j. Debris on seat of relief valve. 	<ul style="list-style-type: none"> g. <i>Remove air from the pump (see “Purging Air from Pump” on p. 2).</i> h. <i>Remove inlet check valve and clean debris from valve seat (the bottom of the cavity in pump body that valve fits into).</i> i. Increase pressure setting as necessary, but NEVER more than 3,000psi. j. <i>Remove relief valve and clean debris from valve seat in pump body.</i>
4. Tabletop rises during the down stroke of the pedal, but descends during the return stroke.	<ul style="list-style-type: none"> k. Outlet check valve stuck in open position. 	<ul style="list-style-type: none"> k. <i>Remove, disassemble, clean (with mineral spirits or kerosene), reassemble and reinstall outlet check valve assemblies.</i>
5. Have to keep pumping pedal to maintain tabletop height	<ul style="list-style-type: none"> l. Outlet check valve allowing oil to return to pump chamber. m. Release valve allowing oil to leak back to the tank. n. Unloader piston leaking. 	<ul style="list-style-type: none"> l. <i>Remove both outlet check valves. Clean valves. Score bottom of chamber for ball bearing.</i> m. <i>Remove release valve assembly, inspect, clean, & repair as necessary.</i> n. <i>Replace unloader O-ring.</i>
6. Piston extends very slowly when pumping. Tabletop rises slowly.	<ul style="list-style-type: none"> o. Autoshifter valve stuck in open/activated position (piston in) 	<ul style="list-style-type: none"> o. <i>Remove port plug (10) from port marked “UL” (on manifold (1)); then remove piston. Inspect piston and springs.</i>
7. Pump pedal feels spongy or piston extends in jerks	<ul style="list-style-type: none"> p. Debris interfering with leg rollers q. Oil level is low r. Air present in pump and/or cylinders 	<ul style="list-style-type: none"> p. Clean the inside of the frame and underside of deck as necessary. q. Add oil until level is within 1in. of top of reservoir. r. <i>Purge air by following “Purging Air from the Pump” and “Purging Air from the Cylinder” on p. 2.</i>
8. Piston retracts very slowly	<ul style="list-style-type: none"> s. Flow control valve obstructed 	<ul style="list-style-type: none"> s. <i>Remove valve and inspect for debris or non-operating spool.</i>
9. Piston retracts too rapidly	<ul style="list-style-type: none"> t. Flow control valve obstructed or not moving freely 	<ul style="list-style-type: none"> t. <i>Remove valve and inspect for debris or non-operating spool.</i>
10. Piston begins to extend but stops	<ul style="list-style-type: none"> u. Air trapped in small pump chamber 	<ul style="list-style-type: none"> u. <i>Perform “Purging Air from the Pump” on p. 2.</i>

LIMITED WARRANTY

Vestil Manufacturing Corporation (“Vestil”) warrants this product to be free of defects in material and workmanship during the warranty period. Our warranty obligation is to provide a replacement for a defective, original part covered by the warranty after we receive a proper request from the Warrantee (you) for warranty service.

Who may request service?

Only a warrantee may request service. You are a warrantee if you purchased the product from Vestil or from an authorized distributor AND Vestil has been fully paid.

Definition of “original part”?

An original part is a part used to make the product as shipped to the Warrantee.

What is a “proper request”?

A request for warranty service is proper if Vestil receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by one of the following methods:

<u>US Mail</u>	<u>Fax</u>	<u>Email</u>
Vestil Manufacturing Corporation 2999 North Wayne Street, PO Box 507 Angola, IN 46703	(260) 665-1339 <u>Phone</u> (260) 665-7586	info@vestil.com Enter “Warranty service request” in subject field.

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. After Vestil receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Vestil will require you to send the entire product, or just the defective part (or parts), to its facility in Angola, IN.

What is covered under the warranty?

The warranty covers defects in the following original, dynamic parts: motors, hydraulic pumps, electronic controllers, switches, and cylinders. It also covers defects in original parts that wear under normal usage conditions (“wearing parts”), such as bearings, hoses, wheels, seals, brushes, and batteries.

How long is the warranty period?

The warranty period for original dynamic components is 1 year. For wearing parts, the warranty period is 90 days. Both warranty periods begin on the date Vestil ships the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. Vestil may, at its sole discretion, extend a warranty period for products shipped from authorized distributors by up to 30 days to account for shipping time.

If a defective part is covered by the warranty, what will Vestil do to correct the problem?

Vestil will provide an appropriate replacement for any *covered* part. An authorized representative of Vestil will contact you to discuss your claim.

What is not covered by the warranty?

The Warrantee (you) are responsible for paying labor costs and freight costs to return the product to Vestil for warranty service.

Events that automatically void the Limited Warranty.

- Misuse;
- Negligent assembly, installation, operation or repair;
- Installation/use in corrosive environments;
- Inadequate or improper maintenance;
- Damage sustained during shipping;
- Collisions or other accidents that damage the product;
- Unauthorized modifications: Do not modify the product IN ANY WAY without first receiving written authorization from Vestil.

Do any other warranties apply to the product?

Vestil Manufacturing Corp. makes no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty. Vestil makes no warranty or representation that this product complies with any state or local design, performance, or safety code or standard. Noncompliance with any such code or standard is not a defect in material or workmanship.

