

# ELECTRIC SCISSOR LIFT

## ORANGE MACHINE

# OPERATOR'S MANUAL

For 1028 SP



## WARNING

THE MANUFACTURER SHALL NOT BE HELD LIABLE IN CASE OF FAULTS OR ACCIDENTS DUE TO NEGLIGENCE, INCAPACITY, INSTALLATION BY UNQUALIFIED TECHNICIANS AND IMPROPER USE OF THE MACHINE

DO NOT OPERATE THIS MACHINE UNTIL YOU READ AND UNDERSTAND ALL THE DANGERS, WARNINGS AND CAUTIONS IN THIS MANUAL

Orange Machine, Corporation  
2063-A South Hellman Ave.  
Ontario, California 91761  
U.S.A.

## Important

Read, understand and obey these safety rules and operating instructions before operating this machine.

Only trained and authorized personnel shall be permitted to operate this machine. This manual should be considered a permanent part of your machine and must remain with the machine at all times. If you have any questions, please call ORANGE MACHINE, INC.

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## Owners, Users and operators:

We appreciate your choice of our machine for your application. Our number one priority is user safety, which is best achieved by our joint efforts. We feel that you make a major contribution to safety if you, as the equipment users and operators:

1. Comply with all employer, job site and governmental rules.
2. Read, understand and follow the instructions in this and other manuals supplied with this machine.
3. Use good safe work practices in a common sense way.
4. Only trained / certified operators, directed by informed and knowledgeable supervision, running the machine.

If there is anything in this manual that is not clear or which you believe should be added, please contact us.

## Contact us:

Orange Machine, Corporation  
2063-A South Hellman Ave.  
Ontario, California 91761  
U.S.A.



## Danger

Failure to obey the instructions and safety rules in this manual could result in death or serious injury.

### Do Not Operate Unless:

You learn and practice the principles of safe machine operation contained in this operator's manual.

- √ **1. Avoid hazardous situations.**  
**Know and understand the safety rules before going on to the next section.**
  2. Always perform a pre-operation inspection.
  3. Always perform function tests prior to use.
  4. Inspect the workplace.
  5. Only use the machine as it was intended.
- √ You read, understand and obey the manufacturer's instructions and safety rules—safety and operator's manuals and machine decals.
- √ You read, understand and obey employer's safety rules and worksite regulations.
- √ You read, understand and obey all applicable governmental regulations.
- √ You are properly trained to safely operate the machine.

## Decal Legend

Orange Machine product decals use symbols, color coding and signal words to identify the following:



Safety alert symbol—used to alert personnel to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



**RED DANGER**--- used to indicate the presence of an imminently hazardous situation, which, if not avoided, **will** result in death or serious injury.



**ORANGE WARNING**---used to indicate the presence of a potentially hazardous situation, which, if not avoided, **could** result in death or serious injury.



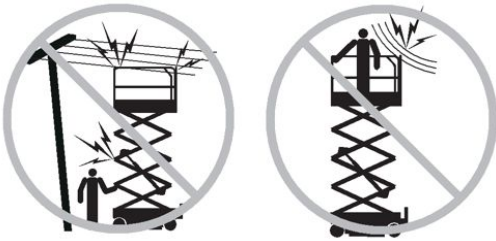
**YELLOW CAUTION**--- with safety alert symbol- used to indicate the presence of a potentially hazardous situation, which, if not avoided, **may** cause minor or moderate injury.



**YELLOW** --- without safety alert symbol—used to indicate the presence of a potential hazardous situation, which, if not avoided, **possibly** results in property damage.

**⚠️ Electrocuting Hazards**

This machine is not electrically insulated and will not provide protection from contact with or proximity to electrical current.



Maintain safe distances from electrical power lines and apparatus in accordance with applicable governmental regulations and the following chart.

Voltage Phase to Phase 0 to 300V	Minimum Safe Approach Distance Feet Avoid Contact
300V to 50KV	10
50KV to 200KV	15
200KV to 350KV	20
350KV to 500KV	25
500KV to 750KV	35
750KV to 1000KV	45

Allow for platform movement, electrical line sway or sag and beware of strong or gusty winds.

Keep away from the machine if it contacts energized power lines. Personnel on the ground or in the platform must not touch or operate the machine until energized power lines are shut off.

**Do not** operate the machine during lightning or storms.

**Do not** use the machine as a ground for welding.

**⚠️ Tip-over Hazards**

**⚠️** This machine is intended for **INDOOR USE ONLY**, and must not be used outdoors as wind forces and uneven terrain may make it unstable.

Do not exceed the maximum platform capacities listed below. Never load platform with personnel or material while in the raised position

**Maximum capacity – 1028 SP**

Maximum occupants	1
Maximum platform capacity	500 lbs.

**Models with one extension deck**

Main Platform only	500 lbs
Extension platform	200 lb
Main Platform	300 lbs

Platform retracted      Platform extended



Platform Only	Extension	Main Platform
500 lbs	200 lbs	300 lbs

**Models with two extension deck**

Platforms retracted	500 lbs.
For each extension deck	200 lbs.



Extension deck	Main Platform	Extension deck
200 lbs.	100 lbs	200 lbs

**NOTICE**

**Do not** drive double extension deck machine with decks in the extended position. When working parallel to a wall, the 1028's tight turning radius will swing the drive end extension deck into the wall and cause damage to wall or / and machine.

**Do not** raise the platform unless the machine is on a firm, level surface.



**Do not** depend on the tilt alarm as a level indicator.

The tilt alarm sounds on the chassis and in the platform when the machine is on a slope and the drive functions are disabled when platform is raised above 32" (.8 m)

If the tilt alarm sounds:

1. Lower the platform. 2. Move the machine to a firm, level surface. If the tilt alarm sounds when the platform is raised, use extreme caution to lower the platform.

**Do not** push off or pull toward any object outside of the platform.



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**Maximum allowable manual force** 75 lbs

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**Do not** drive the machine on or near uneven terrain, holes, drop-offs, ledges, unstable surfaces or other hazardous conditions.

**Do not** use the machine on a moving or mobile surface or vehicle.

**Do not** place or attach fixed or overhanging loads to any part of this machine.

**Do not** place ladders or scaffolds in the platform or against any part of this machine.

Be sure all tires and wheels are in good condition; caster axle nut and mounting bolts are tight.

**Do not** use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability.

Each battery must weigh a minimum of 50 lbs

**ONLY AGM DEEP CYCLE TYPE BATTERIES ARE SPECIFIED FOR THIS MACHINE**



**Do not** use the machine as a crane.

**Do not** push the machine or other objects with the platform.

**Do not** contact adjacent structures with the platform.

**Do not** tie the platform to adjacent structures.

## 1. Fall Hazards

The guardrail system provides fall protection. If occupant of the platform is required to wear personal fall protection equipment (PFPE) due to established industry, job site, or employer safety practices, PFPE equipment and its use shall be in accordance with the PFPE manufacturer's instructions and applicable governmental requirements.

**Do not** sit, stand or climb on the platform guardrails. Maintain a firm footing on the platform floor at all times.



**Do not** climb down from the platform when raised.

Keep the platform floor clear of debris.

Close the entry gate before operating.

**Do not** operate the machine unless the guardrails are properly installed and the entry is secured for operation.

### ⚠ Collision Hazards



Be aware of limited sight distance and blind spots when driving or operating.

Check the work area for overhead obstructions or other possible hazards at all times.



Be aware of crushing hazards when grasping the platform guardrail.

Observe and use color-coded direction arrows on the platform controls and platform decal plate for drive and steer functions.

**Do not** operate a machine in the path of any crane or moving overhead machinery unless the controls of the crane have been locked out and/or precautions have been taken to prevent any potential collision.

### NO STUNT DRIVING OR HORSEPLAY WHILE OPERATING A MACHINE.

**Do not** lower the platform unless the area below is clear of personnel and obstructions.



**Limit travel speed** according to the condition of the ground surface, congestion, slope, location of personnel, and any other factors which may cause collision.

### ⚠ Component Damage Hazards

**Do not** use any battery or charger greater than 24V output.

**Do not** use the machine as a ground for welding.

## **⚠ Explosion and Fire Hazards**



**Never** operate the machine in hazardous locations or locations where potentially flammable or explosive gases or particles may be present.

## **⚠ Damaged Machine Hazards**

**Never** use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions **BEFORE EACH WORK SHIFT**. Immediately tag and remove from service a damaged or malfunctioning machine.

Before each work shift be sure all safety decals are in place and legible.

Be sure the operator's, safety and responsibilities manuals are complete, legible and in the storage container located in the platform.

## **⚠ Crushing Hazards**

Keep hands and limbs out of scissors.

Use common sense and planning when operating the machine with the controller from the ground. Maintain safe distances between the operator, the machine and fixed objects.

Maintain a firm grasp on the platform rail when removing the rail pins. Do not allow the platform guardrails to fall.

## **⚠ Bodily Injury Hazard**

**Do not** operate the machine with a hydraulic oil leak. A hydraulic leak can penetrate and/or burn skin.

Improper contact with components under any cover will cause serious injury. Only trained maintenance personnel should access compartments. All compartments must remain closed and secured during operation.

## **Battery Safety**

### **⚠ Burn Hazards**

Batteries contain acid. Orange Machine uses sealed AGM batteries. These batteries limit the amount of exposure to acid as compared to flooded wet cell batteries. It is a safe practice to always wear protective clothing and eye wear when working with any wet cell batteries.



AGM batteries are spill proof and puncture resistant, but not puncture proof. Avoid contacting battery acid. Neutralize battery acid spills with baking soda and water.

### **⚠ Explosion Hazard**

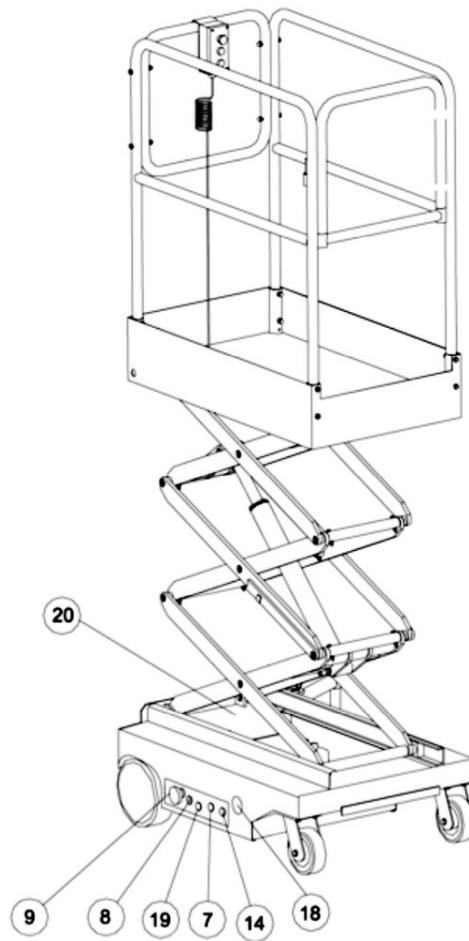
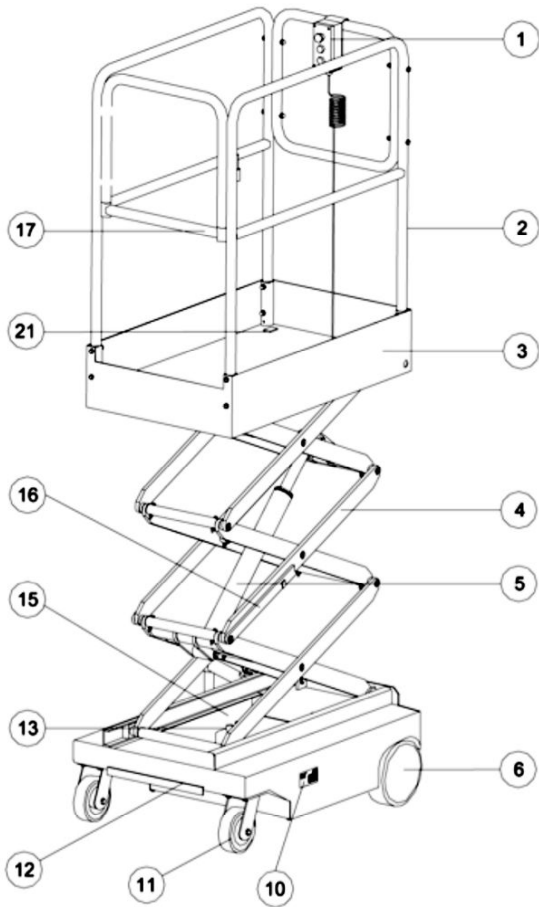


Keep sparks, flames and lighted tobacco away from batteries. Batteries emit explosive gas. AGM batteries are Valve Regulated lead Acid type (VRLA). When charged properly AGM batteries will not emit explosive gas. However, it is a safe practice to observe all batteries as potential Hazards.

### **⚠ Electrocutation Hazard**



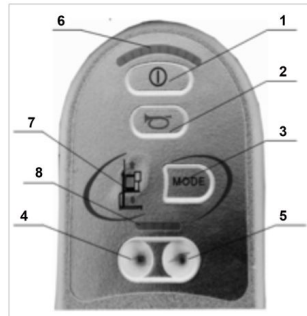
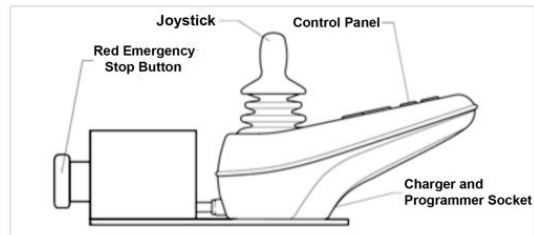
Avoid contact with electrical terminals.



- 1 Platform controller (Detail on next page )
- 2 Platform guard rails
- 3 Platform
- 4 Scissor
- 5 Hydraulic cylinder
- 6 Drive wheels
- 7 Key switch for platform / off / ground control selection
- 8 Power indicator
- 9 Red Emergency Stop button
- 10 Batteries charger

- 11 Steer tire
- 12 Step
- 13 Batteries
- 14 Emergency lowering knob
- 15 Hydraulic power pack
- 16 Safety arms
- 17 Platform entry gate
- 18 Hour-meter
- 19 Platform up / down toggle switch
- 20 Tilt Sensor
- 21 Foot switch

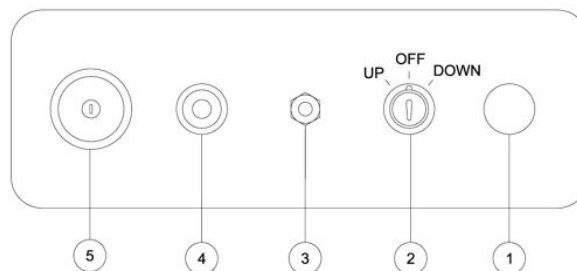
## Control Panel



Joystick Control Panel

### Platform Joystick controller

- |                        |                            |
|------------------------|----------------------------|
| 1. On-off button       | 5. Accelerating button     |
| 2. Horn button         | 6. Battery indicator light |
| 3. Mode button         | 7. Mode indicator          |
| 4. Decelerating button | 8. Drive speed indicator   |



### Ground Control Panel

1. Emergency lowering knob
2. Key switch for platform / off / ground control selection
3. Platform up / down toggle switch
4. Power indicator
5. Red Emergency Stop button

## Pre-operation Inspection



### Do Not Operate Unless:

√ You learn and practice the principles of safe machine operation contained in this operator's manual.

1. Avoid hazardous situations.
2. Always perform a pre-operation inspection.

Know and understand the pre-operation inspection before going on to the next section.

3. Always perform function tests prior to use.
4. Inspect the workplace.
5. Only use the machine as it was intended.

### Fundamentals

It is the responsibility of the operator to perform pre-operation inspections and routine maintenance.

The pre-operation inspections are a visual inspection performed by the operator prior to each work shift. The inspections are designed to discover if anything is apparently wrong with a machine before the operator performs the function tests.

The pre-operation inspections also serve to determine if routine maintenance procedures are required. The operator may perform only routine visual and operational maintenance items specified in this manual. Refer to the list on the next page and check each of the items.

If damage or any unauthorized variation from factory delivered condition is discovered, the machine must be tagged and removed from service.

A qualified service technician, according to the manufacturer's specifications, may only make repairs or maintenance to the machine. After repairs are completed, the operator must perform another pre-operation inspection again before going on to the function tests.

Qualified service technicians, according to the manufacturer's specifications and the requirements listed in the responsibilities manual, shall perform scheduled maintenance inspections.

OPERATOR'S MANUAL *with Maintenance Information*  
**Pre-operation Inspection**

- Be sure that the operator's, manual, responsibilities manuals and green AEM SAFETY Manual are complete, legible and in the storage container located in the platform.
- Be sure that all decals are legible and in place. See Decals section.
- Check for hydraulic oil leaks and proper oil level. Raise platform to full height or maximum working area height on flat level surface. If hydraulic pump cavitates or if machine does not rise to full rated height, tag machine and call for a qualified technician.

Check the following exterior components for areas for damage, improperly installed or missing parts and unauthorized modifications:

- Electrical components and control cable
- Hydraulic hoses, fittings, cylinder
- Drive motors
- Wear pads
- Tires, wheels and casters
- Limit switches, alarms
- Nuts, bolts and other fasteners
- Platform entry gate
- Beacon and alarms
- Safety service arm supports
- Scissor pins and retaining rings and fasteners
- Platform control joystick

Check entire machine for:

- Cracks in welds or structural components
- Dents or damage to machine
- Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened
- Side rails are installed and bolts are fastened



### Observe and Obey:

- Only routine maintenance items specified in this manual shall be performed by the operator.
- Scheduled maintenance inspections shall be completed by qualified service technicians, according to the manufacturer's specifications and the requirements specified in the responsibilities manual.

### Check Battery Charge Level

Proper battery condition is essential to good electric motor performance and operational safety. Check battery charge level at upper control box.

**▲WARNING** Electrocutation hazard

Contact with hot or live circuits may result in death or serious injury. Remove all rings, watches and other jewelry.

**▲WARNING** Bodily injury hazard

1. Batteries contain acid. Orange Machine uses sealed AGM batteries. These batteries limit the amount of exposure to acid as compared to flooded wet cell batteries. It is a safe practice to always wear protective clothing and eye wear when working with batteries.
2. Put on protective clothing and eyewear.

### Check the Hydraulic Oil Level



Maintaining the hydraulic oil at the proper level is essential to machine operation. Improper hydraulic oil levels can reduce hydraulic performance. Monthly checks allow the inspector to identify changes in oil level that might indicate the presence of hydraulic system problems.

**NOTICE** To be performed by qualified technician only. Operators hydraulic fluid level test is described on page 10 of this manual. Perform this procedure with the platform in the stowed position.

## Do Not Operate Unless:

√ You learn and practice the principles of safe machine operation contained in this operator's manual.

1. Avoid hazardous situations.
2. Always perform a pre-operation inspection.
3. Always perform function tests prior to daily use.

Know and understand the function tests before going on to the next section.

4. Inspect the workplace.
5. Only use the machine as it was intended.

## Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service.

The operator must follow the step-by-step instructions to test all machine functions prior to use.

**Never use a malfunctioning machine.** If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a **qualified service technician**, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

1. Select a test area that is firm, level and free of obstruction.
2. Be sure the battery pack is fully charged.

### At the Ground Controls

1. Pull out the ground red Emergency Stop button to the on position and rotate clockwise the platform Emergency Stop button.

2. Turn the key switch to ground control or platform control position.

◇ Result: The Power indicator will light.

### Test Lower and Upper Emergency Stop.

Repeat the following steps 5 thru 7 with the lower key switch in the ground control position first then the platform control position.

3. Push the platform control box power button to the on position.

◇ Result: Platform Control box lights will illuminate.

◇ Push in the ground red Emergency Stop button to the off position.

◇ Result: The Power indicator light and platform control lights will turn off and no functions should operate.

4. Pull out the red ground control Emergency Stop button to the on position and reset the platform control box to the on position

5. Push in the platform emergency stop button

◇ Result: The Lower Power Indicator light and platform control box will turn off and no functions should operate.

### Test Up / Down Functions

6. Rotate clockwise the platform Emergency stop button to the on position

7. Turn the key switch to ground control

8. Move up and hold the platform up / down toggle switch up.

◇ Result: The platform should raise.

9. Move down and hold the platform up / down toggle switch

◇ Result: The platform should lower. The descent alarm should sound while the platform is lowering.

### **Test the Emergency Lowering**

10. Activate the up function and raise the platform approximately 24 inches.

11. Pull the emergency-lowering knob located on the ground control panel.

◇ Result: The platform should lower. The descent alarm will not sound.

12. Turn the key switch to platform control

### **At the Platform Controls**

#### **Test the On-off function**

13. Press the on-off button on the upper controls to power on

◇ Result: the power indicator on platform control box should light.

14. Press the on-off button to power off.

15. Step on the foot switch and move joy stick to any position.

◇ Result: No functions should operate.

16. Press the on-off button to power on.

#### **Test the Horn**

17. Push the horn button.

◇ Result: The horn should sound.

#### **Test Up / Down Functions and Function Enable**

18. Press the mode button to select lift function.

19. Move the joystick to forward or backward direction.

◇ Result: The platform should not raise or lower.

20. Press and hold the foot switch, Move the joystick to forward direction.

◇ Result: The platform should raise.

21. Press and hold the foot switch, Move the joystick to backward direction.

◇ Result: The platform should lower then stop at a height of 32 inches (+ - 1 inch) for 3 seconds. After 3 seconds the platform will lower to full collapsed height. (hand crush protection)

#### **Test the Steering**

Note: When performing the steer and drive function tests, stand in the platform facing the entrance end of the machine.

22. Press the mode button to select drive function.

23. Press and hold the foot switch, Move the joystick to left direction and then come to a complete stop. Move the joystick to the right direction and come to a complete stop.

◇ Result: The machine should pivot to the left direction then the right direction.

#### **Test Drive and Braking**

24. Press and hold the foot switch, slowly move the joystick to forward direction, then return the

joystick to the center position. Then slowly move the

joystick to the reverse direction, and then return to the center position.

◇ Result: The machine should move forward then come to an abrupt stop and move reverse and come to an abrupt stop.

## **Test Limited Drive Speed**

25. Press the mode button to active the lift function.

Press and hold the foot switch, Move the joystick to raise the platform approximately 36inches from the ground.

26. Press the mode button to select drive function.

27. Press the decelerating button until only one indicator light.

28. Press and hold the foot switch, slowly move the joystick to the full drive position.

◇ Result: The maximum achievable drive speed with the platform raised should not exceed 9 feet per 10 seconds. If the drive speed with the platform raised exceeds 10 feet per 10 seconds, immediately tag and remove the machine from service.



## **Do Not Operate Unless:**

√ You learn and practice the principles of safe machine operation contained in this operator's manual.

1. Avoid hazardous situations.
2. Always perform a pre-operation inspection.
3. Always perform function tests prior to use.
- 4. Inspect the workplace.**

**Know and understand the workplace inspection before going on to the next section.**

5. Only use the machine as it was intended.

## **Fundamentals**

The workplace inspection helps the operator determine if the workplace is suitable for safe machine operation. It should be performed by the operator prior to moving the machine to the workplace.

It is the operator's responsibility to read and remember the workplace hazards, then watch for and avoid them while moving, setting up and operating the machine.

## **Workplace Inspection**

Be aware of and avoid the following hazardous situations:

- Drop-offs or holes
- Bumps, floor obstructions or debris including electric extension cords and / or pneumatic hoses.
- Sloped surfaces
- Unstable or slippery surfaces
- Overhead obstructions and high voltage conductors
- Hazardous locations
- Inadequate surface support to withstand all load forces imposed by the machine
- The presence of unauthorized personnel
- Other possible unsafe conditions



## **Do Not Operate Unless:**

√ You learn and practice the principles of safe machine operation contained in this operator's manual.

1. Avoid hazardous situations.
2. Always perform a pre-operation inspection.
3. Always perform function tests prior to use.
4. Inspect the workplace.
- 5. Only use the machine as it was intended**

## **Fundamentals**

The Operating Instructions section provides instructions for each aspect of machine operation.

It is the operator's responsibility to follow all the safety rules and instructions in the operator's, safety and responsibilities manuals.

Using the machine for anything other than lifting personnel, along with their tools and materials, to an aerial work site is unsafe and dangerous.

Only trained and authorized personnel should be permitted to operate a machine. If more than one operator is expected to use a machine at different times in the same work shift, they must all be qualified operators and are all expected to follow all safety rules and instructions in the operator's, safety and responsibilities manuals. Every new operator should perform a pre-operation inspection, function tests, and a workplace inspection before using the machine.

## Emergency Stop

Push in the red Emergency Stop button to the off position at the ground controls or the platform controls to stop all machine functions.

Repair any function that operates when either red Emergency Stop button is pushed in.

## Operation from Ground

1. Pull out both ground and platform red Emergency Stop buttons to the on position.
2. Be sure the battery pack is connected before operating the machine.
3. Turn the key switch to ground control.

### To Position Platform

1. Move the platform up / down toggle switch up to raise the platform.
2. Move the Platform up / down toggle switch down to lower the platform.

Drive and steer functions are not available from the ground controls.

## Operation from Platform

1. Pull out the ground and platform red Emergency Stop buttons to the on position.
2. Press the on-off button to power on.
3. Press the mode button to select lift function.
4. Be sure the battery pack is connected before operating the machine.

### To Position Platform

1. Press and hold the foot switch, Move the joystick forward to raise the platform.
2. Press and hold the foot switch, Move the joystick backward to lower the platform.

### To Steer

1. Press the mode button to select the drive function.
2. Press and hold the foot switch, Move the joystick left to turn the machine to left direction.
3. Press and hold the foot switch, Move the joystick right to turn the machine to right direction.

### To Drive

1. Press the mode button to select the drive function.
2. Press and hold the foot switch, move the joystick forward to drive the machine to forward direction.
3. Press and hold the foot switch, Move the joystick backward to drive the machine to backward direction.
4. Increase speed: Press the accelerating button.  
Decrease speed: Press the decelerating button.  
Stop: Return the joystick to center or press the On-off button.

Machine travel speed is restricted when the platform is raised.



**DO NOT OVERRIDE FOOT SWITCH.** Do not place heavy loads on foot switch or use any fasteners or other methods that would secure the foot switch in the depressed operational mode. Failure to comply with this warning can result in injury or death.

## Emergency Lowering

### At the Ground Controls

In the event of a power failure, pull on the emergency backup auxiliary lowering knob.

## **Fall Protection**

Personal fall protection equipment (PFPE) is not required when operating this machine. If PFPE is required by job site or employer rules, the following shall apply:

All PFPE must comply with applicable governmental regulations and must be inspected and used in accordance with the manufacturer's instructions.

## **Operation From Ground with Controller**

Maintain safe distances between the operator, machine and fixed objects.

Be aware of the direction the machine will travel when using the controller.

## **After Each Use**

1. Select a safe parking location—firm level surface, clear of obstructions and traffic.
2. Lower the platform.
3. Turn the key switch to the off position and remove the key to secure from unauthorized use.
4. Charge the batteries. (INSTRUCTIONS FOR CHARGING ON NEXT PAGE)



## **Battery and Charger Instructions**

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### **Observe and Obey:**

- √ Do not use an external charger or booster battery.
- √ Charge the battery in a well-ventilated area.
- √ Use proper AC input voltage for charging as indicated on the machine.
- √ Use only a Orange Machine authorized AGM battery and charger with the proper charging profiles for AGM batteries.

### **AGM Battery Information**

1. AGM (absorbed glass mat) deep cycle batteries are maintenance free and require no watering maintenance.
2. Sealed non-spill able.
3. Do not emit hazardous gasses when charged with the proper charging profile. Non-corrosive, extended cable and connection life.
4. Transport Safe. They are excepted from the requirements of DOT's hazardous materials regulations. They adhere to the requirements of code **49 CFR Section 173.159(d)**
5. Eco friendly
6. Shock and vibration resistant
7. Long Shelf Life. 3% self discharge per month. 64 % capacity at 12 months

### **To Charge Batteries**

1. Insure battery charger switch on the charger is in the on (-) position.
2. Connect the battery charger to a grounded AC circuit.
3. A C extension cords should be of adequate size to reduce excessive voltage drop. Less than 50 feet – 16 gauge, 50 to 75 feet -14 gauge, 75 to 100 feet – 12 gauge.

Note: For optional charger/inverter, connect AC power to the plug on the back of the machine.

4. The charger will indicate a green light when the battery is fully charged.



### **Observe and Obey:**

- √ Common sense and planning must be applied to control the movement of the machine when lifting it with a crane or forklift.
- √ The transport vehicle must be parked on a level surface.
- √ The transport vehicle must be secured to prevent rolling while the machine is being loaded.
- √ Be sure the vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. See the serial label for the machine weight.
- √ The machine must be on a level surface or secured before releasing the brakes. The brakes can only be released while driving.

## **Securing to Truck or Trailer for Transit**

Turn the key switch to the off position and remove the key before transporting.

Inspect the entire machine for loose or unsecured items.

### **Securing the Chassis**

Use the tie-down points on the chassis for anchoring down to the transport surface.

Use a minimum of two chains or straps.

Use chains or straps of ample load capacity.

Adjust the rigging to prevent damage to the machine

**MODEL 1028 Specification**

Height, working maximum	16 ft
Height, platform maximum	10 ft
Height, stowed maximum	64.75"
Width	28"
Length	44.75"
Length with one extension deck, platform extended	73"
Length with two extension deck, platform extended	79"
Maximum load capacity	500 lbs
Maximum wind speed	0 mph
Wheelbase x Wheel track	3' x 2.33'
Turning radius (outside)	48.62"
Ground clearance	2.25"
Weight	1050 lbs
Maximum working slope	2°
Grade ability	30%
Maximum hydraulic pressure	1200 psi
Tire size	Front 6" Caster 9x3 Rear
Platform length	44.75"
Platform extension length with one extension deck	28"
Platform extension length with two extension deck	17"
Platform width	23.5"
Stowed, maximum drive speeds	2.25 mph
Platform raised, maximum drive speeds	.6 mph
Minimum speed	0.1 mph

**Floor loading information**

Tire contact pressure maximum*	212 psi
Tire contact pressure minimum**	113 psi
Occupied floor pressure maximum***	228 lb ft <sup>2</sup>

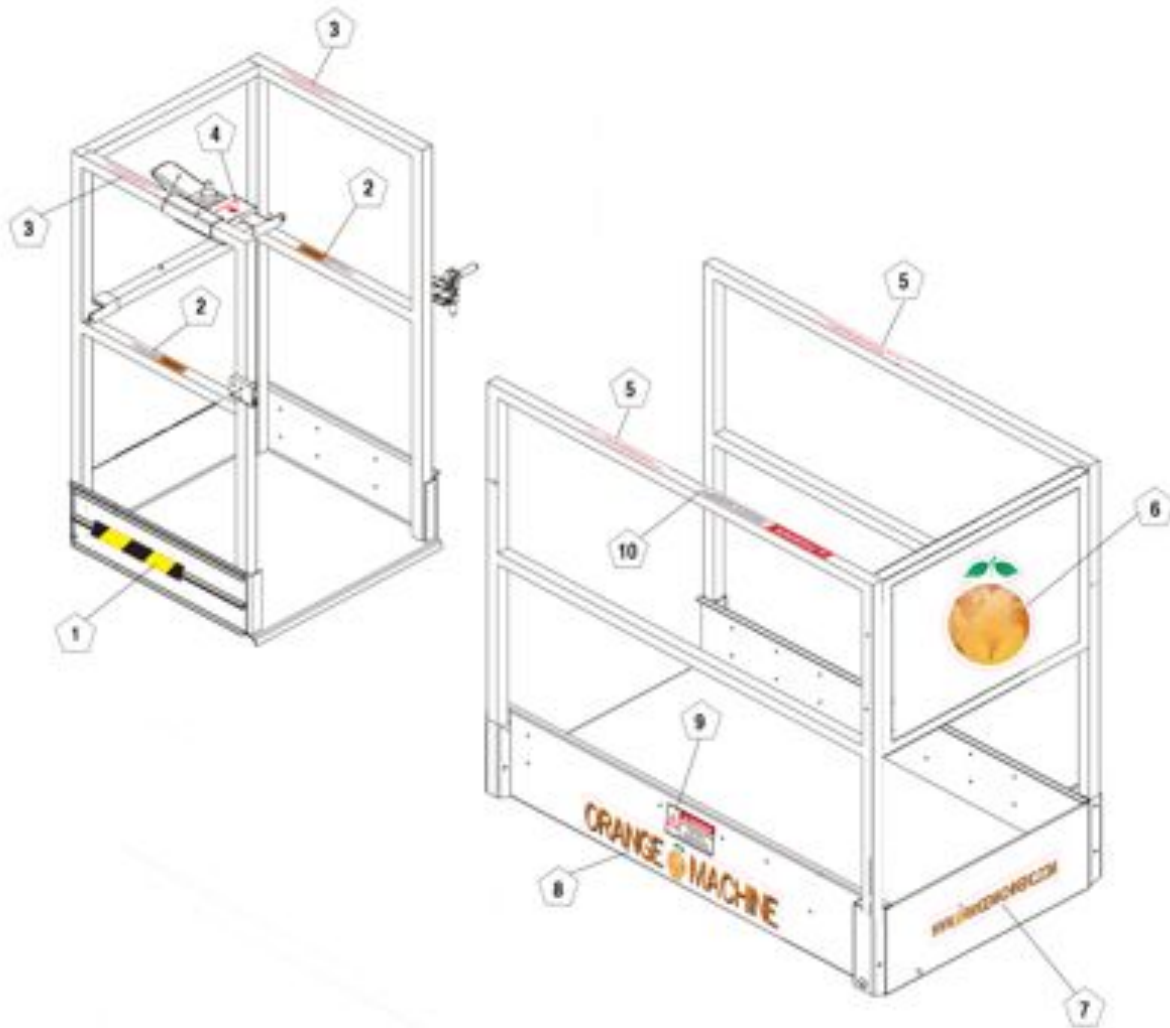
\*Platform deck extended loaded with 200 lbs and main platform at 300 lbs

\*\*Platform deck stowed without platform load

\*\*\*Machine weight + full load on platform / (wheel base x wheel track)

Continuous improvement of our products is an ORANGE MACHINE policy. Product specifications are subject to change without notice or obligation

**Decal Location**



**Decal Location**

1 1028D20



2 1028D24



3 1028D26



4 1028D29



5 1028D25



6 1028D31



7 1028D27



8 1028D32



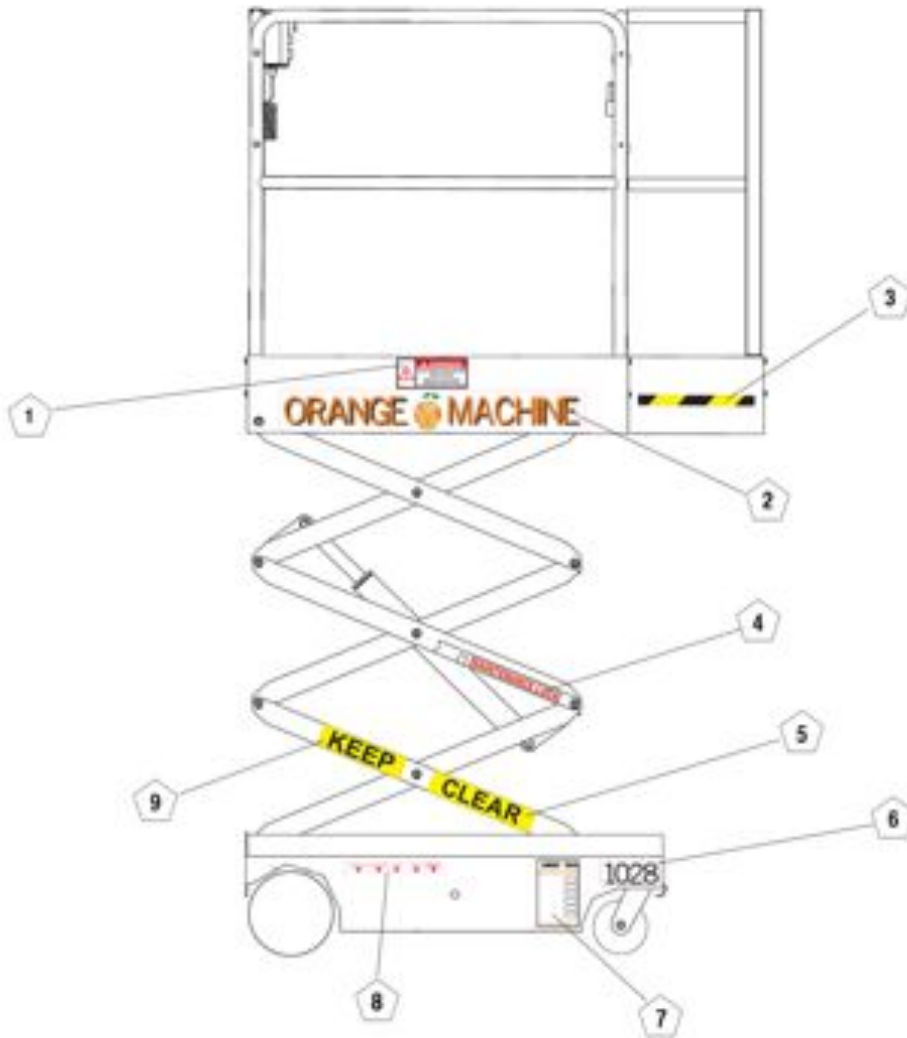
9 1028D13



10 1028D23



**Decal Location**



### Decal Location

1 1028D13



2 1028D32



3 1028D20



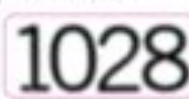
4 1028D17



5 1028D19



6 1028D28



7 **Serial Number Plate ( Consult Factory )**

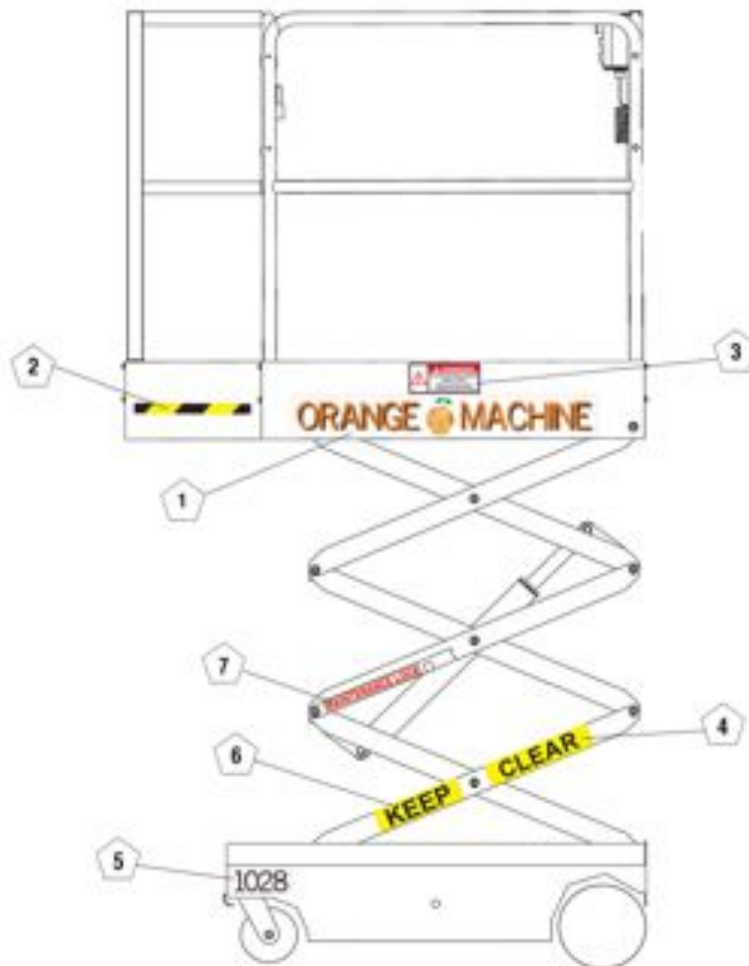
8 1028D33



9 1028D18



**Decal Location**



**Decal Location**

1 1028D32



2 1028D20



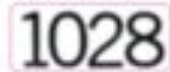
3 1028D13



4 1028D19



5 1028D28



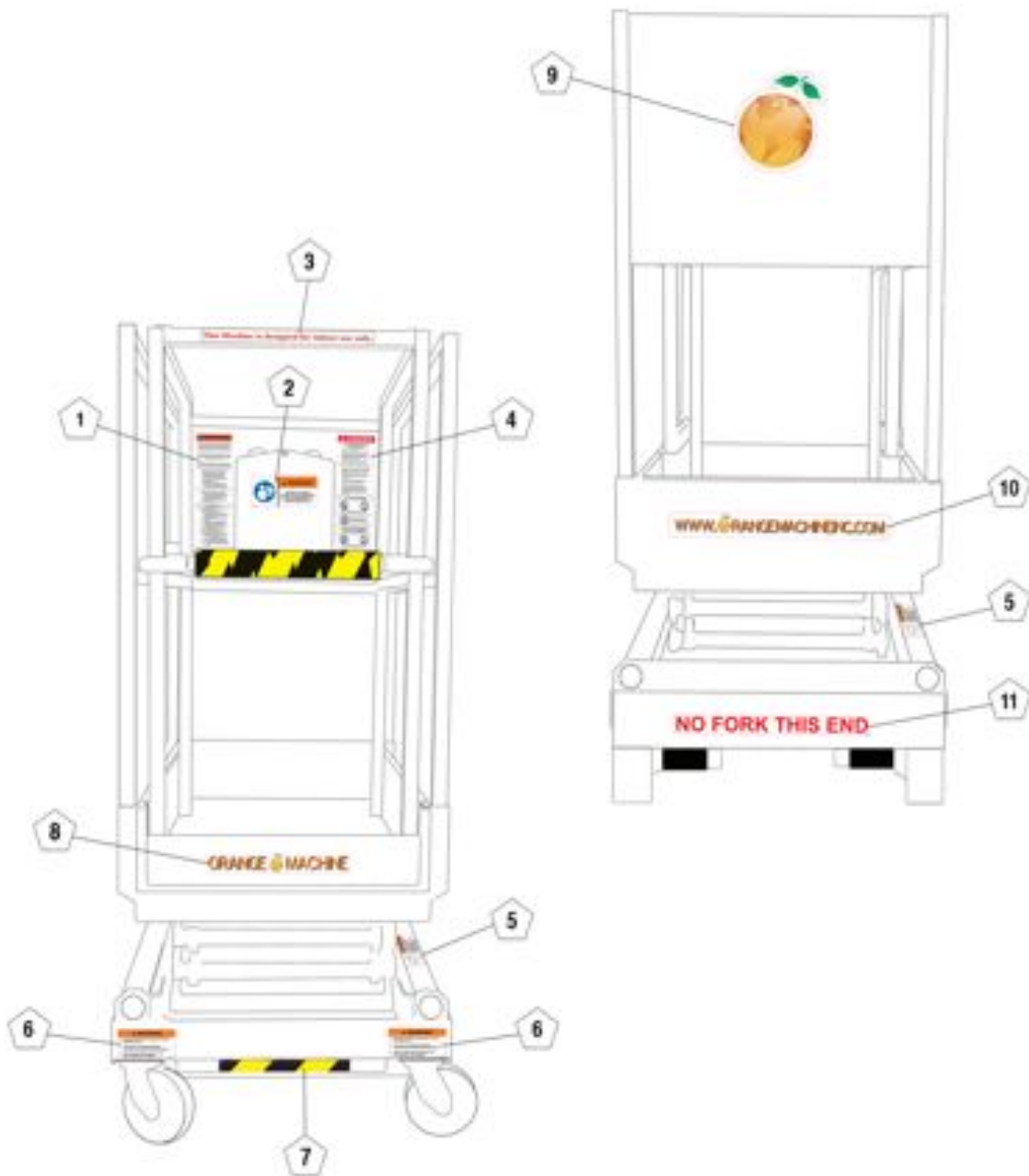
6 1028D18



7 1028D17

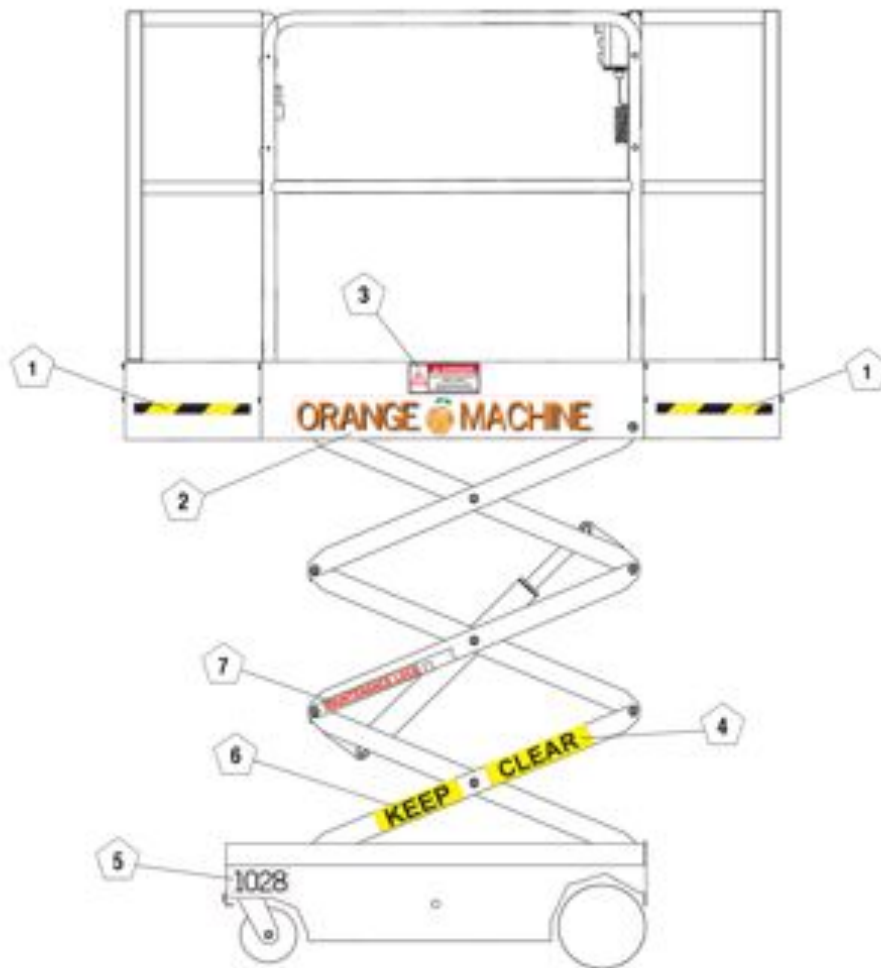


**Decal Location**





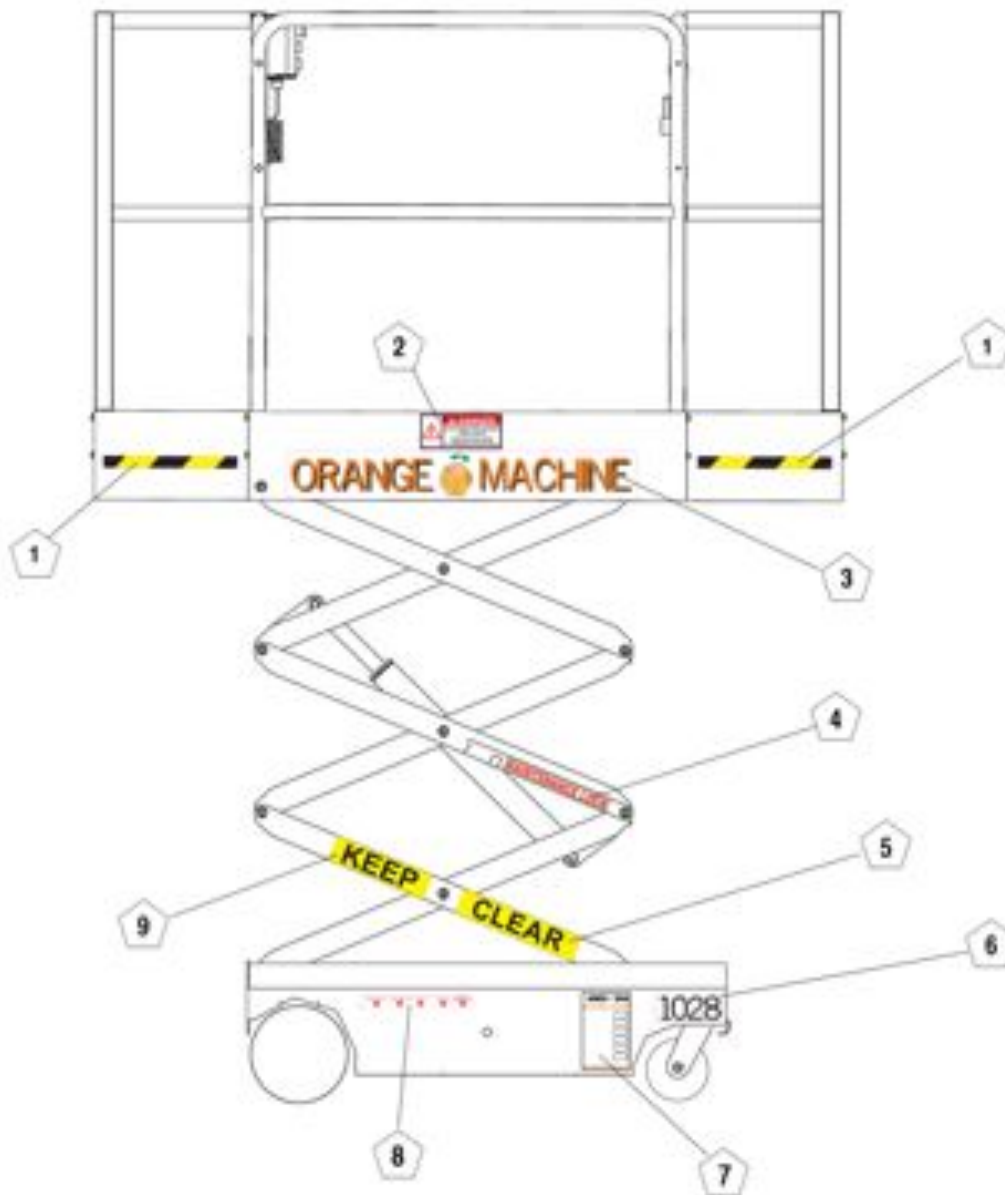
**Dual Extension Deck**  
**Decal Location**



**Dual Extension Deck  
Decal Location**



**Dual Extension Deck  
Decal Location**



**Dual Extension Deck  
Decal Location**

1 1028D20



2 1028D13



3 1028D32



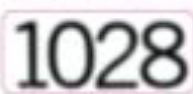
4 1028D17



5 1028D19



6 1028D28



7

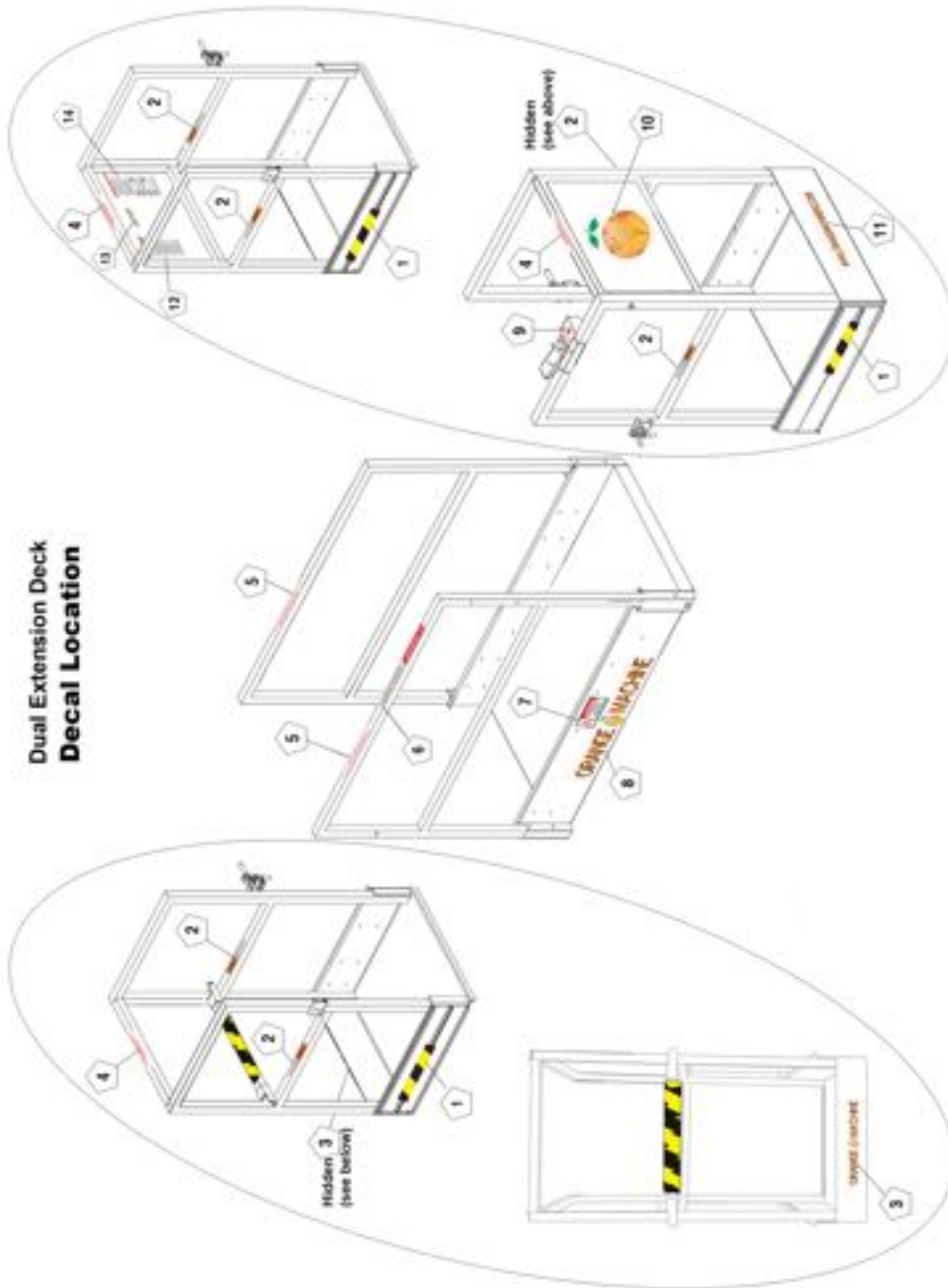
**Serial Number Plate ( Consult Factory )**

8 1028D33

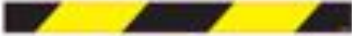



9 1028D18








**Dual Extension Deck  
 Decal Location**


1 **1028D20**  



2 **1028D24**  



3 **1028D34**  



4 **1028D26**  



5 **1028D25**  



6 **1028D23**  



7 **1028D13**  



8 **1028D32**  



9 **1028D29**  


10 **1028D31**  


11 **1028D27**  


12 **1028D12**  


13 **1028D14**  


14 **1028D11**  




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