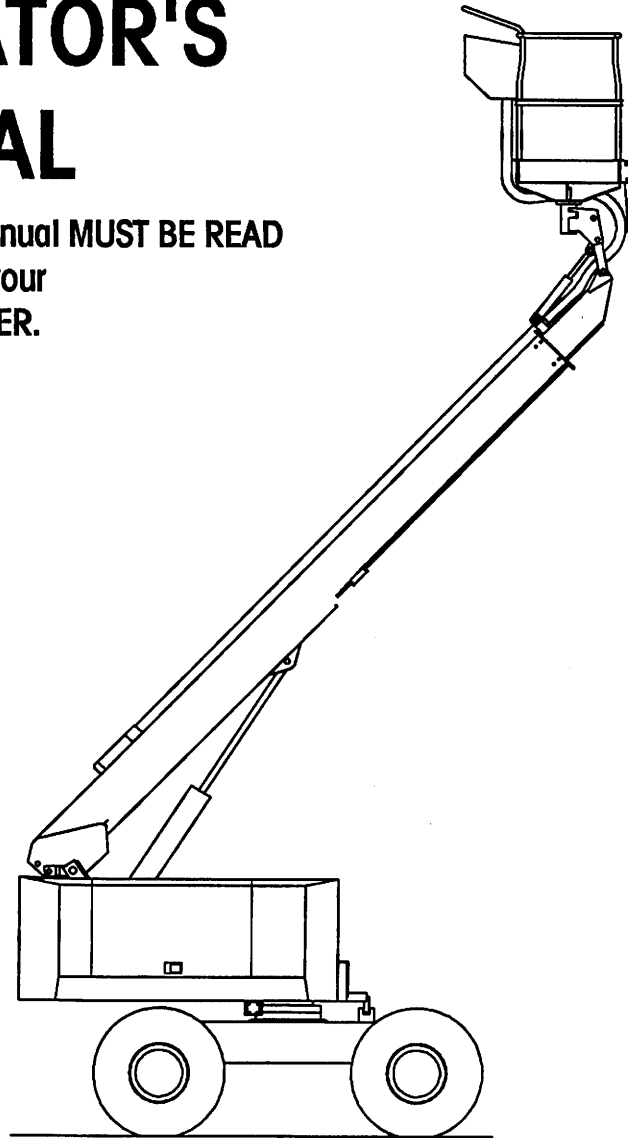


TRAILBLAZER T-40

S/N APA 00023 and up

OPERATOR'S MANUAL

This Operator's Manual **MUST BE READ**
prior to operating your
SIMON TRAILBLAZER.



Art # A00.00206E

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SAFETY SYMBOLS

This manual contains important information on the safe use of your SIMON Self-Propelled Aerial Work Platform. Your failure to read, understand and follow all safety rules, warnings and instructions will unnecessarily expose you and others to dangerous situations. For your safety and the safety of those around you, you must operate your aerial work platform as instructed in this manual.

You, the operator, are the single most important factor for safety when using any piece of equipment. Learn to operate your work platform in a safe manner.

To help you recognize important safety information, we have identified warnings and instructions that directly impact on safety with following signals:



"DANGER" INDICATES AN IMMINENTLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.



"WARNING" INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY.

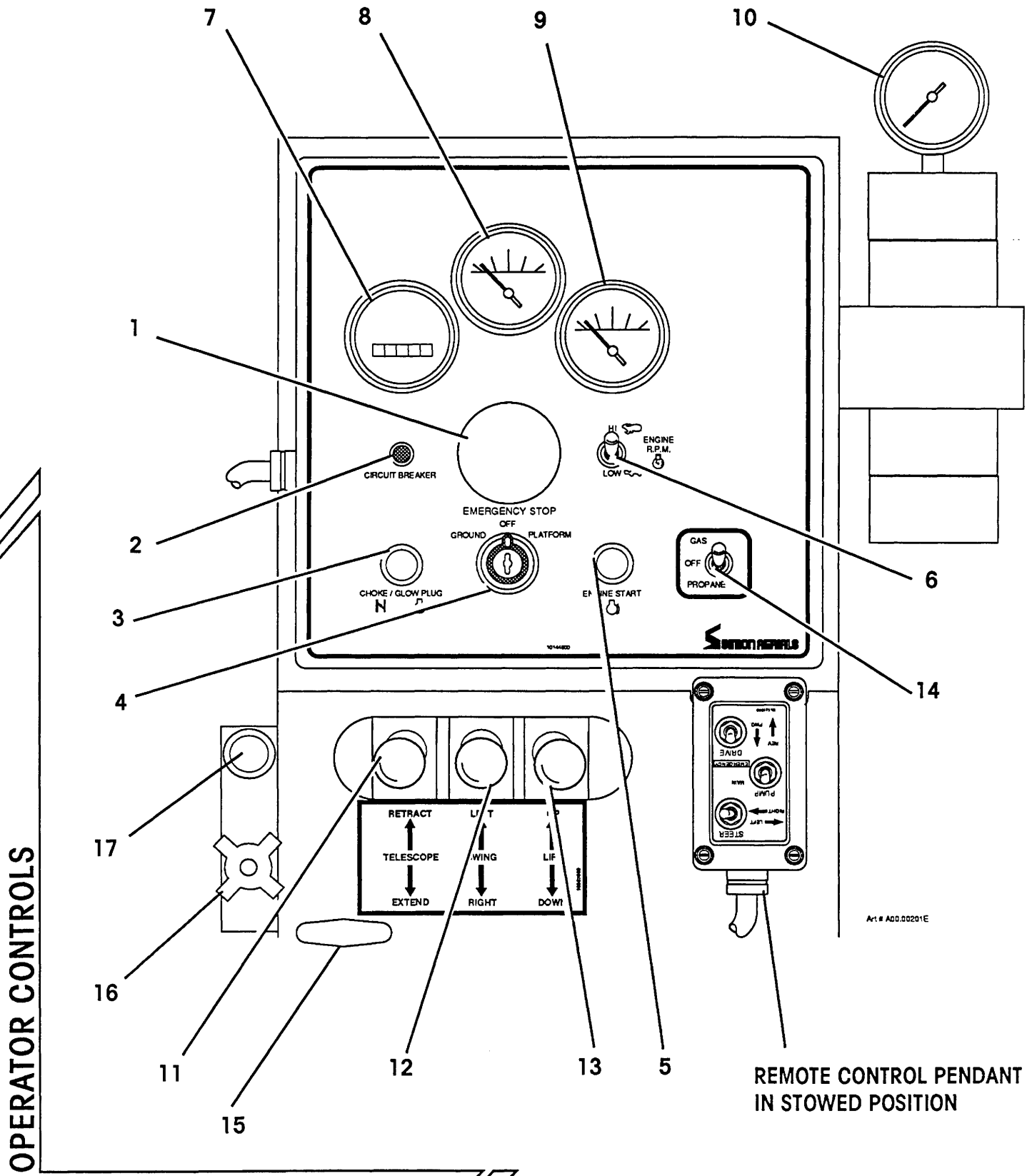


"Caution" indicates a potentially hazardous situation or alerts against unsafe practices. It is also used to identify "property damage only" hazards.

One final note: The best method to protect yourself and others from injury or death is to use common sense. If you are unsure of any operation, don't start until you are satisfied that it is safe to proceed.

Item No.	Part Number	Description	Qty.
1	10-145300	Decal, Platform Capacity (18-1/4", 464 mm)	1
2	10-148300	Decal, Platform Capacity (4-1/2", 114 mm)	2
3	10-142100	Decal, "DANGER" (platform station)	1
4	10-130600	Decal, "DANGER" (ground station)	1
5	10-145000	Decal, Platform Console Controls	1
6	10-144300	Decal, Ground Controls	1
7	Call Service	Placard, Serial Plate	1
8	10-145100	Decal, "DANGER . . . ELECTROCUTION"	2
9	10-151100	Decal, "DIESEL FUEL ONLY"	1
	10-117900	Decal, "GASOLINE ONLY"	1
10	10-007200	Decal, "DISENGAGE LOCKPIN . . ."	2
11	10-087400	Decal, Ground Control Valves	1
12	10-139800	Decal, "OPERATORS MANUAL"	1
13	10-147400	Decal, Platform Level/ Rotate Controls	1
14	10-012900	Decal, Forward Arrow	2
15	10-016800	Decal, "GAS/ OFF/ PROPANE"	1
16	10-131500	Decal, Remote Control Pendant	1
17	10-012600	Decal, "OPEN HYDRAULIC VALVES"	1
18	10-108600	Decal, "SET FUEL SELECT CONTROL CABLE. . ."	1
19	10-151300	Decal, "FOR HYDRAULIC FLUID USE ONLY"	1
20	10-145900	Decal, Platform Electrical Box	1
21	10-157100	Decal, "MANUAL BRAKE RELEASE"	1

OPERATOR CONTROLS (GROUND CONTROLS)



OPERATOR CONTROLS

STARTUP PROCEDURES

SHIFT CHECKS

Before the Simon Trailblazer Work Platform is operated each shift, the following checks should be completed to make sure that the machine is safe and in good condition.

Refer to check lists at back of this manual for periodic maintenance requirements and additional procedures for severe duty applications:

- ___ Visually inspect all machine components, i.e. missing parts, torn or loose hoses, hydraulic fluid leaks, torn or disconnected wires, flat or damaged tires, etc. Both compartment doors can be opened to inspect components inside.
- ___ Check engine oil, coolant and fuel levels.
- ___ Check battery electrolyte level and connections.
- ___ Check hydraulic fluid level with boom fully retracted and lowered.
- ___ Check that all shutoff valves on the hydraulic tank are open. When open, valve handles will be parallel with the length of the valve.


CAUTION

The shutoff valves on the hydraulic tank must be left open at all times, except during repairs or transport. If one or more of these valves are closed when the unit is running, extensive pump system damage will occur.

- ___ Check wheel lug nuts for tightness.
- ___ Check hoses and cables for worn areas.
- ___ Check hose carrier to make sure that it is not bent or sagging.
- ___ Inspect safety belt connections and check for worn areas on the belts.
- ___ Check platform rails, safety gate and latch for damage.
- ___ Check pivot pins and their retainers for security.
- ___ Check that all warning and instructional labels are legible and secure.

PLATFORM OPERATION AND CHECKS (CONTINUED)

- Operate the steer switch and check for proper steering control. Note position of the platform to the steering wheels.
- Return the wheels to the straight ahead position.
- Slowly return the drive control lever to the center "neutral" position. The unit should come to a complete stop.
- Slowly push the drive control lever backward. The machine should smoothly accelerate in the selected direction. Movement alarm sounds whenever the vehicle is in motion.
- Slowly return the drive control lever to the center "neutral" position. The unit should come to a complete stop.
- Raise the boom to horizontal. Repeat the drive tests. Machine should travel a maximum of 0.5 M.P.H. (0.8 K.P.H.). This condition is referred to as "creep speed", and is the maximum rate of travel with the boom raised or extended.

NOTE: At "creep speed", a tire makes one complete revolution in approximately thirteen (13) seconds. If one revolution takes much less than this time, the machine must be adjusted to bring the "creep speed" back down to 0.5 M.P.H (0.8 K.P.H.).

- Return the boom to the stowed position.
- Move all levers and switches back to their neutral positions. Release the foot pedal.

NOTE: All machine functions should stop upon release of the foot pedal.

- If so equipped, flip the engine throttle switch to "LOW", and allow the engine to slow to idle speed.
- Press emergency stop button. Engine will shut off.

EMERGENCY LOWERING

It is not possible for us to foresee every emergency situation that could arise during operation of this machine. Information on the following pages describes three typical emergency situations, and lists appropriate actions that can be taken.

When faced with an emergency, above all please remember:

- Stay calm.
- Think through the situation before operating the machine.
- Get help if necessary.

SITUATION ONE: Platform elevated, operator not incapacitated, but unit will not respond to platform controls.

POSSIBLE CONDITION:

- One or more functions not operating correctly.
- Unit movement from unselected control lever.
- Unit function will not stop unless power is switched off.

CORRECTIVE ACTION

1. Remove foot from foot pedal.
2. Push the red "Emergency Stop" Button.
3. Evaluate the nature of the failure. Return to the ground, using the emergency pump and lowering procedure (see "Emergency Pump").

 **DANGER**

DO NOT TRY TO CLIMB DOWN THE BOOM.

HAVE AN EXPERIENCED OPERATOR USE THE EMERGENCY PUMP TO SAFELY LOWER THE PLATFORM.

MONTHLY OPERATIONAL CHECKLIST (CONTINUED)

INITIAL	DESCRIPTION
_____	8. Check torque of swing bearing bolts (see "Machine Specifications").
_____	9. Check torque of swing drive mounting bolts (see "Machine Specifications").
_____	10. Check that wheels are not leaning in or out.
_____	11. Check that steer wheel spindles turn freely, with no end play. Refer to Lubrication Chart.
_____	12. Check torque of axle mounting bolts (see "Machine Specifications").
_____	13. Check wheel lug nut torque (see "Machine Specifications").
_____	14. Check that the boom does not drift down with a full load, no hydraulic pressure (engine off) and the control valve in the "BOOM DOWN" position.
_____	15. Check to make sure boom sections are not dented or bent.
_____	16. Check that all jam nuts on adjustable flow valves are locked. Check settings if any are not locked.
_____	17. Check fuel shutoff rack for proper operation. Loosen lever arm and lubricate with WD-40 or equivalent.
_____	18. Follow engine monthly service requirements. Refer to the Engine Maintenance Manual supplied with your Trailblazer.
_____	19. Check axle and planetary ends. Refer to Lubrication Chart.
_____	20. Check swing bearing and swing bearing teeth. Refer to Lubrication Chart.

ADDITIONAL MAINTENANCE REQUIREMENTS FOR SEVERE USAGE APPLICATIONS

EVERY 90 DAYS

INITIAL	DESCRIPTION
_____	21. Replace high pressure filter element.

MAINTENANCE

APPLICABLE STANDARDS AND REGULATIONS

In addition to the operational instructions provided herein, various standards and governmental regulations also apply to the use and operation of your Simon Aerial Work Platform.

Attached hereto are copies of some of the applicable codes, regulations and standards with which you must comply if this unit is operated in the U.S.A. These standards were in effect (as attached) on the date your unit was manufactured. You must comply with these, or other applicable standards as defined by your governing bodies as they are updated over time.

For complete, current copies of U.S.A. standards, you must annually write to:

**American National Standards Institute
1430 Broadway
New York, NY 10018**

Request: ANSI/ SIA A92.5 (current)

Specific state or local regulations may also apply. You must consult the appropriate regulating authority for the area in which the equipment will be operated in order to obtain current copies of these regulations.

7.11 Warnings and Instruction. The user shall direct his operating personnel and supervise their work to ensure operation of the aerial platform in compliance with this standard.

7.11.1 Personnel Footing. Personnel shall maintain a firm footing on the platform floor while working therein. Use of planks, ladders or any other device on the aerial platform for achieving additional height or reach shall be prohibited.

7.11.2 Precaution from Other Moving Equipment. When other moving equipment or vehicles are present, special precautions shall be taken to comply with local ordinances or safety standards established for the workplace. Warnings such as, but not limited to, flags, roped-off areas, flashing lights and barricades shall be used.

7.11.3 Reporting Problems or Malfunctions. The operator shall immediately report to his supervisor any problem or malfunctions which become evident during operation. Any problems or malfunctions that affect the safety of operations shall be repaired prior to continued use.

7.11.4 Altering Safety Devices. Altering or disabling of interlocks or other safety devices shall be prohibited.

7.11.5 Entanglement. Care shall be taken to prevent rope, electric cords and hoses from becoming entangled in the aerial platform.

7.11.6 Capacity Limitation. Rated capacities shall not be exceeded when loads are transferred to the platform at any height.

7.11.7 Work Area. The operator shall ensure that the area surrounding the aerial platform is clear of personnel and equipment before lowering the platform.

7.11.8 Fueling. The engine shall be shut down while fuel tanks are being filled. Fueling shall be done in a well-ventilated area free of flame, sparks or other hazards which may cause fire or explosion.

7.11.9 Battery Charging. Batteries shall be charged in a well-ventilated area free of flame, sparks or other hazards which cause fire or explosion.

7.11.10 Improper Platform Stabilization. The aerial platform shall not be positioned against another object to steady the platform.

7.11.11 Misuse as a Crane. The aerial platform shall not be used as a crane.

7.11.12 Operating Area. The aerial platform shall not be operated from a position on trucks, trailers, railway cars, floating vessels, scaffolds or similar equipment unless the application is approved in writing by the manufacturer.

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