



Operation and Maintenance Manual

CHANGING THE WAY

The **Navigator 4.5** is the 3rd mechanical scissor-operated push-around platform offering from Navigator Lifts Ltd, reaching a working height of 4.5 metres.

As a manually operated unit, it can be continually used without any charging required.

The Navigator demonstrates the use of sustainable and ethical products and produces **Zero CO₂** emissions.

Original Instruction.



Introduction

Groundbreaking Innovation in Low Level Access

The Navigator 4.5 is a self-powered push-around step in, release the brakes, turn the handle and elevate to your chosen working height. Take materials and tools too giving you zero downtime and power-free working 24/7.

The narrowest push-around on the market. Safety is a top priority. The Navigator introduces the industry's first **anti-climb vertical guardrails** and offers optional **gravity-sensing locking gates** for enhanced security. Engineered for efficiency, sustainability, and safety, The Navigator redefines what's possible in low-level access.

Important

The purpose of this Manual is to provide the Operative with the information required to use Navigator safely and correctly.

The manual is a part of the machine and will be stored in the canister on Navigator.

If the manual is missing the Navigator should be quarantined until provided with a replacement manual.

The following figure shows the location of the Canister on the Navigator:



Technical publications

NAVIGATOR LIFTS LTD has endeavoured to deliver the highest degree of accuracy possible.

However, continuous improvement of our products is a NAVIGATOR LIFTS LTD. Therefore, product specifications are subject to change without notice. Readers are encouraged to notify NAVIGATOR LIFTS LTD of errors and send in suggestions for improvement. All communications will be carefully considered for future printings of this and all other manuals.

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Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.

Safety Rules



IMPORTANT: READ BEFORE OPERATING

Before using this machine, you **must read and fully understand all operation and safety instructions**.

No person should operate the machine **without first completing familiarisation training**, passing the required examination, and receiving a valid certificate. The operator must also confirm they have read and understood this handbook.

Please note: The manufacturer is **not responsible for how the machine is used**. Safe operation is the responsibility of the user and all personnel involved.



WARNING: NEVER USE THE EMERGENCY LOWERING HANDLE/SYSTEM UNLESS THERE IS A PERSON INCAPACITATED WITHIN THE PLATFORM.

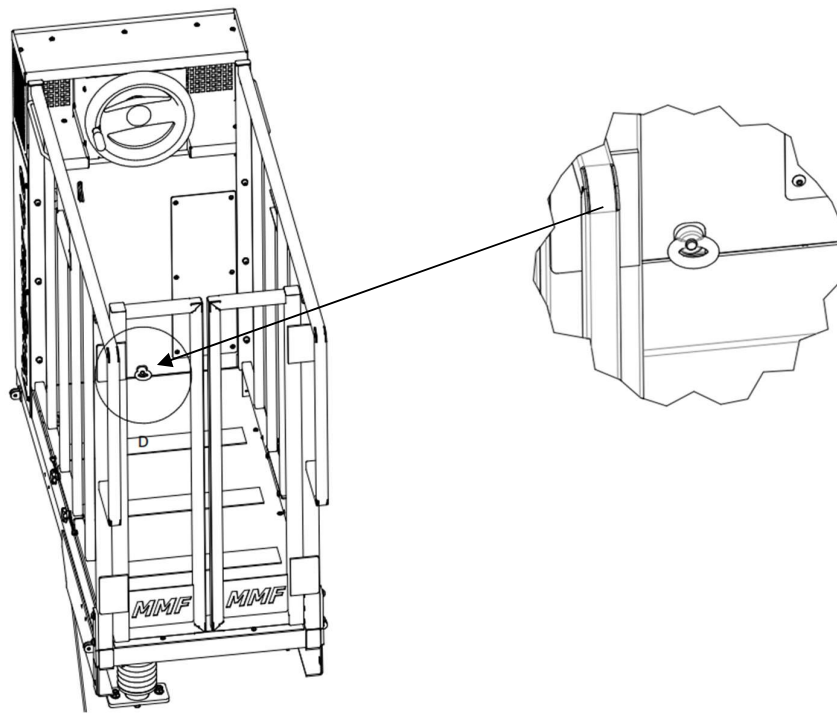
A. Safety Precautions - Trip and Fall Protection

FALL PROTECTION NOTICE

The Navigator is equipped with a built-in guardrail system around the platform, which serves as the primary fall protection in compliance with EN 280 standards.

Do not operate the Navigator if any part of the guardrail system is removed. Doing so is strictly prohibited and unsafe.

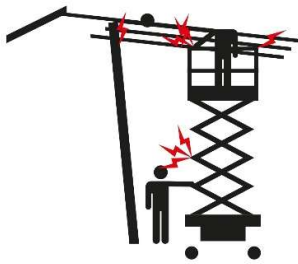
Anchor points are provided only for work positioning restraints. The operator or site owner is responsible for selecting a fall retaining lanyard with a length that prevents the operator from moving outside the guardrail area.



WARNING: USE OF FALL ARREST SYSTEMS ATTACHED TO ANCHOR POINTS ON EQUIPMENT MAY CAUSE THE MACHINE TO TIP RESULTING IN SERIOUS INJURY OR DEATH.

- a. Maintain three points of contact when climbing in and out of the platform.
- b. Ensure to enter and exit only through the gates and use extreme caution.
- c. Ensure you face forward towards the machine when entering and exiting.
- d. When on the platform always ensure to plant both feet on the platform at all times.
- e. Never use non-approved or non-manufacturer items to gain extra height. Doing so is unsafe and strictly prohibited.

B. Safety Precautions - Electrocution Hazards



ELECTRICAL HAZARD WARNING

The Navigator is **not electrically insulated** and does not provide protection against contact with, or proximity to, electrical currents.

Follow the sites electrical safety procedures. Consult a qualified electrician or safety officer for proper grounding methods.

Operators must always maintain a safe distance from power lines, electrical equipment, or any live components—whether exposed or insulated. This is a legal requirement and must follow the **Minimum Approach Distance (M.A.D.)** guidelines shown in the table below.

Always allow extra space for machine movement and the potential swaying of power lines.

SAFE DISTANCE FROM ELECTRICAL HAZARDS

Maintain a **minimum clearance of 3 metres (10 feet)** between any part of the machine—including the operator, tools, or equipment—and any electrical line or apparatus carrying up to **50 kV**.

For **every additional 30 kV**, increase the clearance by **0.3 metres (1 foot)**.

In some cases, the **Minimum Approach Distance (M.A.D.)** may be reduced **only if insulated barriers** are properly installed. These barriers must:

- Prevent contact** with electrical components
- Be **rated for the specific voltage** of the line being guarded
- Be positioned so that the **working distance is safely contained** within their protective range

Important:

The decision to reduce the M.A.D. must be made by a **qualified person**, in accordance with **employer policies and local authority regulations**.

These insulated barriers are **not supplied with or attached to the Navigator**.

Minimum Required Clearance (Feet)	
0 to 50,000	10
over 50,000 to 75,000	11
over 75,000 to 125,000	13
over 125,000 to 175,000	15
over 175,000 to 250,000	17
over 250,000 to 370,000	21
over 370,000 to 550,000	27
over 550,000 to 1,000,000	42

C. Safety Precautions - Tipping Hazard

GROUND SURFACE REQUIREMENTS

Before positioning the Navigator, always ensure that the **ground surface is strong and stable enough** to support the machine's **overall weight**.

WARNING: DO NOT ELEVATE THE PLATFORM ON A SOFT SURFACE OR A SURFACE WHICH HAS NOT BEEN DESIGNED TO THE CORRECT FLOOR PRESSURE.

DANGER: NEVER ELEVATE THE PLATFORM WHEN THE WIND SPEED IS ABOVE 12.5 M/S OR 28 MPH AS THIS MAY RESULT IN A SERIOUS INJURY OR DEATH.

PLATFORM POSITIONING AND SAFE OPERATION

- Operators must be **familiar with the Navigator** and ensure it is positioned on a **hard, level surface**.
Never use the machine on a slope that could risk tipping the platform.
- Do not exceed the Safe Working Load (SWL)** listed on the tool tray decal. All loads must be **evenly distributed** across the platform.
- Never attempt to lift or lower any load beyond the SWL.**
- The Navigator is **not designed to function as a material lift**.
- Maintain a **minimum distance of 0.6 metres** from hazards such as holes, manhole covers, drop-offs, or unstable surfaces.
- Do not raise the platform if **wind speeds exceed the maximum limit** specified on the tool tray or within this manual.

Strict Prohibitions:

- Never use the Navigator as a material hoist.
- Do not tie the machine to nearby structures or secure it with wires, ropes, or cables.
- Do not modify or extend the platform with any **unauthorised deck extensions**

Beaufort Number	Wind Speed		Description	Land Conditions
	mph	m/s		
0	0	0-0.2	Calm	Calm. Smoke rises vertically.
1	1-3	0.3-1.5	Light air	Wind motion visible in smoke.
2	4-7	1.6-3.3	Light breeze	Wind felt on exposed skin. Leaves rustle.
3	8-12	3.4-5.4	Gentle breeze	Leaves and smaller twigs in constant motion.
4	13-18	5.5-7.9	Moderate breeze	Dust and loose paper raised. Small branches begin to move.
5	19-24	8.0-10.7	Fresh breeze	Smaller trees sway.
6	25-31	10.8-13.8	Strong breeze	Large branches in motion. Flags waving near horizontal. Umbrella use becomes difficult.
7	32-38	13.9-17.1	Near Gale/Moderate Gale	Whole trees in motion. Effort needed to walk against the wind.
8	39-46	17.2-20.7	Fresh Gale	Twigs broken from trees. Cars veer on road.
9	47-54	20.8-24.4	Strong gale	Light structure damage.

D. Safety Precaution - Safety Prop (Engineers Only)

SAFETY PROP USAGE

The Safety Prop must be correctly positioned whenever the Navigator is being serviced in a partially raised position.

Failure to use the Safety Prop properly can result in serious injury.

- a. The Safety Prop is intended for use by trained service engineers only.
- b. It is not supplied as standard with the machine.
- c. It is considered a specialist maintenance tool and is issued only to technically competent technicians for service and repair tasks.

WARNING: NEVER ATTEMPT TO SERVICE THE MACHINE IN A RAISED POSITION WITHOUT THE CORRECT USE OF THE SAFETY PROP.

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1. NAVIGATOR SPECIFICATIONS & USES

1.1 INTRODUCTION & GENERAL INFORMATION

This manual contains all the essential information for the **safe operation and maintenance** of the **NAVIGATOR**, a Single-Person Capacity, Push-Around, Self-Powered Scissor Lift.

All operators and maintenance personnel must **read and fully understand this manual** before using the machine or performing any maintenance tasks.

Additional copies of this manual can be obtained from the supplier or downloaded directly at: www.navigatorlifts.com

2. ABOUT THE NAVIGATOR

The NAVIGATOR offers a **safe and simple alternative to ladders and steps** for working at height.

- a. It is **designed primarily for indoor use**, but may be used **outdoors on a flat, level surface** when fitted with the **optional stabilisers**.
- b. When used outdoors, **stabilisers must be deployed**, and operation is **not permitted** in wind speeds exceeding **12.5 m/s (28 mph)** with one person and tools onboard.

The NAVIGATOR is **certified to exceed BS EN 280:2013+A1:2015** standards.

Environmentally friendly by design, it contains **no batteries, hydraulics, or electric motors**, meaning it produces **zero CO₂ emissions during operation**.

3. APPLICATIONS & ENVIRONMENTS

The NAVIGATOR is ideal for use in:

- a. **Construction**
- b. **Retail**
- c. **Food manufacturing**
- d. **Pharmaceutical and medical sectors**
- e. **Facility and building maintenance**

The platform is intended for use in **clean, controlled environments**, and must always be operated **within the limits specified** in this Operation and Maintenance Manual.

4. TRAINING & RESPONSIBILITY

Operators must be **formally trained** and **competent** in using this equipment.

Important:

The responsibility for safe operation lies with the **individual operator and/or their employer— not with Navigator Lifts Ltd.**

5. SPECIFICATION

Working Dimensions	
Maximum Working Height	4.5 m
Maximum Working Platform	2.5 m
Working Footprint	1.1 m (L) x 0.63 m (W)
Platform Dimensions	0.98 m (L) x 0.63 m (W)
Rated load, manual force, and weight	
Safe Working Load	150 kg
Maximum Side Force	200 N
Maximum Windspeed (outdoor, when fitted with stabilisers)	12.5 m/s
Note: Stabilizers should be deployed when used outdoors.	
Maximum Gradient	1 Degrees
Maximum Load Fixed Wheel	880 Kg
Maximum Load Swivel Castor	880 Kg
Machine Weight	360 Kg
Performance	
Ascent/Descent Rotations	30



WARNING:

NEVER OPERATE THE PLATFORM WHILST STANDING OUTSIDE THE CONFINES OF THE GUARDRAIL.

6. DESIGN COMPLIANCE & INTENDED USE

The Navigator has been **engineered in full compliance with the European Machinery Directive** and meets the safety requirements of **European Standard EN 280 for Mobile Elevating Work Platforms (MEWPs)**.

All aspects of the machine—including design calculations, stability standards, construction methods, safety testing, and third-party examinations—are intended to ensure safe elevation of one person plus essential tools and materials for working at height.

7. ENVIRONMENT

The Navigator is suitable for indoor use, and outdoor use **when fitted with stabilisers**. It must always be used on a firm, level surface capable of supporting both the weight of the machine and its Safe Working Load (SWL) of 150 kg.



WARNING:

THE USER MUST OBTAIN THE GUIDANCE AND WRITTEN APPROVAL OF THE MANUFACTURER IN THE EVENT OF ANY SPECIAL WORKING METHODS OR CONDITIONS OUTSIDE THOSE SPECIFIED IN THE OPERATING AND MAINTENANCE MANUAL.

8. OPERATOR SELECTION & COMPETENCY REQUIREMENTS

Only personnel who have been properly selected, trained, and authorised—or are currently undergoing formal training under supervision—are permitted to operate a Navigator machine.

Employers should review training records and prior experience to ensure the suitability of each operator.

9. GENERAL FITNESS & IMPAIRMENT POLICY

Operators must not be under the influence of alcohol, drugs, or any substance that may impair judgment or performance. They must also be physically capable of safely performing all tasks associated with operating the Navigator.

10. RECOMMENDED OPERATOR ATTRIBUTES

The Navigator machine operator should:

- a. Be **physically fit** and capable of handling the demands of the role
- b. Be **comfortable working at height**
- c. Display a **responsible and safety-conscious attitude**
- d. Be able to **learn and follow instructions effectively**
- e. Communicate clearly with other personnel on-site
- f. Understand and follow **health and safety regulations**
- g. Be aware of **accident prevention and control measures**
- h. Work safely at height at all times
- i. Use **appropriate Personal Protective Equipment (PPE)**
- j. Operate and manoeuvre the machine **safely and efficiently**
- k. Accurately position the platform and **complete tasks to a high standard**
- l. Recognise and avoid **foreseeable hazards** and respond appropriately to **unsafe conditions**
- m. Perform **daily pre-use inspections** before operating the machine.



WARNING:

OPERATION OF THE NAVIGATOR MACHINE BY UNTRAINED OR INADEQUATELY TRAINED OPERATORS MAY RESULT IN SEVERE INJURY. A COURSE FOR THE CATEGORY PUSH AROUND VERTICAL (PAV) IS OFFERED BY IPAF-APPROVED TRAINING CENTRES IN THE UK.

11. ADDITIONAL PERSONNEL RESPONSIBILITIES: SITE SURVEYOR, PLANNER & DEMONSTRATOR

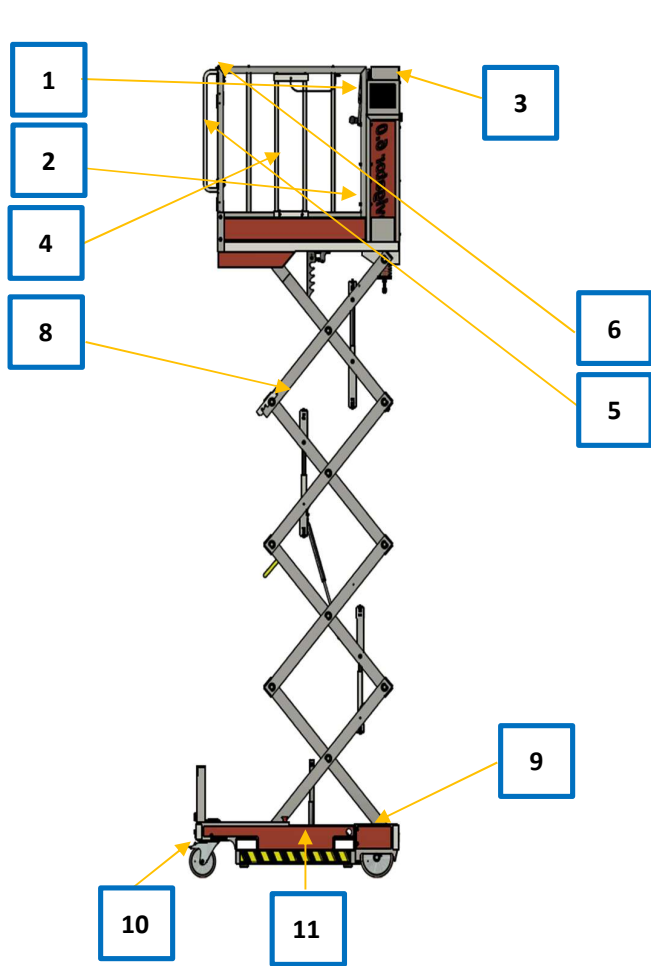
In addition to the machine operator, both the **Site Surveyor and Planner** and the **Machine Demonstrator** must be **competent** to carry out their roles, in accordance with the guidance outlined in the **Safe Use of MEWPs – Code of Practice**, sections **7.2.6** and **7.2.7**, respectively.

12. PLANNING RESPONSIBILITIES – SITE SURVEYOR & PLANNER

When preparing for work involving a Navigator machine, the Site Surveyor and Planner should follow these steps:

- a. Identify the task to be performed at height
- b. **Select the appropriate equipment**, such as a PAV (Push Around Vertical) or other MEWP
- c. **Identify potential hazards** associated with the task
- d. **Conduct a risk assessment** and define suitable control measures
- e. **Develop a safe method of work** for task execution
- f. **Document the plan** in a Method Statement, including procedures for **emergency rescue**
- g. **Communicate the plan** clearly to all involved personnel
- h. **Review the plan** prior to starting the job and **update it** to reflect any changes or new risks

13. PRIMARY COMPONENTS



7



12

1.	Handle
2.	Foot brake
3.	Tool Tray
4.	Emergency Guardrail Hatch
5.	Handlebars
6.	Saloon Gates
7.	Gate Lock
8.	Scissor Pack
9.	Fixed Drive Wheel
10.	Castor
11.	Stabiliser
12.	Spirit Level

14. PRE-OPERATION CHECKS

Before using the Navigator, perform the following checks to ensure safe and reliable operation:

14.1 VISUAL INSPECTION

- a. Inspect the entire unit from the wheels up to the guardrails for any damage, signs of wear and tear, or loose components.

14.2 WHEELS & CASTORS

- a. Check that the castors move freely without obstruction.
- b. Inspect the axle bolts for tightness and signs of wear.
- c. Test the castor locking mechanism:
 - Step on the pedal to engage the brake
 - Pull the pedal up to release (*Refer to Picture A, page 16*)

14.3 LEVEL INDICATOR

- a. Confirm the Level Indicator is present and easily readable. (*Refer to Picture B, page 16*)

14.4 GATES & FIXINGS

- a. Open and close the platform gates to ensure they operate smoothly.
- b. Check that all gate fixings are intact and undamaged.

14.5 STABILISERS

- a. Deploy and retract the stabilisers to ensure proper function. (*Refer to Picture C, page 16*)

14.6 EMERGENCY HANDLE

- a. Check the Emergency Handle, located under the platform step, for any damage or obstructions.

14.7 FOOT PEDAL & PLATFORM HOOKS

- a. Stand on the platform and press the foot pedal to confirm:
 - The platform hooks release properly
 - The mechanism retracts automatically

14.8 MAIN OPERATION HANDLE

- a. Pull the handle towards your body and release it to confirm it retracts and locks correctly. (*Refer to Picture D, page 16*)

14.9 TO ASCEND

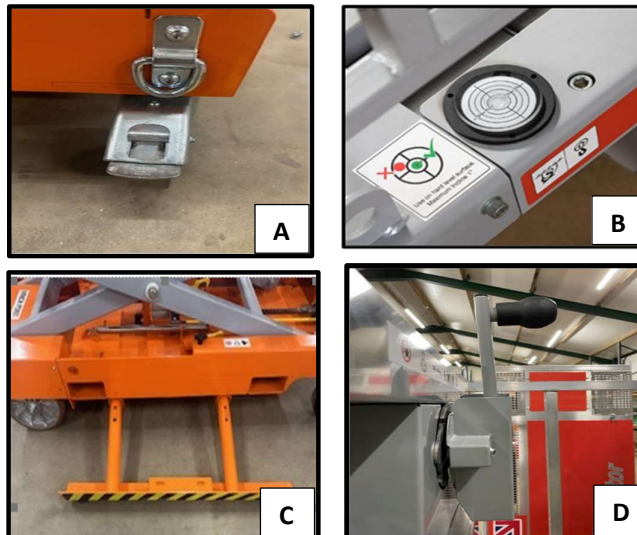
- Depress the foot pedal to release the platform hook
- Pull the handle towards you and turn it anti-clockwise
- The platform will rise smoothly

14.10 TO STOP

- Simply **release the handle** at your desired height
- The handle will **automatically retract and lock the platform in place**

14.11 TO DESCEND

- Pull the handle towards you and turn it clockwise
- You do **not need to press the foot pedal**
- Ensure the platform **returns to the stowed position**, indicated by **two - four audible clicks** from the transport hook.



IMPORTANT SAFETY WARNING

If any of the above checks fail or if any component does not function correctly, **DO NOT USE THE PLATFORM.**

Immediately:

- Quarantine the machine
- Contact the supplier for inspection or repair.



WARNING:

NEVER USE THE EMERGENCY LOWERING HANDLE/SYSTEM UNLESS THERE IS A PERSON INCAPACITATED WITHIN THE PLATFORM.



WARNING:

NEVER TRY TO RECOVER THE PLATFORM/OPERATOR WHEN IN CONTACT WITH POSSIBLE LIVE WIRES OR CABLES.

15. NORMAL OPERATION

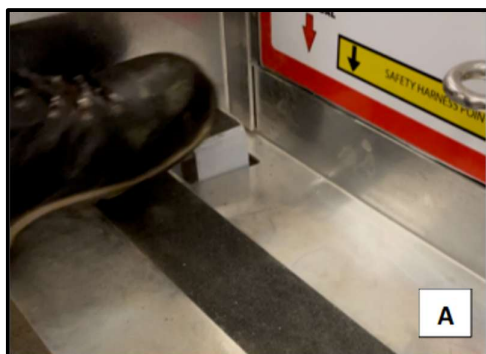
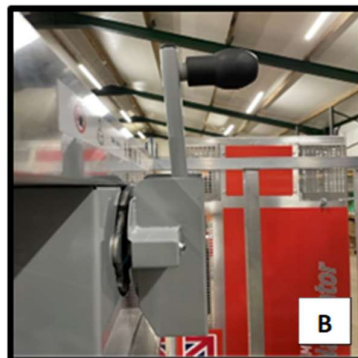
Follow these steps for the safe and correct use of the Navigator:

15.1 POSITIONING THE PLATFORM

- a. Manoeuvre the platform into position, ensuring it is directly beneath the intended working area.
- b. Check for overhead obstructions and avoid any proximity to live electrical cables.
- c. Engage the castor brakes to lock the platform in place.
- d. Use the spirit level to confirm the platform is level.
 - The bubble must remain within 0.5 degrees of centre.
- e. Step onto the platform, maintaining three points of contact, and enter through the gates.
 - Ensure the gates close securely behind you.

15.2 ELEVATING THE PLATFORM

- a. While standing on the platform, press the foot pedal to release the platform hooks.
 - Ensure the hooks retract automatically.
 - Once the platform begins to rise, remove your foot from the pedal. *(See Picture A, page 17)*
- b. Pull the handle towards your body and release it.
 - Confirm the handle retracts and locks off correctly. *(See Picture B, page 17)*
- c. To stop ascending, simply let go of the handle at your desired height.
 - The handle will automatically retract and lock, holding the platform safely in place.



15.3 LOWERING PROCESS

- a. Pull the handle towards the body and turn handle clockwise, you do not have to depress the foot pedal when returning the platform to transport position, but listen out for two – four clicks to ensure the transport hook is engaged.

NOTE: The foot pedal can be released once you are out of the transport position. When returning to the stowed position listen for at least two clicks from the foot pedal to ensure the platform is fully compressed.



DANGER – CRITICAL SAFETY WARNING

- a. **The operation handle must ONLY be used from inside the guardrails.**
- b. **Never operate the handle from outside the platform's guardrail system.** Doing so poses a serious risk of severe injury.
- c. **Always remain fully within the confines of the guardrails while operating the Navigator.**

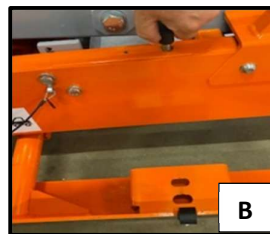


WARNING:

- a. **NEVER USE THE EMERGENCY LOWERING HANDLE/SYSTEM UNLESS THERE IS A PERSON INCAPACITATED WITHIN THE PLATFORM**

15.4 OUTDOOR USE (ONLY WHEN FITTED WITH THE STABILISERS)

- a. Locate the plunger on the Chassis. *(See Picture A, page 18)*
- b. Pull plunger up and pull out the stabiliser from each side. *(See Picture B, page 18)*
- c. Once the stabiliser is deployed, ensure stabilisers are fully extended. *(See Picture C, page 18)*



WARNING:

- a. WHEN NAVIGATOR IS USED OUTDOORS THE STABILISERS MUST BE DEPLOYED



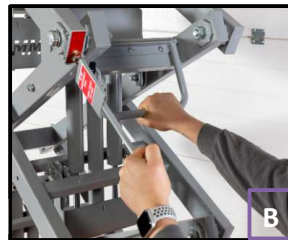
DANGER:

- a. NEVER USE THE NAVIGATOR WHEN THE WIND SPEED IS GREATER THAN 12.5 M/S.
- b. NEVER ELEVATE THE PLATFORM WITHOUT THE SECURING PIN LOCATED

15.5 EMERGENCY LOWERING PROCEDURE

The emergency lowering procedure should only be used when the operator is incapacitated within the platform and requires immediate recovery.

- a. Locate the emergency lowering handle underneath the step and turn it clockwise until it meets the scissor section. (See Picture A, page 20).
- b. Remove the Emergency Handle from the first step. This can be identified as the Red Handle and secured with two Red Emergency Tags. Rip and remove.
- c. Latch the handle hook onto the putting lever and give a firm pull.
- d. Pull the Flywheel hand brake cable to disengage the hand brake. This is located on the third scissor section. (See Picture B, page 20).
- e. Continue to turn the handle clockwise to screw the threaded bar to retrieve the platform. The platform will start to descend.
- f. Keep turning the handle but beware of the descending platform and make sure not to come in contact with it.
- g. When in the stowed position or at a sensible height to retrieve the operator, Disengage the Emergency Cable, by pulling on the emergency handle, this will disengage the locking handle.
- h. Emergency Guard. Locate and remove the bars by releasing the drop locks. (See Picture C, page 20).
- i. Ensure the Emergency automatic hand brake is located.
- j. Remove the operator and seek medical advice.



Note: This action takes between 60-90 seconds to come into contact with the scissor and wind it down.



WARNING:

NEVER TRY TO RECOVER THE PLATFORM/OPERATOR WHEN IN CONTACT WITH POSSIBLE LIVE WIRES/CABLES.

16. SAFETY INSTRUCTIONS

To ensure safe and proper use of the Navigator, the following actions must always be followed:

ALWAYS:

- a. Perform daily pre-use checks to confirm the machine is safe to operate.
- b. Ensure all instruction, warning, and safety labels are clean, legible, and clearly visible.
- c. Operate the Navigator strictly within the specified operating limits and parameters.
- d. Check for obstructions and ensure the area is clear of personnel before and during platform movement.
- e. Deploy the stabilisers when operating outdoors and do not use the machine if wind speeds exceed 12.5 m/s (28 mph).
- f. Secure tools and materials within the platform and inside the guardrails.
- g. Position the Navigator on firm, level ground that can support the machine's weight and full Safe Working Load (SWL).
- h. Maintain a safe distance from overhead electrical cables and power lines.
- i. Use the machine only on flat, stable surfaces.
- j. Only ascend when the machine is on level, stable ground.
- k. Keep both hands inside the platform at all times during operation.
- l. Before use, verify the rear castor pedal lock is working correctly:
 - Push down to lock
 - Pull up to unlock
- m. Ensure saloon gates close securely behind the operator before ascending.
- n. Wear correct PPE (Personal Protective Equipment) at all times while operating the machine.
- o. Evenly distribute the platform load and never exceed the SWL during use.
- p. Ensure the safety of personnel nearby, keeping the work area clear.
- q. Keep other vehicles away from the platform operating area.
- r. Cordon off the area to prevent unauthorised access by personnel or vehicles.
- s. Ensure there is another trained person on-site who can operate the emergency controls if needed.
- t. Follow the emergency lowering procedure detailed in this manual.
- u. Read and understand this Operator Manual in full before using the Navigator.
- v. Use only the designated lifting points when lifting or transporting the machine.
- w. Before each use, verify that the Navigator's LOLER (Lifting Operations and Lifting Equipment Regulations) Certificate is valid and current.

NEVER:

The following actions are **strictly prohibited**. Failure to comply may result in serious injury, equipment damage, or legal liability.

- a. Elevate the platform while actively performing work tasks
- b. Use the Navigator outside its designed parameters
- c. Access or exit the working area while the platform is ascending or descending
- d. Use the Navigator as a material lift
- e. Modify the Navigator to gain additional height
- f. Tamper with the lifting mechanism to increase its lifting capacity
- g. Operate the Navigator if it has been quarantined for inspection or repair
- h. Use the Navigator if its LOLER certificate is expired
- i. Exceed the Safe Working Load (SWL) of the platform
- j. Operate the Navigator with gates open or not closing securely
- k. Override the anti-surfing braking system
- l. Move or manoeuvre the machine while the platform is elevated
- m. Step or walk from one platform to another without an approved Risk Assessment and Method Statement (RAMS)
- n. Drill into or modify any part of the machine in a way that could compromise its structural integrity
- o. Allow someone on the ground to activate emergency descent unless a genuine emergency exists
- p. Use the emergency lowering procedure unless a person is on the platform
- q. Remove the scissor pack pins while the platform is unsupported and elevated
- r. Remove the gas struts while the scissors are unsupported and elevated
- s. Overreach without stabilisers deployed or apply more than 200 N of lateral force (if stabilisers are fitted)
- t. Operate the Navigator when overhead work is in progress
- u. Attempt to move the Navigator while someone is standing on the platform
- v. Use the machine outdoors without deploying stabilisers
- w. Operate the Navigator if the stabilisers do not deploy correctly or are damaged
- x. Use the Navigator if any wheel is severely worn, damaged, or missing parts—this affects machine stability
- y. Tie the Navigator to any external structure or attach ropes, cables, wires, or similar
- z. Cover the sides of the Navigator during outdoor use—this can cause dangerous instability
 - Increase the platform size using unauthorised deck extensions
 - Operate the Navigator on surfaces sloped more than 0.5°
 - Repeat use outside the design parameters of the equipment

17. MAINTENANCE PROCEDURE

17.1 DAILY MAINTENANCE

- a. The most critical daily maintenance tasks are outlined in **Section 13 – Pre-Operation Checks**.
- b. Among these, the **visual inspection** is the **most important part of daily maintenance**.
- c. Operators and maintenance personnel must **carefully inspect the machine each day** for signs of wear, damage, or irregularities before use.
- d. **If any issue is identified, the Navigator must not be used until it has been inspected and cleared by a qualified technician.**

17.2 DAILY CHECKS

This should be conducted at the start of the day, or when there is a change of operator.

Visually check there is no damage to:

- a. Certificate: Check the manual and LOLER/Certificate of conformity is present and is in date.
- b. Castors: Inspect the castors and brakes and ensure they are not damaged or loose as this will reduce stability.
- c. Structure: Check the main unit, scissors and chassis for damage.
- d. Gates: Check the gates open and close freely. Climb onto the platform and maintain three points of contact. Step through the gates and ensure the gates are closed behind you.
- e. Handles: Check main and emergency handles are not damaged.



WARNING:

- a. **DO NOT MANOEUVRE THE PLATFORM AROUND ON A GRADIENT OF MORE THAN 5 DEGREES BY YOURSELF. ENSURE YOU HAVE A SECOND PERSON TO ASSIST.**
- b. **IF ANY OF THE ABOVE DO NOT MEET THE CRITERIA, PLEASE QUARANTINE THE UNIT AND CONTACT THE HIRE SUPPLIER. FAILING TO DO SO MAY RESULT IN SEVERE INJURY OR EVEN DEATH.**

17.3 FUNCTION CHECKS

A. Castor Brakes

Depress and ensure the castors lock.

B. Handle

Pull the Handle towards your body and release, ensure the handle retracts on it own.

C. Anti-Surf Brake

Elevate the platform by 250mm to operate the anti-surf brake on the fixed wheels. Push or pull and ensure the fixed wheel brake has engaged.

D. Ascent/Descent

Depress the foot pedal, pull the handle towards the body and turn anti-clockwise to elevate. To Stop, release both the handle brake at your desired height.

To descend, repeat the process in reverse but turn the handle clockwise, you do not have to depress the foot pedal when returning the platform to transport position, but listen out for the double click to ensure the transport hook is engaged.

E. Stabilisers

Deploy and retract correctly.

F. Emergency Lowering function checks

Locate the handle and place on the shaft and ensure the handle is not damaged.



WARNING:

NEVER USE THE EMERGENCY LOWERING HANDLE/SYSTEM UNLESS THERE IS A PERSON INCAPACITATED WITHIN THE PLATFORM.



WARNING:

IF ANY OF THE DAILY CHECKS OR MONTHLY CHECKS DO NOT COMPLY, QUARANTINE THE MACHINE AND CONTACT THE HIRE SUPPLIER. FAILING TO DO SO MAY RESULT IN SOMEONE BEING SEVERELY INJURED

18. MONTHLY MAINTENANCE

In addition to performing all **daily checks and function tests** outlined in Section 16.1 and 16.2, the following tasks must be completed each month:

Lifting Mechanism & Chain Inspection

1. **Remove the Tool Tray.**
2. **Remove both the Front and Rear Covers** and place them in a safe location to avoid damage or loss.

Using a Torch, Inspect the Following Components:

- a. **Chain:**
 - Check that the chain is **free from debris and corrosion**.
 - If the chain appears **dry or slightly corroded**, apply a suitable **lubricant** along its full length.
- b. **Gear Teeth:**
 - Inspect for **damage, debris, or corrosion**.
 - If necessary, apply **lubricant** using a **circular motion** to ensure full coverage of the gear mechanism.
- c. **Handbrake and Gas Struts:**
 - Visually inspect both for **wear, damage, or signs of failure**.
 - Ensure all components are in good working order.



WARNING:

NEVER USE THE EMERGENCY LOWERING HANDLE/SYSTEM UNLESS THERE IS A PERSON INCAPACITATED WITHIN THE PLATFORM.



WARNING:

ANY REPAIRS SHOULD BE CARRIED OUT BY A TRAINED COMPETENT PERSON. ALL SPARE PARTS CAN BE PURCHASED FROM THE MANUFACTURER AND OEM PARTS SHOULD ONLY BE USED WHEN PARTS ARE BEING REPLACED.

19. MAINTENANCE FREQUENCY TABLE

Maintenance Frequency Table			
Item	Daily	Monthly	6 Month (LOLER/Thorough Examination)
Manual	•	•	•
Visual (Welds, Safety-Critical Fixings)	•	•	•
Spirit Level	•	•	•
Castor Condition	•	•	•
Gates, Guardrails	•	•	•
Central Castor Lock	•	•	•
Scissor Pack Inspection	•	•	•
Function Test	•	•	•
Gear Mechanism Inspection		•	•
LOLER certificate			•
Emergency Lowering (LOLER)			•
Safe Working Load (110%) (LOLER)			•

19.1 PRE-DELIVERY REPORT

Please see attachment Sub Section 1.0.

19.2 LOLER (THOROUGH EXAMINATION) REPORT

Please see attachment Sub Section 1.1

19.3 SAFETY CRITICAL FIXINGS TORQUE TABLE

Safety Critical Fixings Table			
Location	Fixing	Torque	Comment
Castor Mounting Plate	M8	30 Nm	New Nyloc Nut When replacing Fixings
Castor Axle Bolt	M16	50 Nm	New Pinch Nut when replacing fixings
Scissor Pivot Bolt	M16		New Nyloc when replacing Fixings. Ensure to have three threads (min) protruding through the nut.
Fixed Wheels Nut	M20	50 Nm	New Nyloc Nut when replacing fixing or wheel

20. TRANSPORTATION AND MANOEUVRING INSTRUCTIONS

The Navigator is equipped with anchor points, tie-down points, and forklift pockets located on the chassis to facilitate safe transportation.

While it is at the owner's discretion how the machine is moved between sites, all transportation must be conducted in accordance with a Risk Assessment and Method Statement (RAMS) that outlines the following key considerations:

Identify all primary transportation features, including:

- a. Anchor points
- b. Tie-down locations
- c. Forklift pockets

21. WARRANTY TERMS

Except as otherwise stated in this section, the following warranty applies to all Goods sold:

Goods that meet all of the following conditions:

- 1. Are located at the Installation Site
- 2. Have been properly installed and maintained by authorised personnel
- 3. Have been operated within rated and normal usage limits are warranted to:
 - a. Conform to the Seller's quoted Technical Specifications
 - b. Be free from defects in materials and workmanship, as confirmed by the Seller's inspection

21.1 WARRANTY COVERAGE

- a. Parts and Labour:
 - o 12-month warranty from the date of installation
 - o Optional 24-month extension available for an additional fee
- b. Structural Components:
 - o 1-year structural warranty

21.2 WARRANTY SERVICE CONDITIONS

- a. All repairs covered under this warranty must be performed at the **Company's factory** or a **designated warranty repair facility**, unless otherwise authorised in writing by the Company.
- b. Any defect reported and corrected within **360 days** of installation that falls within the warranty scope will be **repaired free of charge**, including both **labour and materials**.

21.3 EXCLUSIONS – NON-WARRANTY CONDITIONS

If, upon inspection, the Company determines that:

- a. No fault exists, **or**
- b. The issue is due to:
 - o Unauthorised modifications
 - o Abuse, misuse, or dropping the unit
 - o Installation or use of non-OEM parts
 - o Negligence
 - o Tampering or unauthorised alterations by the Purchaser, their agents, employees, or customersthen all repair costs will be borne by the Purchaser, including labour and materials.

THIS CONSTITUTES THE SOLE WARRANTY MADE BY THE COMPANY EITHER EXPRESSED OR IMPLIED. THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED WHICH EXTEND BEYOND THE FACE HEREOF, HEREIN, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT THE ALL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE AND THE PURCHASER'S REMEDIES SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT OF NONCONFORMING UNITS OR PARTS.

21.4 WARRANTY TRANSPORTATION

It is the Owner's responsibility to arrange transportation of the Navigator back to the manufacturer's premises for any warranty-related inspection or repair.

While the manufacturer can coordinate transportation upon request, all associated costs will be chargeable to the Owner unless otherwise agreed in writing.

21.5 WARRANTY PROCESS

When requesting a warranty repair or returning an access platform for inspection, the following information must be provided to the manufacturer:

- a. Machine Serial Number
- b. Original Order Number

Important:

Failure to supply this information will result in the warranty claim being delayed or rejected.



WARNING:

If the Navigator has sustained significant damage and major structural components have been replaced, the machine must undergo a new LOLER/Thorough Examination, regardless of whether the previous certificate is still valid.

Any major structural repair must be followed by a full LOLER re-certification to ensure continued safe operation.

Failure to comply may result in unsafe use and invalidation of warranty and insurance coverage.

APPENDIX 1 - DAILY INSPECTION/PDI CHECK SHEET

The Check sheet is to be used as part of a daily inspection at the beginning of each shift, or the change of operative. This is to be conducted by a competent Operative who is using the product and is familiar with it.

Please Keep an up-to-date record and report any discrepancies to your line manager. A dirty Navigator cannot be inspected correctly.

WARNING: FAILING TO COMPLETE THE DAILY INSPECTION OR INSPECTION WHEN CHANGING AN OPERATIVE MAY LEAD TO INJURY.

Model Serial Number.....

Y-Yes Acceptable N-No Unacceptable R- Repaired	Y	N	R
Visual Inspection			
Check the Manual and Certs are present			
Check that there is no damage – Inspect from the ground upwards. Dents, wear, and tear.			
Check fixings are in place and not missing			
Check the Labels are legible and easy to understand			
Check The Condition of the spirit Level			
Check the Guardrails and gates are open closed lose and not damaged			
Check the platform for damage and debris, and check the function handles, foot pedal, and Is for damage			
Check the flywheel			
Check and inspect the Tool tray and cover for damage.			
Check the tires. Any missing tread chunks will reduce the stability			
Check and inspect the emergency lowering handle for damage.			
Function Tests			
Operate the Central Castor Brake Pedal and ensure the brakes operates correctly. Push – Pull/hold			
Step into the platform. Maintain three points of contact.			
Press and release the foot pedal. Confirm that it fully returns to its original position and securely locks in place.			
Operate the hand brake and release. Ensure it retracts to the original position and locks off			
Operate both brakes simultaneously and elevate the platform 250mm. Ensure the anti-surf brakes have been deployed			
Deploy the Stabilisers and ensure they lock off.			
Retract the stabilisers.			
Elevate the platform to the full height and lower. Ensure to stop when elevating and descend to ensure the hand brake retracts to the original position.			
Whilst the Platform is elevated ensure the gravity lock has deployed and the gates do not open when elevated.			
Emergency Lowering System – DO NOT TEST SYSTEM (Only tested during LOLER Testing)			
Date:	Inspected By:		

Navigator 6.0																						
LOLER (Thorough Inspection) Report																						
Product Owner/User Name & Address																						
Serial Number:		Customer No.:						Owner/User														
Machine Model:																						
Hour Meter Reading:																						
INSPECTION TYPE:		LOLER (Inspection Date)				LOLER (Previous Inspection Date)																
LOLER		Must be carried out by a competent technician or qualified CAP engineer.																				
FREQUENCY		Frequency Inspection of this machine every six months (LOLER/Thorough Inspection).																				
Check each item below. (Refer to Operators & Safety, Service & Maintenance Manuals for specific information regarding inspection procedures and criteria.) Indicate in the appropriate space as each item has been performed.																						
If the item is found to be unacceptable, describe each discrepancy in the comments space at the bottom of the form. Use additional paper if necessary. Immediate action must be taken to correct all discrepancies. The owner shall not place the machine in service until all discrepancies have been corrected.																						
Y=Yes (Passed) N=NO (Failed) C=Corrected NA=Not Applicable		Y	N	C	NA	Y=Yes (Passed) N=NO (Failed) C=Corrected NA=Not Applicable		Y	N	C	NA	Y=Yes (Passed) N=NO (Failed) C=Corrected NA=Not Applicable		Y	N	C	NA					
GENERAL					CHASSIS					MANUALS.												
1. Lift is free of unauthorized modifications or additions.									1. Wheel axle bolts and fixings bolts properly, please see the manual for torque values									1. Manual of Responsibilities in a manual storage box.				
2. Paint and overall appearance.									2. Check tires for damage & wear. (no more than 10 mm +/-)									2. Operators & Safety Manual in a manual storage box.				
3. Applicable Safety Bulletins completed.									3. The castor and fixed wheels move freely and the braking system is working correctly. To test, press the central castor pedal to brake, Push – Pull /Hold. To release, Pull Up on the pedal and push the product.									3. OEM Handbook in a manual storage box.				
4. Inspect general structural condition including all welds.									4. Anti-surf brake. To test, elevate the platform 100 mm to activate the anti-surf brake, please ensure to operate the handle from inside the guardrail and with a payload within the platform									4. Capacity decals in place, secure & legible at both ground & platform stations				
5. All safety-critical fixings are present and tight.									5. Ensure the emergency lowering mechanism is in working order and is free from debris									5. All instruction & safety placards are installed & legible.				
6. Wheels are in good serviceable condition.									6. Spirit Level, ensure the spirit level is in working order and easily readable.													
7. Gates Open and Close freely, and the lock mechanism retracts.																						
					FUNCTIONS																	
Comments.					1A. Main handbrake: disengage the handbrake and release to ensure the handbrake engages.										COMMENTS:							
					2. Foot Pedal. disengage the handbrake and release it to ensure the handbrake engages.																	
					3. Turning Handle; With the Flywheel handbrake disengaged and turn the flywheel anticlockwise to elevate and clockwise to descend, at any point release both mechanisms to stop at the desired height, ensure the platform stops.																	
					4. Elevate the platform and ensure the gravity lock has operate																	
PLATFORM ASSEMBLY																						
1. Platform installed & Emergency rails are secure									5. Emergency Lowering Procedure. With someone in the confines of the guardrail. Operate the emergency lowering mechanism by turning the handle clockwise to Lower													
2. Covers are secured and undamaged									6. Remove the covers to the flywheel and inspect the mechanism and lightly spray the chain with chain grease.													
3. Gates Open and Close freely, and the lock mechanism retracts.									7. Wind-rated stabilizers operate and lock out when deployed.													
Comments									8. SWL test; with 120% of the SWL. Elevate the platform to full height and release the handle. Ensure the platform locks off and supports the weight.													
SCISSOR ARMS																						
1. Scissor arms free of damage, cracks and distortion.									Gas Struts													
2. Arm safety props operational.									1. All Struts are free of leaks and damage.													
3. Cylinder pins, pivot pins & attaching hardware secure & undamaged									2. Struts safety fixings are torqued.													
4. Arm circlips, wear pads & attaching hardware secure & undamaged.									3. Strut housing brackets move freely with the cylinder.													
The undersigned certifies that this machine has been tested to EN 280 per each area of inspection, and any discrepancies have been brought to the attention of the Owner/User and all discrepancies have been rectified.																						
Owner/User:		Print Name:			Date:																	
Authorised Signature:																						