

**create  
space**  
and never  
forget



**EXPANDABLE**  
movable spaces

**SERVICE & MAINTENANCE  
CHECKLIST  
TOUCHDOWN**



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## Service & Maintenance Checklist – Expandable Touchdown

This checklist applies to the maintenance of your Expandable Touchdown. Follow the maintenance intervals below strictly to ensure optimal performance, safety, and product longevity.

### Maintenance Schedule

- Maintenance 0 – 2 weeks / 2,000 km  
To be carried out 2 weeks after delivery or at 2,000 km (whichever comes first)
- Maintenance 1 – 30,000 km / 3 months
- Maintenance 2 – 60,000 km / 6 months
- Maintenance 3 – 120,000 km / 12 months

### Execution of Maintenance

All maintenance and service activities covered by this checklist must be carried out by Expandable or by an Expandable-certified service partner. This is required to ensure safety, reliability, and warranty compliance.

### Operator Information

Operator-related information and usage instructions can be found in the supplied *user manual* or on our support website. Scan the QR code below and select the correct product on our support page.

### Technical Support

For workshop instructions, technical documentation, or support:

[info@expandable.nl](mailto:info@expandable.nl) | +31 (0)85 890 21 88 | [www.expandable-trailers.com/contact](http://www.expandable-trailers.com/contact)

### Important

- Failure to follow the prescribed maintenance schedule may result in malfunctions or warranty limitations.
- Perform regular visual inspections for wear, damage, and proper operation of key components.
- Report any irregularities or defects immediately to Expandable or an authorized service partner.

SCAN QR CODE





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## MAINTENANCE - 2 weeks / 2,000 kilometres



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### Expandable System

#### CHECKPOINT

#### ACTION

Doors and locks functioning	Visual inspection - Functional test	
Walls - Moulded parts	Visual inspection - damage	
Guiding Rails	Alignment check - bolt fastening	
Hydraulic system	Check for oil leaks - cylinders - couplings - hoses - oil level	
Expandable Hydro Functions. Hydraulic legs / slide outs / levelling	Check functional operation	
Expandable 24V power supply / charging system / shore power	Check functional operation	
Slide outs	Operation - functionality - alignment - signs of wear	
Sensors Levelling - Slidin	Visual inspection - Functional test	
Control panel	Visual inspection - Functional test	
Remote	Visual inspection - Functional test	

### Identification

Number plate present and legible	Visual inspection - damage	
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**Air systems Brakes + Air suspension**

**CHECKPOINT**

**ACTION**

Service brake	Brake test	
Parking brake	Brake test	
Brake lines airtight	Visual inspection - Damage	
Brake hoses undamaged	Visual inspection - Damage	
Brake cylinders leak-free	Visual inspection - Damage	
ABS/EBS no malfunctions	Reading	

**Body**

Head valve	Check operation - damage - remove contamination	
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**Axles + Wheels**

Axle spring pin bolts	Torque check	
No cracks or bulges in tyres	Visual inspection	
Tyre pressure correct	Tyre pressure gauge check	
Rims undamaged	Visual inspection	
Wheel nuts complete and tight	Torque check	



## Lighting

### CHECKPOINT

### ACTION

Rear lights	Function check - damage	
Brake lights	Function check - damage	
Left/right indicators	Function check - damage	
Number plate lights	Function check - damage	
Marker and contour lights	Function check - damage	
Torches	Function check - damage	
Reflectors visible	Visual inspection - Repair	
Plug and cables undamaged	Visual inspection	

## Clutch & Safety

Kingpin bolt tightness	Torque check	
Connectors Head valve operation - damage	Visual inspection - Functional test	



## Touchdown system

### CHECKPOINT

### ACTION

CHECKPOINT	ACTION	
Cylinder carriage	Check for oil leaks - cylinders - couplings - wear	
Bumper Unit	Visual inspection - Damage	
Bumper Unit Locking Jost Pins	Visual inspection - Functional test	
Bumper Unit Locking Hooks	Visual inspection - Functional test	
Front piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear piston cylinder - Extension cylinder	Check for oil leaks - cylinders - couplings - wear	
Axle trolley Locking device	Visual inspection - Functional test	
Axle carriage Roller screen	Visual inspection - Functional test	
Cable Reel	Visual inspection - Functional test	
Axle Locking	Visual inspection - Functional test	
Side Guard Parts Touchdown	Visual inspection - Functional test	



## Options

### CHECKPOINT

### ACTION

Air conditioning system	Functional operation check	
LED interior lighting	Visual inspection - Functional test - Damage	
LED exterior lighting	Visual inspection - Functional test - Damage	
Phase rail LED spotlight	Visual inspection - Functional test - Damage	
Electric sliding doors	Visual inspection - Functional test - Damage	
Hybrid battery Solar	Visual inspection - Functional test	
Sliding frame	Visual inspection - Functional test	
Transport fixings	Presence - Functional test	
Radial dampers	Visual inspection - Functional test	
Lock	Visual inspection - Functional test	

# MAINTENANCE 1



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## Expandable System

### CHECKPOINT

### ACTION

CHECKPOINT	ACTION	
Doors and locks functioning	Visual inspection - Functional test	
Stairs	Visual inspection - Functional test	
Step Elements	Visual inspection - Damage	
Key Safe	Visual inspection - Functional test	
Walls - Moulded parts	Visual inspection - Damage	
Guiding Rails	Alignment check - bolt fastening	
Hydraulic system	Check for oil leaks - cylinders - couplings - hoses - oil level	
Expandable Hydro Functions. Hydraulic legs / slide outs / levelling	Check functional operation	
Expandable 24V power supply / charging system / shore power	Check functional operation	
Slide outs	Operation - functionality - alignment - signs of wear	
Floor system	Visual inspection - Functional test	
Sensors Levelling - Sliding	Visual inspection - Functional test	
Floor panels	Visual inspection - Functional test - damage	
Seals Slide outs	Visual inspection - Damage	
Folding floor seals	Visual inspection - Damage	
Control panel	Visual inspection - Functional test	
Remote	Visual inspection - Functional test	

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## MAINTENANCE 1



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### CHECKPOINT

### ACTION

Segment Slide Cylinder	Visual inspection - Functional test	
Type plate present and legible	Visual inspection	

### Identification

Number plate present and legible	Visual inspection - Damage	
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## Air systems Brakes + Air suspension

CHECKPOINT	ACTION	
Service brake	Brake test	
Parking brake	Brake test	
Brake lines airtight	Visual inspection - Damage	
Brake hoses undamaged	Visual inspection - Damage	
Brake cylinders leak-free	Visual inspection - Damage	
Even braking action left/right	Brake test	
ABS/EBS no malfunctions	Reading	
Air suspension system	Function check - Damage	
Air bellows	Function check - Damage	
Air lines	Function check - Damage	
Air couplings	Function check - Damage	

## Body

Side guard parts Trailer	Visual inspection - Functional test	
Side guard uprights	Visual inspection - Functional test	
Head valve	Check operation - damage - remove contamination	

## Axles + Wheels

CHECKPOINT	ACTION	
No cracks or bulges in tyres	Visual inspection	
Tyre pressure correct	Tyre pressure gauge check	
Rims undamaged	Visual inspection	

## Lighting

Rear lights	Function check - damage	
Brake lights	Function check - damage	
Left/right indicators	Function check - damage	
Number plate lights	Function check - damage	
Marker and contour lights	Function check - damage	
Torches	Function check - damage	
Reflectors visible	Visual inspection - Repair	
Plug and cables undamaged	Visual inspection	

## Clutch & Safety

Kingpin	Visual inspection for damage	
Connectors Head valve operation - damage	Visual inspection - Functional test	



## Touchdown system

CHECKPOINT	ACTION	
Axle carriage Flange wheel	Visual inspection - damage	
Bearing Flange wheel	Visual inspection - damage	
Cylinder carriage	Check for oil leaks - cylinders - couplings - wear	
Bumper Unit	Visual inspection - Damage	
Bumper Unit Locking Jost Pins	Visual inspection - Functional test	
Bumper Unit Locking Hooks	Visual inspection - Functional test	
Front piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear piston cylinder - Extension cylinder	Check for oil leaks - cylinders - couplings - wear	
Axle trolley Locking device	Visual inspection - Functional test	
Axle carriage Roller screen	Visual inspection - Functional test	
Cable Reel	Visual inspection - Functional test	
Axle Locking	Visual inspection - Functional test	
Side Guard Parts Touchdown	Visual inspection - Functional test	

## Options

CHECKPOINT	ACTION	
Air conditioning system	Functional operation check	
LED interior lighting	Visual inspection - Functional test - Damage	
LED exterior lighting	Visual inspection - Functional test - Damage	
Phase rail LED spotlight	Visual inspection - Functional test - Damage	
Roof terrace	Visual inspection - Functional test - Damage	
Spiral staircase	Functional test - Locks	
Drainage parts	Presence - Functional test	
Roof railing parts	Functional test - Locks	
Sliding frame	Visual inspection - Functional test	
Wings	Guides - Wear	
Transport fixings	Presence - Functional test	
Radial dampers	Visual inspection - Functional test	
Lock	Visual inspection - Functional test	



### Expandable System

#### CHECKPOINT

#### ACTION

CHECKPOINT	ACTION	
Doors and locks functioning	Visual inspection - Functional test	
Stairs	Visual inspection - Functional test	
Step Elements	Visual inspection - Damage	
Key Safe	Visual inspection - Functional test	
Walls - Moulded parts	Visual inspection - Damage	
Guiding Rails	Alignment check - bolt fastening	
Hydraulic system	Check for oil leaks - cylinders - couplings - hoses - oil level	
Expandable Hydro Functions. Hydraulic legs / slide outs / levelling	Check functional operation	
Expandable 24V power supply / charging system / shore power	Check functional operation	
Slide outs	Operation - functionality - alignment - signs of wear	
Slide-out support beams	Check/Lubricate	
Floor system	Visual inspection - Functional test	
Sensors Levelling - Sliding	Visual inspection - Functional test	
Floor panels	Visual inspection - Functional test - damage	
Seals Slide outs	Visual inspection - Damage	
Folding floor seals	Visual inspection - Damage	
Control panel	Visual inspection - Functional test	

## MAINTENANCE 2



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### CHECKPOINT

### ACTION

CHECKPOINT	ACTION	
Remote	Visual inspection - Functional test	
Sliding Sleeve Sliding Block	Visual inspection - damage	
Segment Slide Cylinder	Visual inspection - Functional test	
Type plate present and legible	Visual inspection	

### Identification

Number plate present and legible	Visual inspection - Damage	
Chassis number/VIN	Visual inspection	

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### Air systems Brakes + Air suspension

CHECKPOINT	ACTION	
Service brake	Brake test	
Parking brake	Brake test	
Brake lines airtight	Visual inspection - Damage	
Brake hoses undamaged	Visual inspection - Damage	
Brake cylinders leak-free	Visual inspection - Damage	
Brake linings sufficiently thick	Visual inspection	
Brake discs	Visual inspection - Measurement	
Even braking action left/right	Brake test	
ABS/EBS no malfunctions	Reading	
Air suspension system	Function check - Damage	
Air bellows	Function check - Damage	
Air lines	Function check - Damage	
Air couplings	Function check - Damage	

### Body

#### CHECKPOINT

#### ACTION

CHECKPOINT	ACTION	
Side guard parts Trailer	Visual inspection - Functional test	
Side guard uprights	Visual inspection - Functional test	
Head valve	Check operation - damage - remove contamination	

### Axles + Wheels

Axle spring pin bolts	Torque check	
Tyre tread within legal limits	Visual inspection - Measuring tyre tread depth	
No cracks or bulges in tyres	Visual inspection	
Tyre pressure correct	Tyre pressure gauge check	
Rims undamaged	Visual inspection	
Shock absorbers	Visual inspection for leaks and wear	



### Lighting

CHECKPOINT	ACTION	
Rear lights	Function check - damage	
Brake lights	Function check - damage	
Left/right indicators	Function check - damage	
Number plate lights	Function check - damage	
Marker and contour lights	Function check - damage	
Torches	Function check - damage	
Reflectors visible	Visual inspection - Repair	
Plug and cables undamaged	Visual inspection	

### Clutch & Safety

Kingpin	Visual inspection for damage	
Connectors Head valve operation - damage	Visual inspection - Functional test	



### Touchdown system

#### CHECKPOINT

#### ACTION

CHECKPOINT	ACTION	
Axle carriage Flange wheel	Visual inspection - damage	
Bearing Flange wheel	Visual inspection - damage	
Cylinder carriage	Check for oil leaks - cylinders - couplings - wear	
Bumper Unit	Visual inspection - Damage	
Bumper Unit Locking Jost Pins	Visual inspection - Functional test	
Bumper Unit Locking Hooks	Visual inspection - Functional test	
Front piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear piston cylinder - Extension cylinder	Check for oil leaks - cylinders - couplings - wear	
Axle trolley Locking device	Visual inspection - Functional test	
Axle carriage Roller screen	Visual inspection - Functional test	
Cable Reel	Visual inspection - Functional test	
Axle Locking	Visual inspection - Functional test	
Side Guard Parts Touchdown	Visual inspection - Functional test	

**Options**

**CHECKPOINT**

**ACTION**

Air conditioning system	Functional operation check	
Drains	Condensation water drainage check - cleaning	
LED interior lighting	Visual inspection - Functional test - Damage	
LED exterior lighting	Visual inspection - Functional test - Damage	
Phase rail LED spotlight	Visual inspection - Functional test - Damage	
Electric sliding doors	Visual inspection - Functional test - Damage	
Motion detector	Radar Zone adjustment	
Wing	Guides - Wear	
Position functions	Functional test	
Hybrid battery Solar	Visual inspection - Functional test	
Roof terrace	Visual inspection - Functional test - Damage	
Spiral staircase	Functional test - Locks	
Drainage parts	Presence - Functional test	
Roof railing parts	Functional test - Locks	
Sliding frame	Visual inspection - Functional test	
Wings	Guides - Wear	

## MAINTENANCE 2



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### CHECKPOINT

### ACTION

CHECKPOINT	ACTION	
Transport fixings	Presence - Functional test	
Radial dampers	Visual inspection - Functional test	
Lock	Visual inspection - Functional test	

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**Expandable System**

**CHECKPOINT**

**ACTION**

Doors and locks functioning	Visual inspection - Functional test	
Stairs	Visual inspection - Functional test	
Step Elements	Visual inspection - Damage	
Key Safe	Visual inspection - Functional test	
Walls - Moulded parts	Visual inspection - Damage	
Guiding Rails	Alignment check - bolt fastening	
Hydraulic system	Check for oil leaks - cylinders - couplings - hoses - oil level	
Hydraulic system	Oil filter (annual interval)	
Expandable Hydro Functions. Hydraulic legs / slide outs / levelling	Check functional operation	
Expandable 24V power supply / charging system / shore power	Check functional operation	
Slide outs	Operation - functionality - alignment - signs of wear	
Slide-out support beams	Check/Lubricate	
Floor system	Visual inspection - Functional test	
Sensors Levelling - Sliding	Visual inspection - Functional test	
Floor panels	Visual inspection - Functional test - damage	
Seals Slide outs	Visual inspection - Damage	

## MAINTENANCE 3



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### CHECKPOINT

### ACTION

Folding floor seals	Visual inspection - Damage	
Control panel	Visual inspection - Functional test	
Remote	Visual inspection - Functional test	
Sliding Sleeve Sliding Block	Visual inspection - damage	
Segment Slide Cylinder	Visual inspection - Functional test	
Stamp plate	Visual inspection - damage	
Type plate present and legible	Visual inspection	

### Identification

Number plate present and legible	Visual inspection - Damage	
Chassis number/VIN	Visual inspection	

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**Air systems Brakes + Air suspension**

<b>CHECKPOINT</b>	<b>ACTION</b>	
Service brake	Brake test	
Parking brake	Brake test	
Brake lines airtight	Visual inspection - Damage	
Brake hoses undamaged	Visual inspection - Damage	
Brake cylinders leak-free	Visual inspection - Damage	
Brake linings sufficiently thick	Visual inspection	
Brake discs	Visual inspection - Measurement	
Even braking action left/right	Brake test	
ABS/EBS no malfunctions	Reading	
EBS air filter	Replacement	
Air suspension system	Function check - Damage	
Air bellows	Function check - Damage	
Air lines	Function check - Damage	
Air couplings	Function check - Damage	
Air Tank	Visual inspection - drain condensation water	



### Body

#### CHECKPOINT

#### ACTION

Chassis no cracks or serious corrosion	Visual inspection	
Side guard parts Trailer	Visual inspection - Functional test	
Side guard uprights	Visual inspection - Functional test	
Head valve	Check operation - damage - remove contamination	

### Axles + Wheels

Axle spring pin bolts	Torque check	
Tyre tread within legal limits	Visual inspection - Measuring tyre tread depth	
No cracks or bulges in tyres	Visual inspection	
Tyre pressure correct	Tyre pressure gauge check	
Rims undamaged	Visual inspection	
Shock absorbers	Visual inspection for leaks and wear	
Wheel Bearings	Control function - Wear	



### Lighting

CHECKPOINT	ACTION	
Rear lights	Function check - damage	
Brake lights	Function check - damage	
Left/right indicators	Function check - damage	
Number plate lights	Function check - damage	
Marker and contour lights	Function check - damage	
Torches	Function check - damage	
Reflectors visible	Visual inspection - Repair	
Plug and cables undamaged	Visual inspection	

### Clutch & Safety

Kingpin	Visual inspection for damage	
Kingpin	Kingpin wear within standard	
Kingpin bolt tightness	Torque check	
Connectors Head valve operation - damage	Visual inspection - Functional test	



**Touchdown system**

<b>CHECKPOINT</b>	<b>ACTION</b>	
Axle carriage Flange wheel	Visual inspection - damage	
Bearing Flange wheel	Visual inspection - damage	
Cylinder carriage	Check for oil leaks - cylinders - couplings - wear	
Bumper Unit	Visual inspection - Damage	
Bumper Unit Locking Jost Pins	Visual inspection - Functional test	
Bumper Unit Locking Hooks	Visual inspection - Functional test	
Front piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear piston cylinder	Check for oil leaks - cylinders - couplings - wear	
Rear stamp cylinder - Plain bearing with hole	Visual inspection - Wear	
Rear piston cylinder - Plain bearing	Visual inspection - Wear	
Rear piston cylinder - Sliding block 7 mm	Visual inspection - Wear	
Rear piston cylinder - Sliding block 13 mm	Visual inspection - Wear	
Rear piston cylinder - Extension cylinder	Check for oil leaks - cylinders - couplings - wear	

## MAINTENANCE 3



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### CHECKPOINT

### ACTION

CHECKPOINT	ACTION	
Axle trolley Locking device	Visual inspection - Functional test	
Axle carriage Roller screen	Visual inspection - Functional test	
Cable Reel	Visual inspection - Functional test	
Axle Locking	Visual inspection - Functional test	
Side Guard Parts Touchdown	Visual inspection - Functional test	

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**Options**

<b>CHECKPOINT</b>	<b>ACTION</b>	
Air conditioning system	Functional operation check	
Drains	Condensation water drainage check - cleaning	
Filter	Replacement	
LED interior lighting	Visual inspection - Functional test - Damage	
LED exterior lighting	Visual inspection - Functional test - Damage	
Phase rail LED spotlight	Visual inspection - Functional test - Damage	
Electric sliding doors	Visual inspection - Functional test - Damage	
Motion detector	Radar Zone adjustment	
Wing	Guides - Wear	
Position functions	Functional test	
Hybrid battery Solar	Visual inspection - Functional test	
Roof terrace	Visual inspection - Functional test - Damage	
Spiral staircase	Functional test - Locks	
Drainage parts	Presence - Functional test	
Roof railing parts	Functional test - Locks	
Sliding frame	Visual inspection - Functional test	
Wings	Guides - Wear	

## MAINTENANCE 3



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### CHECKPOINT

### ACTION

CHECKPOINT	ACTION	
Transport fixings	Presence - Functional test	
Radial dampers	Visual inspection - Functional test	
Lock	Visual inspection - Functional test	

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**any questions?**  
contact us

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