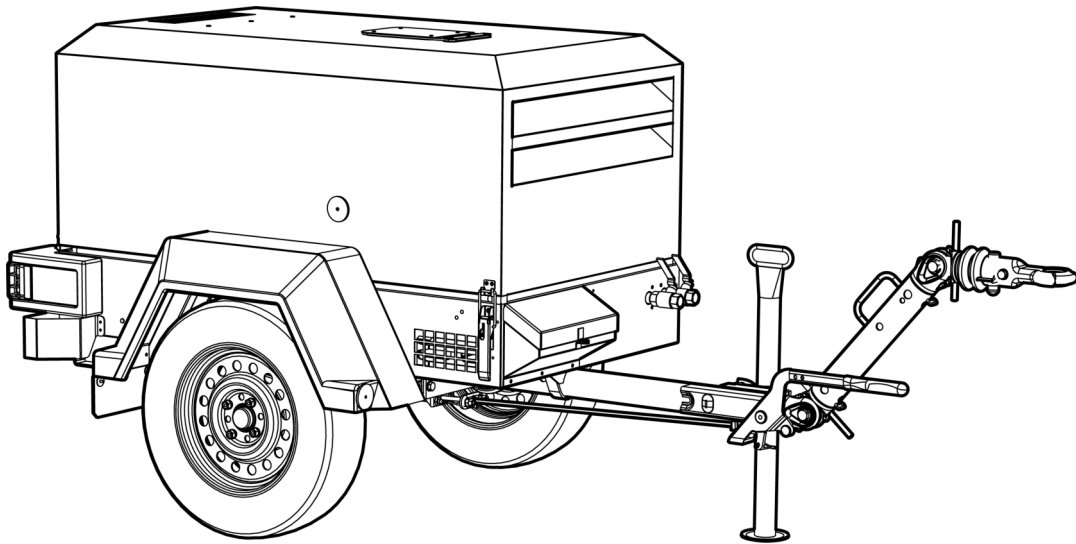




Bobcat®

REPAIR AND MAINTENANCE INFORMATION (RMI) Compressor

This manual is not intended for operation of the unit.
It is intended for RMI in accordance with Regulation (EU) 2018/858.
A separate operation and maintenance manual is supplied with each unit.



PA7.2 (L64)

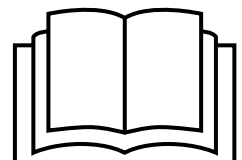


This manual contains important safety information and must be made available to personnel who operate and maintain this machine. If the required repair and maintenance information is not detailed in this manual then contact your local dealer.

This manual is applicable for trailers under the following Type Approval numbers:
e1*2007/46*0542*04

Serial No: 127001 ->

46892236_en_A_01/24



© 2024 Bobcat Company.
All Rights Reserved.



1 CONTENTS

2 FOREWORD

3 DECALS

7 SAFETY

10 GENERAL INFORMATION

12 MAINTENANCE

17 MACHINE SYSTEMS

19 PARTS ORDERING

22 RMI PARTS

ABBREVIATIONS & SYMBOLS

- ####** Contact the company for serial number
- >####** Up to Serial No.
- ####->** From Serial No.
- *** Not illustrated
- †** Option
- AR** As required
- HA** High ambient machine
- F.H.R.G.** Fixed height running gear
- V.H.R.G.** Variable height running gear
- bg** Bulgarian
- cs** Czech
- da** Danish
- de** German
- el** Greek
- en** English
- es** Spanish
- et** Estonian
- fi** Finnish
- fr** French
- hu** Hungarian
- it** Italian
- lt** Lithuanian
- lv** Latvian, Lettish
- mt** Maltese
- nl** Dutch
- no** Norwegian
- pl** Polish
- pt** Portuguese
- ro** Romanian
- ru** Russian
- sk** Slovak
- sl** Slovenian
- sv** Swedish
- zh** Chinese

2 FOREWORD

The contents of this manual are considered to be proprietary and confidential and should not be reproduced without the prior written permission of the company.

Nothing contained in this document is intended to extend any promise, warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with the standard terms and conditions of sale for such products, which are available upon request.

This manual contains instructions and technical data to cover all routine operation and scheduled maintenance tasks by operation and maintenance staff. Major overhauls are outside the scope of this manual and should be referred to an authorised service department.

The design specification of this machine has been certified as complying with EC directives. As a result:

- a) Any machine modifications are strictly prohibited, and will invalidate EC certification.
- b) A unique specification for USA/Canada is adopted and tailored to the territory.

All components, accessories, pipes and connectors added to the compressed air system should be:

- of good quality, procured from a reputable manufacturer and, wherever possible, be of a type approved by the company.
- clearly rated for a pressure at least equal to the machine maximum allowable working pressure.
- compatible with the compressor lubricant/coolant.
- accompanied with instructions for safe installation, operation and maintenance.

Details of approved equipment are available from the company service departments.

The use of repair parts / lubricants / fluids other than those included within the approved parts list may create hazardous conditions over which the company has no control. Therefore the company cannot be held responsible for equipment in which non-approved repair parts are installed.

The company reserves the right to make changes and improvements to products without notice and without incurring any obligation to make such changes or add such improvements to products sold previously.

The intended uses of this machine are outlined below and examples of unapproved usage are also given, however the company cannot anticipate every application or work situation that may arise.

IF IN DOUBT CONSULT SUPERVISION.

This machine has been designed and supplied for use only in the following specified conditions and applications:

- Compression of normal ambient air containing no known or detectable additional gases, vapours, or particles
- Operation within the ambient temperature range specified in the *GENERAL INFORMATION* section of this manual.

The use of the machine in any of the situation types listed in table 1:

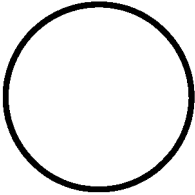
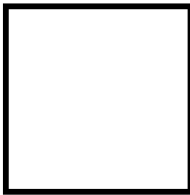


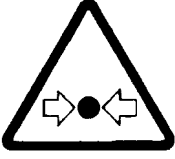




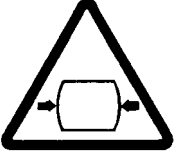




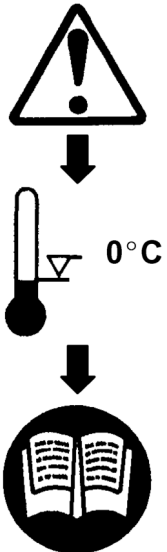
- a) **Is not approved,**
- b) **May impair the safety of users and other persons, and**
- c) **May prejudice any claims made.**


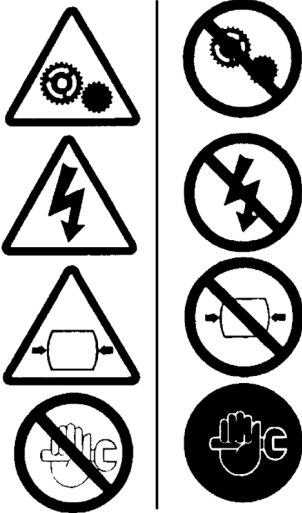














TABLE 1
Use of the machine to produce compressed air for: a) direct human consumption b) indirect human consumption, without suitable filtration and purity checks.
Use of the machine outside the ambient temperature range specified in the <i>GENERAL INFORMATION SECTION</i> of this manual.
This machine is not intended and must not be used in potentially explosive atmospheres, including situations where flammable gases or vapours may be present.
Use of the machine fitted with non approved components / lubricants / fluids.
Use of the machine with safety or control components missing or disabled.
Use of the machine for storage or transportation of materials inside or on the enclosure except when contained within the toolbox.

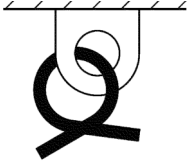

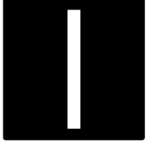
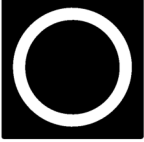

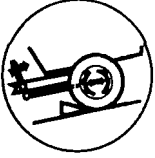




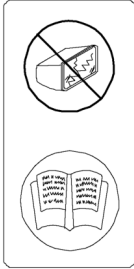




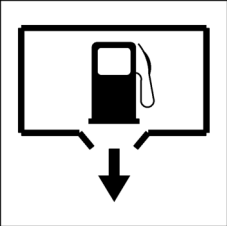
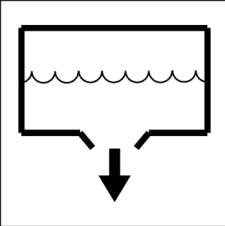
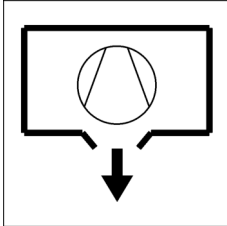
The company accepts no responsibility for errors in translation of this manual from the original English version.

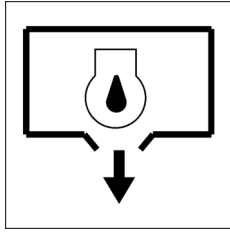
© COPYRIGHT 2024
BOBCAT COMPANY

GRAPHIC FORM AND MEANING OF ISO SYMBOLS

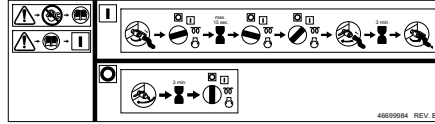
		
Prohibition / Mandatory	Information / Instructions	Warning
 WARNING: Electrical shock risk	 WARNING - Pressurised component or system.	 WARNING - Hot surface.
 WARNING - Pressure control.	 WARNING - Corrosion risk.	 WARNING - Air/gas flow or Air discharge.
 WARNING - Pressurised vessel.	 WARNING - Hot and harmful exhaust gas.	 WARNING - Flammable liquid.
 WARNING - Maintain correct tyre pressure. (Refer to the GENERAL INFORMATION section of this manual).	 WARNING - Before connecting the tow bar or commencing to tow consult the operation and maintenance manual.	 WARNING - For operating temperature below 0°C, consult the operation and maintenance manual.

 <p>WARNING - Maintenance work in progress.</p>	 <p>WARNING - Do not undertake any maintenance on this machine until the electrical supply is disconnected and the air pressure is totally relieved.</p>	 <p>WARNING - Consult the operation and maintenance manual before commencing any maintenance.</p>
 <p>Do not breathe the compressed air from this machine.</p>	 <p>Do not remove the Operating and Maintenance manual and manual holder from this machine.</p>	 <p>Do not stack.</p>
 <p>Do not operate the machine without the guard being fitted.</p>	 <p>Do not stand on any service valve or other parts of the pressure system.</p>	  <p>Do not operate with the doors or enclosure open.</p>
 <p>Do not use fork lift truck from this side.</p>	 <p>Do not exceed the trailer speed limit.</p>	 <p>No naked lights.</p>
 <p>Do not open the service valve before the air-hose is attached.</p>	 <p>Use fork lift truck from this side only.</p>	 <p>Emergency stop.</p>

 <p>Lashing point (Tie down).</p>	 <p>Lifting point.</p>	 <p>On (power).</p>
 <p>Off (power).</p>	 <p>Read the Operation and Maintenance manual before operation or maintenance of this machine is undertaken.</p>	 <p>When parking use prop stand, handbrake and wheel chocks.</p>
 <p>Compressor oil filling.</p>	 <p>Diesel fuel. No open flame.</p>	 <p>Parking brake.</p>
 <p>Rough Service Designation. Wet Location Operation.</p>	 <p>Replace any cracked protective shield.</p>	 <p>Coolant fill.</p>
 <p>Prohibition: Do not start</p>	 <p>Start and stop device.</p>	 <p>Mandatory action: Hearing protection must be worn.</p>
 <p>Diesel fuel drain.</p>	 <p>Engine coolant drain.</p>	 <p>Compressor oil drain.</p>



Engine oil drain.



Start Sequence.

WARNINGS

Warnings call attention to instructions which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions which must be followed precisely to avoid damaging the product, process or its surroundings.

NOTES

Notes are used for supplementary information.

General Information

Never operate unit without first observing all safety warnings and carefully reading the operation and maintenance manual shipped from the factory with this machine.

Ensure that the operator reads and *understands* the decals and consults the manuals before maintenance or operation.

Ensure that the Operation and Maintenance manual, and the manual holder, are not removed permanently from the machine.

Ensure that maintenance personnel are adequately trained, competent and have read the Maintenance Manuals.

Ensure that sufficient and safe ventilation is provided during operation of the machine, as the machine is powered by an internal combustion engine.

Make sure that all protective covers are in place and that the canopy/doors are closed during operation.

The specification of this machine is such that the machine is not suitable for use in flammable gas risk areas. If such an application is required then all local regulations, codes of practice and site rules must be observed. To ensure that the machine can operate in a safe and reliable manner, additional equipment such as gas detection, exhaust spark arrestors, and intake (*shut-off*) valves may be required, dependant on local regulations or the degree of risk involved.

A weekly visual check must be made on all fasteners/fixing screws securing mechanical parts. In particular, safety-related parts such as coupling hitch, drawbar components, road-wheels, and lifting bail should be checked for total security.

All components which are loose, damaged or unserviceable, must be rectified without delay.

Air discharged from this machine may contain carbon monoxide or other contaminants which will cause serious injury or death. Do not breathe this air.

This machine produces loud noise with the doors open or service valve vented. Extended exposure to loud noise can cause hearing loss. Always wear hearing protection when doors are open or service valve is vented.

Never inspect or service unit without first disconnecting battery cable(s) to prevent accidental starting.

Do not use petroleum products (solvents or fuels) under high pressure as this can penetrate the skin and result in serious illness. wear eye protection while cleaning unit with compressed air to prevent debris from injuring eye(s).

Rotating fan blade can cause serious injury. Do not operate without guard in place.

Use care to avoid contacting hot surfaces (engine exhaust manifold and piping, air receiver and air discharge piping, etc.).

WARNING: Under no circumstances should volatile liquids such as Ether be used for starting this machine.

Never operate unit with guards, covers or screens removed. Keep hands, hair, clothing, tools, blow gun tips, etc. well away from moving parts.

Compressed air

Compressed air can be dangerous if incorrectly handled. Before doing any work on the unit, ensure that all pressure is vented from the system and that the machine cannot be started accidentally.

Ensure that the machine is operating at the rated pressure and that the rated pressure is known to all relevant personnel.

All air pressure equipment installed in or connected to the machine must have safe working pressure ratings of at least the machine rated pressure.

If more than one compressor is connected to one common downstream plant, effective check valves and isolation valves must be fitted and controlled by work procedures, so that one machine cannot accidentally be pressurised / over pressurised by another.

Compressed air must not be used for a direct feed to any form of breathing apparatus or mask.

High Pressure Air can cause serious injury or death. Relieve pressure before removing filler plugs/caps, fittings or covers.

Air pressure can remain trapped in air supply line which can result in serious injury or death. Always carefully vent air supply line at tool or vent valve before performing any service.

The discharged air contains a very small percentage of compressor lubricating oil and care should be taken to ensure that downstream equipment is compatible.

If the discharged air is to be ultimately released into a confined space, adequate ventilation must be provided.

When using compressed air always use appropriate personal protective equipment.

All pressure containing parts, especially flexible hoses and their couplings, must be regularly inspected, be free from defects and be replaced according to the Manual instructions.

Avoid bodily contact with compressed air.

The safety valve located in the separator tank must be checked periodically for correct operation.

Whenever the machine is stopped, air will flow back into the compressor system from devices or systems downstream of the machine unless the service valve is closed. Install a check valve at the machine service valve to prevent reverse flow in the event of an unexpected shutdown when the service valve is open.

Disconnected air hoses whip and can cause serious injury or death. Always attach a safety flow restrictor to each hose at the source of supply or branch line in accordance with OSHA Regulation 29CFR Section 1926.302(b).

Never allow the unit to sit stopped with pressure in the receiver-separator system.

8 SAFETY

Materials

The following substances *may* be produced during the operation of this machine:

- brake lining dust
- engine exhaust fumes

AVOID INHALATION

Ensure that adequate ventilation of the cooling system and exhaust gases is maintained at all times.

The following substances are used in the manufacture of this machine and *may* be hazardous to health if used incorrectly:

- compressor lubricant
- engine lubricant
- preservative grease
- rust preventative
- diesel fuel
- battery electrolyte

AVOID INGESTION, SKIN CONTACT AND INHALATION OF FUMES.

Should compressor lubricant come into contact with the eyes, then irrigate with water for at least 5 minutes.

Should compressor lubricant come into contact with the skin, then wash off immediately.

Consult a physician if large amounts of compressor lubricant are ingested.

Consult a physician if compressor lubricant is inhaled.

Never give fluids or induce vomiting if the patient is unconscious or having convulsions.

Safety data sheets for compressor and engine lubricants should be obtained from the lubricant supplier.

Never operate the engine of this machine inside a building without adequate ventilation. Avoid breathing exhaust fumes when working on or near the machine.

This machine may include such materials as oil, diesel fuel, antifreeze, brake fluid, oil/air filters and batteries which may require proper disposal when performing maintenance and service tasks. Contact local authorities for proper disposal of these materials.

Battery

A battery contains sulphuric acid and can give off gases which are corrosive and potentially explosive. Avoid contact with skin, eyes and clothing. In case of contact, flush area immediately with water.

DO NOT ATTEMPT TO SLAVE START A FROZEN BATTERY SINCE THIS MAY CAUSE IT TO EXPLODE.

Exercise extreme caution when using booster battery. To jump battery, connect ends of one booster cable to the positive (+) terminal of each battery. Connect one end of other cable to the negative (-) terminal of the booster battery and other end to a ground connection away from dead battery (to avoid a spark occurring near any explosive gases that may be present). After starting unit, always disconnect cables in reverse order.

Radiator

Hot engine coolant and steam can cause injury. Ensure that the radiator filler cap is removed with due care and attention.

Do not remove the pressure cap from a HOT radiator. Allow radiator to cool down before removing pressure cap.

Transport

When loading or transporting machines ensure that the specified lifting and tie down points are used.

When loading or transporting machines ensure that the towing vehicle, its size, weight, towing hitch and electrical supply are all suitable to provide safe and stable towing at speeds either, up to the legal maximum for the country in which it is being towed or, as specified for the machine model if lower than the legal maximum.

Ensure that the maximum trailer weight does not exceed the maximum gross weight of the machine (by limiting the equipment load), limited by the capacity of the running gear.

Note:

Gross mass (on data plate) is for the basic machine and fuel only, excluding any fitted options, tools, equipment and foreign materials.

Before towing the machine, ensure that:-

- the tyres and towing hitch are in a serviceable condition.
- the canopy is secure.
- all ancillary equipment is stored in a safe and secure manner.
- the brakes and lights are functioning correctly and meet necessary road traffic requirements.
- break-away cables/safety chains are connected to the towing vehicle.

The machine must be towed in a level attitude (the maximum permissible drawbar angle is between 0° and +5° from horizontal) in order to maintain correct handling, braking and lighting functions. This can be achieved by correct selection and adjustment of the vehicle towing hitch and, on variable height running gear, adjustment of the drawbar.

To ensure full braking efficiency, the front (towing eye) section must always be set level.

When adjusting variable height running gear:-

- Ensure front (towing eye) section is set level
- When raising towing eye, set rear joint first, then front joint.
- When lowering towing eye, set front joint first, then rear joint.

After setting, fully tighten each joint by hand and then tighten further to the next pin. Refit the pin.

When parking always use the handbrake and, if necessary, suitable wheel chocks.

When using the handbrake lever ensure there is enough space for it to operate safely.

Make sure wheels, tyres and tow bar connectors are in safe operating condition and tow bar is properly connected before towing.

Safety chains / connections and their adjustment

The legal requirements for the joint operation of the breakaway cable and the safety chains can be different in different countries. Always check that you meet the relevant legal requirements of the country in which the machine is used. Consequently we offer the following advice / instructions.

Where brakes only are fitted:

- Ensure that the breakaway cable is securely coupled to the handbrake lever and also to a substantial point on the towing vehicle.
- Ensure that the effective cable length is as short as possible, whilst still allowing enough slackness for the trailer to articulate without the handbrake being applied.

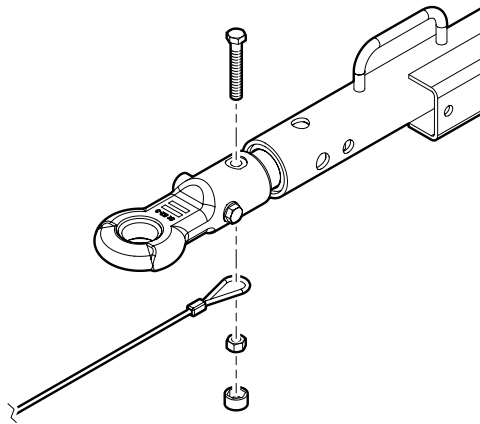
Where brakes and safety chains are fitted:

- Loop the chains onto the towing vehicle using the towing vehicle hitch as an anchorage point, or any other point of similar strength.
- Ensure that the effective chain length is as short as possible whilst still allowing normal articulation of the trailer and effective operation of the breakaway cable.

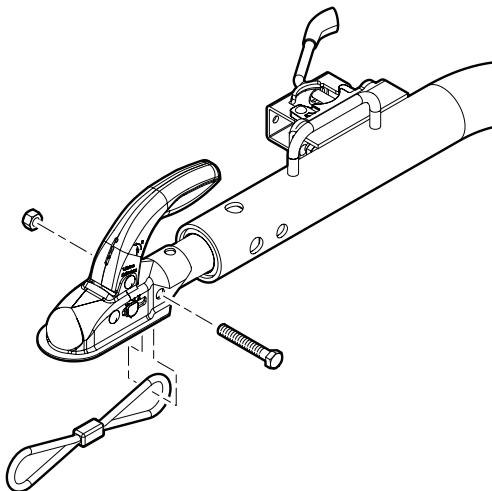
Where breakaway cable only is fitted (un-braked trailer) :

- Loop the end of the cable around the towing vehicle hitch and secure with the spring clip, or any other connection point on the towing vehicle intended for these purposes.
- When adjusting the breakaway cable there should be sufficient free length in the cable to allow normal articulation, whilst also being short enough to prevent the tow-bar from touching the ground in the event of an accidental separation of the towing vehicle from the trailer.

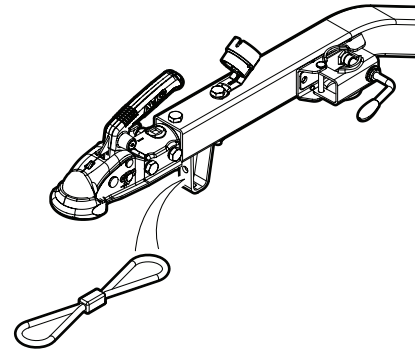
Breakaway Cable Location - Units with Towing Eye



Breakaway Cable Location - Units with Ball Hitch



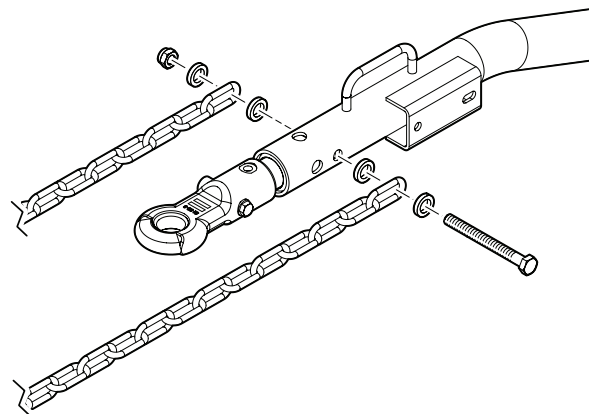
Breakaway Cable Location - Units with Supporting Foot



Where safety chains only are fitted:

- Loop the chains onto the towing vehicle using the towing vehicle hitch as an anchorage point, or any other point of similar strength.
- When adjusting the safety chains there should be sufficient free length in the chains to allow normal articulation, whilst also being short enough to prevent the tow-bar from touching the ground in the event of an accidental separation of the towing vehicle from the trailer.

Safety Chain Location

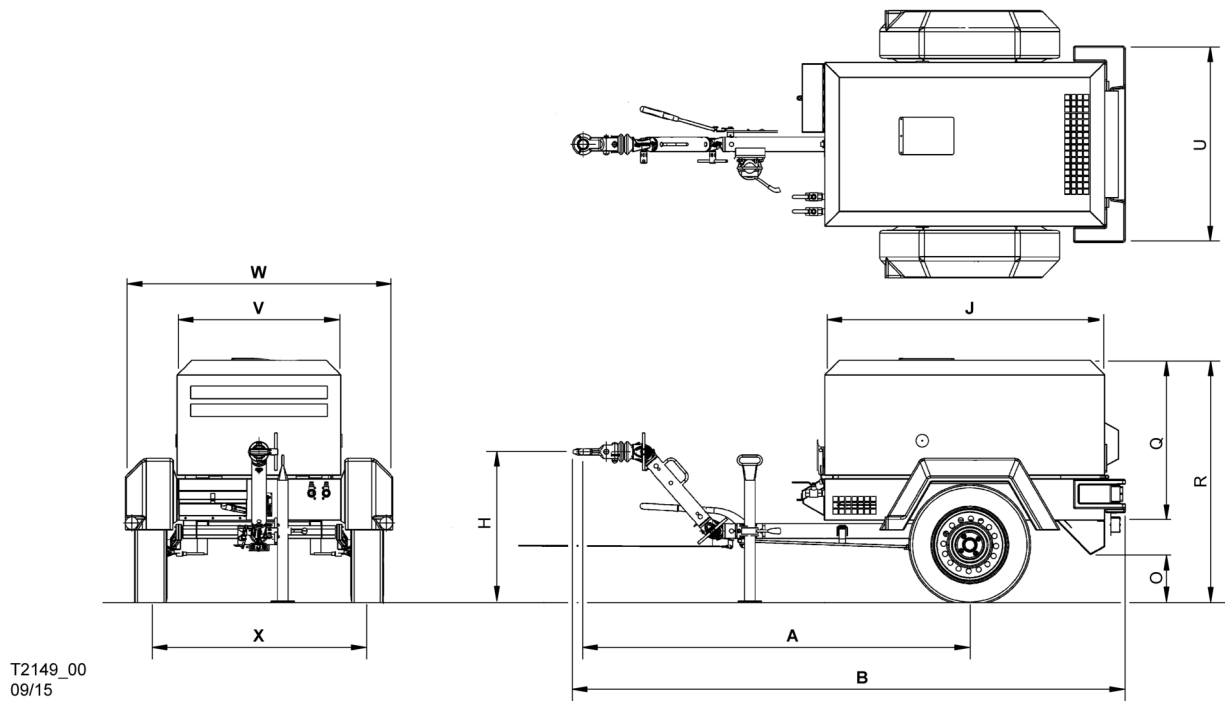


Where breakaway cable or safety chains are not fitted:

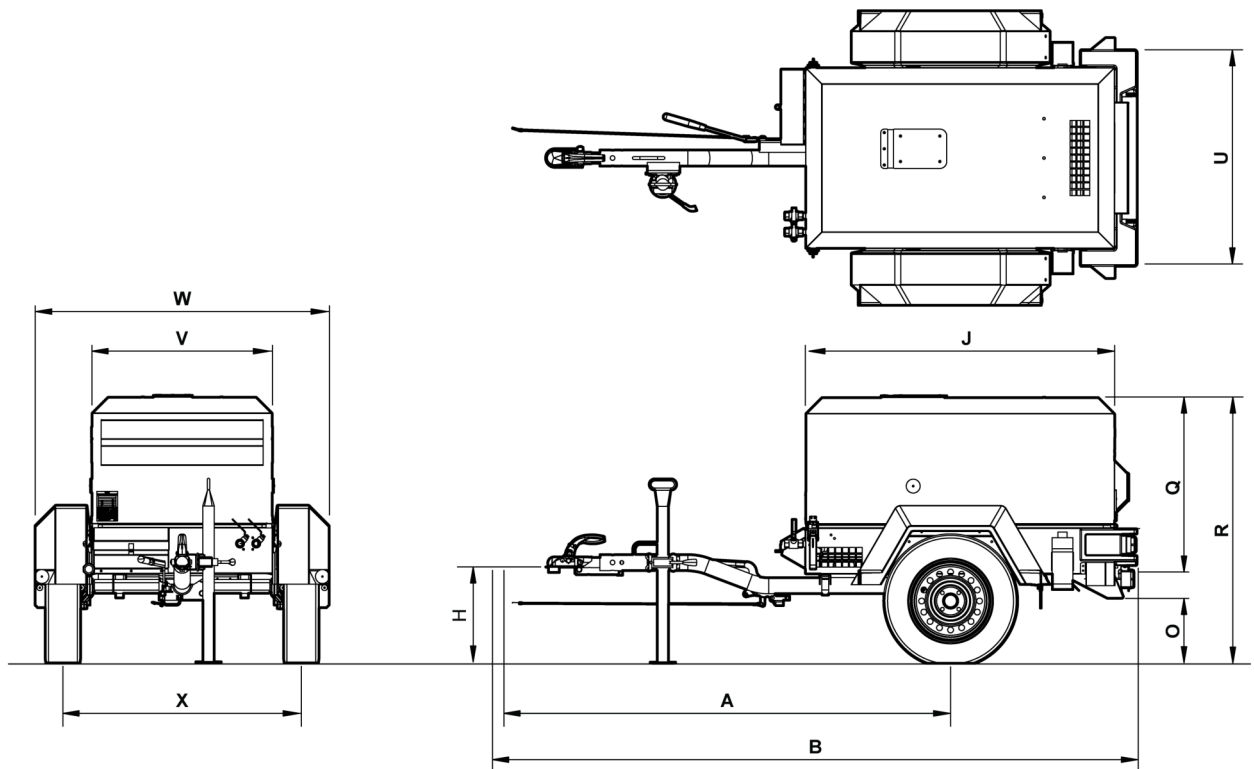
- In the case the breakaway cable or safety chains are not assembled, lost or misplaced, always check the legal requirements of the country in which the machine is used. If required, then make sure that suitable breakaway cables or safety chains that meets the legal requirement are connected and used. In some countries the use of this device is mandatory for un-braked trailers.
- Connect this device according to the above procedures.

10 GENERAL INFORMATION

VARIABLE HEIGHT RUNNING GEAR



FIXED HEIGHT RUNNING GEAR



	A	B	H	J	O	P	Q	R	S	T	U	V	W	X
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
PA7.2 Fixed Height Running Gear	1710	2451	441	1335	205	-	763	1154	-	-	935	780	1272	1030
PA7.2 Variable Height Running Gear	1840 MIN 2026 MAX	2581 MIN 2767 MAX	372 MIN 719 MAX	1335	205	-	763	1154	-	-	935	780	1272	1030

WHEELS AND TYRES (KNOTT)

Number of wheels. 2 x 4 1/2 J x 13 H2 ET30
 Tyre size. 155 R13 (C)
 Tyre pressure. 2,4 bar (35 PSI)

Further information may be obtained by request through the customer services department.

<u>MAINTENANCE SCHEDULE</u>							
	Initial.		Daily	Monthly / Hours			
	km (miles)	Hours		1/-	3/250	6/500	12/1,000
	850 (500)	50					
*Wheels (Bearings, Seals, etc.)						C	
Lights (running, brake, & turn)			CBT				
Pintle Eye Bolts			CBT				
*Brakes	C			C			
*Brake linkage	C						

*Disregard if not appropriate for this particular machine.

(1) or 3000 miles/5000km whichever is the sooner

(2) or as defined by local or national legislation

C = Check (adjust, clean or replace as necessary)

CBT = Check before towing.

CR = Check and report

D = Drain

G = Grease

R = Replace

T = Test

WI = or when indicated if earlier.

Refer to specific sections of the operator's manual for more information.

ROUTINE MAINTENANCE

This section refers to the various components which require periodic maintenance and replacement.

The *MAINTENANCE SCHEDULE* indicates the various components' descriptions and the intervals when maintenance has to take place. Oil capacities, etc., can be found in the *GENERAL INFORMATION* section of this manual.

For any specification or specific requirement on service or preventative maintenance for the engine, refer to the *Engine Manufacturer's Manual*.

Compressed air can be dangerous if incorrectly handled. Before doing any work on the unit, ensure that all pressure is vented from the system and that the machine cannot be started accidentally.

If the automatic blowdown fails to operate, then pressure must be gradually relieved by operating the manual blowdown valve. Suitable personal protective equipment should be worn.

Ensure that maintenance personnel are adequately trained, competent and have read the Maintenance Manuals.

Prior to attempting any maintenance work, ensure that:-

- all air pressure is fully discharged and isolated from the system. If the automatic blowdown valve is used for this purpose, then allow enough time for it to complete the operation.
- the discharge pipe / manifold area is de-pressurised by opening the discharge valve, whilst keeping clear of any airflow from it.
- the machine cannot be started accidentally or otherwise, by posting warning signs and/or fitting appropriate anti-start devices.
- all residual electrical power sources (mains and battery) are isolated.

Prior to opening or removing panels or covers to work inside a machine, ensure that:-

- anyone entering the machine is aware of the reduced level of protection and the additional hazards, including hot surfaces and intermittently moving parts.
- the machine cannot be started accidentally or otherwise, by posting warning signs and/or fitting appropriate anti-start devices.

Prior to attempting any maintenance work on a running machine, ensure that:-

- the work carried out is limited to only those tasks which require the machine to run.
- the work carried out with safety protection devices disabled or removed is limited to only those tasks which require the machine to be running with safety protection devices disabled or removed.
- all hazards present are known (e.g. pressurised components, electrically live components, removed panels, covers and guards, extreme temperatures, inflow and outflow of air, intermittently moving parts, safety valve discharge etc.).
- appropriate personal protective equipment is worn.
- loose clothing, jewellery, long hair etc. is made safe.
- warning signs indicating that Maintenance Work is in Progress are posted in a position that can be clearly seen.

Upon completion of maintenance tasks and prior to returning the machine into service, ensure that:-

- the machine is suitably tested.
- all guards and safety protection devices are refitted.
- all panels are replaced, canopy and doors closed.

- hazardous materials are effectively contained and disposed of.

PROTECTIVE SHUTDOWN SYSTEM

Comprises:

- Low engine oil pressure switch
- High discharge air temperature switch
- High engine coolant temperature switch

Low engine oil pressure switch.

At three month intervals, test the engine oil pressure switch circuit as follows:

- Start the machine.
- Remove a wire from one terminal of the switch. The machine should shutdown.

At twelve month intervals, test the engine oil pressure switch as follows:-

- Remove the switch from the machine.
- Connect it to an independent low pressure supply (either air or oil).
- The switch should operate at 0,83 bar (12 psi).
- Refit the switch.

Temperature switch(es).

At three month intervals, test the temperature switch circuit(s) as follows:

- Start the machine.

NOTE: Do not press the load button.

- Disconnect each switch in turn. The machine should shutdown.
- Re-connect the switch.

High discharge air temperature switch(es).

At twelve month intervals, test the air discharge temperature switch(es) by removing it from the machine and immersing in a bath of heated oil. The switch should operate at 120°C (248°F.) Refit the switch.

High coolant temperature switch.

At twelve month intervals, test the coolant temperature switch by removing it from the machine and immersing in a bath of heated oil. The switch should operate at 115°C (239°F). Refit the switch.

CAUTION: Never remove or replace switches when the machine is running.

RUNNING GEAR/WHEELS

Check the wheel nut torque 20 miles (30 kilometres) after refitting the wheels. Refer to the *TORQUE SETTING TABLE* later in this section.

Lifting jacks should only be used under the axle.

The bolts securing the running gear to the chassis should be checked periodically for tightness (refer to the *MAINTENANCE SCHEDULE* for frequency) and re-tightened where necessary. Refer to the *TORQUE SETTING TABLE* later in this section.

14 MAINTENANCE

BRAKES

Check and adjust the brake linkage at 500 miles (850Km) then every 3000 miles (5000Km) or 3 months (whichever is the sooner) to compensate for any stretch of the adjustable cables. Check and adjust the wheel brakes to compensate for wear.

CAUTION: CAUTION: When using the handbrake lever ensure there is enough space for it to operate safely.

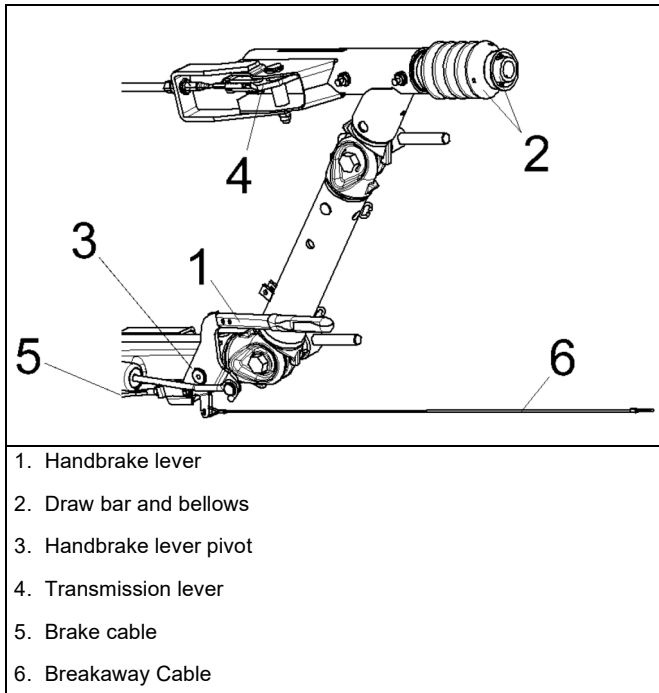
Adjusting the overrun braking system (KNOTT Running Gear) - when applicable

1. Preparation

Jack up the machine

Disengage the handbrake lever [1].

Fully extend the draw bar [2] on the overrun braking system.



- 1. Handbrake lever
- 2. Draw bar and bellows
- 3. Handbrake lever pivot
- 4. Transmission lever
- 5. Brake cable
- 6. Breakaway Cable

Requirements:

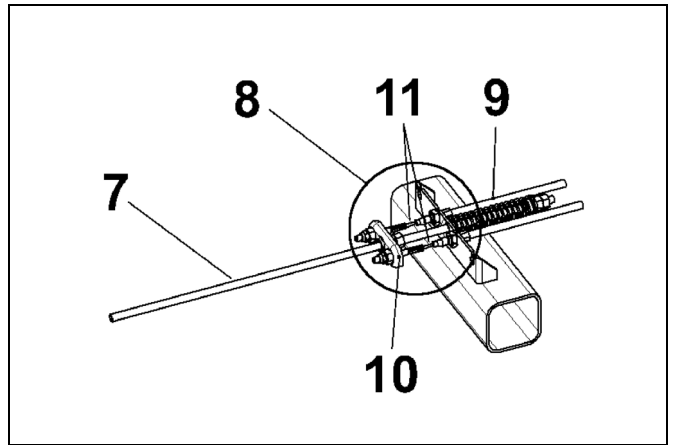
During the adjustment procedure always start with the wheel brakes.

Always rotate the wheel in the direction of forward movement.

Ensure that an M10 safety screw is fitted to the handbrake pivot.

The brake actuators must not be pre-tensioned - if necessary loosen the brake linkage [7] on the brake equalisation assembly [8].

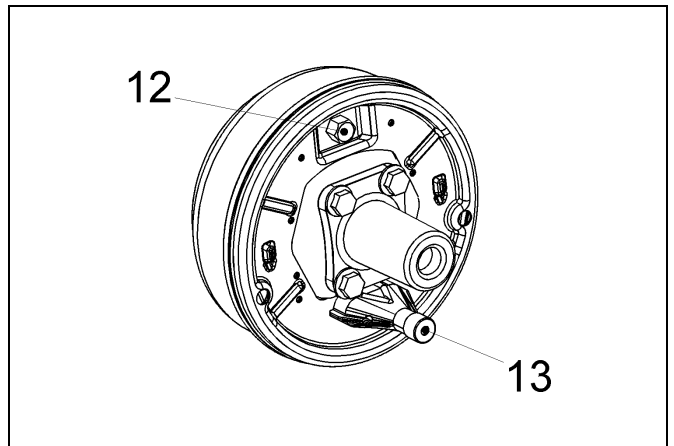
Check that brake actuators and cables [11] operate smoothly.



- 7. Brake linkage
- 8. Equalisation assembly
- 9. Compression spring
- 10. Equaliser plate
- 11. Cable

CAUTION: The compression spring [9] must only be lightly pre-tensioned and when operating must never touch the axle tube. Never adjust the brakes at the brake linkage [7].

2. Brake Shoe Adjustment



- 12. Adjusting screw
- 13. Cable entry

Width across flats of adjusting screw [12]	
Brake size	Key width
160x35 / 200x50	SW 17
250x40	SW 19
300x60	SW 22

Tighten adjusting screw [12] clockwise until the wheel locks.

Loosen adjusting screw [12] anti-clockwise (approx. ½ turn) until the wheel can be moved freely.

Slight dragging noises that do not impede the free movement of the wheel are permissible.

This adjustment procedure must be carried out as described on both wheel brakes.

When the brake has been adjusted accurately the actuating distance is approximately 5-8mm on the cable [11]

3. Compensator assembly adjustment

Variable Height model

Fit an M10 safety screw to the handbrake pivot.

Disconnect the handbrake cable [5] at one end.

Pre-adjust brake linkage [7] lengthways (a little play is permissible) and re-insert the cable [5], adjusting it to give a small amount of play.

Remove the M10 safety screw from the handbrake pivot.

All Models

Engage the handbrake lever [1] and check that the position of the equaliser plate [10] is at right angles to the pulling direction. If necessary correct the position of the equaliser plate [10] on the cables [11].

The compression spring [9] must only be slightly pre-tensioned and when engaged must not touch the axle tube.

4. Brake linkage adjustment

Adjust the brake linkage [7] lengthways without pre-tension.

Readjustment

Engage the handbrake lever [1] forcefully a number of times to set the brake.

Check the alignment of the equalisation assembly [8], this should be at right angles to the pulling direction

Check the play in the brake linkage [7]

If necessary adjust the brake linkage [7] again without play and without pre-tensioning

There must still be a little play in cable [5] (Variable Height Only)

Check the position of the hand brake lever [1]. The start of resistance should be approximately 10-15mm above the horizontal position.

Check that the wheels move freely when the handbrake is disengaged.

Final test

Check the fastenings on the transmission system (cables, brake equalisation system and linkage).

Check the handbrake cable [5] for a small amount of play and adjust if necessary (Variable height only)

Check the compression spring [9] for pre-tensioning.

Test run

If necessary carry out 2-3 test brake actions.

Test brake action

Check the play in brake linkage [7] and if necessary adjust the length of brake linkage [7] until there is no play.

Apply the handbrake while rolling the machine forward, travel of the handbrake lever up to 2/3 of maximum is allowed.

Re-adjusting the overrun braking system (KNOTT Running Gear) - when applicable

Re-adjustment of the wheel brakes will compensate for brake lining wear. Follow the procedure described in 2: Brake Shoe Adjustment.

Check the play in the brake linkage [7] and re-adjust if necessary.

Important

Check the brake actuators and cables [11]. The brake actuators must not be pre-tensioned.

Excessive operation of the handbrake lever, which may have been caused by worn brake linings, must not be corrected by re-adjusting (shortening) the brake linkage [7]

Re-adjustment

The handbrake lever [1] should be engaged forcefully several times to set the braking system.

Check the setting of the brake equalisation assembly [8], which should be at right angles to the pulling direction.

Check the play in the brake linkage [7] again, ensuring that there is no play in the brake linkage and that it is adjusted without pre-tension.

Check the position of the hand brake lever [1], cable [5] (with little play) and the compression spring [9] (only slight pre-tension). The start of resistance of the handbrake lever should be approximately 10-15mm above the horizontal position.

Final test

Check the fastenings on the transmission system (cables, brake equalisation system and linkage).

Apply the handbrake while rolling the machine forward, travel of the handbrake lever up to 2/3 of maximum is allowed.

Check the handbrake cable [5] for a small amount of play and adjust if necessary (Variable height only).

Check the compression spring [9] for slight pre-tensioning.

CAUTION: Check the wheel nut torque 20 miles (30 kilometres) after refitting the wheels (Refer to the TORQUE SETTING TABLE later in this section).

RUNNING GEAR WHEEL BEARINGS

Wheel bearings should be packed with grease every 6 months. The type of grease used should conform to specification MIL-G-10924.

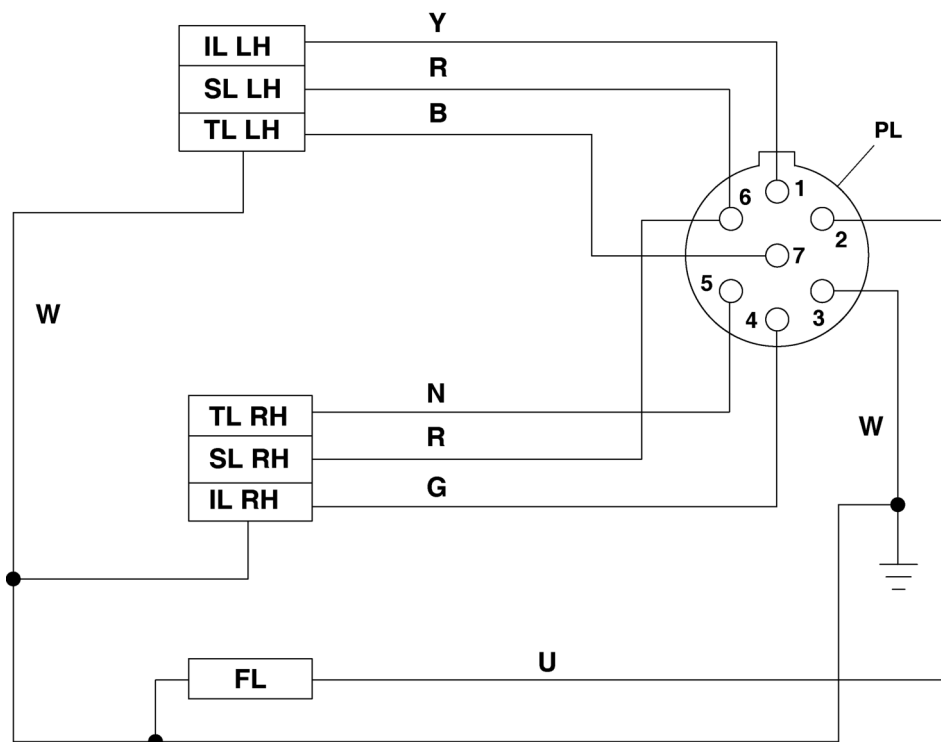
16 MAINTENANCE

TORQUE VALUES

	ft lbf	Nm
Engine mounts to engine	29-35	39-47
Airend to pivot plate	29-35	39-47
Air filter to bracket	16-20	22-27
Autella clamp to exhaust	9-11	12-15
Baffle to frame	9-11	12-15
Discharge manifold to frame	29-35	39-47
Pulley to flywheel	57-69	77-93
Drop Leg	53-63	72-85
Engine/airend to chassis	54-58	73-78
Band clamp on discharge hose	58-67	78-91
Exhaust flange to manifold	17-21	23-28
Fan guard	9-11	12-15
Fan to hub	12-15	16-20

	ft lbf	Nm
Lifting bail to frame	29-35	39-47
Band clamp on oil pipes	71-88	96-119
Radiator/Cooler to baffle	9-11	12-15
Running gear front to chassis	63-69	82-93
Running gear rear to chassis	63-69	82-93
Running gear drawbar to axle	29-35	39-47
Main pivot bolt	106-133	143-180
Pivot locking bolt	54-58	73-78
Separator tank cover	40-50	54-68
Separator tank to frame	18-22	24-30
Band clamp on hose	106-133	143-180
Wheel nuts	50-80	67-109

SCHEMATIC DIAGRAM FOR EUROPEAN CE LIGHTING SYSTEM - 7 PINS



T2404
Revision 00
09/08

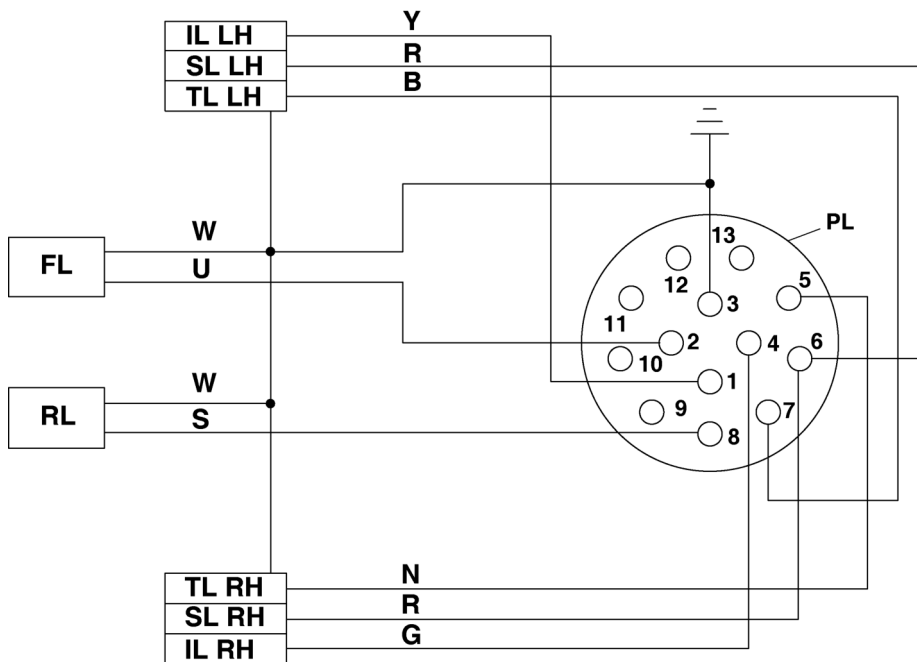
KEY

IL LH Indicator light - left hand
IL RH Indicator light - right hand
FL Fog light
SL LH Stop light - left hand
SL RH Stop light - right hand
TL LH Tail light - left hand
TL RH Tail light - right hand
PL Plug

B Black
G Green
K Pink
N Brown
O Orange
P Purple
R Red
S Grey
U Blue
W White
Y Yellow

18 ELECTRICAL SYSTEM

SCHEMATIC DIAGRAM FOR EUROPEAN CE LIGHTING SYSTEM - 13 PINS REVERSE LIGHT, STEEL CANOPY OPTION



T2405
Revision 00
09/08

KEY

IL LH	Indicator light - left hand	B	Black
IL RH	Indicator light - right hand	G	Green
FL	Fog light	K	Pink
RL	Reverse light	N	Brown
SL LH	Stop light - left hand	O	Orange
SL RH	Stop light - right hand	P	Purple
TL LH	Tail light - left hand	R	Red
TL RH	Tail light - right hand	S	Grey
PL	Plug	U	Blue
		W	White
		Y	Yellow

GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. All of the compressor parts, listed in the parts breakdown, are manufactured with the same precision as the original equipment. For the greatest protection always insist on genuine Bobcat parts for your compressor.

NOTICE

Bobcat can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Bobcat service facilities and parts are available worldwide.

There are Authorised Distributors or Company Sales offices in principal cities of many countries.

Special order parts may not be included in the manual. Contact Bobcat Parts Department with the unit serial number for assistance with these special parts.

DESCRIPTION

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

A series of illustrations show each part distinctly and in location relative to the other parts in the assembly. The part number, the description of the part and the quantity of parts required are shown on each illustration or on adjacent page. The quantities specified are the number of parts used per one assembly and are not necessarily the total number of parts used in the machine. Where no quantity is specified the quantity is assumed to be one.

Each description of a part is based upon the "noun first" method, i.e., the identifying noun or item name is always the first part of the description. The noun name is generally followed by a single descriptive modifier. The descriptive modifier may be followed by words or abbreviations such as upper, lower, inner, outer, front, rear, RH, LH, etc. when they are essential.

In referring to the rear, the front or to either side of the unit, always consider the **drawbar end** of the unit as the **front**. Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

FASTENERS

Both SAE/inch, ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners. In order to clarify the proper usage and for exact replacement parts, all standard fasteners have been identified by part number, size and description. This will enable a customer to obtain fasteners locally rather than ordering from the factory. These parts are identified in tables that will be found at the rear of the parts illustrations. Any fastener that has not been identified by both part number and size is a specially engineered part that must be ordered by part number to obtain the exact replacement part.

MARKINGS AND DECALS**NOTICE**

Do not paint over safety warnings or instructional decals. If safety warning decals become illegible, immediately order replacements from the factory.

Part numbers for original individual decals and their mounting locations are shown within Parts List Section. These are available as long as a particular model is in production.

HOW TO USE PARTS LIST

- a. Turn to Parts List.
- b. Locate the area or system of the compressor in which the desired part is used and find illustration page number.
- c. Locate the desired part on the illustration by visual identification and make note of part number and description.

HOW TO ORDER

The satisfactory ordering of parts by a purchaser is greatly dependent upon the proper use of all available information. By supplying your nearest sales office, autonomous company or authorised distributor, with complete information, you will enable them to fill your order correctly and to avoid any unnecessary delays.

In order that all avoidable errors may be eliminated, the following instructions are offered as a guide to the purchaser when ordering replacement parts:

- a. Always specify the model number of the unit as shown on the general data decal attached to the unit.
- b. Always specify the serial number of the unit. **THIS IS IMPORTANT.** The serial number of the unit will be found stamped on a plate attached to the unit. (The serial number on the unit is also permanently stamped in the metal of the frame side rail.)
- c. Always specify the number of the parts list publication.
- d. Always specify the quantity of parts required.
- e. Always specify the part number, as well as the description of the part, or parts, exactly as it is given on the parts list illustration.

In the event parts are being returned to your nearest sales office, autonomous company or authorised distributor, for inspection or repair, it is important to include the serial number of the unit from which the parts were removed.

TERMS AND CONDITIONS ON PARTS ORDERS

Acceptance: Acceptance of an offer is expressly limited to the exact terms contained herein. If purchaser's order form is used for acceptance of an offer, it is expressly understood and agreed that the terms and conditions of such order form shall not apply unless expressly agreed to by Bobcat Company ("Company") in writing. No additional or contrary terms will be binding upon the Company unless expressly agreed to in writing.

Taxes: Any tax or other governmental charge now or hereafter levied upon the production, sale, use or shipment of material and equipment ordered or sold is not included in the Company's price and will be charged to and paid for by the Purchaser.

Shipping dates shall be extended for delays due to acts of God, acts of Purchaser, acts of Government, fires, floods, strikes, riot, war, embargo, transportation shortages, delay or default on the part of the Company's vendors, or any other cause beyond the Company's reasonable control.

Should Purchaser request special shipping instruction, such as exclusive use of shipping facilities, including air freight when common carrier has been quoted and before change order to purchase order can be received by the Company, the additional charges will be honoured by the Purchaser.

Warranty: The Company warrants that parts manufactured by it will be as specified and will be free from defects in materials and workmanship. The Company's liability under this warranty shall be limited to the repair or replacement of any part which was defective at the time of shipment provided Purchaser notifies the Company of any such defect promptly upon discovery, but in no event later than three (3) months from the date of shipment of such part by the Company. The only exception to the previous statement is the extended warranty as it applies to the special airend exchange program.

Repairs and replacements shall be made by the Company F.O.B. point of shipment. The Company shall not be responsible for costs of transportation, removal or installation.

Warranties applicable to material and equipment supplied by the Company but wholly manufactured by others shall be limited to the warranties extended to the Company by the manufacturer which are able to be conveyed to the Purchaser.

Delivery: Shipping dates are approximate. The Company will use best efforts to ship by the dates specified; however, the Company shall not be liable for any delay or failure in the estimated delivery or shipment of material and equipment or for any damages suffered by reason thereof.

The company makes no other warranty or representation of any kind whatsoever, expressed or implied, except that of title, and all implied warranties, including any warranty of merchantability and fitness for a particular purpose, are hereby disclaimed.

Limitation of Liability:

The remedies of the Purchaser set forth herein are exclusive, and the total liability of the Company with respect to this order whether based on contract, warranty, negligence, indemnity, strict liability or otherwise, shall not exceed the purchase price of the part upon which such liability is based.

The Company shall in no event be liable to the Purchaser, any successors in interest or any beneficiary of this order for any consequential, incidental, indirect, special or punitive damages arising out of this order or any breach thereof, or any defect in, or failure of, or malfunction of the parts hereunder, whether based upon loss of use, lost profits or revenue, interest, lost goodwill, work stoppage, impairment of other goods, loss by reason of shutdown or non-operation, increased expenses of operation or claims of customers of Purchaser for service interruption whether or not such loss or damage is based on contract, warranty, negligence, indemnity, strict liability or otherwise.

AIREND EXCHANGE PROGRAM

Bobcat offers an airend exchange program to benefit portable compressor users.

Your nearest sales office, autonomous company or authorised distributor must first contact the Parts Service Department at the factory at which your portable air compressor was manufactured for further instructions.

For parts, service or information regarding your local distributor (Europe, Middle East, Africa) please contact:

Facility:

Doosan Bobcat EMEA s.r.o. (DBEM),

U Kodetky 1810, 263 12 Dobris,

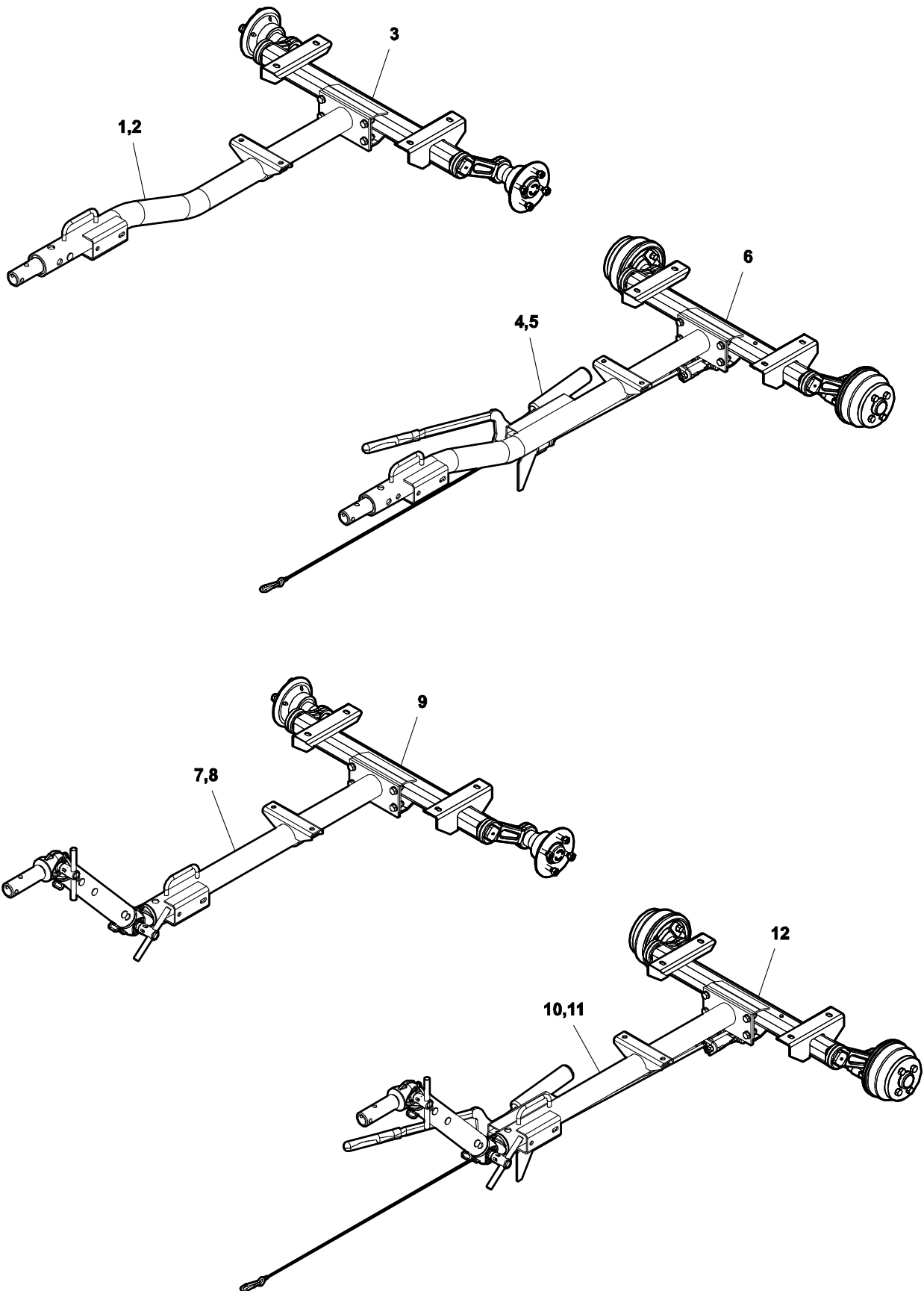
Czech Republic

Website:

<https://www.bobcat.com/eu/>

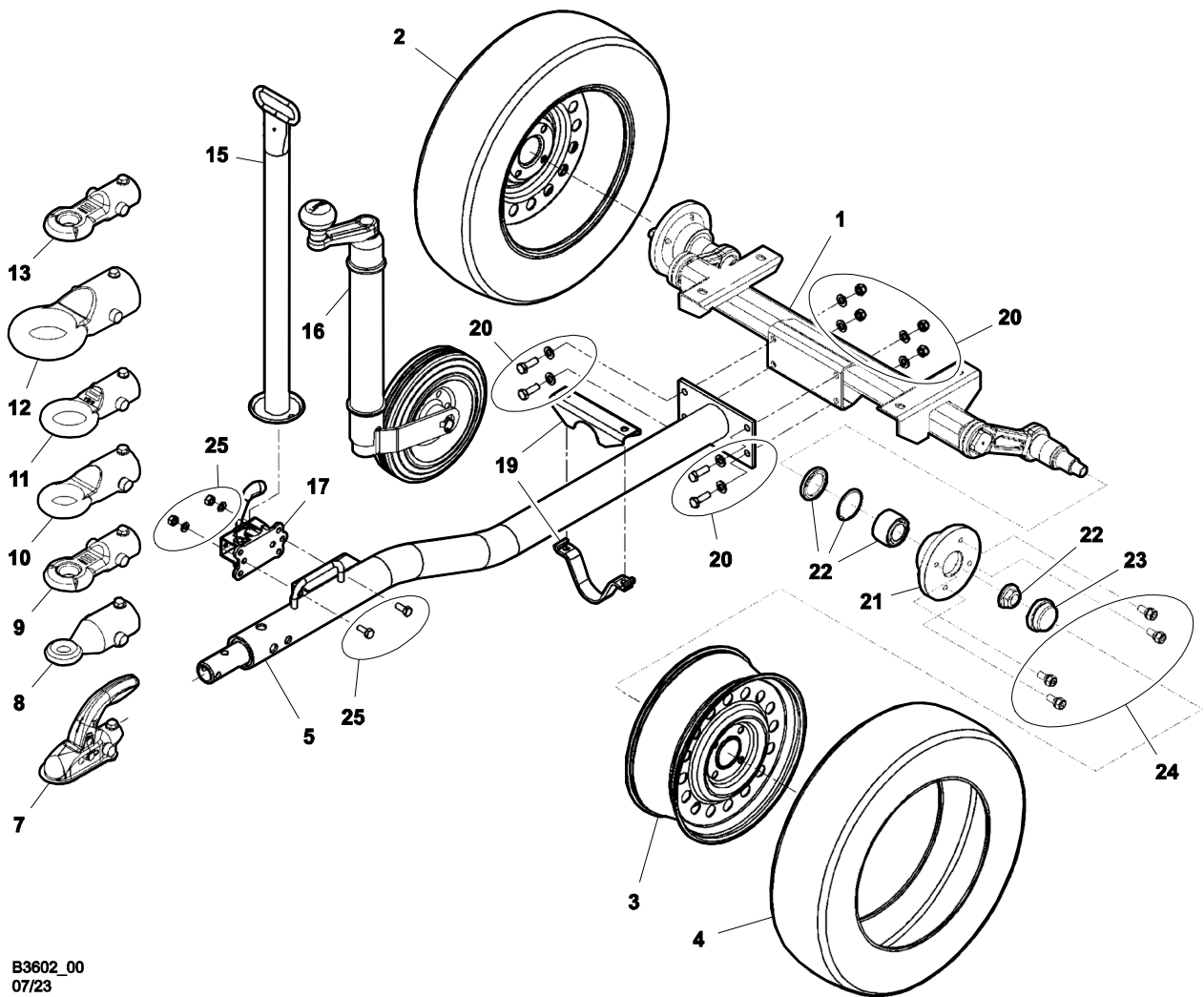


RUNNING GEAR



B3601_00
07/23

RUNNING GEAR (Fixed Height Unbraked)

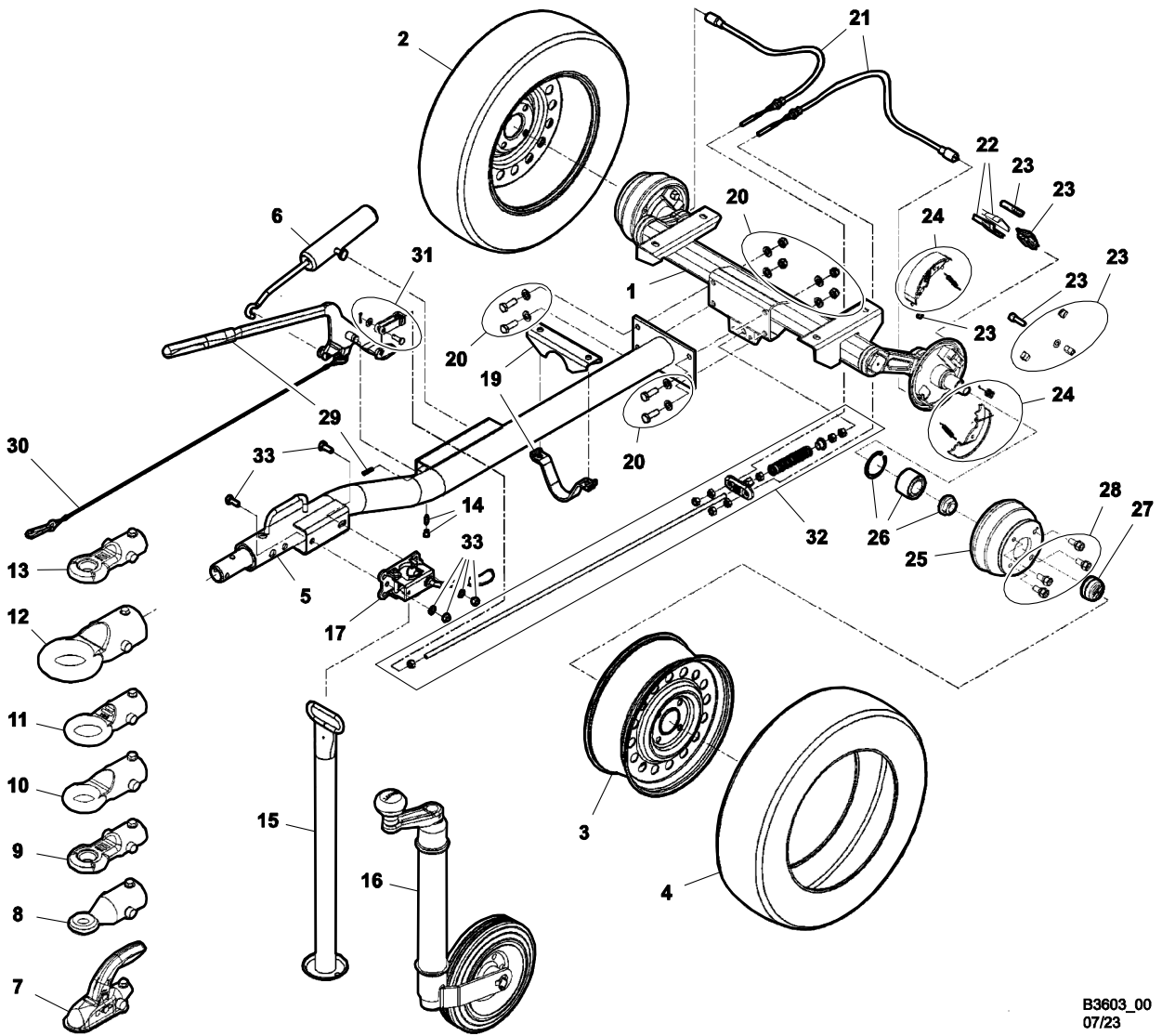


B3602_00
07/23

RUNNING GEAR (Fixed Height Unbraked)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	22402739	AXLE ASSEMBLY			1
2	46873418	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (orange)		1
2	46702285	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (silver)		1
3	46873419	WHEEL	(orange)		2
3	46702279	WHEEL	(silver)		2
4	46702282	TYRE			2
5	22357495	TUBE, DRAWBAR			2
6	22052104	DRAWBAR ASSEMBLY			1
7	46569659	HITCH, BALL	(50 mm)		1
8	54774492	EYE, TOWING	(Ø 28 mm)		1
9	54774500	EYE, TOWING	(Ø 40 mm)		1
9	46569699	EYE, TOWING	(non-standard)(UK) - (Ø 40 mm)		1
10	54774518	EYE, TOWING	(Ø 50 mm)		1
11	54774534	EYE, TOWING	(Ø 68 mm)		1
11	46569679	EYE, TOWING	(non-standard) - (Ø 68 mm)		1
12	54774542	EYE, TOWING	(Ø 76 mm - including bolts)		1
13	46553655	EYE, TOWING	(non-standard)(Italy) - (Ø 45 mm)		1
15	22053755	STAND, PROP			1
16	22053763	JOCKEY WHEEL ASSEMBLY			1
17	22067003	CLAMP ASSEMBLY			1
18	22126437	JOCKEY WHEEL ASSEMBLY	W/Ref. 16-17 - (including clamp)		1
19	80029093	CLAMP ASSEMBLY			1
20	46656685	KIT, CONNECTING			1
21	22358022	HUB ASSEMBLY	W/Ref. 22		2
22	46688460	BEARING ASSEMBLY			1
23	22051098	CAP			2
24	80029085	KIT, WHEEL BOLT			2
25	80029069	KIT, CONNECTING			1

RUNNING GEAR (Fixed Height Braked)

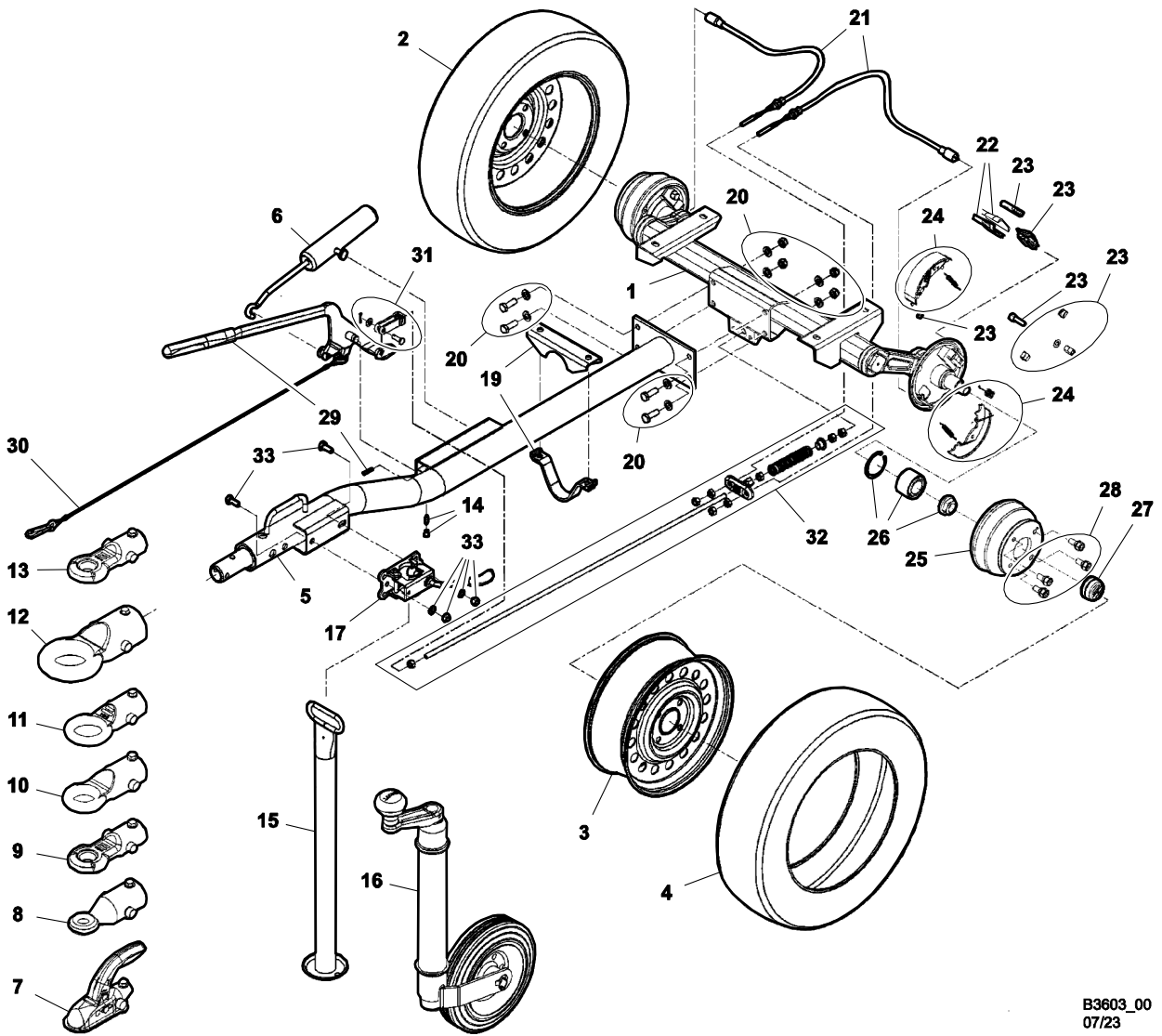


B3603_00
07/23

**RUNNING GEAR
(Fixed Height Braked)**

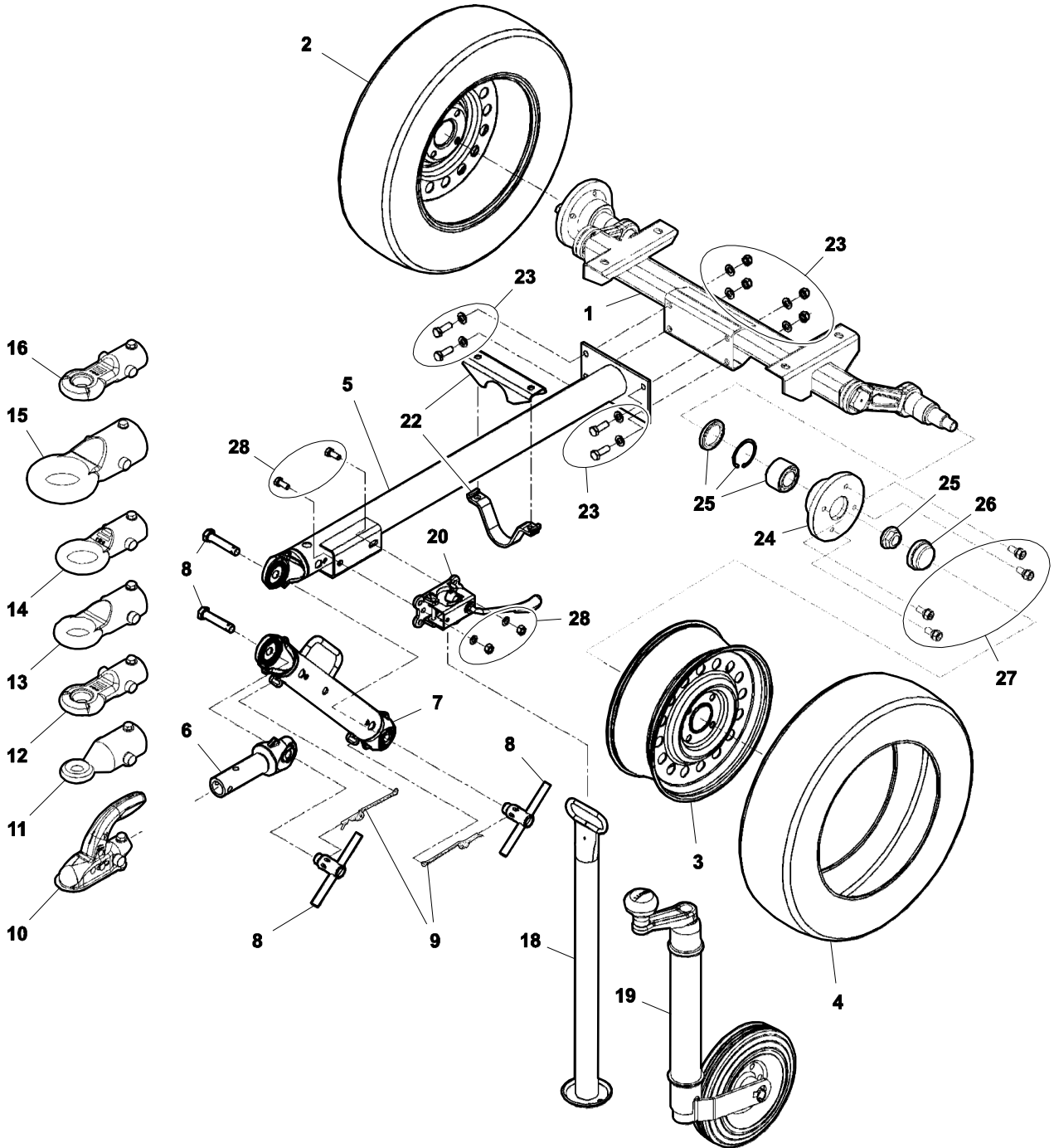
Item	Part Number	Description	Remarks	Serial Number	Qty
1	22357545	AXLE ASSEMBLY			1
2	46873418	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (orange)		1
2	46702285	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (silver)		1
3	46873419	WHEEL	(orange)		2
3	46702279	WHEEL	(silver)		2
4	46702282	TYRE			2
5	22544837	TUBE, DRAWBAR			1
6	22051619	SPRING			1
7	46569659	HITCH, BALL	(50 mm)		1
8	54774492	EYE, TOWING	(Ø 28 mm)		1
9	54774500	EYE, TOWING	(Ø 40 mm)		1
9	46569699	EYE, TOWING	(non-standard)(UK) - (Ø 40 mm)		1
10	54774518	EYE, TOWING	(Ø 50 mm)		1
10	46569683	EYE, TOWING	(non-standard) - (Ø 50 mm)		1
11	54774534	EYE, TOWING	(Ø 68 mm)		1
11	46569679	EYE, TOWING	(non-standard) - (Ø 68 mm)		1
12	54774542	EYE, TOWING	(Ø 76 mm - including bolts)		1
13	46553655	EYE, TOWING	(non-standard)(Italy) - (Ø 45 mm)		1
14	46654823	GREASE NIPPLE			1
15	22053755	STAND, PROP			1
16	22053763	JOCKEY WHEEL ASSEMBLY			1
17	22067003	CLAMP ASSEMBLY			1
18	22126437	JOCKEY WHEEL ASSEMBLY	W/Ref. 16-17 - (including clamp)		1
19	80029093	CLAMP ASSEMBLY			1
20	46656685	KIT, CONNECTING			1
21	46550963	CABLE			2
22	46656681	CABLE COVER ASSEMBLY	(order two per machine)		2
23	46688462	KIT, BRAKE OVERHAUL			1
24	46688463	KIT, BRAKE SHOE			1
25	22357917	DRUM, BRAKE	W/Ref. 26		2
26	22052195	KIT, BEARING			2

RUNNING GEAR (CONT'D)
(Fixed Height Braked)



B3603_00
 07/23

RUNNING GEAR
(Variable Height Unbraked)

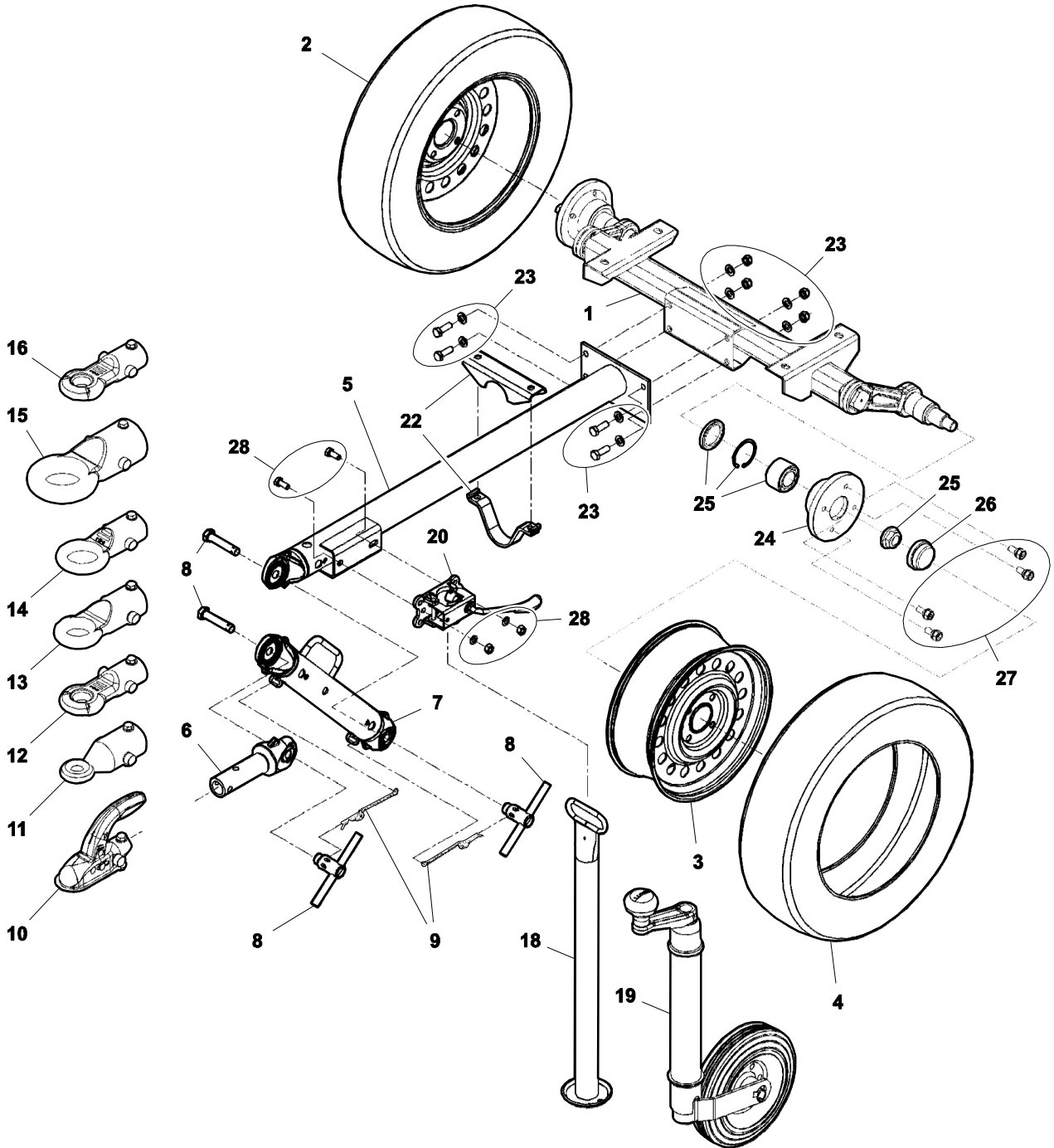


B3604_00
07/23

RUNNING GEAR
(Variable Height Unbraked)

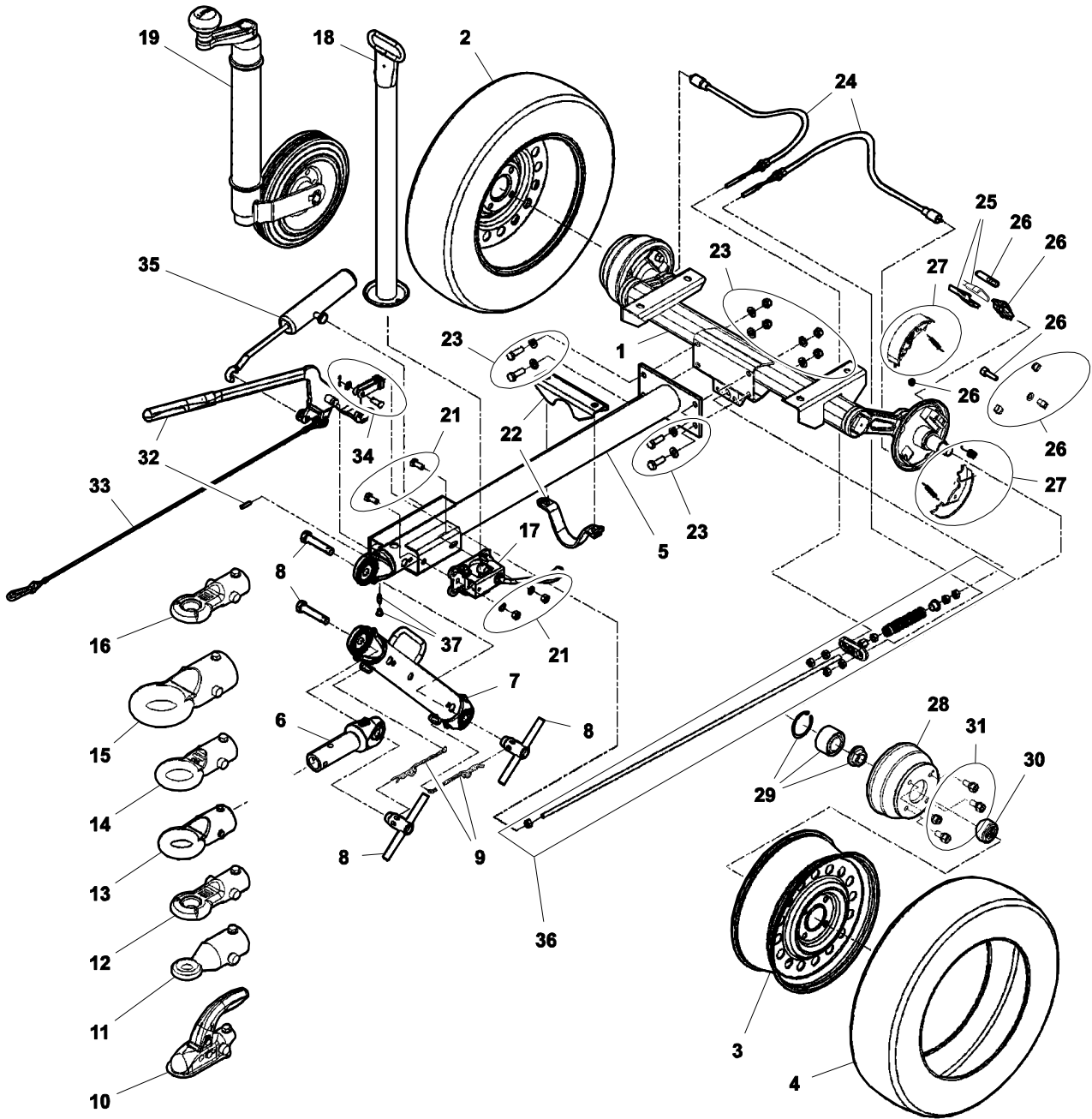
Item	Part Number	Description	Remarks	Serial Number	Qty
1	22402739	AXLE ASSEMBLY			1
2	46873418	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (orange)		1
2	46702285	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (silver)		1
3	46873419	WHEEL	(orange)		2
3	46702279	WHEEL	(silver)		2
4	22066989	TYRE			2
5	80029127	TUBE, DRAWBAR			2
6	22357818	COUPLING			1
7	22357792	ARM, LINK			1
8	46688470	KIT, CLAMP	W/Ref. 9		1
9	22051759	CLIP ASSEMBLY	NAP - Order Ref. 8		2
10	46569659	HITCH, BALL	(50 mm)		1
11	54774492	EYE, TOWING	(Ø 28 mm)		1
12	54774500	EYE, TOWING	(Ø 40 mm)		1
12	46569699	EYE, TOWING	(non-standard)(UK) - (Ø 40 mm)		1
13	54774518	EYE, TOWING	(Ø 50 mm)		1
13	46569683	EYE, TOWING	(non-standard) - (Ø 50 mm)		1
14	54774534	EYE, TOWING	(Ø 68 mm)		1
14	46569679	EYE, TOWING	(non-standard) - (Ø 68 mm)		1
15	54774542	EYE, TOWING	(Ø 76 mm - including bolts)		1
16	46553655	EYE, TOWING	(non-standard)(Italy) - (Ø 45 mm)		1
18	22053755	STAND, PROP			1
19	22053763	JOCKEY WHEEL ASSEMBLY			1
20	22067003	CLAMP ASSEMBLY			1
21	22126437	JOCKEY WHEEL ASSEMBLY	W/Ref. 19-20 - (including clamp)		1
22	80029093	CLAMP ASSEMBLY			1
23	46656685	KIT, CONNECTING			1
24	22358022	HUB ASSEMBLY	W/Ref. 25		2
25	22052195	KIT, BEARING			1
26	22051098	CAP			2
27	80029085	KIT, WHEEL BOLT			2

RUNNING GEAR (CONT'D)
(Variable Height Unbraked)



B3604_00
 07/23

**RUNNING GEAR
(Variable height Braked)**

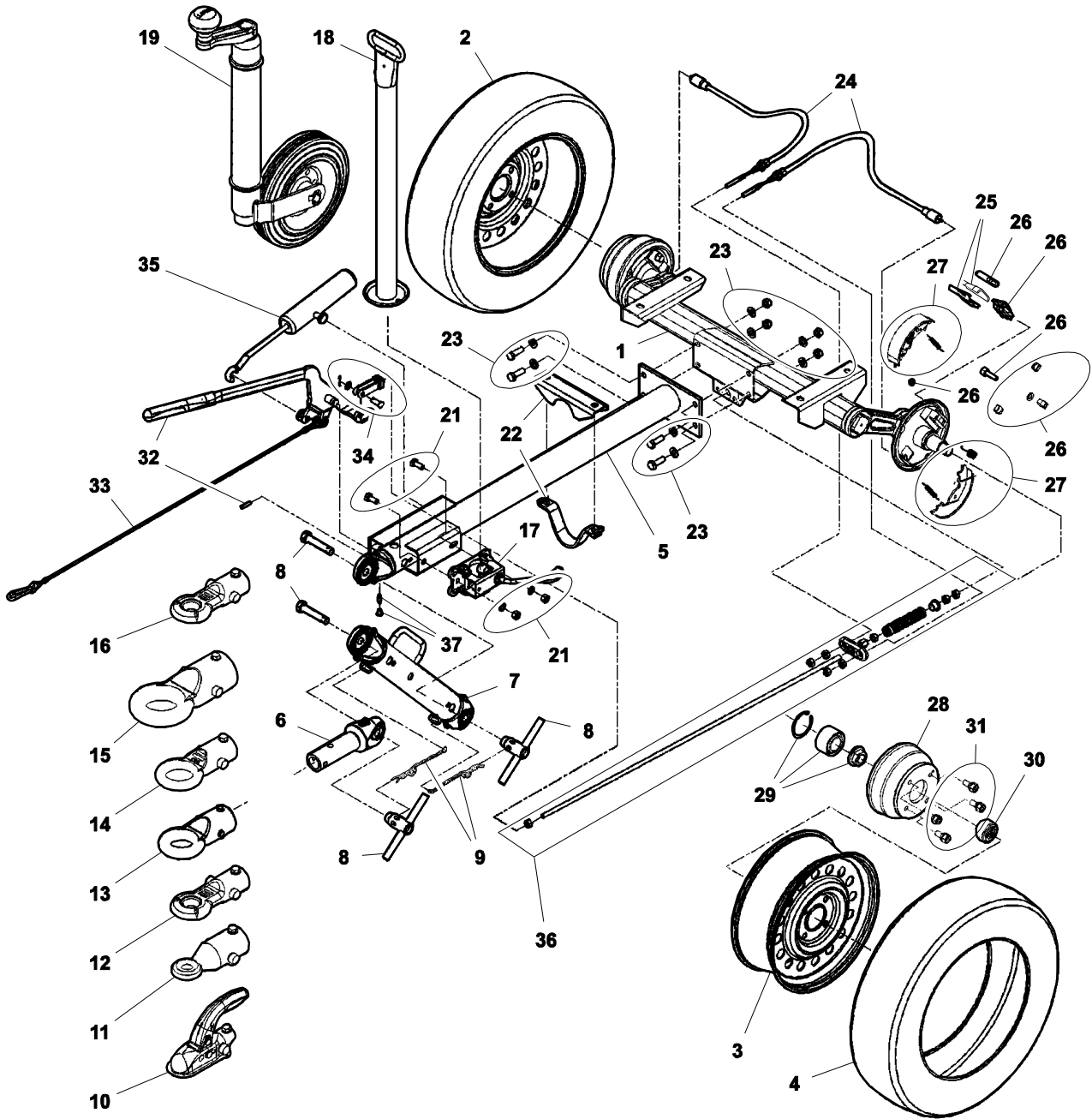


B3606_00
07/23

RUNNING GEAR
(Variable height Braked)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	22357545	AXLE ASSEMBLY			1
2	46873418	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (orange)		1
2	46702285	WHEEL AND TYRE ASSEMBLY	W/Ref. 3-4 - (silver)		1
3	46873419	WHEEL	(orange)		2
3	46702279	WHEEL	(silver)		2
4	46702282	TYRE			2
5	22357735	TUBE			1
6	22357818	COUPLING			1
7	22357792	ARM, LINK			1
8	46688470	KIT, CLAMP	W/Ref. 9		1
9	22051759	CLIP ASSEMBLY	NAP - Order Ref. 8		2
10	46569659	HITCH, BALL	(50 mm)		1
11	54774492	EYE, TOWING	(Ø 28 mm)		1
12	54774500	EYE, TOWING	(Ø 40 mm)		1
12	46569699	EYE, TOWING	(non-standard)(UK) - (Ø 40 mm)		1
13	54774518	EYE, TOWING	(Ø 50 mm)		1
13	46569683	EYE, TOWING	(non-standard) - (Ø 50 mm)		1
14	54774534	EYE, TOWING	(Ø 68 mm)		1
14	46569679	EYE, TOWING	(non-standard) - (Ø 68 mm)		1
15	54774542	EYE, TOWING	(Ø 76 mm - including bolts)		1
16	46553655	EYE, TOWING	(non-standard)(Italy) - (Ø 45 mm)		1
17	22067003	CLAMP ASSEMBLY			1
18	22053755	STAND, PROP			1
19	22053763	JOCKEY WHEEL ASSEMBLY			1
20	22126437	JOCKEY WHEEL ASSEMBLY	W/Ref. 18-19 - (including clamp)		1
21	80029069	KIT, CONNECTING			1
22	80029093	CLAMP ASSEMBLY			1
23	46656685	KIT, CONNECTING			1
24	46550963	CABLE			2
25	46656681	CABLE COVER ASSEMBLY	(order two per machine)		2
26	46688462	KIT, BRAKE OVERHAUL			1

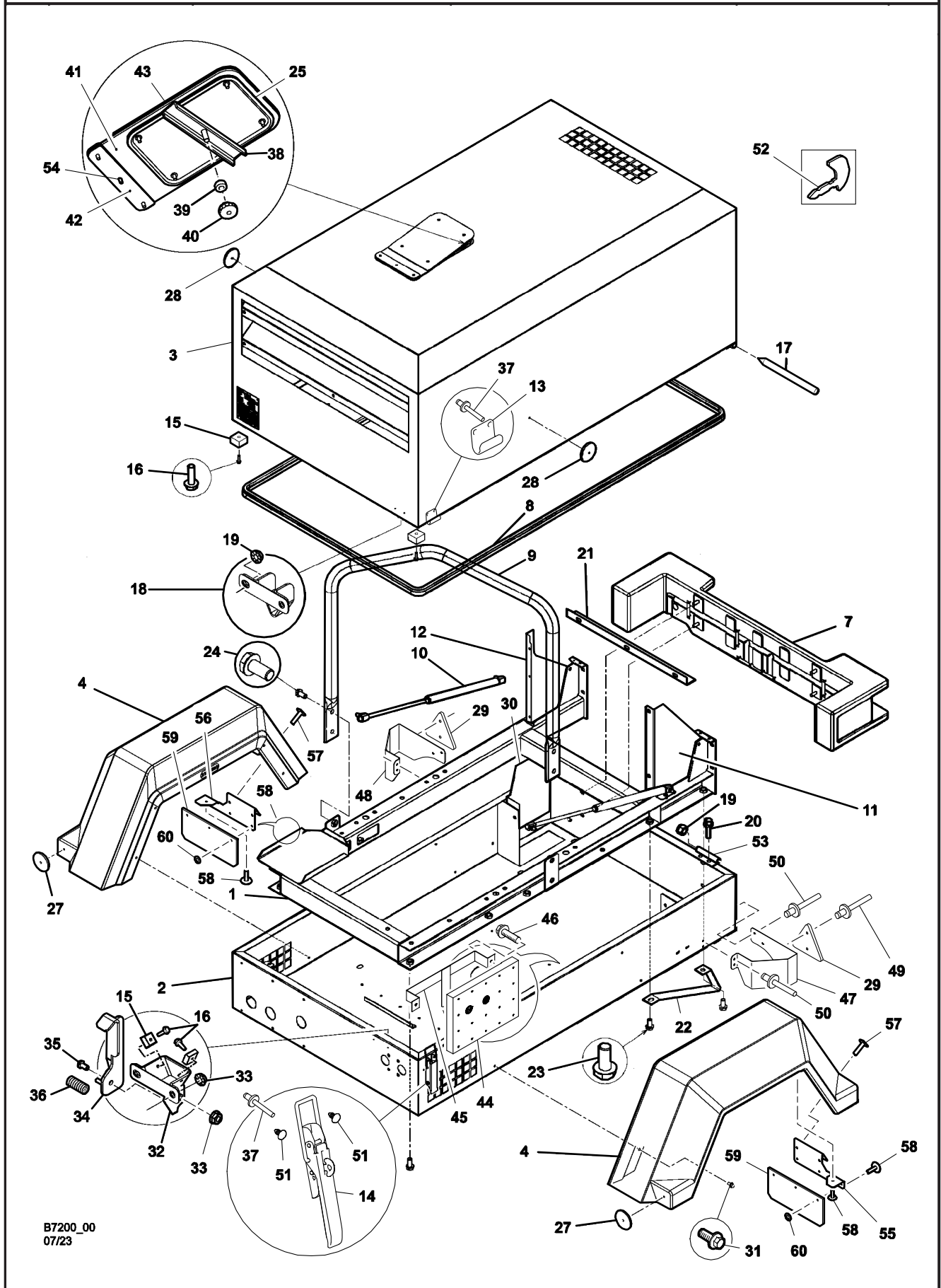
RUNNING GEAR (CONT'D)
(Variable height Braked)



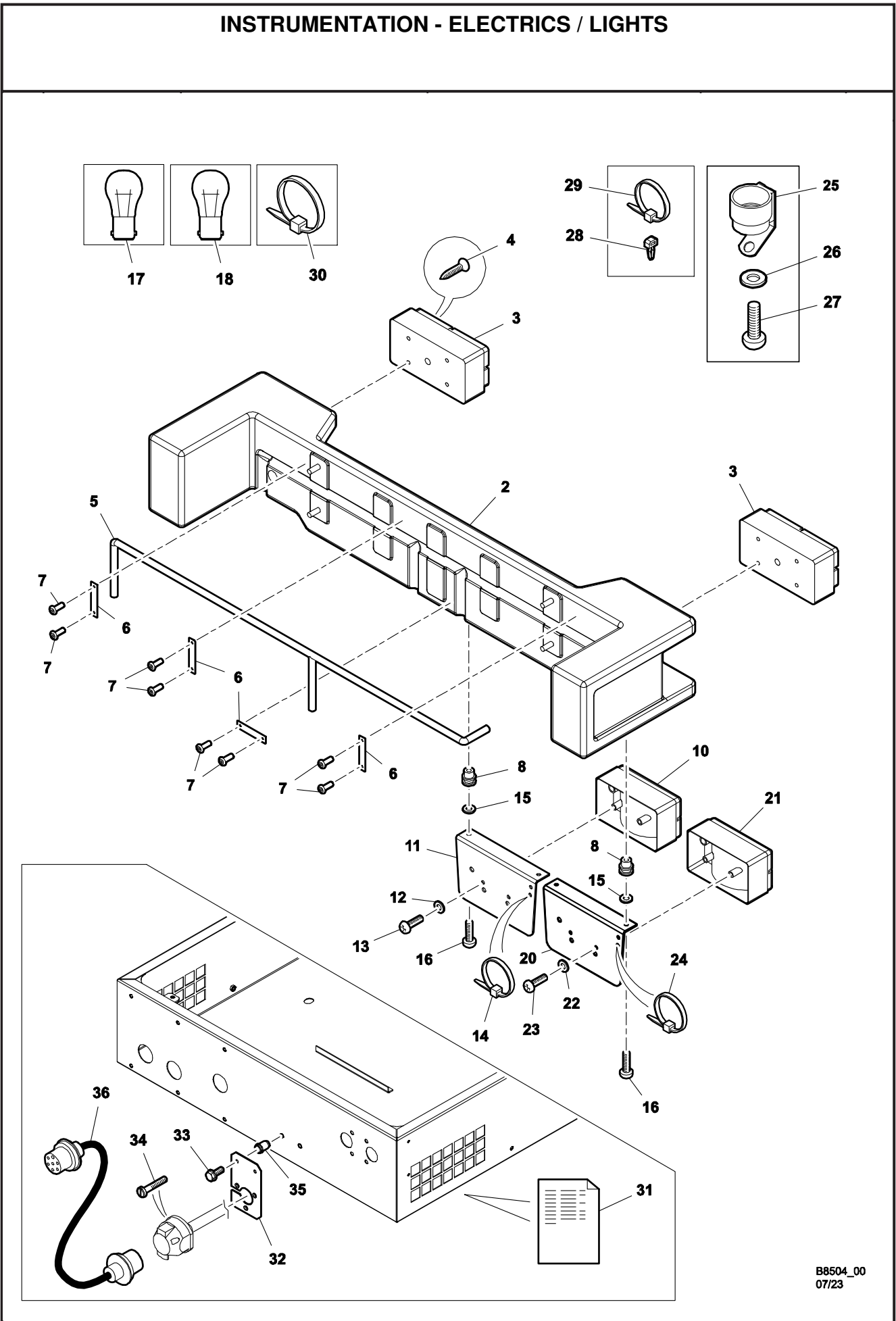
B3606_00
 07/23

ENCLOSURE					
Item	Part Number	Description	Remarks	Serial Number	Qty
1	22770374SZ	FRAME			1
2	46881167	ENCLOSURE, LOWER			1
3	46881166	CANOPY ASSEMBLY			1
4	23196660	FENDER			2
7	22277511	BUMPER			1
8	92119957	SEAL			1
9	22277412SZ	BAIL, LIFTING			1
10	54515713	SPRING			2
11	22772503SZ	SUPPORT			1
12	22771141SZ	SUPPORT			1
13	89203616	CATCH, FEMALE			2
14	46553324	LATCH			2
15	92799501	PROTECTOR			4
16	46584999	SCREW	(M6 x 16)		4
17	22775365	PIN			2
18	22772974SZ	STOP			1
19	96704606	NUT			2
20	92398122	SCREW	(M6 x 20)		4
21	22772750SZ	SUPPORT, COOLER			1
22	22770408SZ	STOP			4
23	92176114	SCREW	(M12 x 20)		6
24	46638560	SCREW	(M12 x 35)		4
25	22293419	SEAL, U-PROFILE	660 mm long		1
27	92085729	REFLECTOR, WHITE			2
28	92121243	REFLECTOR, AMBER			2
29	92721331	REFLECTOR, RED			2
30	22329643SZ	SHIELD, HEAT			1
31	92096015	SCREW	(M6 x 16)		8
32	22772982SZ	STOP			1
33	96704606	NUT			2
34	22772990	HOOK, SECURITY			1

ENCLOSURE (CONT'D)



INSTRUMENTATION - ELECTRICS / LIGHTS

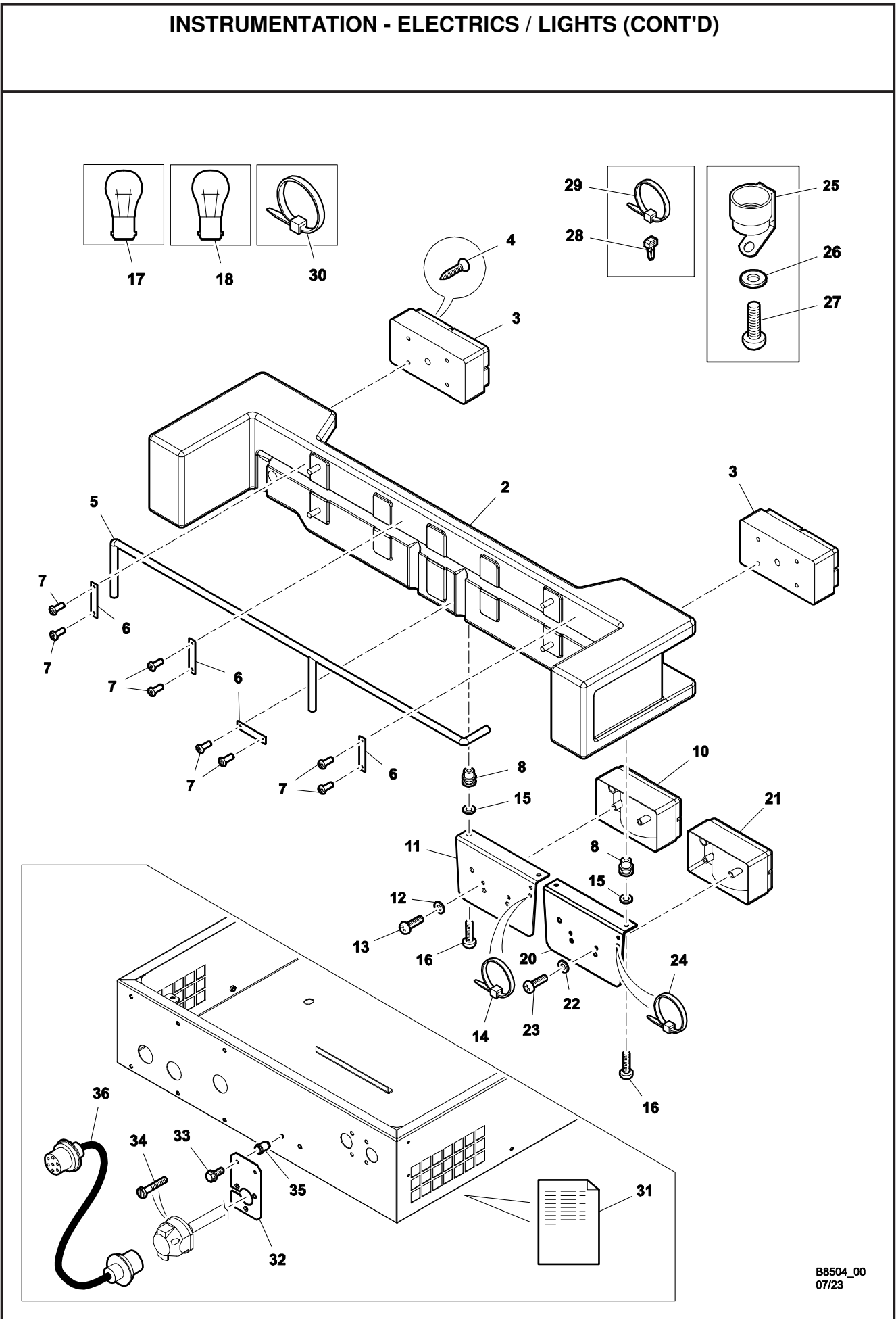


B8504_00
07/23

INSTRUMENTATION - ELECTRICS / LIGHTS

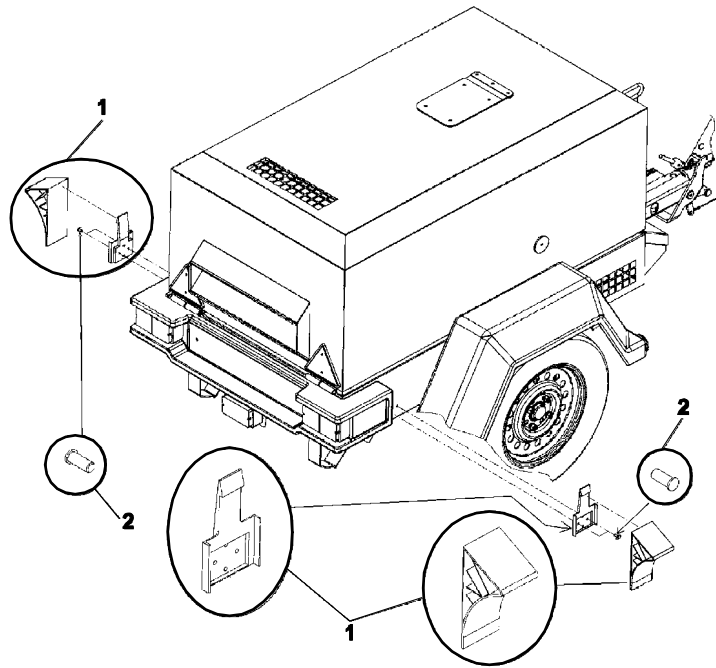
Item	Part Number	Description	Remarks	Serial Number	Qty
1	23021892	BUMPER/LIGHTS ASSEMBLY	W/Ref. 2-18		1
1	23367832	BUMPER/LIGHTS ASSEMBLY	W/Ref. 2-24 - (reverse lamp option)		1
1	46844380	BUMPER/LIGHTS ASSEMBLY	W/Ref. 2-18 - (detachable cable)		1
2	22277511	BUMPER			1
3	92783620	LAMP, STOP/REAR/INDICATOR			2
4	92789205	SCREW			8
5	22289029	HARNESS, WIRING			1
5	23365034	HARNESS, WIRING	(reverse lamp option only)		1
5	46698096	HARNESS, WIRING	(detachable cable option only)		1
6	92803691	PLATE, RETAINING			4
7	92368075	RIVET	(M3 x 10)		8
8	23182470	NUT	(M5)		4
9	22997050	FOG LAMP ASSEMBLY	W/Ref. 10-14		1
10	93477388	LAMP, FOG			1
11	89203822SZ	BRACKET			1
12	92304583	WASHER	(M5)		2
13	96737531	SCREW	(M5 x 20)		2
14	92434315	TIE, CABLE			1
15	92304583	WASHER	(M5)		4
16	96737531	SCREW	(M5 x 20)		4
17	89293708	BULB	(21 W)		2
18	23001597	BULB	(21 / 5 W)		2
19	23213077	REVERSE LAMP ASSEMBLY	W/Ref. 20-24 (reverse lamp option only)		1
20	89203822SZ	BRACKET			1
21	23212863	LAMP, REVERSE			1
22	92304583	WASHER	(M5)		2
23	96737531	SCREW	(M5 x 20)		2
24	92434315	TIE, CABLE			1
25	46556766	HOLDER, PLUG			1
26	23076656	WASHER	(M6 x 25)		1
27	36797652	SCREW	(M6 x 12)		1

INSTRUMENTATION - ELECTRICS / LIGHTS (CONT'D)



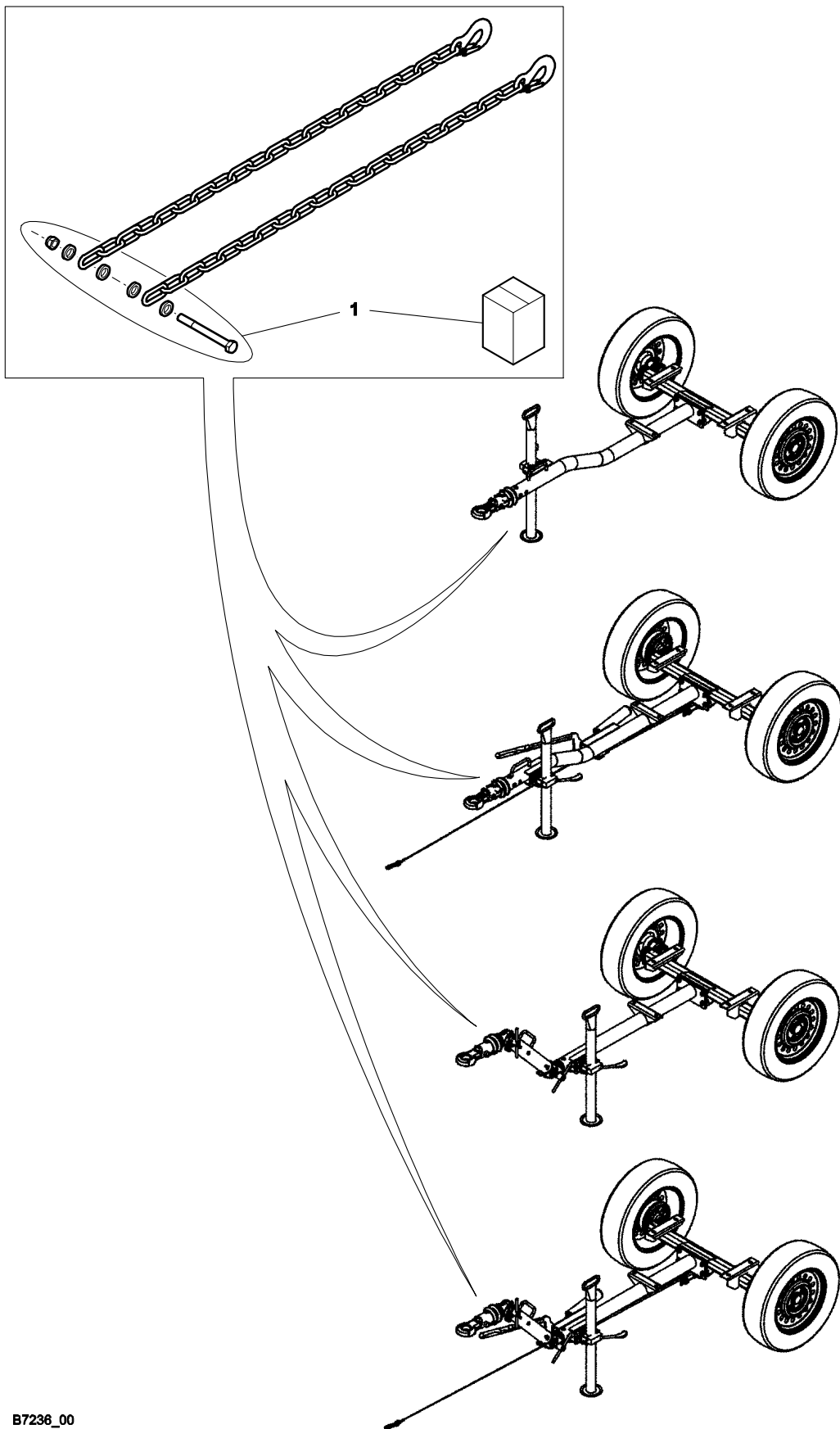
B8504_00
07/23

OPTION - WHEEL CHOCKS



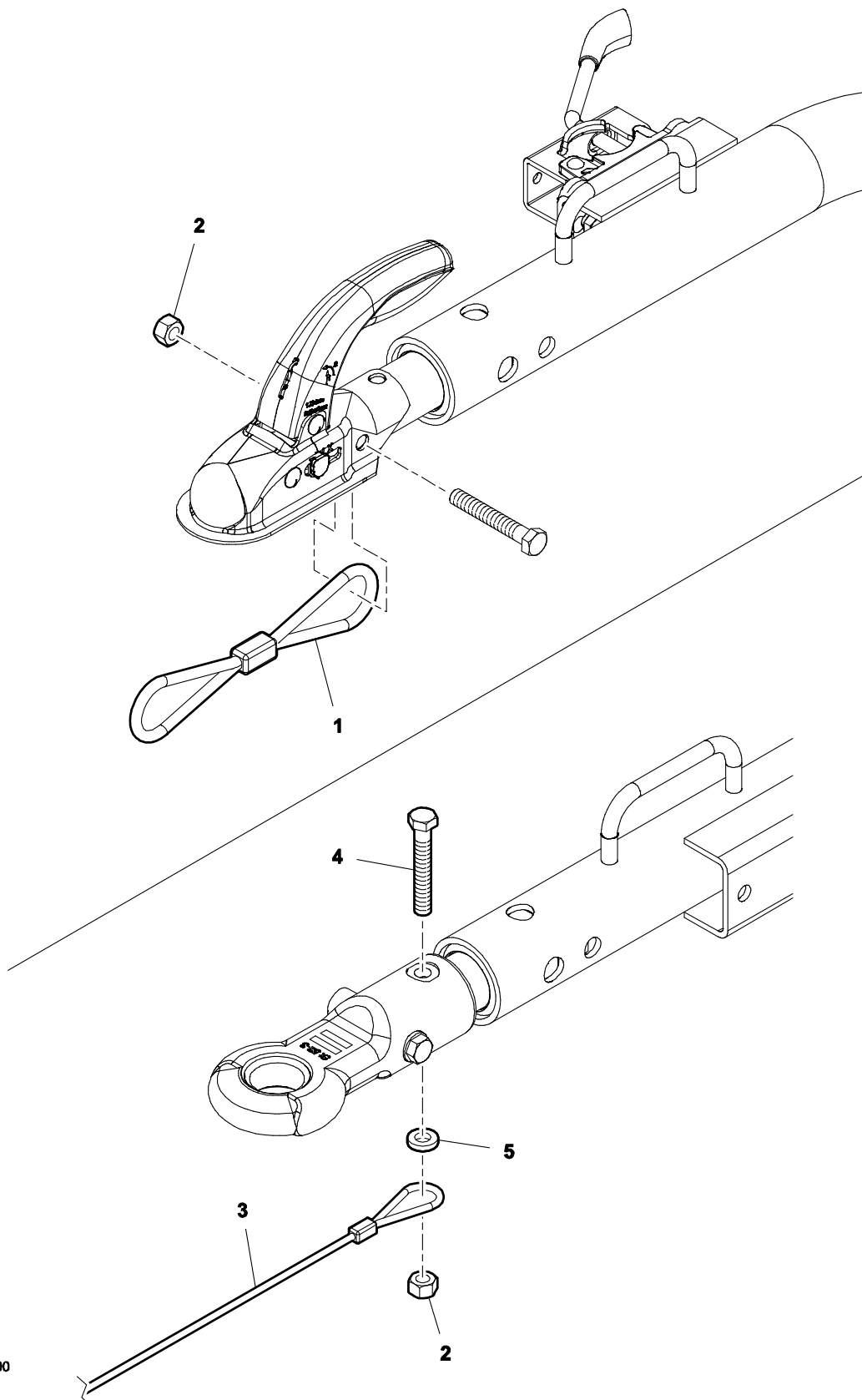
B7233_00
07/23

OPTION - SAFETY CHAINS



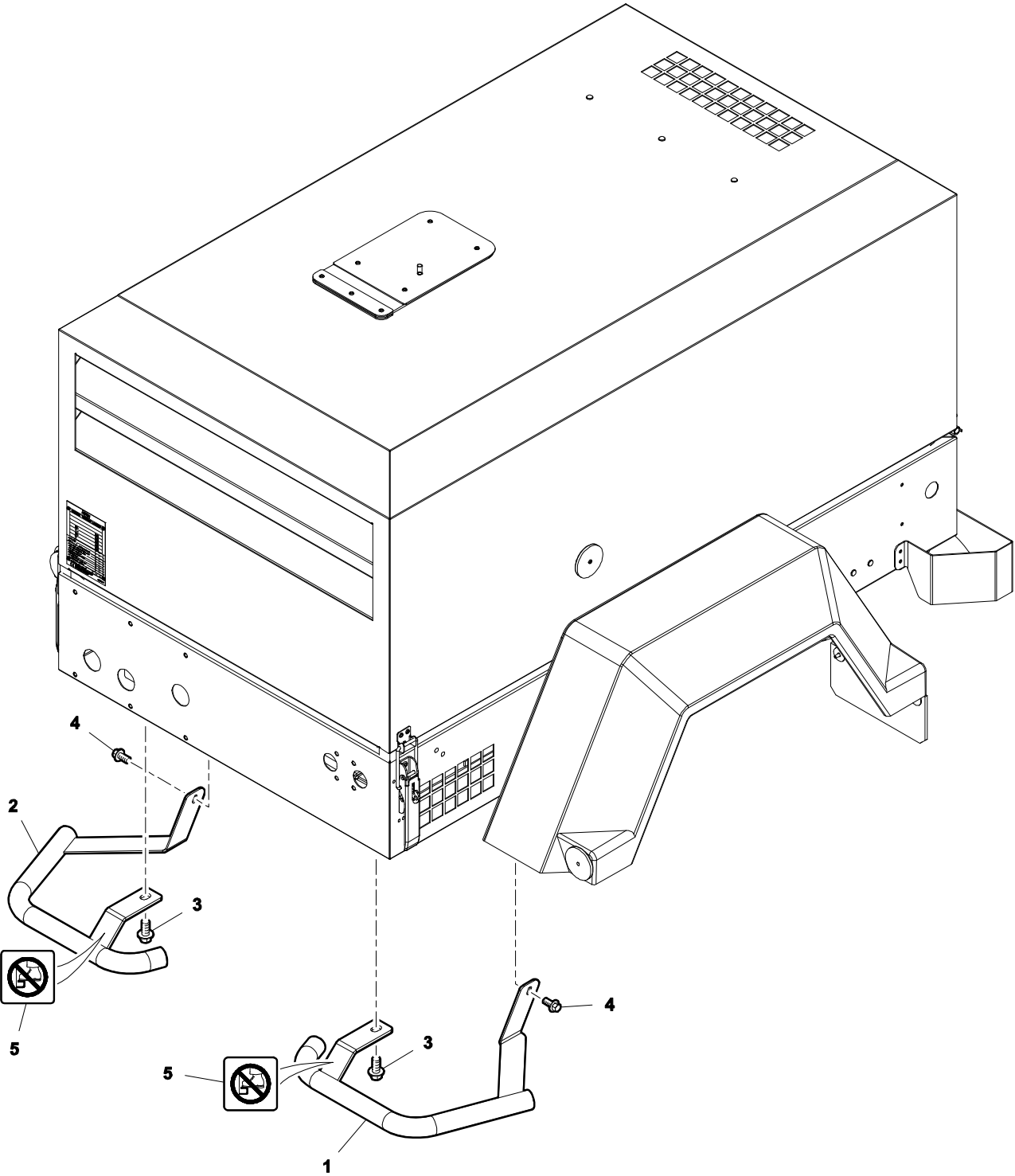
B7236_00
07/23

OPTION - BREAK-AWAY CABLE



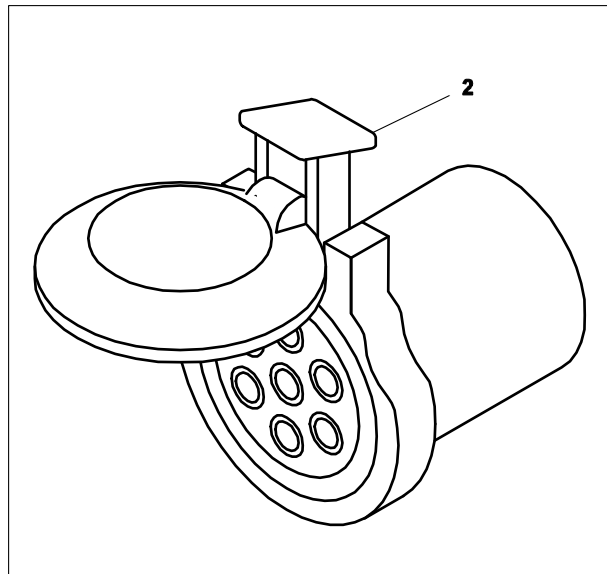
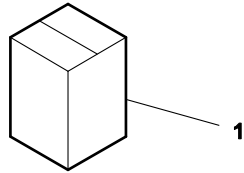
B7228_00
01/24

OPTION - SAFETY GUARD



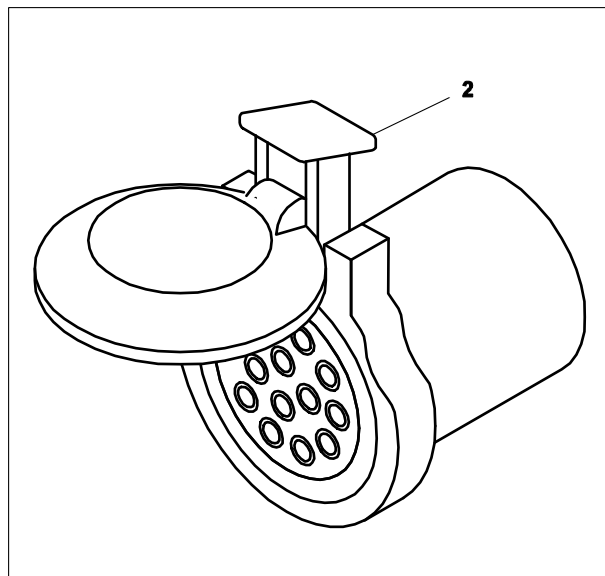
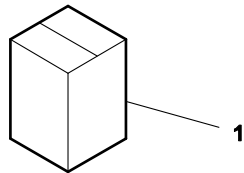
B7237_00
07/23

OPTION - LIGHTING PLUG ADAPTOR



B4561_00
07/23

OPTION - LIGHTING PLUG ADAPTOR



B4562_00
07/23





Bobcat®

Doosan Bobcat EMEA s.r.o
U Kodetky 1810
263 12 Dobříš
Czech Republic

<https://www.bobcat.com/eu/>