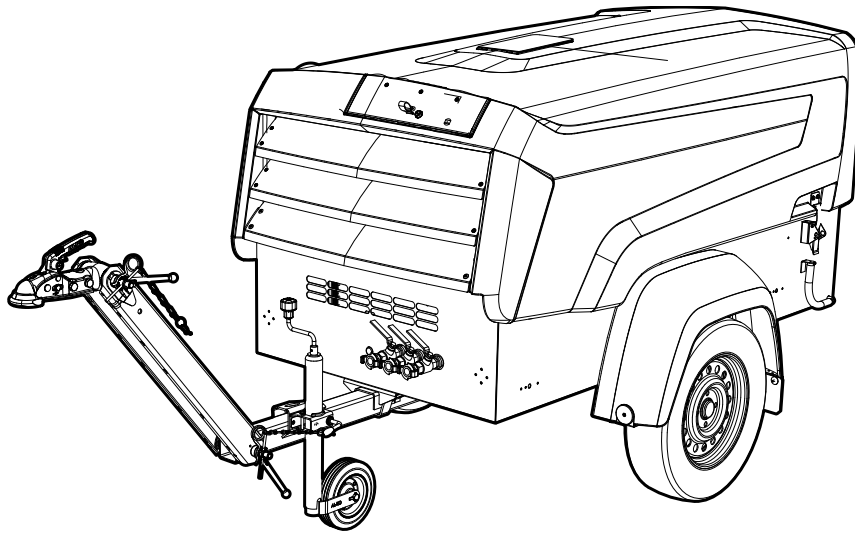




Bobcat®

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.



PA7.3 (L41)
PA7.4 (L42)
PA7.5 (L43)
PA14.3 (L44)



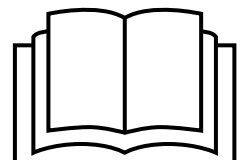
This manual contains important safety information and must be made available to personnel who operate and maintain this machine. If the required repair and maintenance information is not detailed in this manual then contact your local dealer.

This manual is applicable for trailers under the following Type Approval numbers:

e1*2018/858*00121*00
e1*2018/858*00119*00
e1*2018/858*00114*00

Serial No. PA7.3: 111200->
Serial No. PA7.4: 437600->
Serial No. PA7.5: 448000->
Serial No. PA14.3: 447600->

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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 to 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.
- Generation of electricity at 110v (1ph) with centre tap earth, 230v (1ph), 230v (3ph) and 400v (3ph) / 230v (1ph) nominal at 50 Hertz.

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

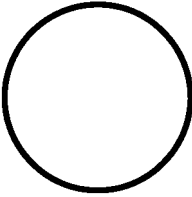
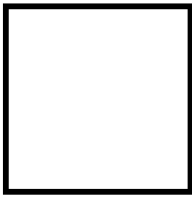


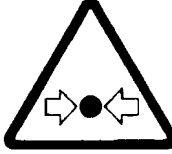




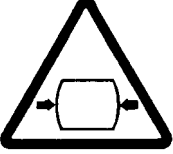




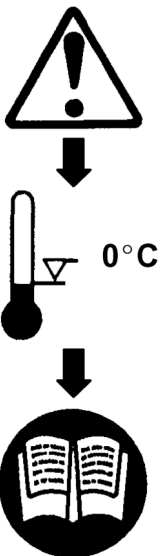
- a) **Is not approved,**
- b) **May impair the safety of users and other persons, and**
- c) **May prejudice any claims made against the company.**


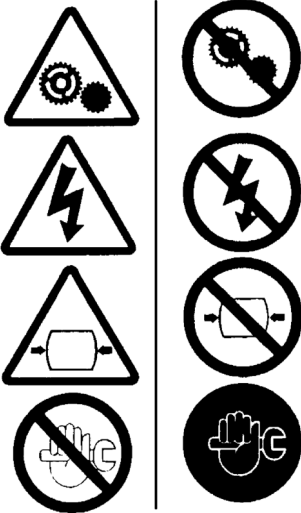













TABLE 1
Use of the machine to produce compressed air for: a) direct human consumption b) indirect human consumption, without suitable filtration and purity checks.
Use of the machine outside the ambient temperature range specified in the <i>GENERAL INFORMATION SECTION</i> of this manual.
This machine 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.
GENERATOR
Use of the generator to supply load(s) greater than those specified.
Use of unsafe or unserviceable electrical equipment connected to the generator.
Use of electrical equipment: a) Having incorrect voltage and/or frequency ratings. b) Containing computer equipment and/or similar electronics.

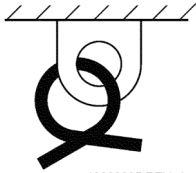




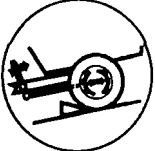

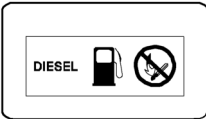


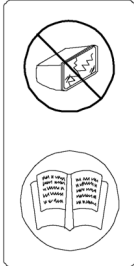
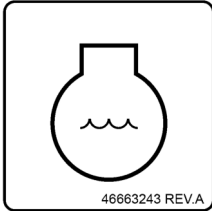



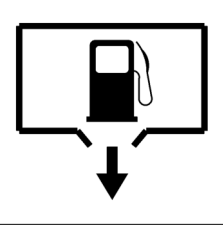
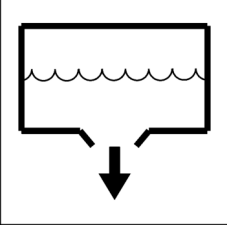
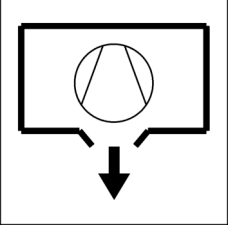
The company accepts no responsibility for errors in translation of this manual from the original English version.

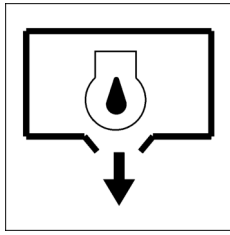
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GRAPHIC FORM AND MEANING OF ISO SYMBOLS

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

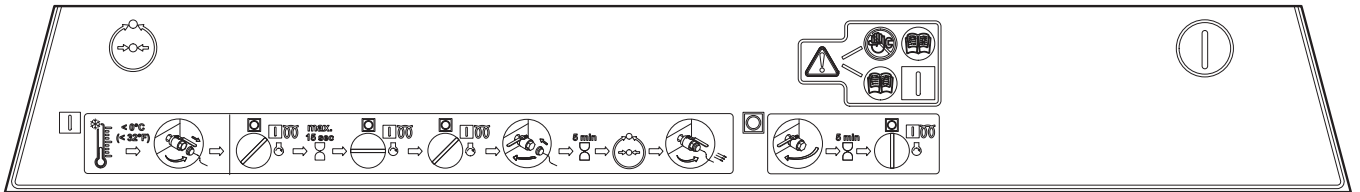
 <p>WARNING - Maintenance work in progress.</p>	 <p>WARNING - Do not undertake any maintenance on this machine until the electrical supply is disconnected and the air pressure is totally relieved.</p>	 <p>WARNING - Consult the operation and maintenance manual before commencing any maintenance.</p>
 <p>Do 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 airhose is attached.</p>	 <p>Use fork lift truck from this side only.</p>	 <p>Emergency stop.</p>

 <p>46663095 REV. A</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>46663243 REV.A</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>

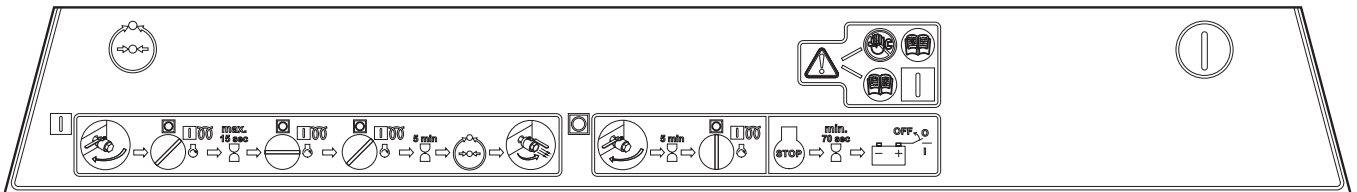


Engine oil drain.

PA7.3



PA7.4, PA7.5, PA14.3



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 ice and snow do not block the cooling air inlets.

Use hearing protectors when the machine is running.

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.).

Ether is an extremely volatile, highly inflammable gas. When it is specified as a starting aid, use sparingly. **DO NOT USE ETHER IF THE MACHINE HAS GLOW PLUG STARTING AID OR ENGINE DAMAGE WILL RESULT.**

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

Do not lock the control panel door if the unit is not equipped with the optional Emergency Stop Switch.

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.

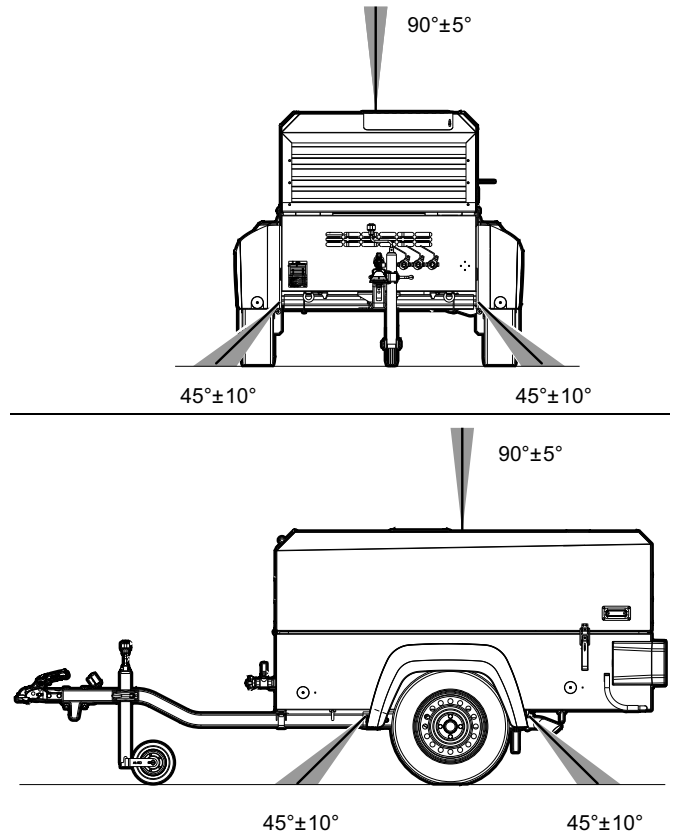
Do not remove the pressure cap from a HOT radiator. Allow radiator to cool down before removing pressure cap.

Generator

The generator is designed for safety in use. However, the responsibility for safe operation rests with those who install, use and maintain it. The following safety precautions are offered as a guide, which, if conscientiously followed, will minimise the possibility of accidents throughout the useful life of this equipment.

Transport

When loading or transporting machines ensure that the specified lifting and tie down points are used and cables or chains are within safe limits.



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.

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:

- a) Ensure that the breakaway cable is securely coupled to the handbrake lever and also to a substantial point on the towing vehicle.
- b) 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.

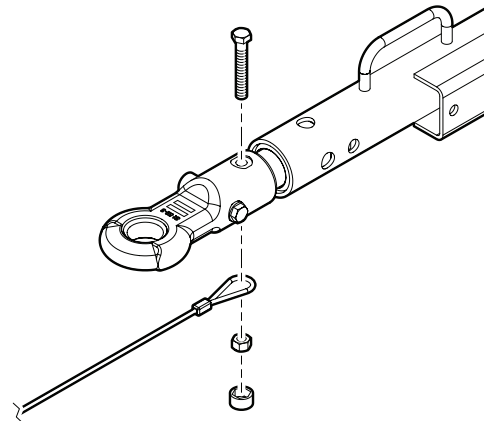
Where brakes and safety chains are fitted:

- a) Loop the chains onto the towing vehicle using the towing vehicle hitch as an anchorage point, or any other point of similar strength.
- b) 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.

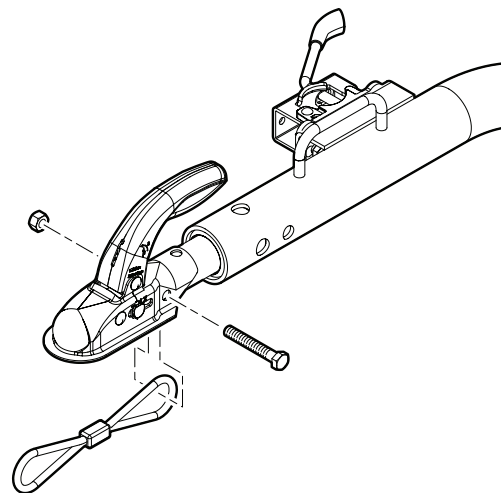
Where breakaway cable only is fitted (un-braked trailer) :

- a) 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.
- b) 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.

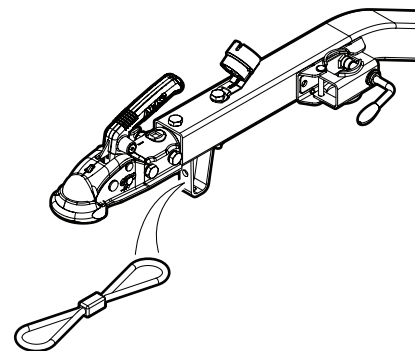
Breakaway Cable Location - Units with Towing Eye



Breakaway Cable Location - Units with Ball Hitch



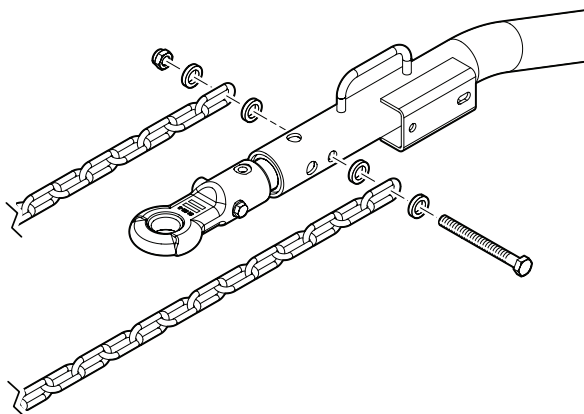
Breakaway Cable Location - Units with Supporting Foot



Where safety chains only are fitted:

- a) Loop the chains onto the towing vehicle using the towing vehicle hitch as an anchorage point, or any other point of similar strength.
- b) 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

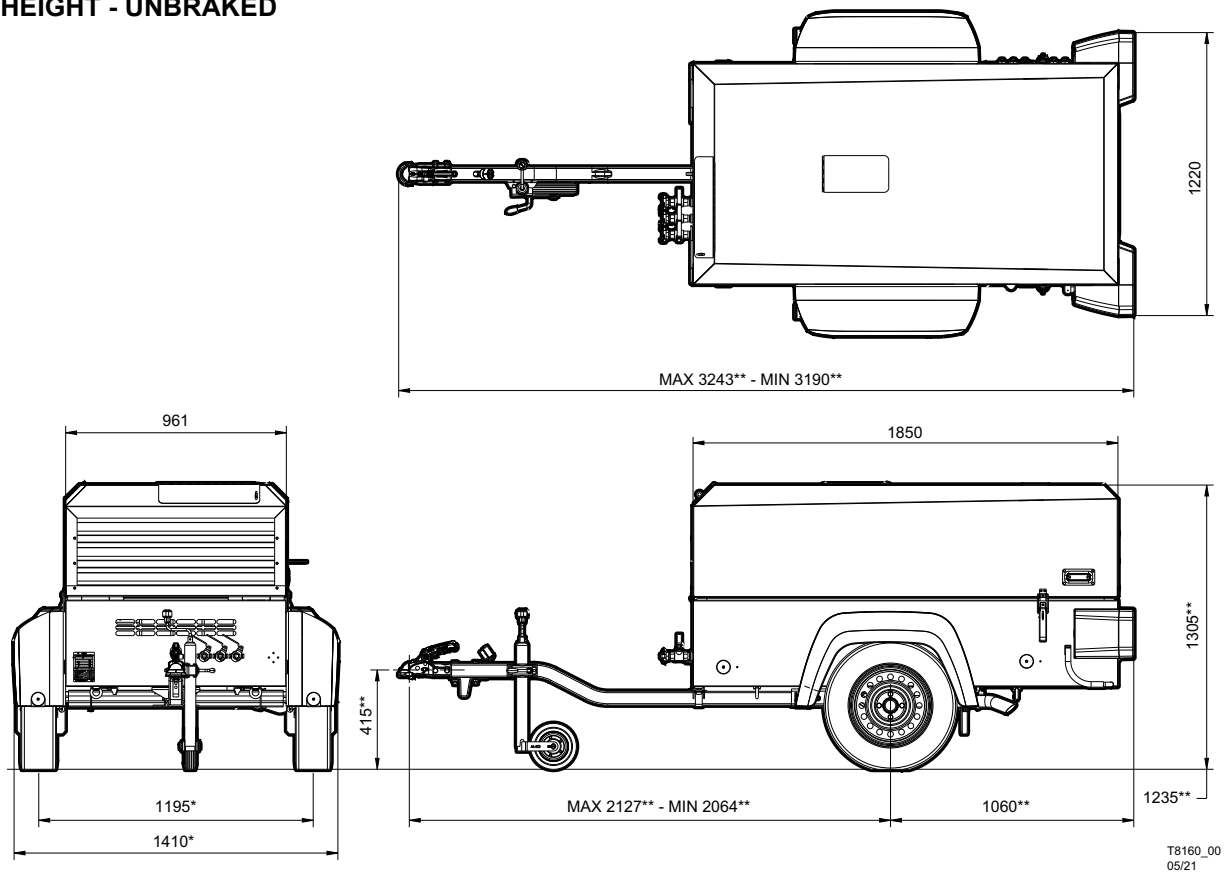


Where breakaway cable or safety chains are not fitted:

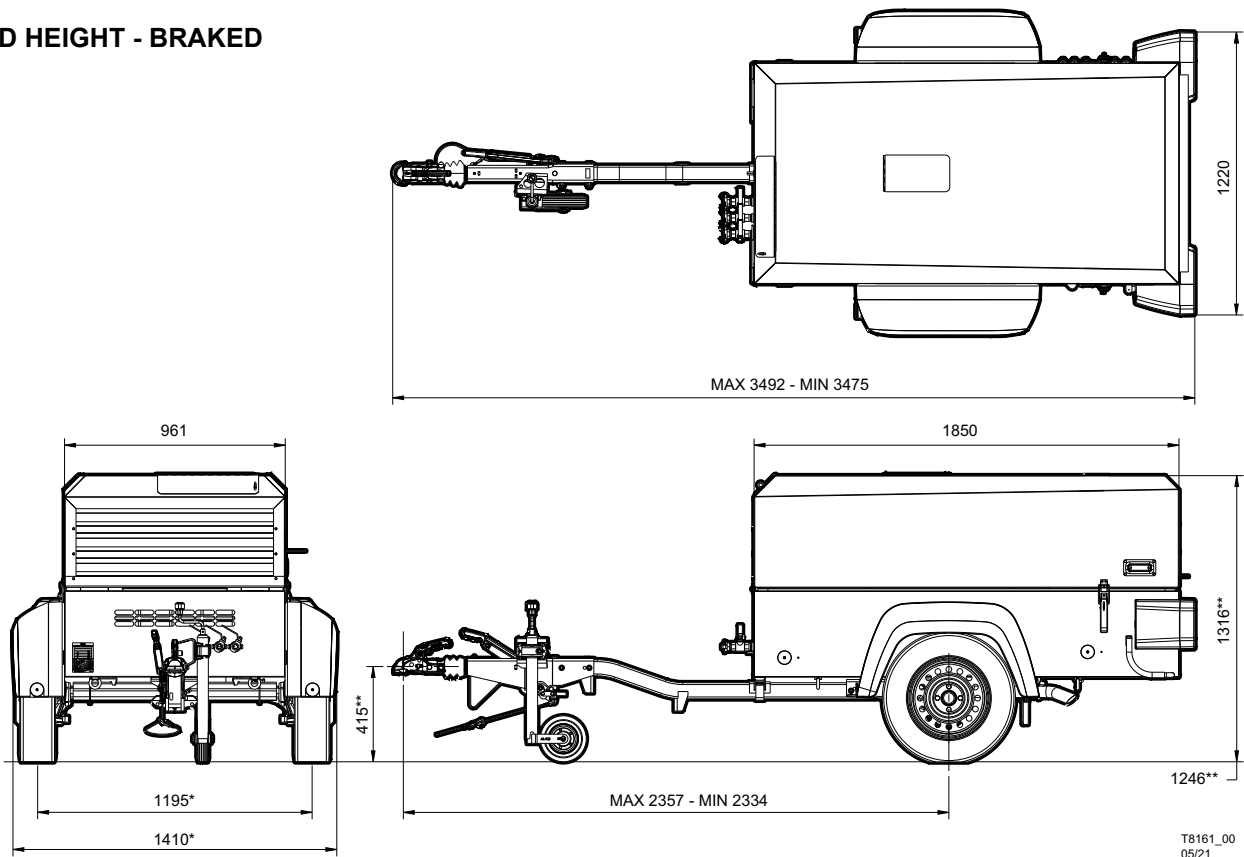
- a) In the case the breakaway cable or safety chains are not assembled, lost or misplaced, always check the legal requirements of the country in which the machine is used. If required, then make sure that suitable breakaway cables or safety chains that meets the legal requirement are connected and used.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

RUNNING GEAR - METAL CANOPY

FIXED HEIGHT - UNBRAKED



FIXED HEIGHT - BRAKED



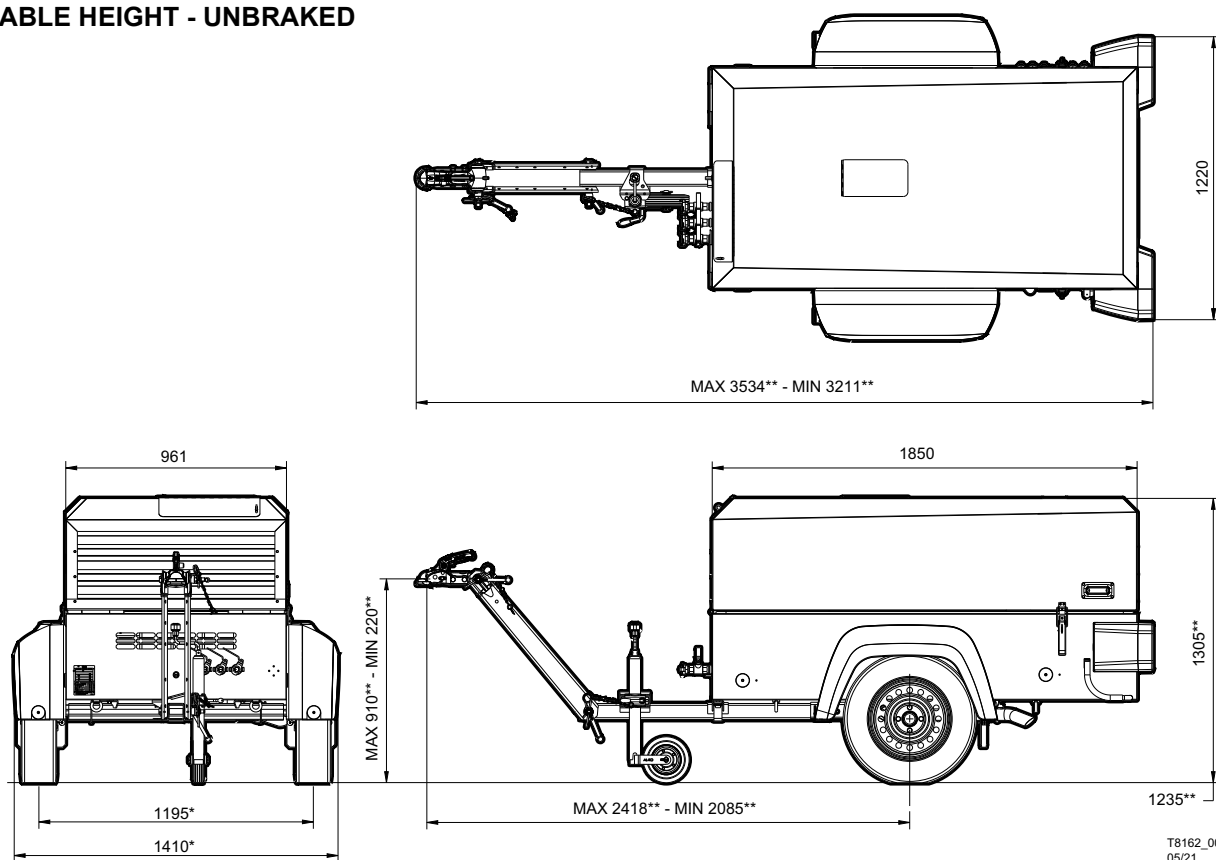
All dimensions in mm.

Dimensions marked * are subjected to A ± 10 mm tolerance

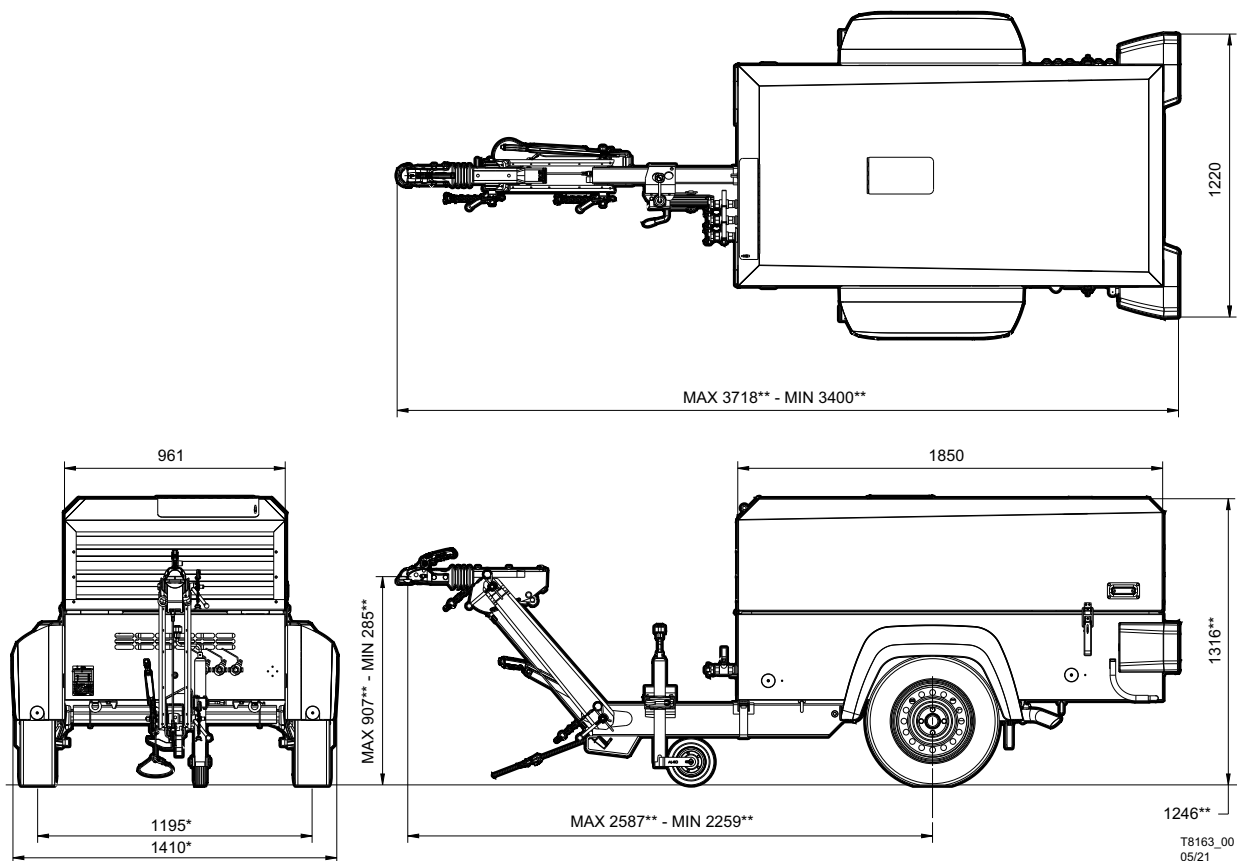
Dimensions marked ** are subjected to A ± 40 mm tolerance

12 GENERAL INFORMATION

VARIABLE HEIGHT - UNBRAKED



VARIABLE HEIGHT - BRAKED



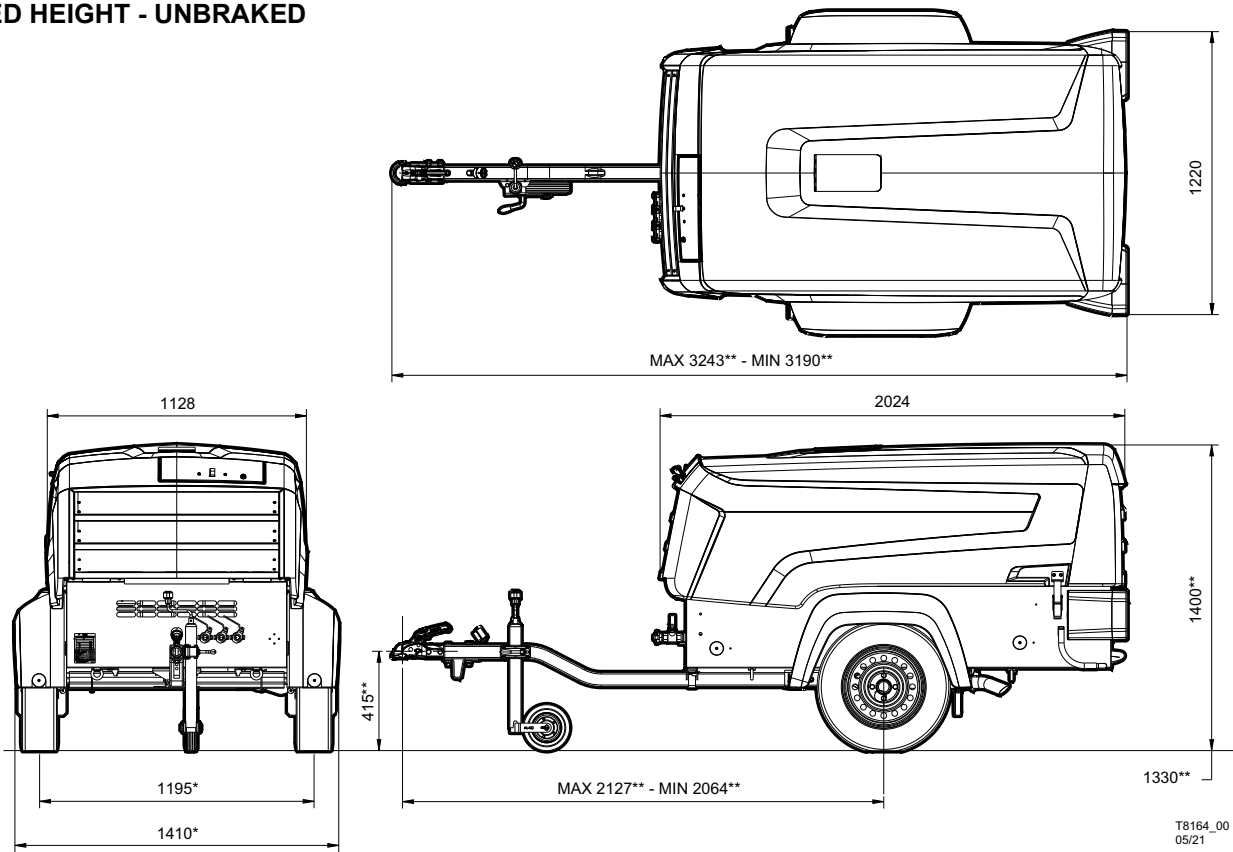
All dimensions in mm.

Dimensions marked * are subjected to $A \pm 10$ mm tolerance

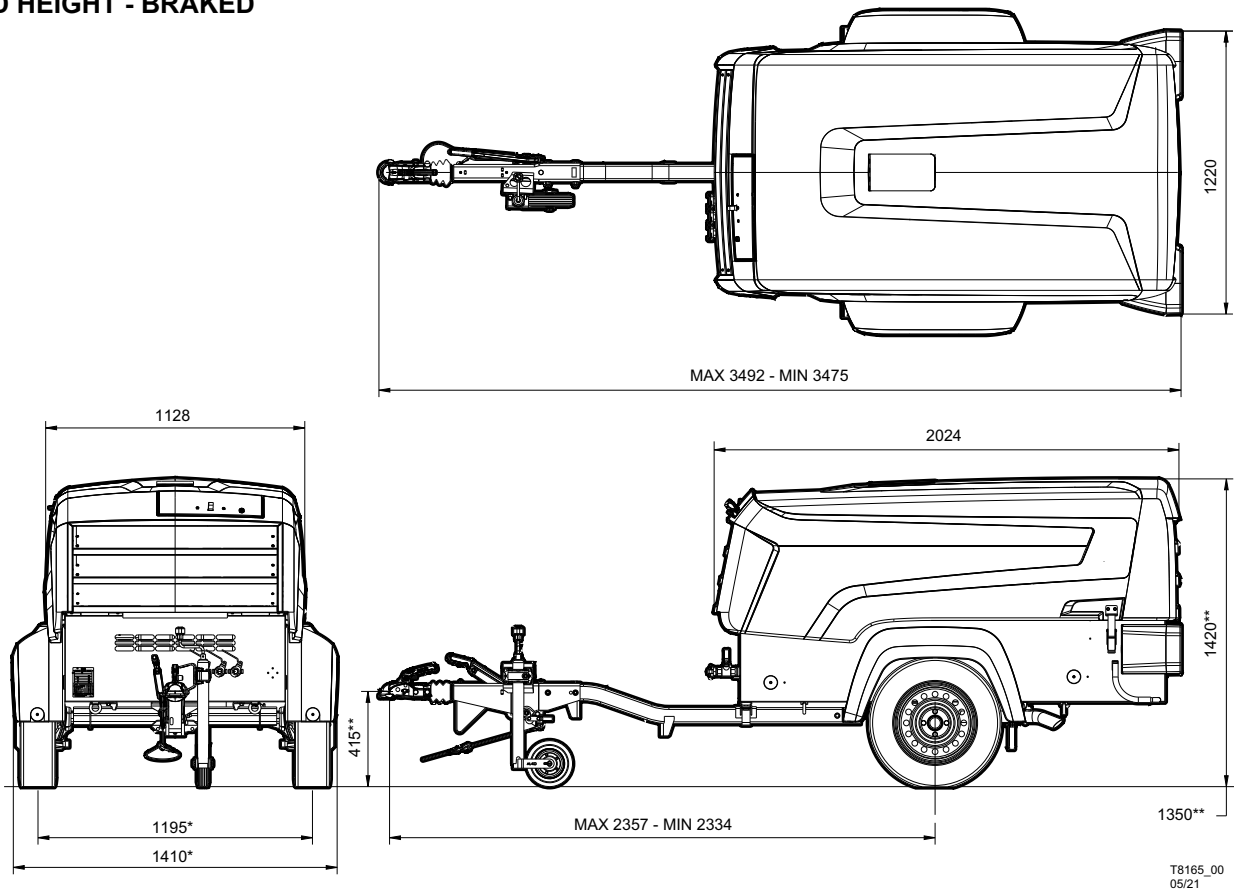
Dimensions marked ** are subjected to $A \pm 40$ mm tolerance

RUNNING GEAR - POLYMER CANOPY

FIXED HEIGHT - UNBRAKED



FIXED HEIGHT - BRAKED

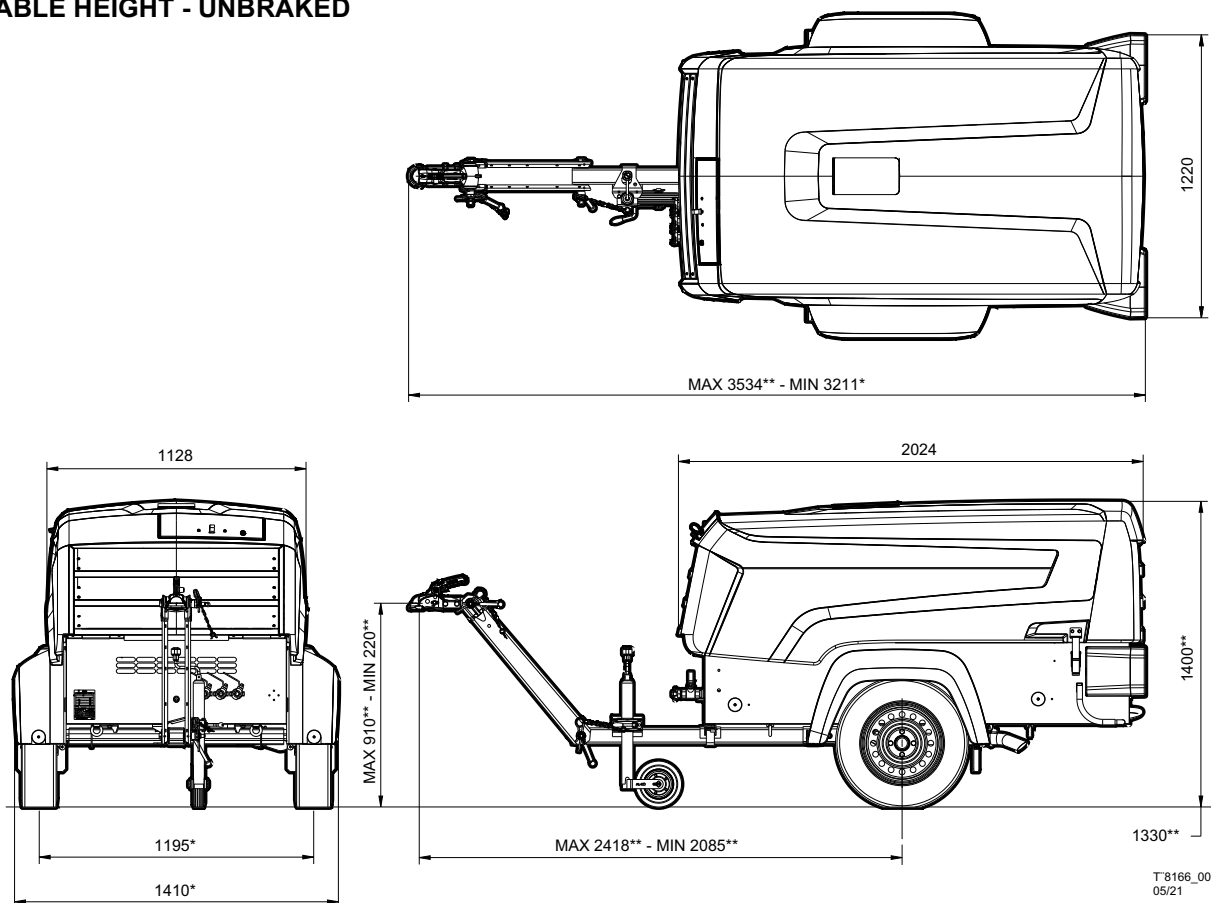


All dimensions in mm.

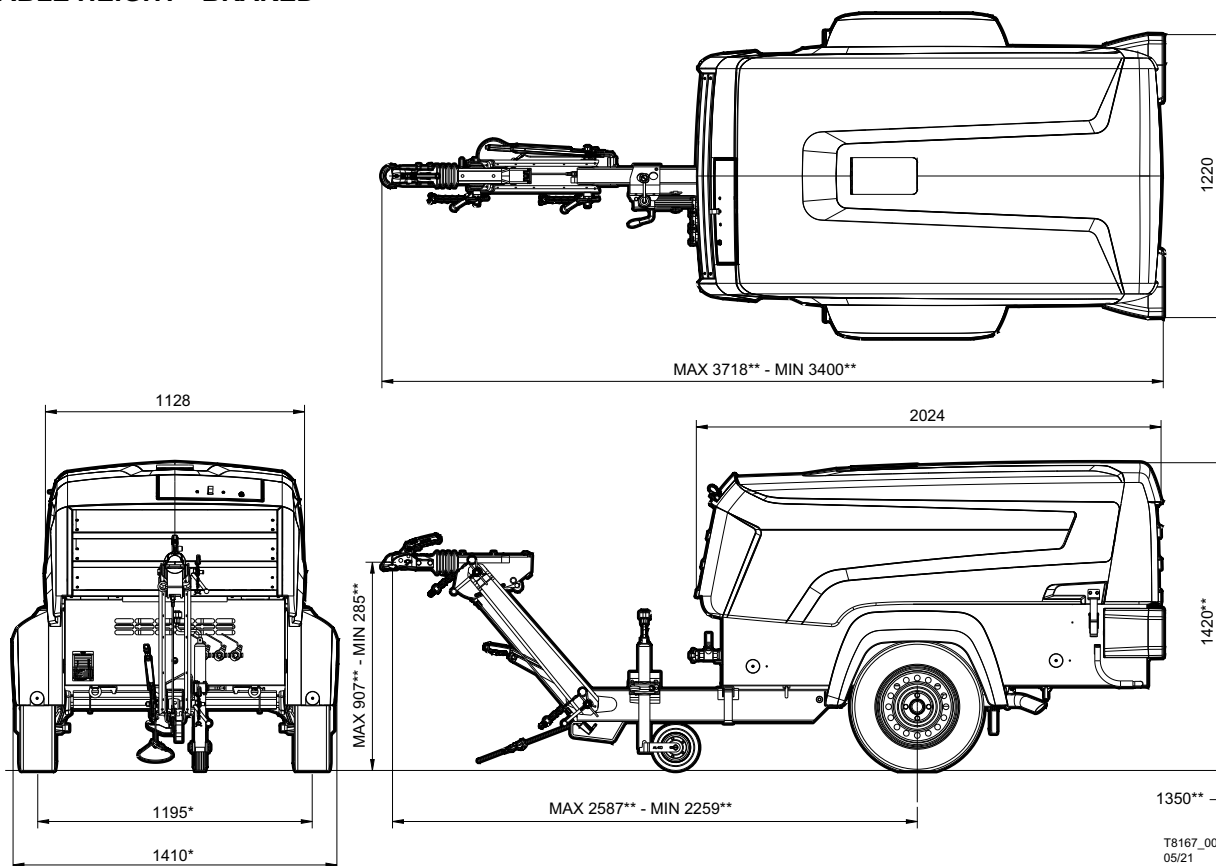
Dimensions marked * are subjected to A ± 10 mm tolerance

Dimensions marked ** are subjected to A ± 40 mm tolerance

VARIABLE HEIGHT - UNBRAKED



VARIABLE HEIGHT - BRAKED



All dimensions in mm.

Dimensions marked * are subjected to A ± 10 mm tolerance

Dimensions marked ** are subjected to A ± 40 mm tolerance

WHEELS AND TYRES

Number of wheels.	2 x 4 ¹ / ₂ J x 13 2 x 4 J x 13
Tyre size.	155 R13C 155/80 R13
Tyre pressure.	2,4 bar (35 PSI - 750kg (01 CAT)) 2,4 bar (35 PSI) - 950kg (02 CAT))

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

16 MAINTENANCE

	Daily	Weekly	Monthly	6 Monthly. 500 hrs	1 Year. 1000 hrs	2 years 2000 hrs
Wheels (bearings, seals, etc.)				C		
Lights (brake, running & turn)	CBT					
Pintle Eye Bolts	CBT					
Brakes	C					
Brake Linkage	C					

C = Check and act if required

T = Test

D = Drain

R = Replace

R/WI = Replace or when indicated earlier

CBT = Check before towing

C/R = Check and replace if required

G/C = Grease and check

C/A = Check and adjust if required

ROUTINE MAINTENANCE

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

The *SERVICE/MAINTENANCE CHART* 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 depressurised 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 airend discharge temperature switch
- High coolant temperature switch
- Alternator/drive belt failure circuit.

LOW ENGINE OIL PRESSURE SWITCH

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

- Start the machine.

NOTE: Do not press the load button.

- 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 1,0 bar.
- 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 AIREND DISCHARGE TEMPERATURE SWITCH(ES)

At twelve month intervals, test the high airend 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. Refit the switch.

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 *SERVICE/MAINTENANCE CHART* for frequency) and re-tightened where necessary. Refer to the *TORQUE SETTING TABLE* later in this section.

RUNNING GEAR SAFETY INSTRUCTIONS



Important!

An AL-KO axle may not be welded.



Important!

Type information may not be rendered illegible due to painting or being covered by components.



Important!

Risk of accident due to rolling trailer. Secure the trailer using chocks!



Important!

Undetected bearing damage can progress to the point that the bearing is completely destroyed and this will lead to the wheel running off the axle. If you suspect bearing damage, see your specialist service centre. Trailers should only be operated in perfect condition.



Important!

Not all compact bearings are water-tight!



Water-tight compact bearings can be identified by the dust cap (symbol) or by the ETI number on the type plate.



dust cap (symbol) or by the ETI number on the type plate. Information for the mounting and installation of other components can be found in the manufacturer documentation.

- All maintenance and repair work should only be performed by trained personnel or AL-KO Service. See an AL-KO-licensed service centre for all faults and driving noises.



To avoid white rust formation (defective appearance):

- ensure sufficient air circulation when storing
- After winter journeys, wash the hot dip galvanised components with clean water.



Important!

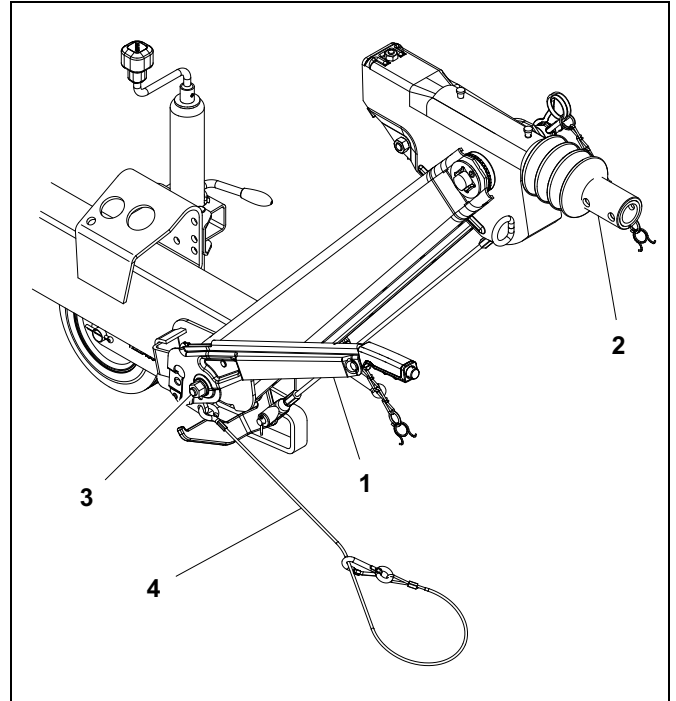
Replacement parts are safety parts!

- For the installation of replacement parts into our products, we recommend the use of original AL-KO parts, or parts that we have expressly approved for installation.
- For the clear identification of replacement parts our service stations require the replacement part identification number (ETI).

BRAKES

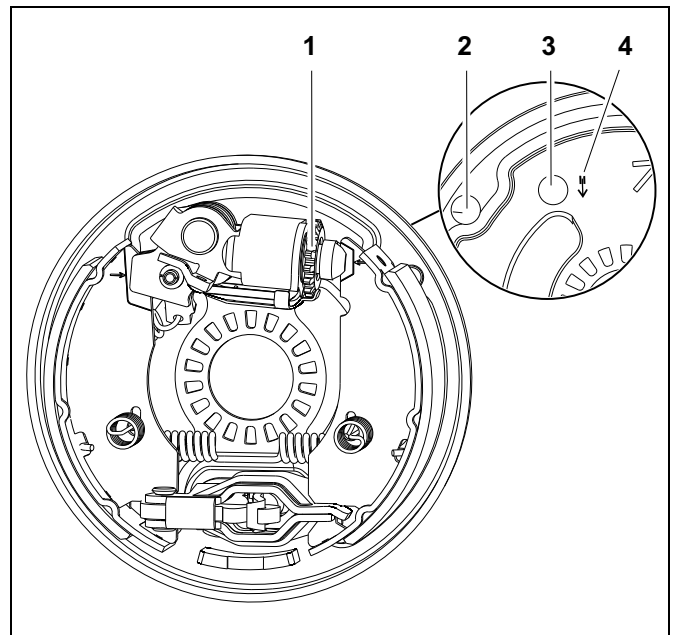
Check and adjust the brake linkage at 500 miles (850Km) then every 3000 miles (5000Km) or 3 months (whichever is the sooner) to compensate for any stretch of the adjustable cables. Check and adjust the wheel brakes to compensate for wear.

Adjusting the overrun braking system



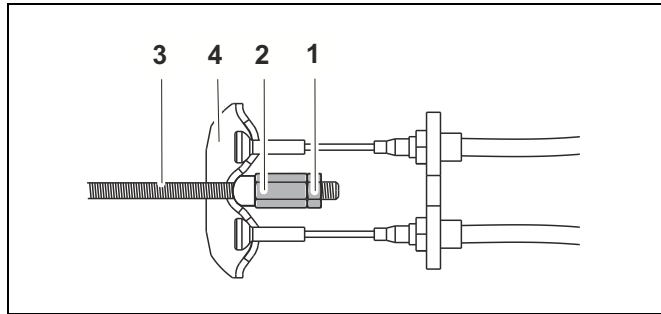
1. Handbrake lever
2. Draw bar and bellows
3. Handbrake lever pivot
4. Breakaway Cable

Wheel brake overview

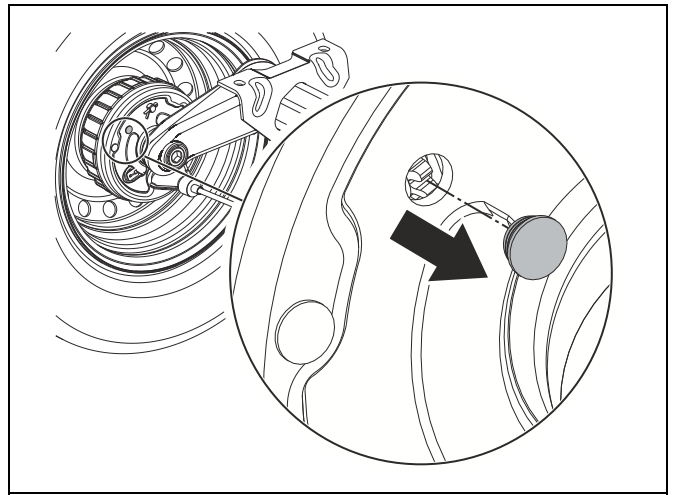


1. Adjusting nut
2. Plug (lining inspection opening)
3. Plug (adjusting nut)
4. Direction of rotation arrow

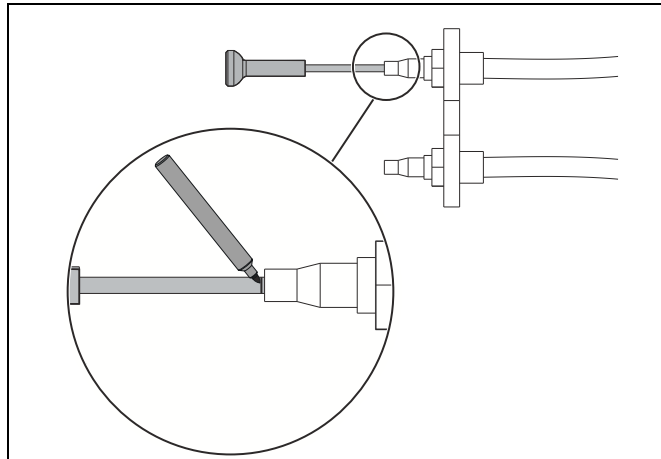
Readjusting the brake system



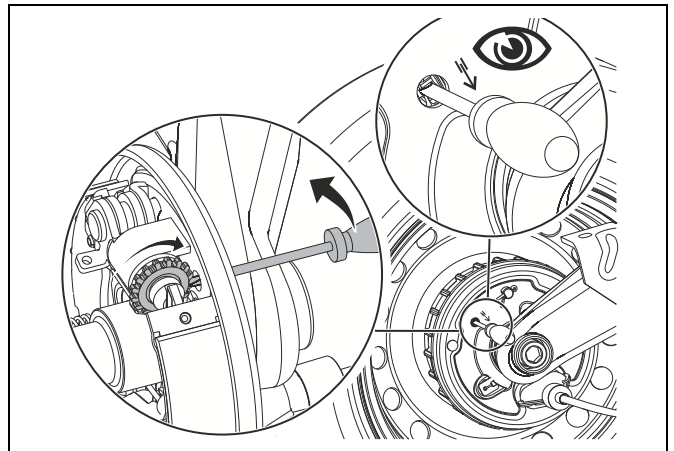
1. Raise the vehicle.
2. Pull out the overrun device's drawbar tube fully towards the front.
3. Release handbrake lever completely.
4. Loosen the lock nut (1) and long nut (2) on the pull bar (3) and remove the Bowden cables from the compensation profile (4).



7. Remove the plug.

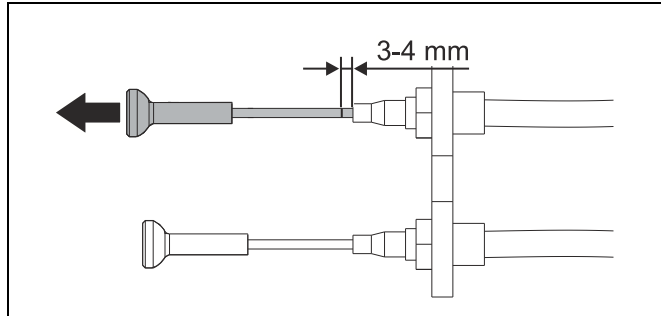


5. Mark Bowden cable rope with a pen.

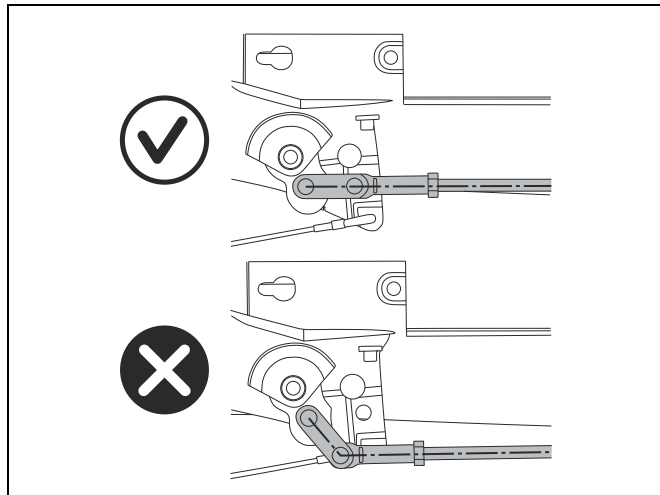


Do not turn the trailer wheel backwards during readjustment, otherwise the automatic reverse is activated.

8. Adjust the clearance on the adjusting nut
 - In the direction of the arrow - reduce the clearance
 - Opposite the direction of the arrow - increase the clearance

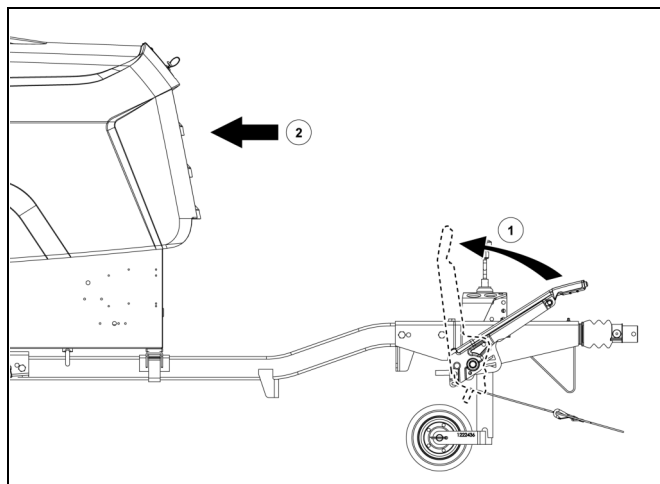


6. Check the clearance of the wheel brake on the Bowden cables.
 With a correctly adjusted brake system, the clearance must be 3 - 4 mm.
 - If the clearance must be readjusted, carry out steps 7 - 15.
 - If the clearance does not need to be readjusted, carry out steps 9 - 15.



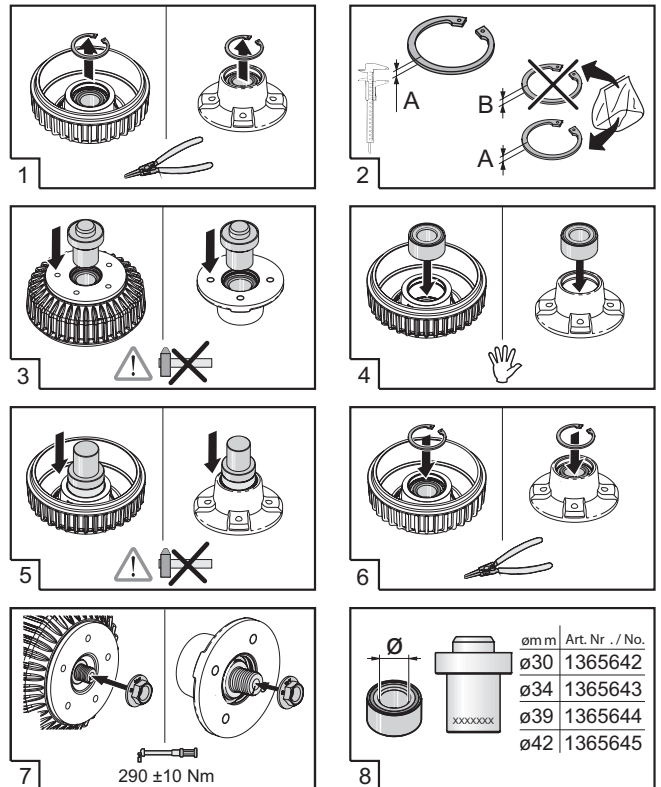
9. Hook the Bowden cables into the compensation profile.
 10. Tighten the long nut again until the pull bar is connected to the Bowden cables and the compensation profile without clearance.
- The pull bar must be stretched.**
11. Operate the handbrake lever vigorously 3 times and release it (only necessary when installing new parts).
 12. Check the clearance again and readjust if necessary.
 13. Check that the trailer wheels run freely.
 14. Lock the long nut with the nut and tighten with torque.
 - M10 = 24 Nm
 - M12 = 40 Nm
 15. Insert the plug again.

Applying the Handbrake



1. Apply the handbrake.
2. Push the machine to ensure the handbrake has been applied correctly.

RUNNING GEAR WHEEL BEARINGS REPLACEMENT



Assembly

1. Remove lock ring with circlip spanner
2. Measure the old lock ring, then use the new ring with the same thickness
3. Press out compact bearing with AL-KO assembly plunger
4. Inspect bearing seat for dirt or damage, employ the bearing
5. Insert bearing with AL-KO assembly plunger
 - Apply pressure to outer bearing ring only
 - Apply pressure in vertical direction only
6. Insert lock ring
7. Use new flange nut for assembling brake drum/hub, tighten to 290 ± 10 Nm

NOTE: Only use original AL-KO replacement parts

The bearing should only be replaced once










Do not use force

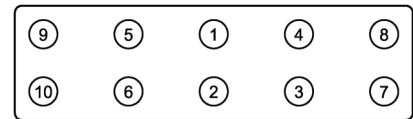
Replacement of the wheel bearing should be carried out by authorized service associates

Play in the bearing can be adjusted with the nut

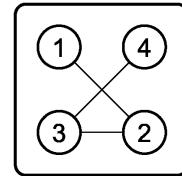
Wheel bearings should be packed with grease every 6 months. The type of grease used should conform to specification MIL-G-10924.

TORQUE SETTING TABLE

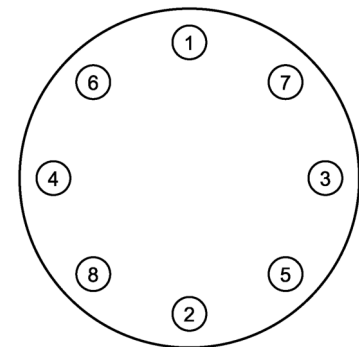
METRIC FASTENERS						
CAPSCREW OR NUT THREAD SIZE AND PITCH	NOMINAL DESIGN TORQUE					
	PROPERTY GRADE 8.8 (HEAD MARKING)		PROPERTY GRADE 10.9 (HEAD MARKING)		PROPERTY GRADE 12.9 (HEAD MARKING)	
						
						
						
	(Nm.)	(FT-LBF)	(Nm.)	(FT-LBF)	(Nm.)	(FT-LBF)
M6 X 1.0	11	8	15	11	18	13
M8 X 1.25	26	19	36	27	43	31
M10 X 1.5	52	38	72	53	84	62
M12 X 1.75	91	67	126	93	147	109
M14 X 2	145	107	200	148	234	173
M16 X 2	226	166	313	231	365	270
M20 X 2.5	441	325	610	450	713	526



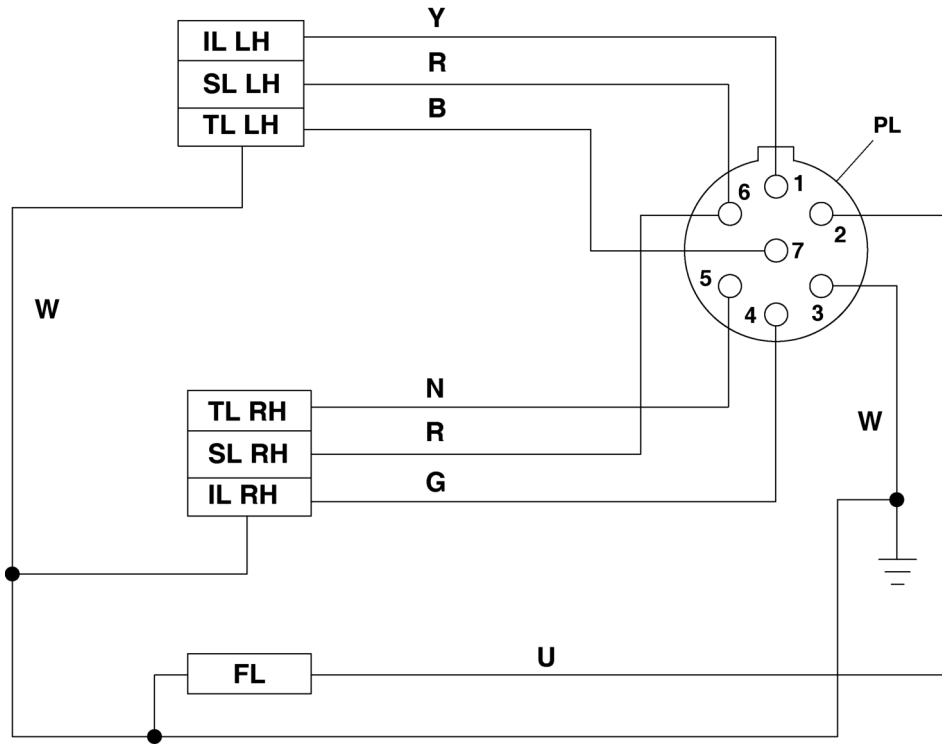
TYPICAL RECTANGULAR TORQUE PATTERN



TYPICAL SQUARE TORQUE PATTERN



TYPICAL CIRCULAR TORQUE PATTERN

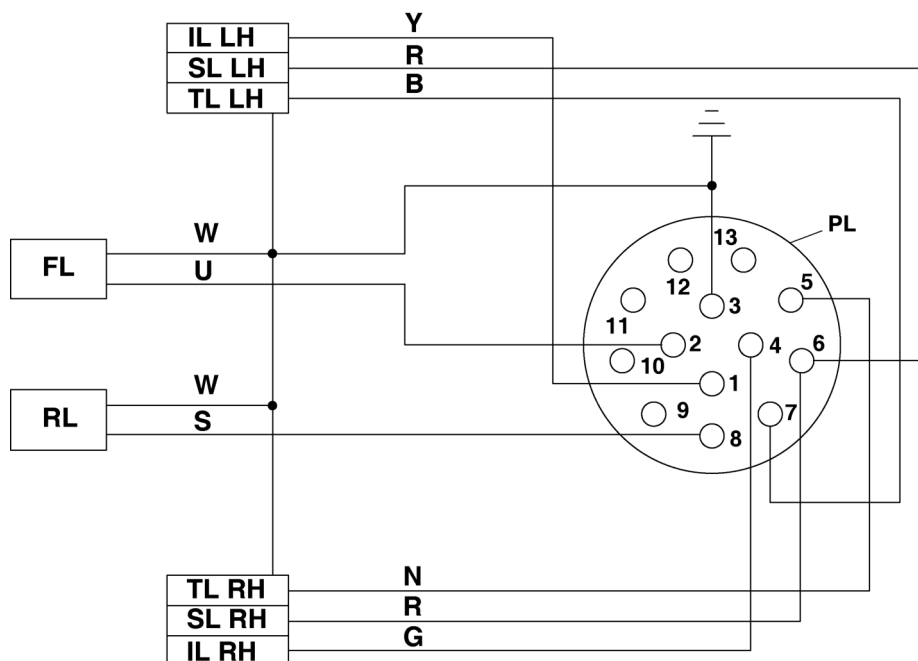


T2404
Revision 00
09/08

KEY

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

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, sub-assemblies 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.

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.

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

Facility:

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

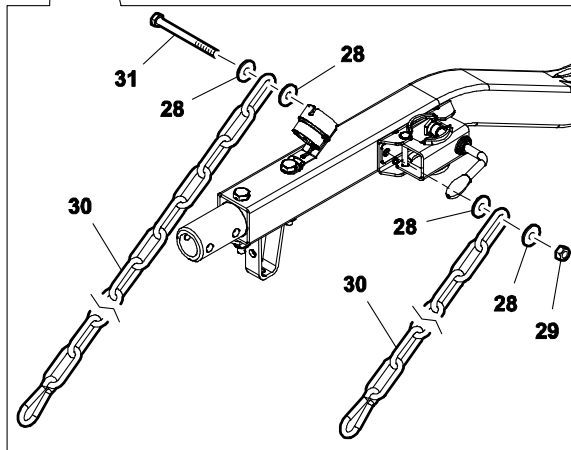
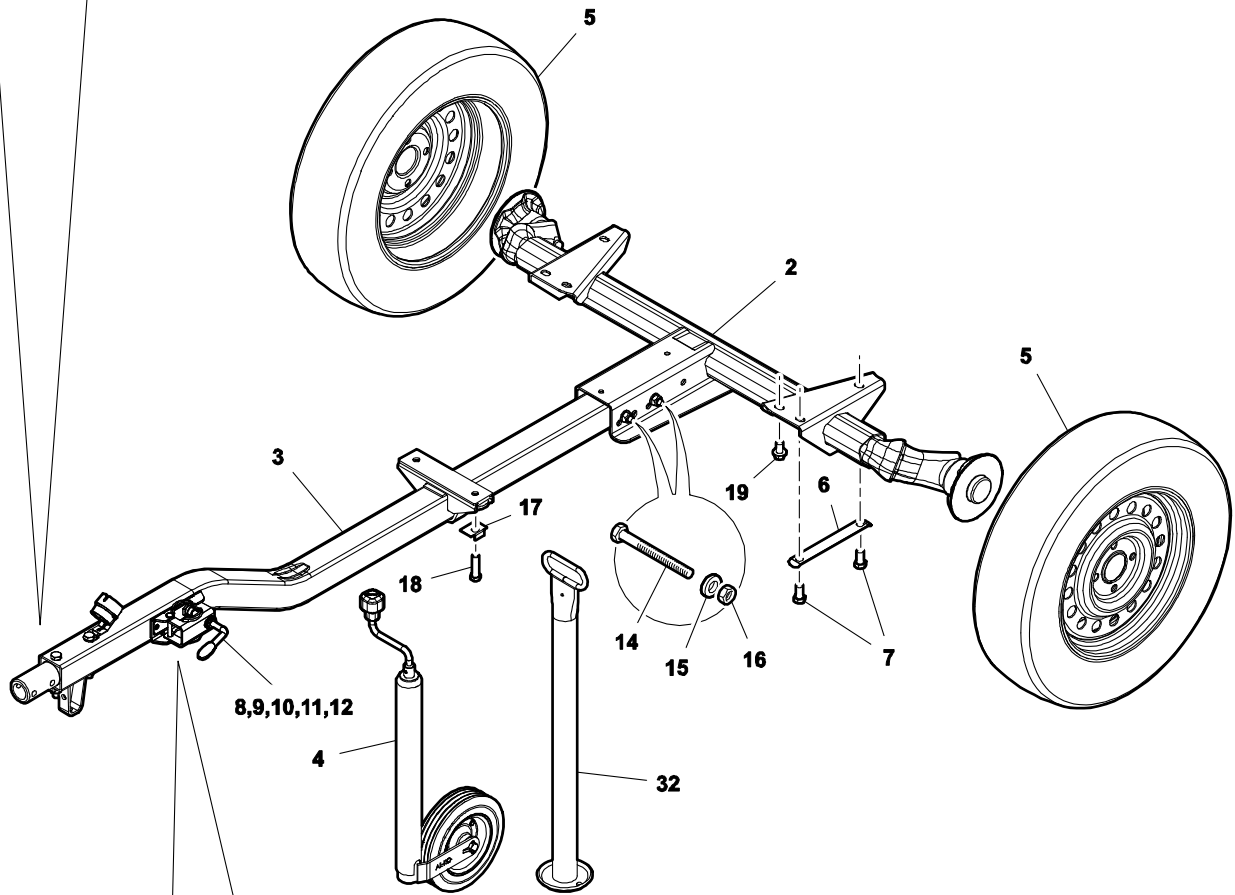
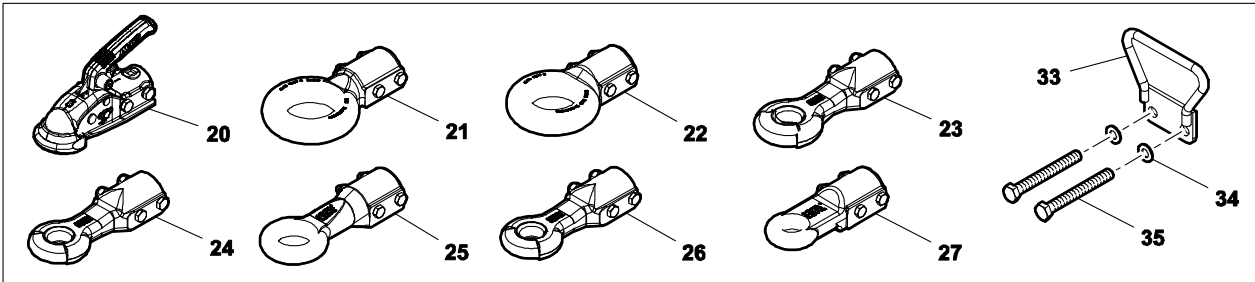
U Kodetky 1810, 263 12 Dobris,

Czech Republic

Website:

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

RUNNING GEAR
(Fixed Height - Unbraked)
(750 kg)

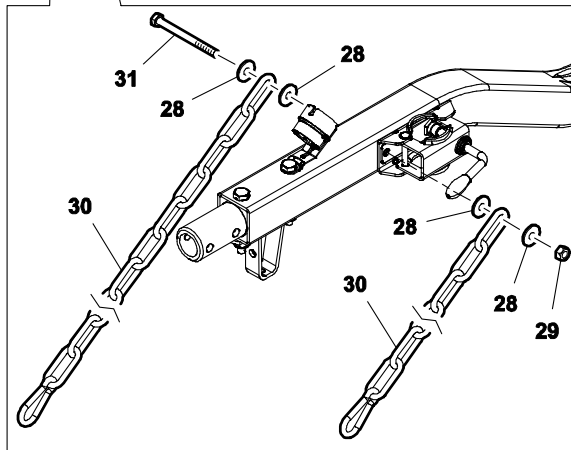
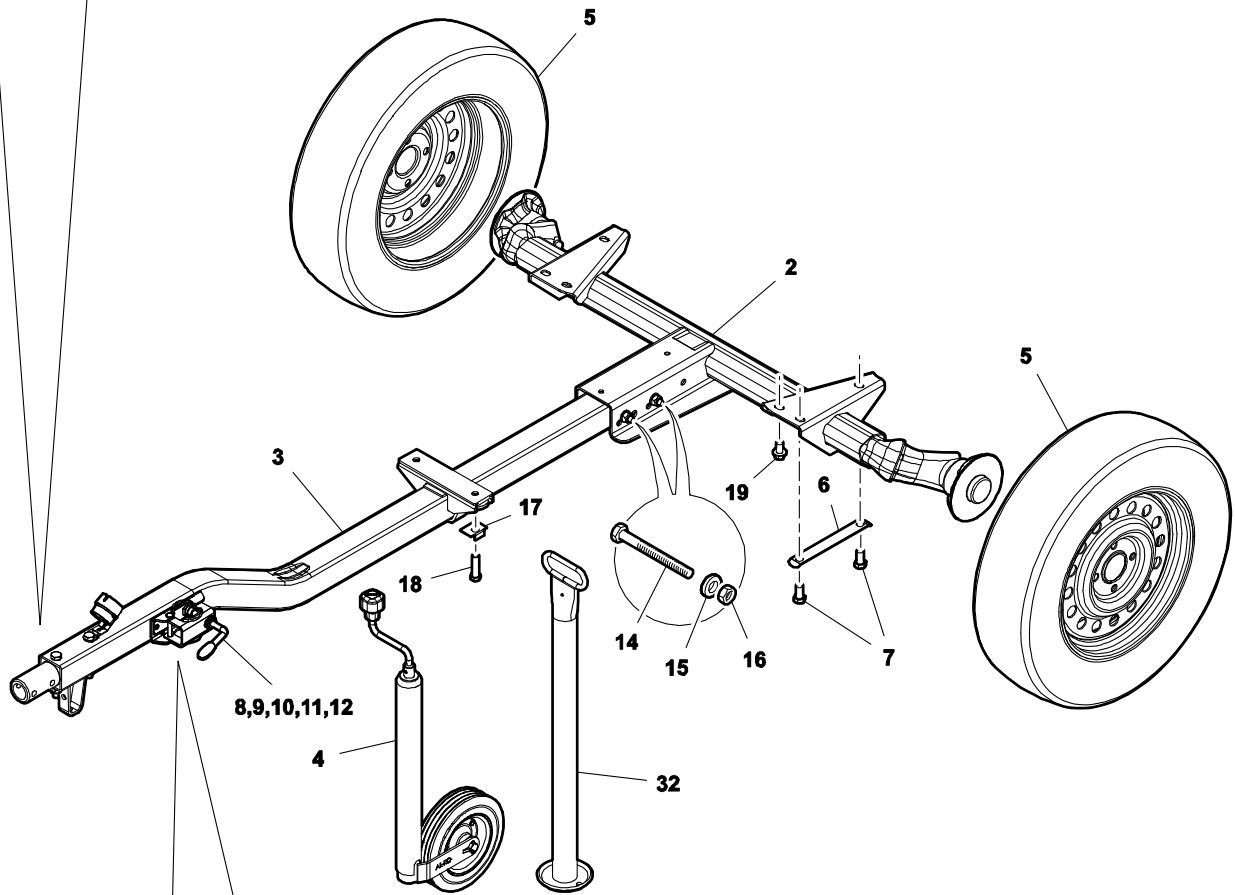
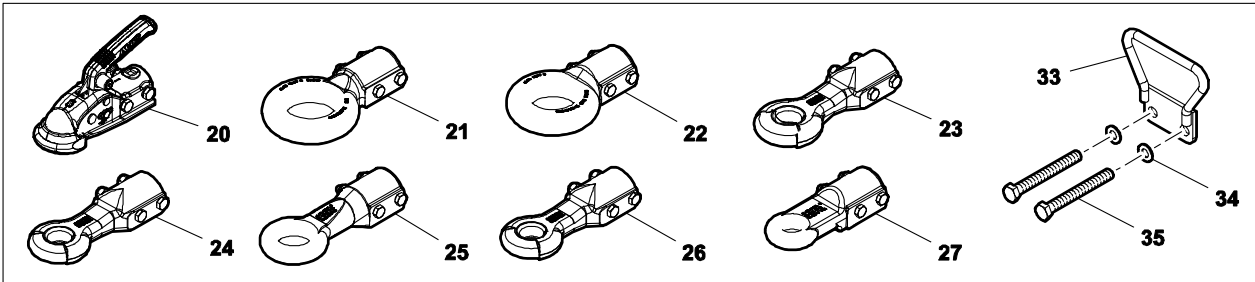


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**RUNNING GEAR
(Fixed Height - Unbraked)
(750 kg)**

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46820446	RUNNING GEAR ASSEMBLY	fixed height unbraked		1
2	46831347	AXLE ASSEMBLY	unbraked		1
2	46844253	AXLE			1
3	46831349	DRAWBAR ASSEMBLY			1
4	46831351	JOCKEY WHEEL ASSEMBLY			1
5	46702284	WHEEL AND TYRE ASSEMBLY	4 1/2J x 13 74M (silver)		2
5	46873344	WHEEL AND TYRE ASSEMBLY	4 1/2J x 13 74M (orange)		2
6	46820945	WASHER, AXLE			2
7	96701495	SCREW	(M12 x 25)		4
8	46844284	CLAMP ASSEMBLY			1
9	46844341	PLATE			1
10	46844258	BOLT			2
11	46844326	NUT	M10 DIN 985-10		2
12	46844371	WASHER			2
13	46844313	KIT, CONNECTING	W/Ref. 14-16		1
14	46844259	BOLT			2
15	46844372	WASHER	A 13 DIN 125-ST		2
16	46844327	NUT	M12 DIN 985-10		2
17	54762901	WASHER			2
18	92398619	SCREW	(M12 x 45)		2
19	92176114	SCREW	(M12 x 20)		2
20	46831352	HITCH, BALL	50mm with fasteners		1
21	46831353	EYE, DRAWBAR	NATO Ø76 with fasteners		1
22	46831354	EYE, DRAWBAR	(FR) Ø68 with fasteners		1
23	46831355	EYE, DRAWBAR	(IT) Ø45 with fasteners		1
24	46831356	EYE, DRAWBAR	Ø40 with fasteners		1
25	46831357	EYE, DRAWBAR	(UK) Ø50 with fasteners		1
26	46831358	EYE, DRAWBAR	(UK) Ø40 with fasteners		1
27	46831359	EYE, DRAWBAR	(UK) Ø30 with fasteners		1
28	96711825	WASHER	(optional)		4
29	92304567	NUT	(optional) - (M10)		1

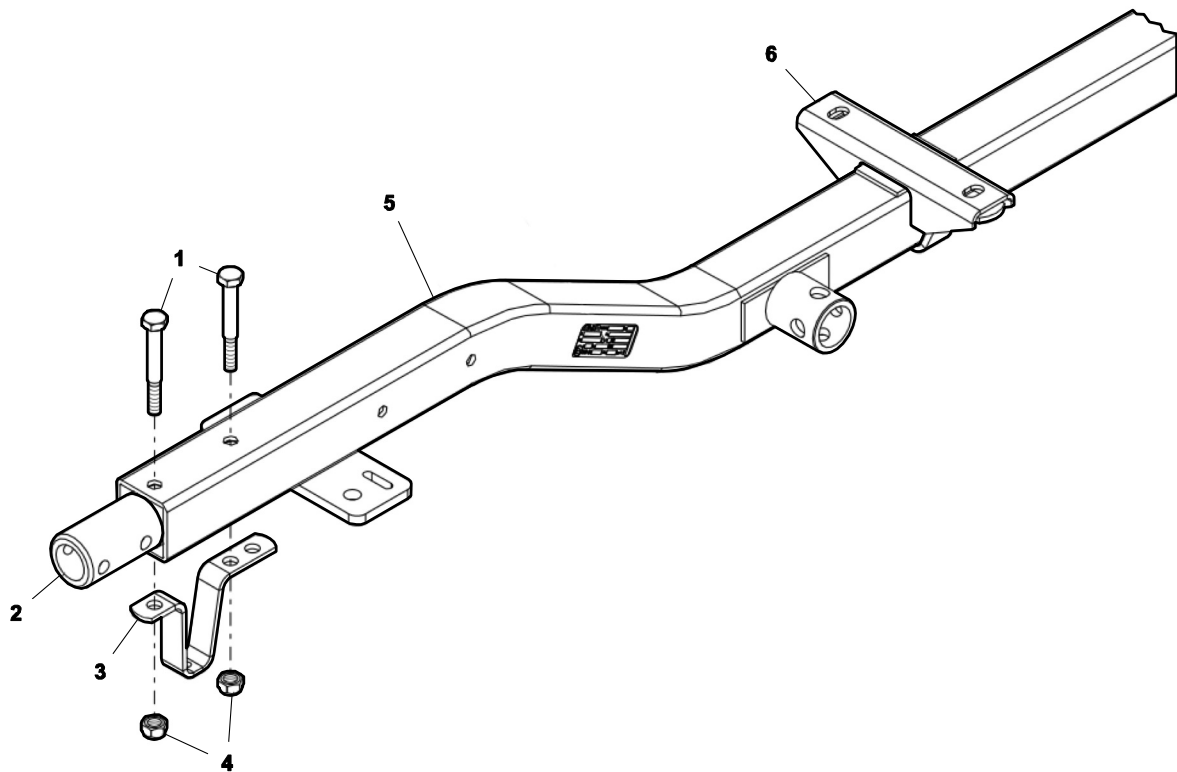
RUNNING GEAR (CONT'D)
(Fixed Height - Unbraked)
(750 kg)



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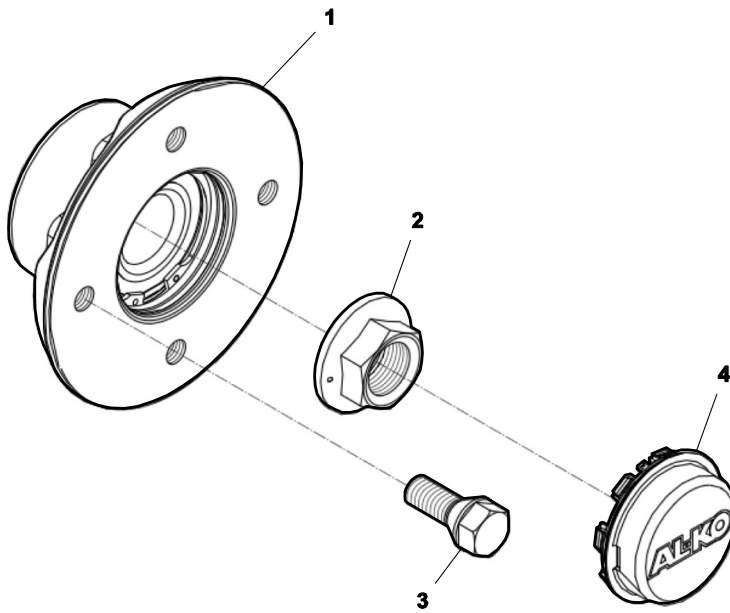
RUNNING GEAR (CONT'D) (Fixed Height - Unbraked) (750 kg)					
Item	Part Number	Description	Remarks	Serial Number	Qty
30	46841655	CHAIN	(optional)		2
31	96705033	SCREW	(optional) - (M10 x 110)		1
32	22053755	STAND, PROP	(prop stand option only)		1
33	46864556	HANDLE, TOWING BAR	(unbraked towing bar option only)		1
34	92061506	WASHER	(unbraked towing bar option only) - (M12)		2
35	46864214	SCREW	(unbraked towing bar option only) - (M12 x 100)		2

RUNNING GEAR
(Fixed Height - Unbraked)
(Drawbar)



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07/23
RMI

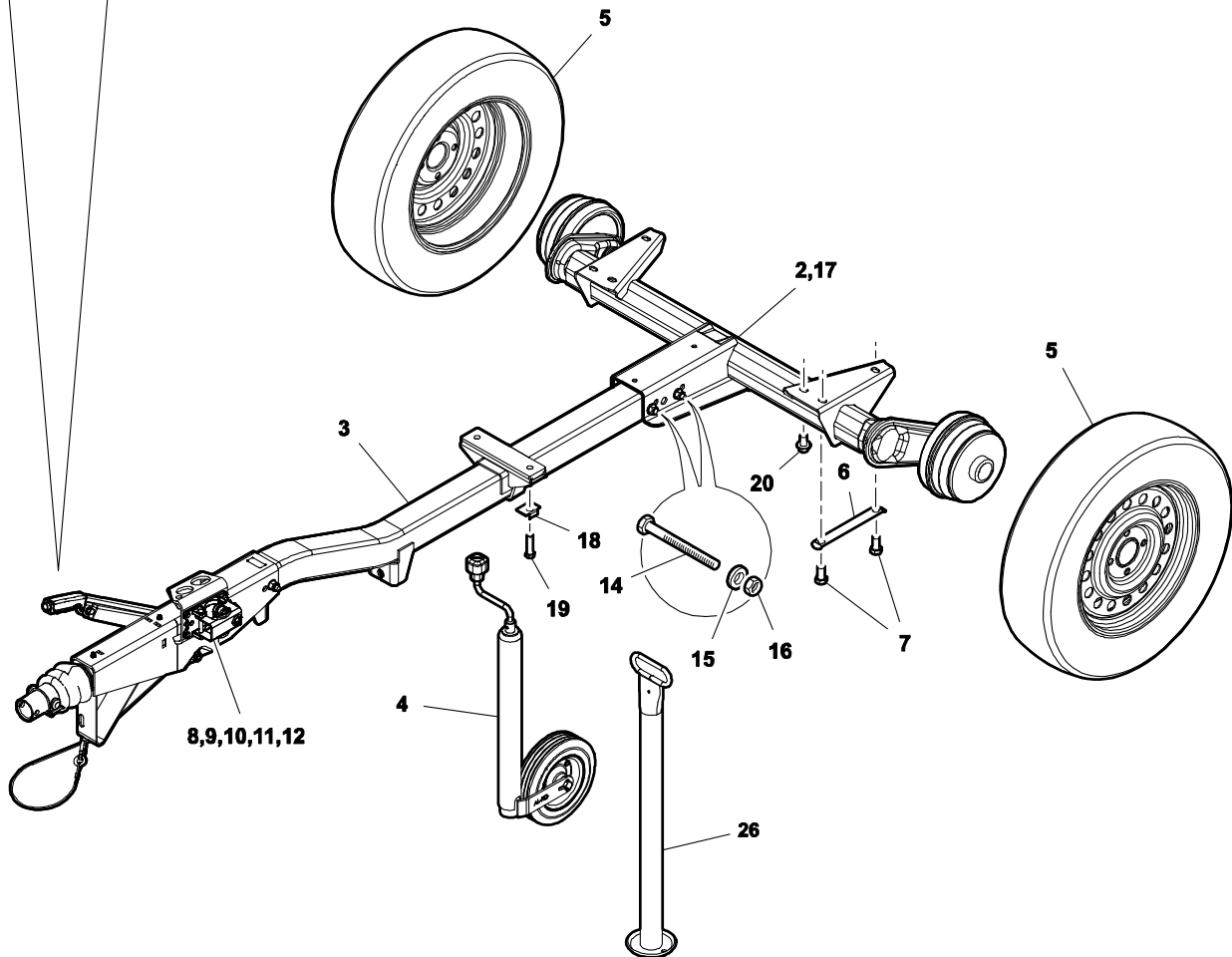
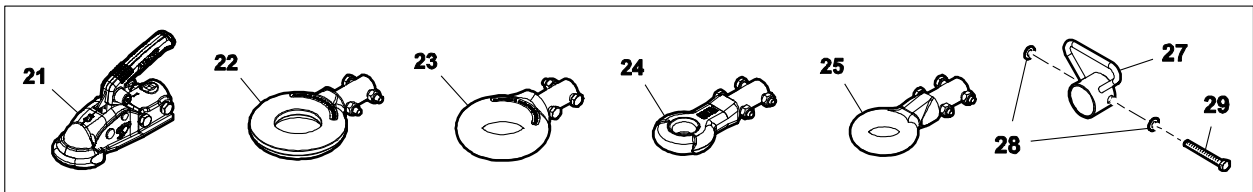
**RUNNING GEAR
(Fixed Height - Unbraked)
(Hub)**



B8183_00
07/23
RMI

RUNNING GEAR (Fixed Height - Unbraked) (Hub)					
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46844311	HUB COMPLETE	375 kg 100 x 4		1
1	46844314	KIT, HUB SERVICE			1
2	93171023	NUT, FLANGE			1
3	93171304	BOLT, WHEEL	conical 60° M12 x 1,5 x 24		4
4	46844282	CAP, END			1

**RUNNING GEAR
(Fixed Height - Braked)
(950 kg)**

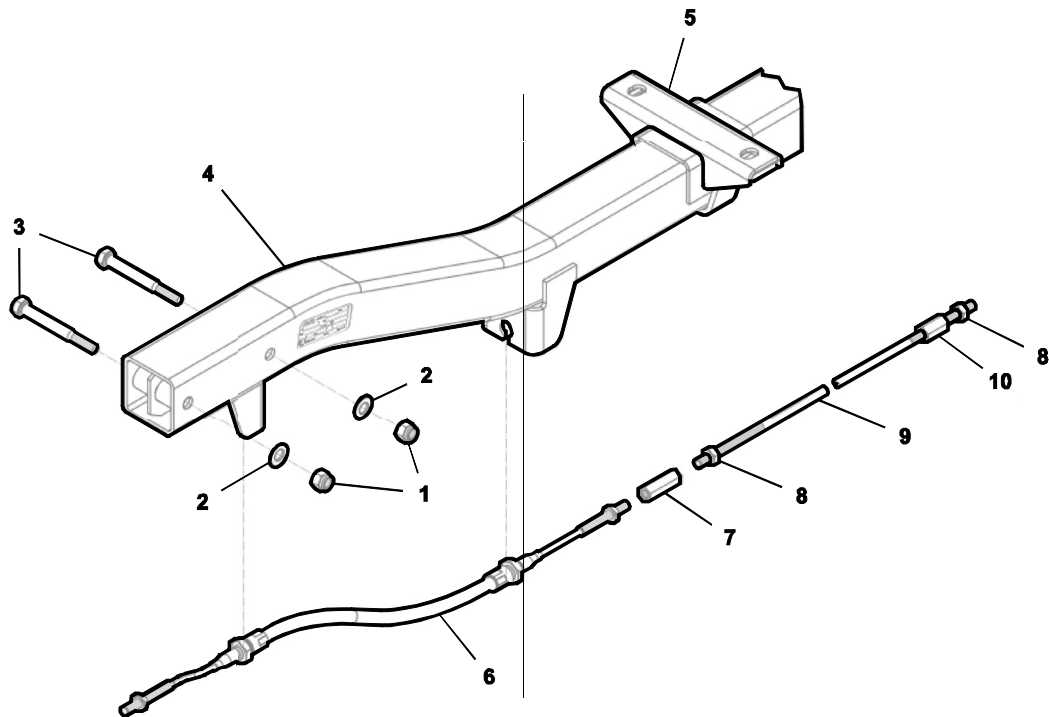


B8181_00
08/23
RMI

**RUNNING GEAR
(Fixed Height - Braked)
(950 kg)**

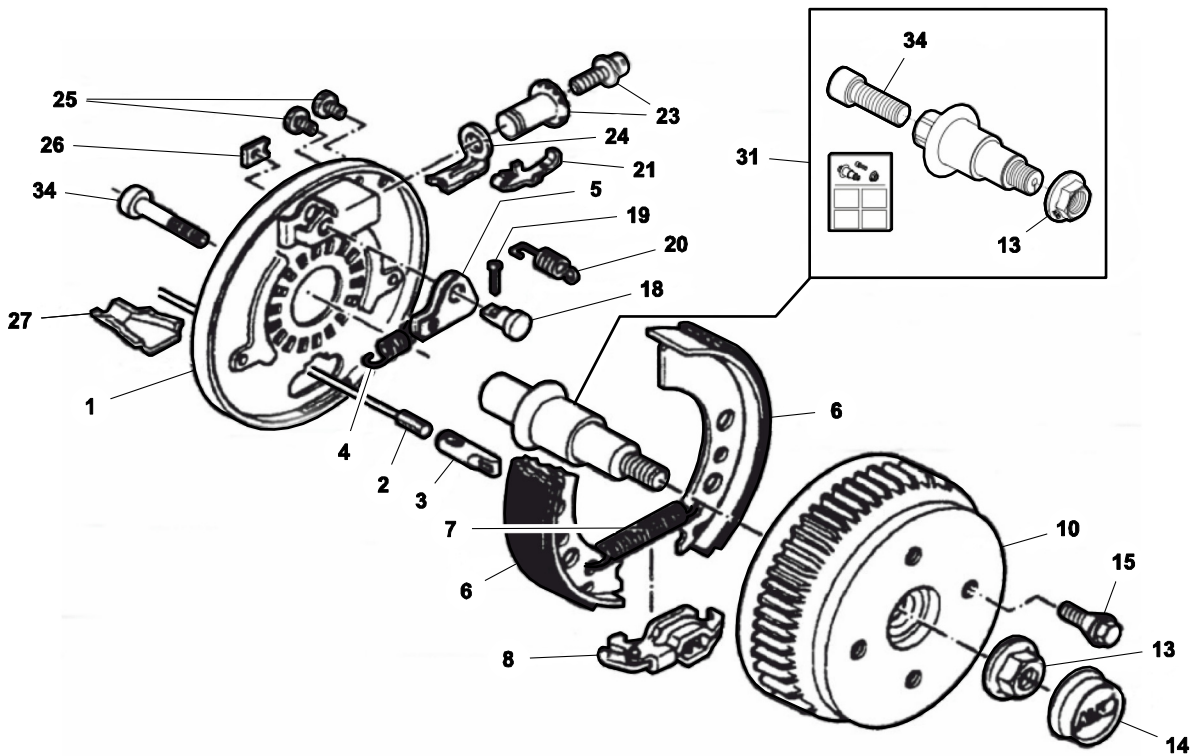
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46826709	RUNNING GEAR ASSEMBLY	fixed height braked		1
2	46832529	AXLE ASSEMBLY	W/Ref. 17 - braked		1
2	46844254	AXLE			1
3	46832528	DRAWBAR ASSEMBLY			1
4	46831351	JOCKEY WHEEL ASSEMBLY			1
5	46826568	WHEEL AND TYRE ASSEMBLY	4.5J x 13 82M (silver)		2
5	46873342	WHEEL AND TYRE ASSEMBLY	4.5J x 13 82M (orange)		2
6	46820945	WASHER, AXLE			2
7	96701495	SCREW	(M12 x 25)		4
8	46844284	CLAMP ASSEMBLY			1
9	46844341	PLATE			1
10	46844358	SETSCREW			2
11	46844326	NUT	M10 DIN 985-10		2
12	46844371	WASHER			2
13	46844313	KIT, CONNECTING	W/Ref. 14-16		1
14	46844259	BOLT			2
15	46844372	WASHER	A 13 DIN 125-ST		2
16	46844327	NUT	M12 DIN 985-10		2
17	46844255	BAR, BALANCE			1
18	54762901	WASHER			2
19	92398619	SCREW	(M12 x 45)		2
20	92176114	SCREW	(M12 x 20)		2
21	46831352	HITCH, BALL	50mm with fasteners		1
22	46832533	EYE, DRAWBAR	NATO Ø76 with fasteners		1
23	46832535	HITCH, EYE	(FR) Ø68 with fasteners		1
24	46832532	EYE, DRAWBAR	Ø40 with fasteners		1
25	46832537	EYE, DRAWBAR	(UK) Ø50 with fasteners		1
26	22053755	STAND, PROP	(prop stand option only)		1
27	46863918	HANDLE, TOWING BAR	(braked towing bar option only)		1
28	92061506	WASHER	(braked towing bar option only) - (M12)		2
29	96740782	SCREW	(M12 x 80)		1

**RUNNING GEAR
(Fixed Height - Braked)
(Drawbar)**



B8185_00
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RUNNING GEAR (Fixed Height - Braked) (Hub)

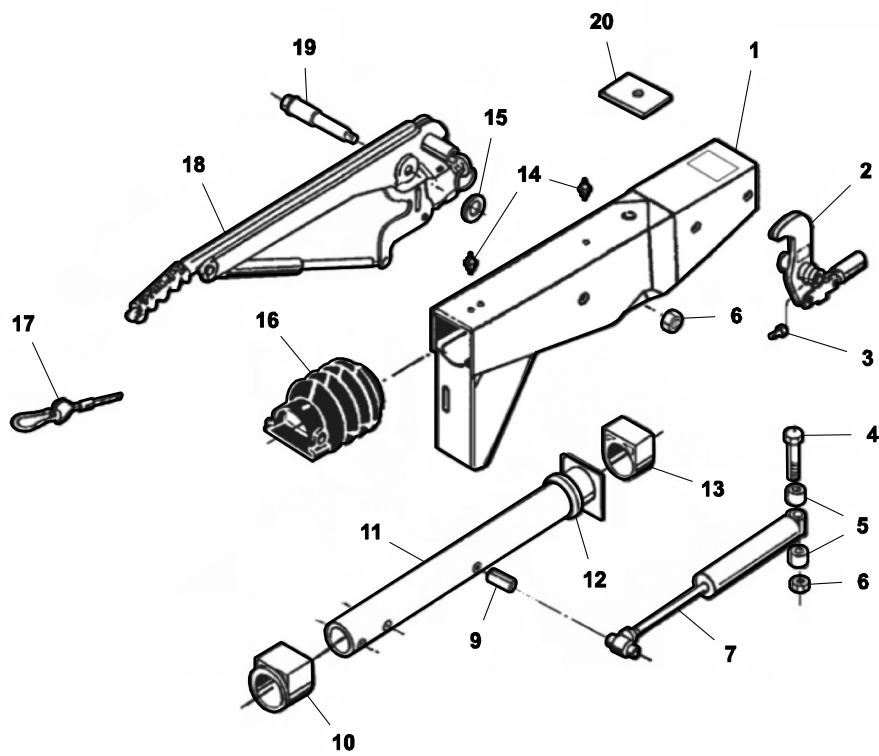


B8184_00
07/23
RMI

**RUNNING GEAR
(Fixed Height - Braked)
(Hub)**

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46844359	SHIELD, BRAKE	welded on left		1
1	46844360	SHIELD, BRAKE	welded on the right		1
2	46550573	CABLE, BOWDEN	530/726		1
3	46844308	EYE, SUSPENSION	1637/2051/2361		1
4	46844364	SPRING, TENSION	left		1
4	93170959	SPRING, TENSION	right		1
5	46844316	LEVER COMPLETE	left		1
5	46844317	LEVER COMPLETE	right		1
6	46844271	BRAKE SHOE SET	for one axle 1635/1636/1637		1
7	93171007	SPRING, TENSION			1
8	46844312	JOINT, EXPANDER			1
10	46844269	BRAKE DRUM COMPLETE	100x4		1
13	93171023	NUT, FLANGE			1
14	46844281	CAP	Ø57		1
15	93171304	BOLT, WHEEL	conical 60° M12 x 1,5 x 24		1
18	46844336	PIN, BEARING			1
19	46844338	PIN, SPLIT	4 x 20 DIN 94		1
20	46844362	SPRING, COMPRESSION			1
21	46844363	SPRING, LEAF			1
23	46844249	ADJUSTER			1
24	46844266	BRACKET			1
25	46844346	PLUG	RAL6002		2
26	46844343	PLATE, COVER			1
27	46844252	ATTACHMENT, BOWDEN CABLE			1
31	46844366	STUB AXLE AND BEARING ASSEMBLY	W/Ref.13,34 - Ø 30 0° M22		1
34	46844353	SCREW	M22 x 60 DIN 912		1

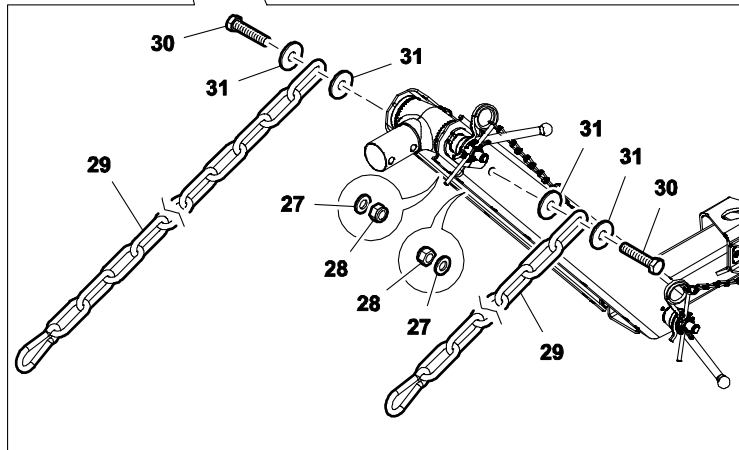
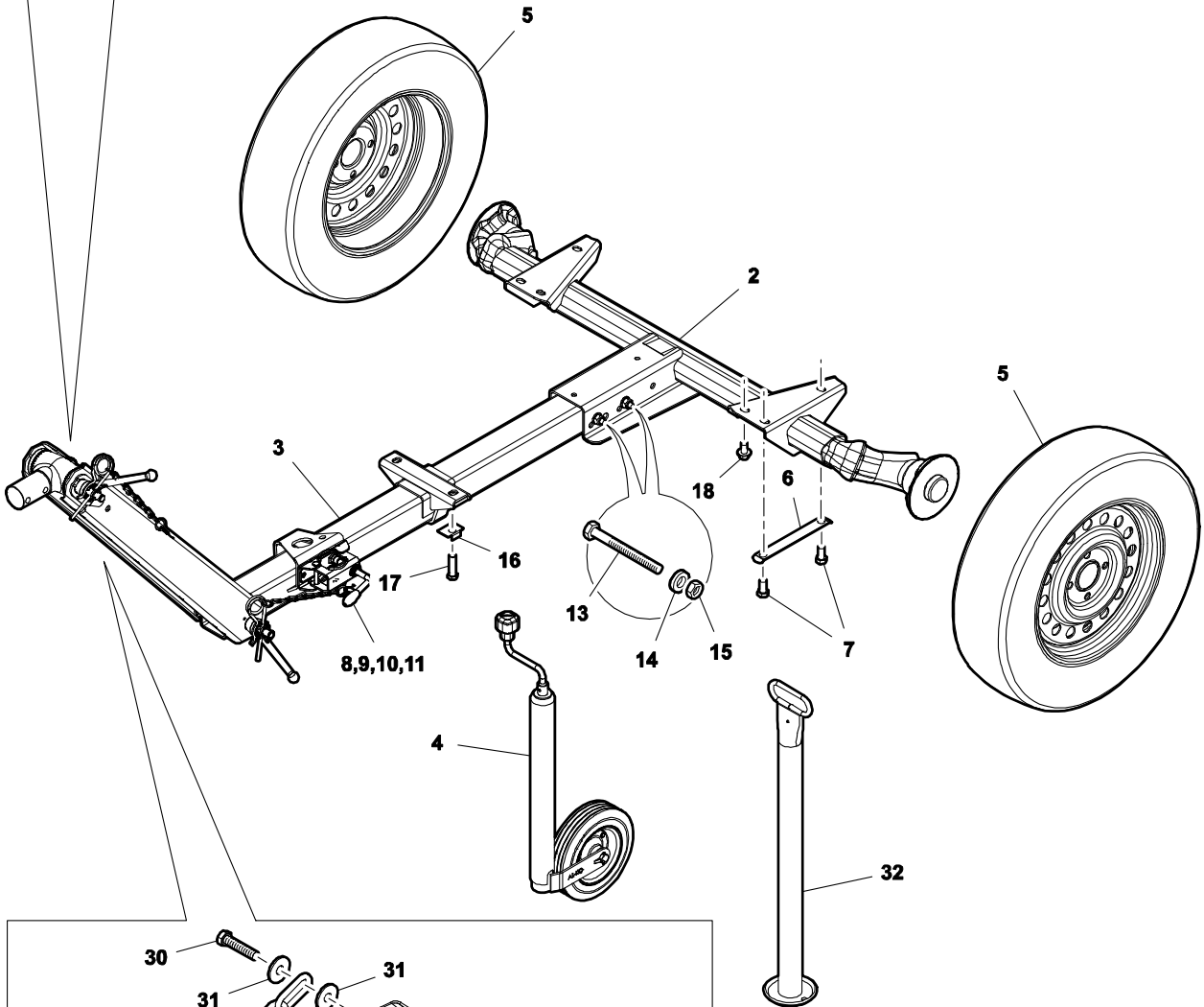
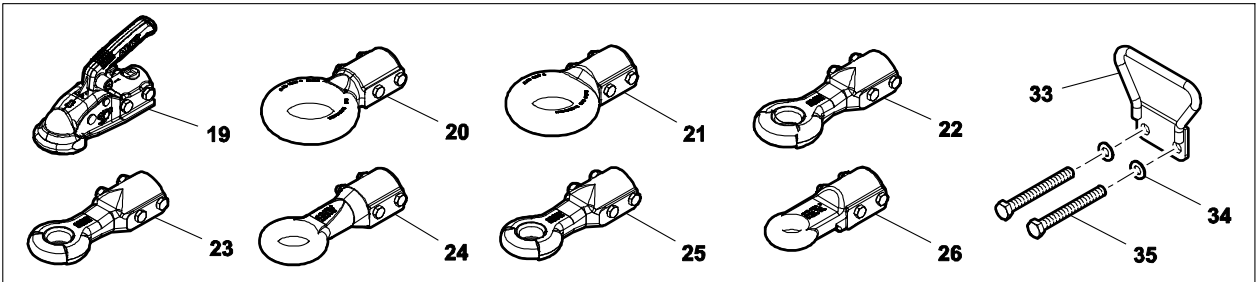
**RUNNING GEAR
(Fixed Height - Braked)
(Coupling Head)**



B8186_00
07/23
RMI

<p align="center">RUNNING GEAR (Fixed Height - Braked) (Coupling Head)</p>					
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46844561	HOUSING	NAP		1
2	46844315	LEVER			1
3	46844324	NIPPLE, GREASE	AS 6 x 1 DIN 71412		1
4	46844259	BOLT			1
5	46844277	BUSHING			1
6	46844332	NUT			2
7	46844245	ABSORBER, SHOCK			1
9	46844335	PIN			1
10	46844272	BUSHING			1
11	46844368	TUBE			1
12	46844288	DAMPING, RUBBER			1
13	46844272	BUSHING			1
14	46844325	NIPPLE, GREASE	AS 8 x 1 DIN 71412		2
15	46844373	WASHER			1
16	46844256	BELLOWS			1
17	46844279	CABLE, BREAKAWAY			1
18	46844318	LEVER, HANDBRAKE			1
19	46844354	SCREW			1
20	46844344	PLATE, STOP			1

RUNNING GEAR
 (variable Height - Unbraked)
 (750 kg)

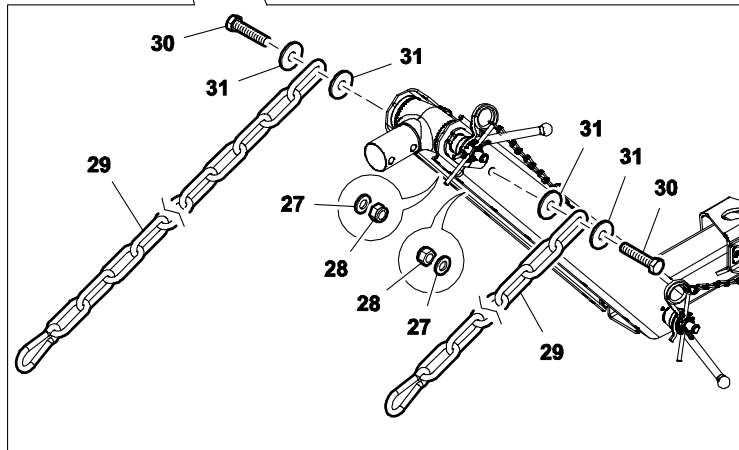
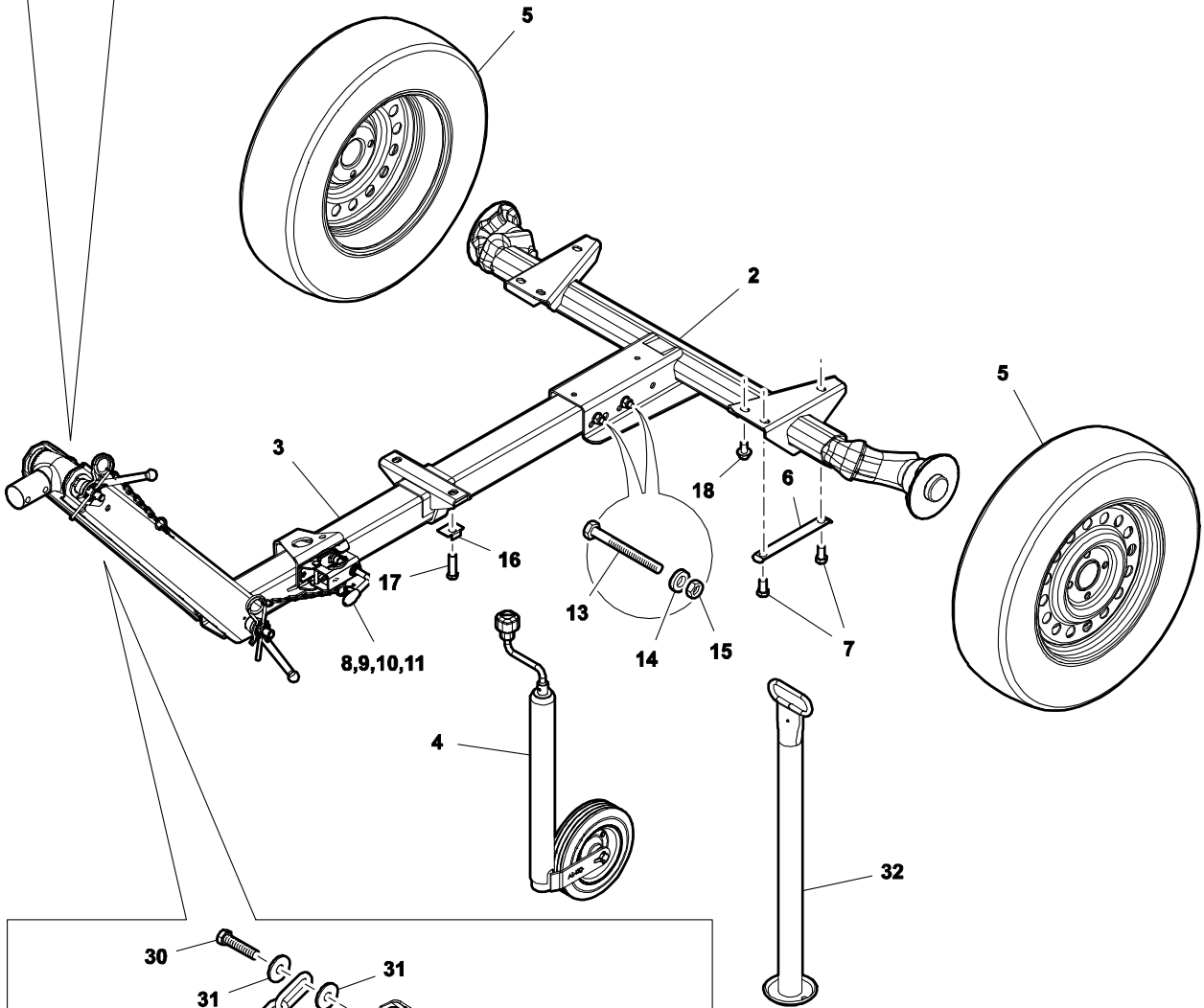
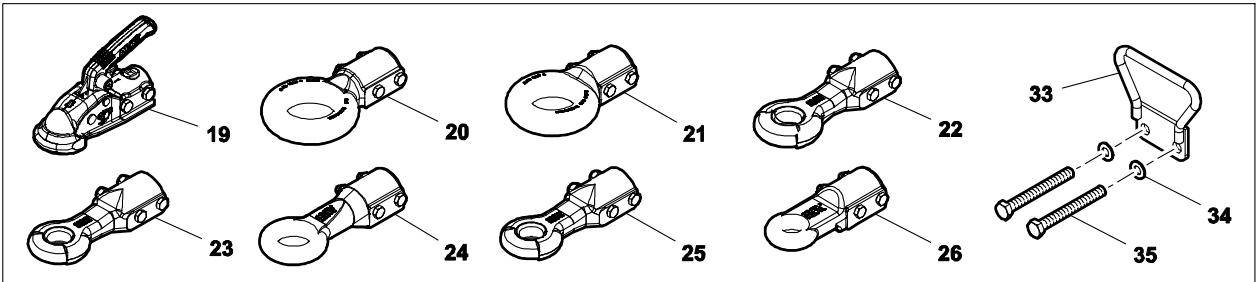


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RUNNING GEAR
(variable Height - Unbraked)
(750 kg)

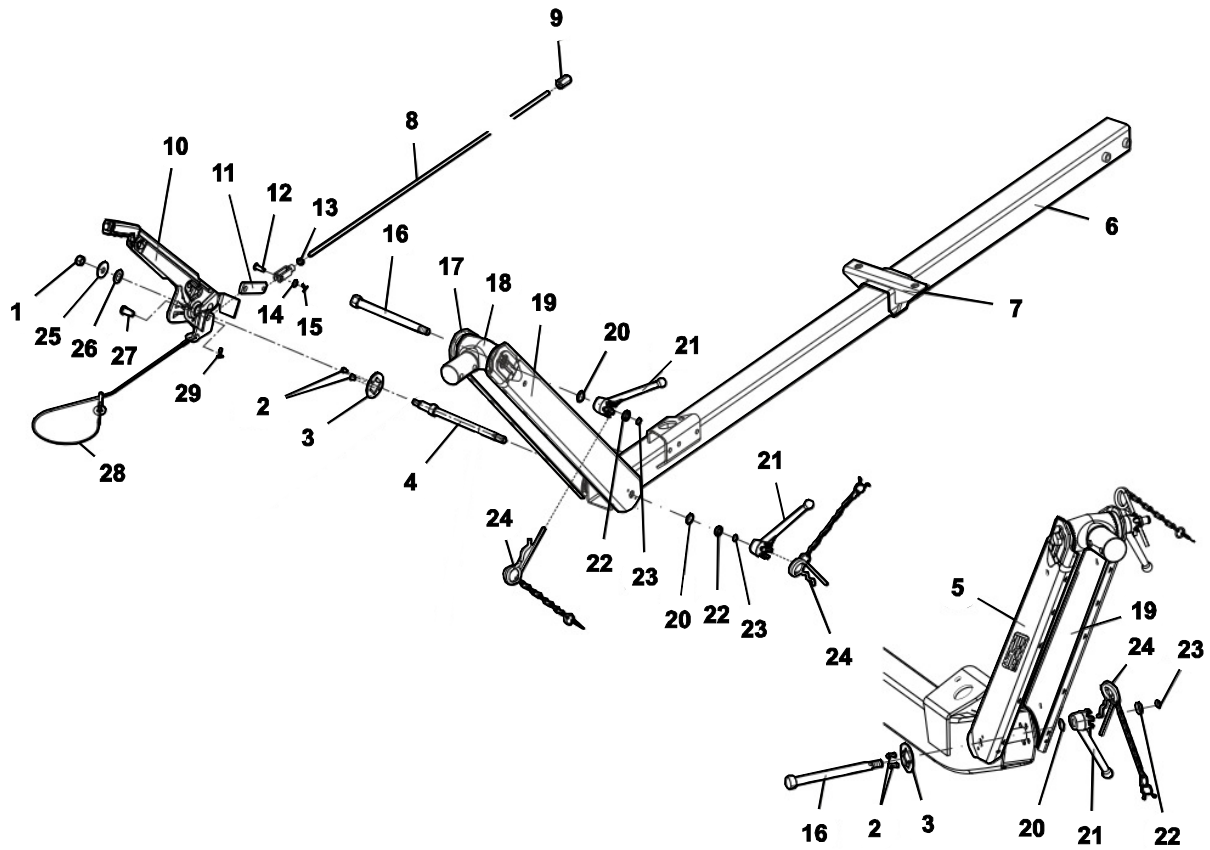
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46820445	RUNNING GEAR ASSEMBLY	variable height unbraked		1
2	46831347	AXLE ASSEMBLY	unbraked		1
2	46844253	AXLE			1
3	46831348	DRAWBAR ASSEMBLY			1
4	46831351	JOCKEY WHEEL ASSEMBLY			1
5	46702284	WHEEL AND TYRE ASSEMBLY	4 1/2J x 13 74M (silver)		2
5	46873344	WHEEL AND TYRE ASSEMBLY	4 1/2J x 13 74M (orange)		2
6	46820945	WASHER, AXLE			2
7	96701495	SCREW	(M12 x 25)		4
8	46844284	CLAMP ASSEMBLY			1
9	46844358	SETSCREW			2
10	46844326	NUT	M10 DIN 985-10		2
11	46844371	WASHER			2
12	46844313	KIT, CONNECTING	W/Ref. 13-15		1
13	46844259	BOLT			2
14	46844372	WASHER	A 13 DIN 125-ST		2
15	46844327	NUT	M12 DIN 985-10		2
16	54762901	WASHER			2
17	92398619	SCREW	(M12 x 45)		2
18	92176114	SCREW	(M12 x 20)		2
19	46831352	HITCH, BALL	50mm with fasteners		1
20	46831353	EYE, DRAWBAR	NATO Ø76 with fasteners		1
21	46831354	EYE, DRAWBAR	(FR) Ø68 with fasteners		1
22	46831355	EYE, DRAWBAR	(IT) Ø45 with fasteners		1
23	46831356	EYE, DRAWBAR	Ø40 with fasteners		1
24	46831357	EYE, DRAWBAR	(UK) Ø50 with fasteners		1
25	46831358	EYE, DRAWBAR	(UK) Ø40 with fasteners		1
26	46831359	EYE, DRAWBAR	(UK) Ø30 with fasteners		1
27	92061506	WASHER	(optional) - (M12)		2
28	35304047	NUT	(optional) - (M12)		2
29	46841655	CHAIN	(optional)		2

RUNNING GEAR (CONT'D)
(variable Height - Unbraked)
(750 kg)



B8180_00
 08/23
 RMI

RUNNING GEAR
 (Variable Height - Unbraked)
 (Drawbar)

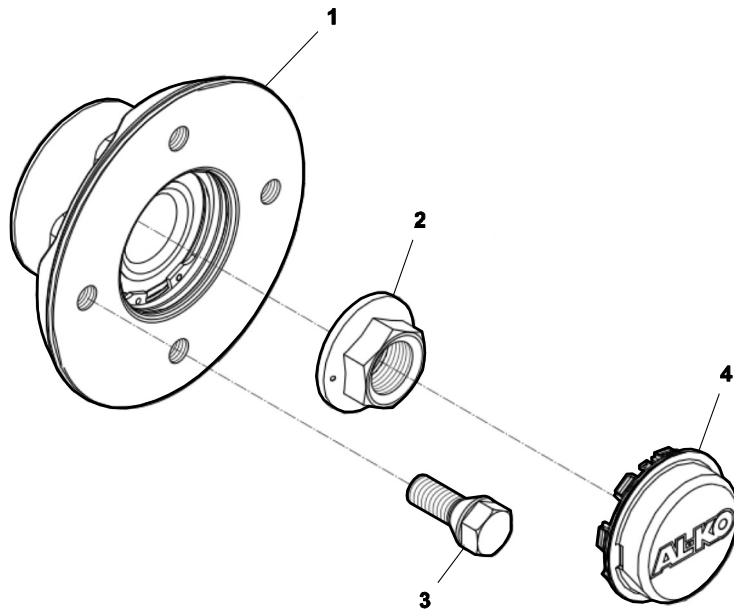


B8178_00
 07/23
 RMI

RUNNING GEAR
(Variable Height - Unbraked)
(Drawbar)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46844327	NUT	M12 DIN 985-10		3
2	46844349	RIVET, BLIND	A6,4 x 12,0 ST/ST DIN 7337		2
3	46844323	LOCKWASHER			1
4	46844264	BOLT, PIVOT	M16 x 1,5 x 246		1
5	46844251	ARM, SPACER SIDE	75Vu hot dipped 750 with data plate		1
6	46831348	DRAWBAR ASSEMBLY			1
7	46844367	SUPPORT ASSEMBLY			1
8	46844319	LINKAGE	customise to product		1
9	46844333	NUT	M8 35 mm long		1
10	46844309	HAND BRAKE LEVER ASSEMBLY	with breakaway cable		1
11	46844342	PLATE			1
12	46844260	BOLT	B 8 H11 x 22X19 DIN 1434		1
13	46844334	NUT	M8 DIN 934-8		1
14	46844374	WASHER	A8,4 DIN 125-ST		1
15	46844339	PIN, SPLIT	2 x 16 DIN 94		1
16	46844263	BOLT, PIVOT	M16x1,5x200		1
17	46844361	SPACER, SIDE ARM	75Vu vz 750 with data plate and eyelet		1
18	46844248	ADAPTOR, GEAR HEAD	70.1VO/75VU/102VB		
19	46844250	ARM, SPACER SIDE	left 70VO/75VU 750mm		1
20	46844375	WASHER	S 17 x 24 x 1,5 DIN 988		2
21	46844310	HANDLE, CLAMP	M16 x 1,5		2
22	46844273	BUSH			2
23	46844348	RING, RETAINING	A14 DIN 7993-1.4310		2
24	46844340	PIN, SPRING	with chain		2
25	46844376	WASHER	13 DIN 9021-ST		1
26	46844322	LOCKWASHER	B 16 DIN 137		1
27	46844261	BOLT			1
28	46844280	CABLE, BREAKAWAY	1600 mm length		1
29	46844337	PIN, RETAINING			1

RUNNING GEAR
(Variable Height - Unbraked)
(Hub)

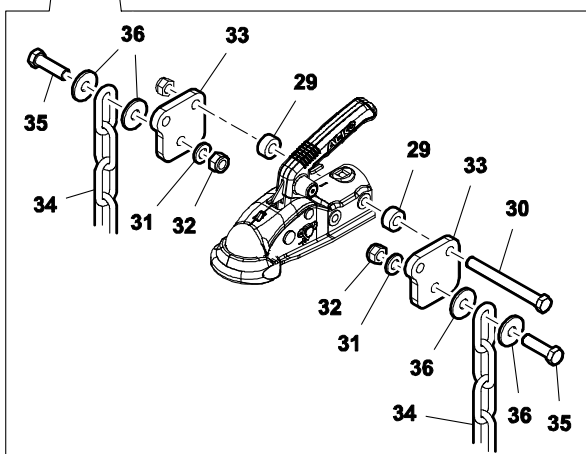
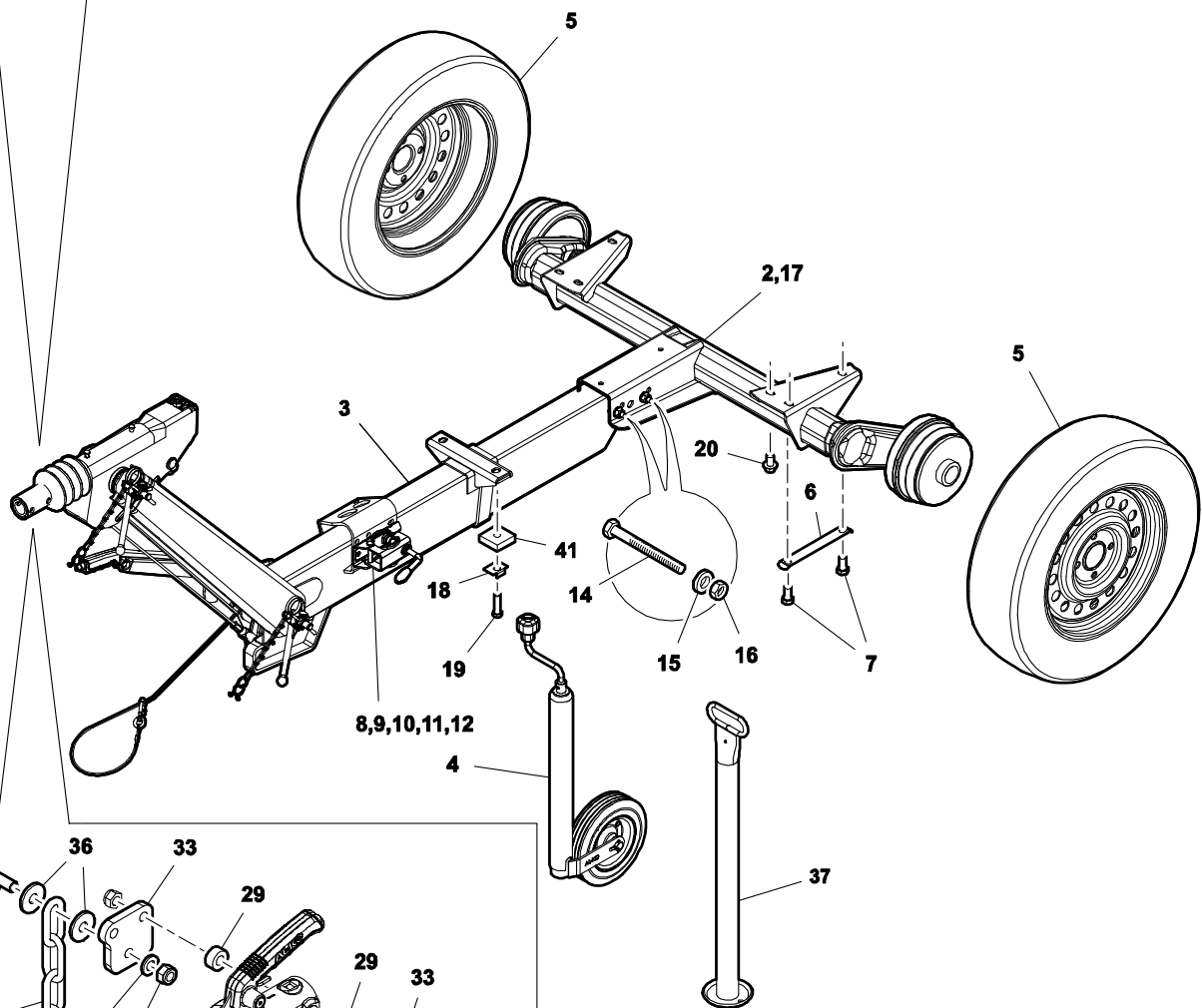
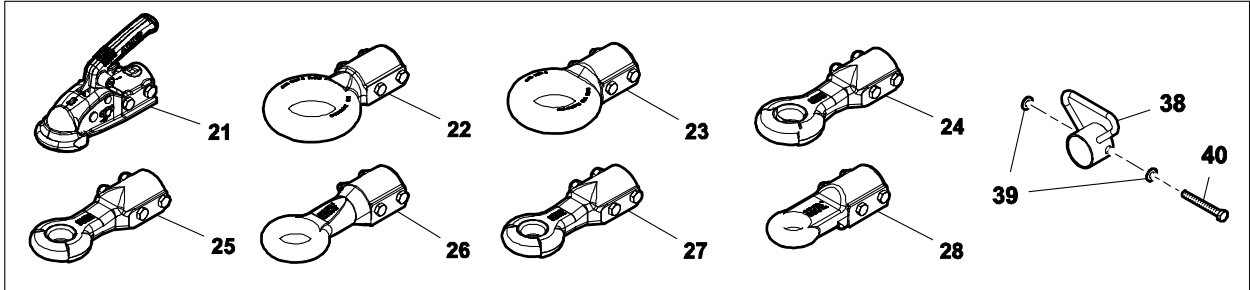


B8172_00
07/23
RMI

RUNNING GEAR
(Variable Height - Unbraked)
(Hub)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46844311	HUB COMPLETE	375 kg 100 x 4		1
1	46844314	KIT, HUB SERVICE			1
2	93171023	NUT, FLANGE			1
3	93171304	BOLT, WHEEL	conical 60° M12 x 1,5 x 24		4
4	46844282	CAP, END			1

RUNNING GEAR (Variable Height - Braked) (950 kg)

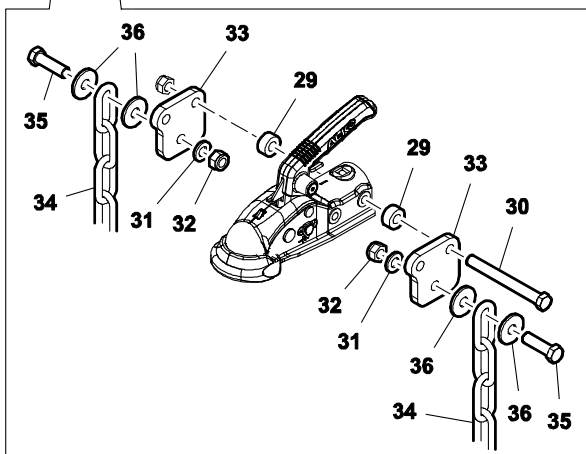
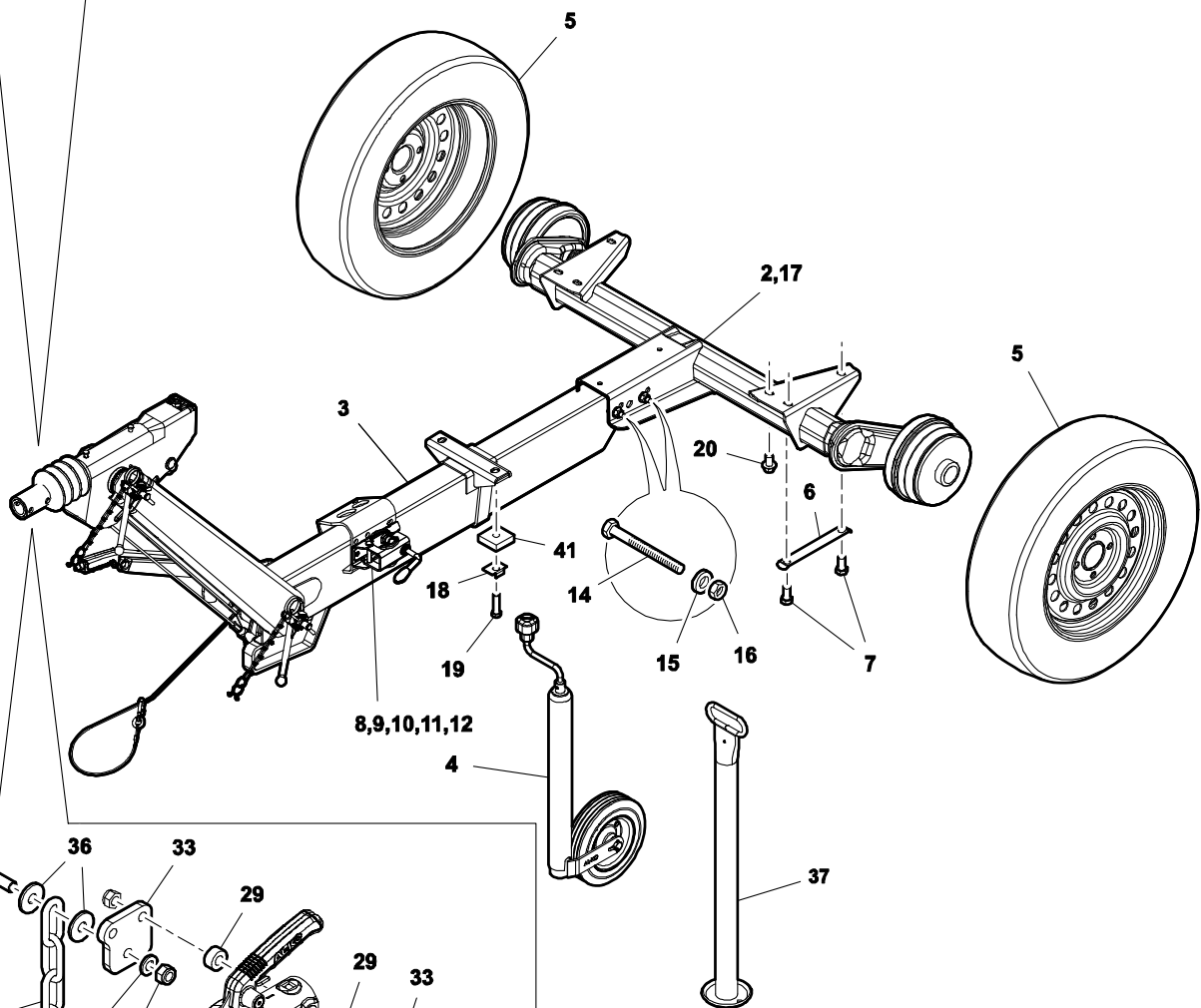
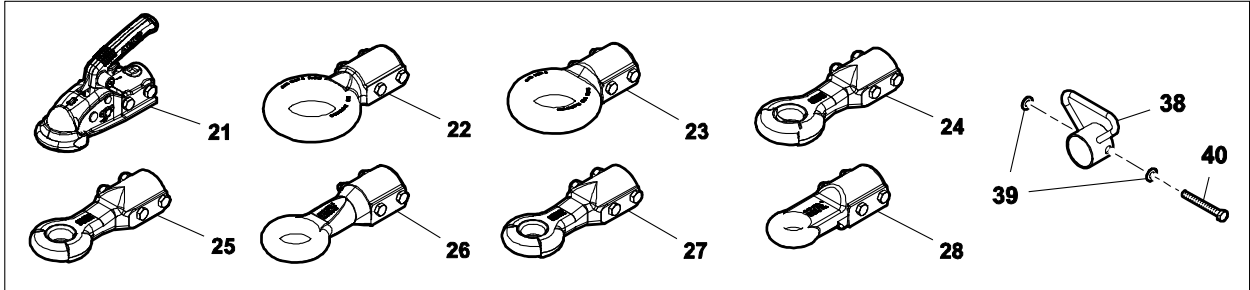


B8182_00
11/23
RMI

RUNNING GEAR
(Variable Height - Braked)
(950 kg)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46826065	RUNNING GEAR ASSEMBLY	variable height braked		1
2	46832529	AXLE ASSEMBLY	W/Ref. 17 - braked		1
2	46844254	AXLE			1
3	46832527	DRAWBAR ASSEMBLY			1
4	46831351	JOCKEY WHEEL ASSEMBLY			1
5	46826568	WHEEL AND TYRE ASSEMBLY	4.5J x 13 82M (silver)		2
5	46873342	WHEEL AND TYRE ASSEMBLY	4.5J x 13 82M (orange)		2
6	46820945	WASHER, AXLE			2
7	96701495	SCREW	(M12 x 25)		4
8	46844284	CLAMP ASSEMBLY			1
9	46832530	ADAPTOR			1
10	46844358	SETSCREW			2
11	46844326	NUT	M10 DIN 985-10		2
12	46844371	WASHER			2
13	46844313	KIT, CONNECTING	W/Ref. 14-16		1
14	46844259	BOLT			2
15	46844372	WASHER	A 13 DIN 125-ST		2
16	46844327	NUT	M12 DIN 985-10		2
17	46844255	BAR, BALANCE			1
18	54762901	WASHER			2
19	92398619	SCREW	(M12 x 45)		2
20	92176114	SCREW	(M12 x 20)		2
21	46831352	HITCH, BALL	50mm with fasteners		1
21	46874944	HITCH, BALL	(optional) - 50mm		1
22	46831353	EYE, DRAWBAR	NATO Ø76 with fasteners		1
23	46831354	EYE, DRAWBAR	(FR) Ø68 with fasteners		1
24	46831355	EYE, DRAWBAR	(IT) Ø45 with fasteners		1
25	46831356	EYE, DRAWBAR	Ø40 with fasteners		1
26	46831357	EYE, DRAWBAR	(UK) Ø50 with fasteners		1
27	46831358	EYE, DRAWBAR	(UK) Ø40 with fasteners		1
28	46831359	EYE, DRAWBAR	(UK) Ø30 with fasteners		1

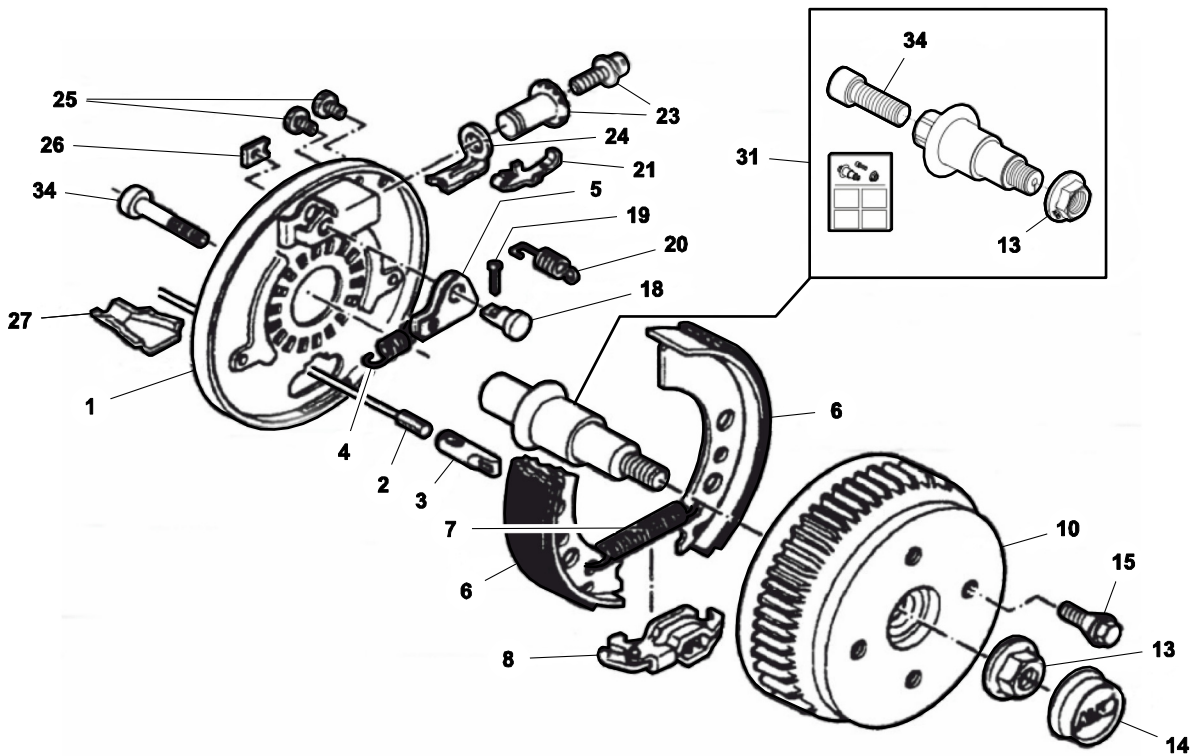
RUNNING GEAR (CONT'D)
(Variable Height - Braked)
(950 kg)



B8182_00
 11/23
 RMI

<p align="center">RUNNING GEAR (CONT'D) (Variable Height - Braked) (950 kg)</p>					
Item	Part Number	Description	Remarks	Serial Number	Qty
29	46847830	SPACER	(optional) (ball hitch only)		4
30	46847829	SCREW	(optional) (ball hitch only) - (M12 x 120)		2
30	46840025	SCREW	(optional) (eye hitch only) - (M12 x 110)		2
31	92061506	WASHER	(optional) - (M12)		2
32	35304047	NUT	(optional) - (M12)		2
33	46847789	BRACKET	(optional)		2
34	46841655	CHAIN	(optional)		2
35	46847950	SCREW	(optional) - (M12 x 45)		2
36	96711767	WASHER	(optional) - (M12)		4
37	22053755	STAND, PROP	(prop stand option only)		1
38	46863918	HANDLE, TOWING BAR	(braked towing bar option only)		1
39	92061506	WASHER	(braked towing bar option only) - (M12)		2
40	96740782	SCREW	(braked towing bar option only) - (M12 x 80)		1
41	46856689	SEAL, FRAME			2

RUNNING GEAR
(Variable Height - Braked)
(Hub)

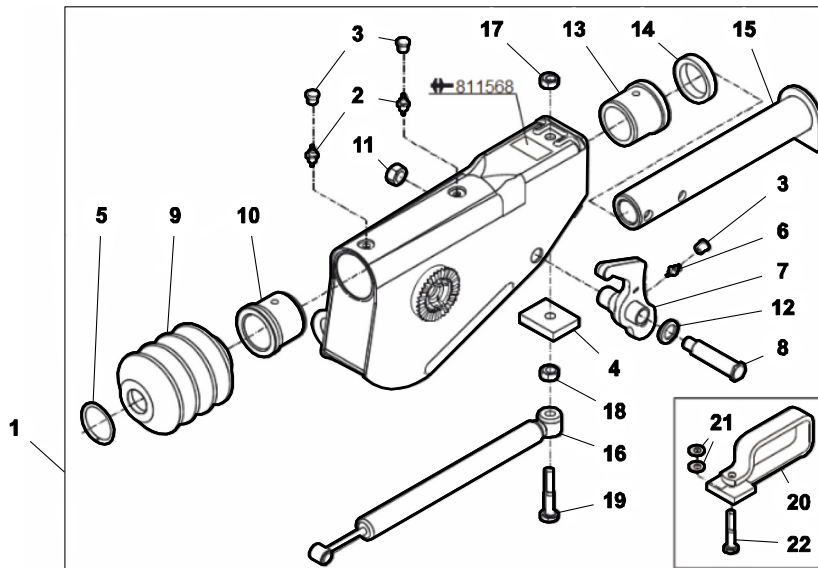


B8170_00
07/23
RMI

**RUNNING GEAR
(Variable Height - Braked)
(Hub)**

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46844359	SHIELD, BRAKE	welded on left		1
1	46844360	SHIELD, BRAKE	welded on the right		1
2	46550573	CABLE, BOWDEN	530/726		1
3	46844308	EYE, SUSPENSION	1637/2051/2361		1
4	46844364	SPRING, TENSION	left		1
4	93170959	SPRING, TENSION	right		1
5	46844316	LEVER COMPLETE	left		1
5	46844317	LEVER COMPLETE	right		1
6	46844271	BRAKE SHOE SET	for one axle 1635/1636/1637		1
7	93171007	SPRING, TENSION			1
8	46844312	JOINT, EXPANDER			1
10	46844269	BRAKE DRUM COMPLETE	100x4		1
13	93171023	NUT, FLANGE			1
14	46844281	CAP	Ø57		1
15	93171304	BOLT, WHEEL	conical 60° M12 x 1,5 x 24		1
18	46844336	PIN, BEARING			1
19	46844338	PIN, SPLIT	4 x 20 DIN 94		1
20	46844362	SPRING, COMPRESSION			1
21	46844363	SPRING, LEAF			1
23	46844249	ADJUSTER			1
24	46844266	BRACKET			1
25	46844346	PLUG	RAL6002		2
26	46844343	PLATE, COVER			1
27	46844252	ATTACHMENT, BOWDEN CABLE			1
31	46844366	STUB AXLE AND BEARING ASSEMBLY	W/Ref.13,34 - Ø 30 0° M22		1
34	46844353	SCREW	M22 x 60 DIN 912		1

RUNNING GEAR
(variable Height - Braked)
(Coupling Head)

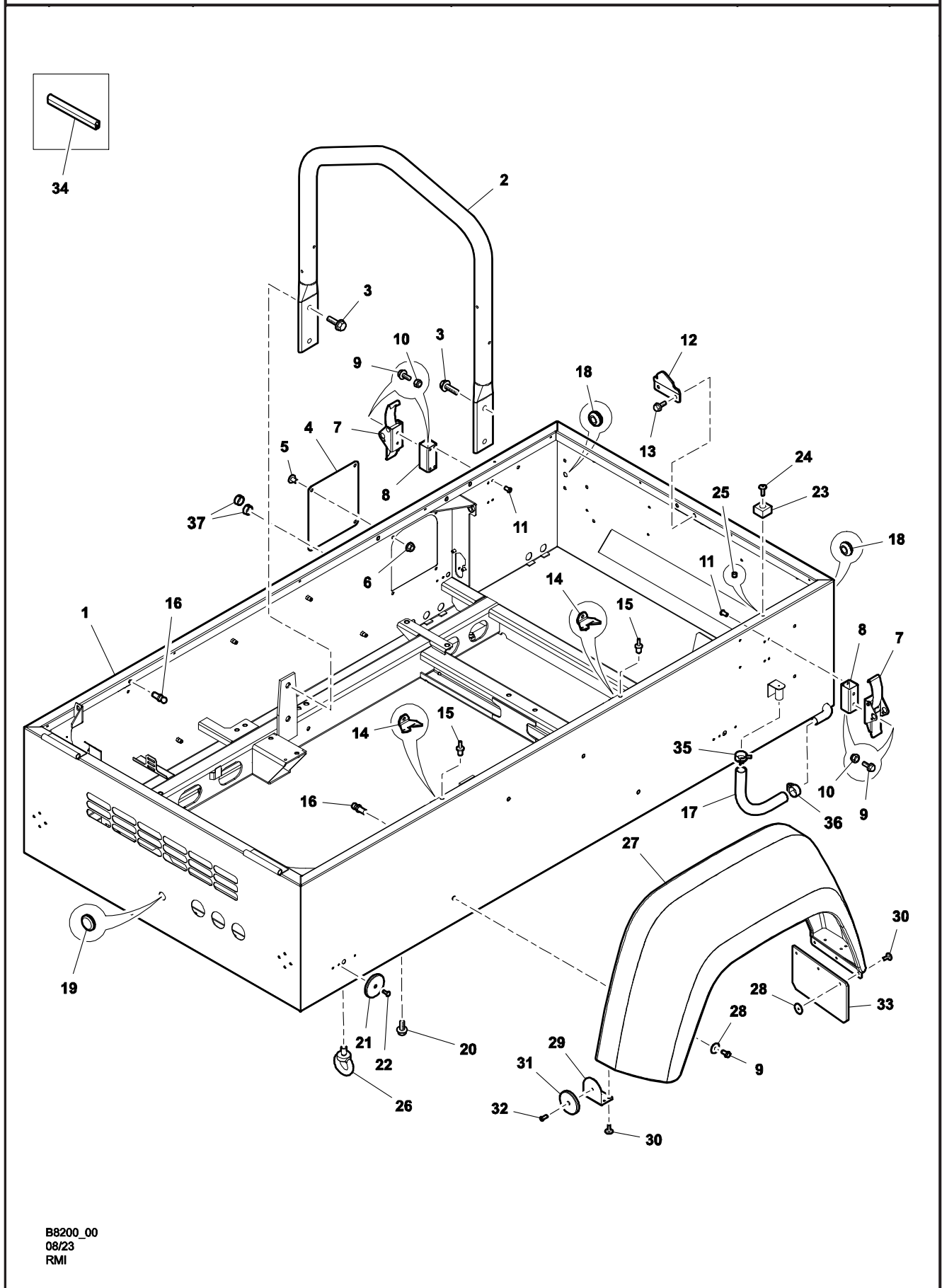


B8176_00
07/23
RMI

**RUNNING GEAR
(variable Height - Braked)
(Coupling Head)**

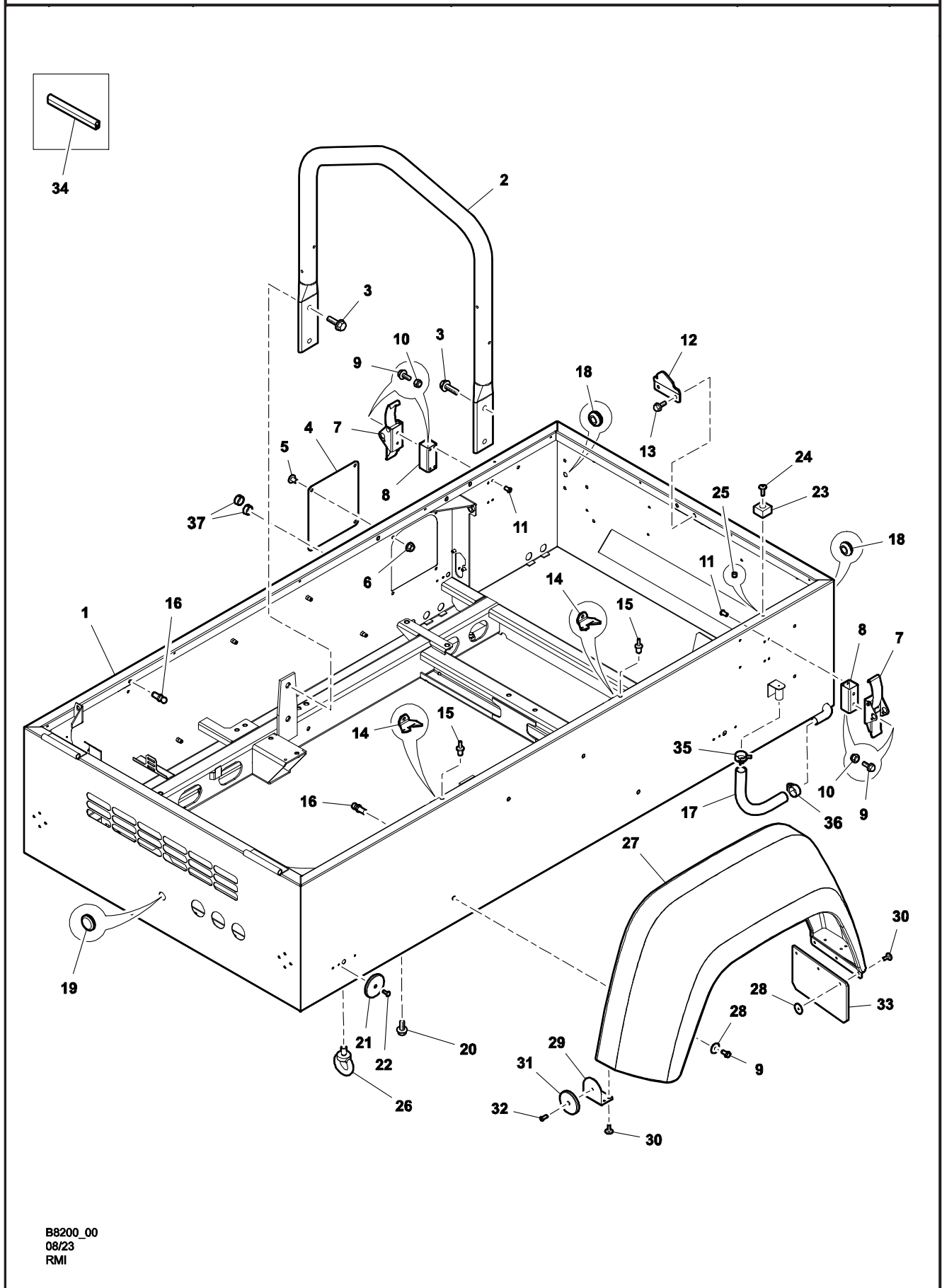
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46844287	COUPLING HEAD ASSEMBLY	with toothed washer 101VB design B1		1
2	46844325	NIPPLE, GREASE	AS 8 x 1 DIN 71412		2
3	46844283	CAP, GREASE NIPPLE			3
4	46844345	PLATE, STOP			1
5	46844347	RING, CLAMPING			1
6	46844324	NIPPLE, GREASE	AS 6 x 1 DIN 71412		1
7	46844289	DEFLECTION LEVER ASSEMBLY	iH=90:27		1
8	46844265	BOLT, PIVOT	M12 x 74		1
9	46844257	BELLOWS			1
10	46844274	BUSH, BEARING			1
11	46844320	LOCKNUT	BIW M12		1
12	46844377	WASHER	17 DIN 433		1
13	46844275	BUSH, BEARING			1
14	46844350	RUBBER, DAMPING			1
15	46844369	TUBE, DRAW	welded 101VB		1
15	46844370	TUBE, DRAW	welded 101VB rotatable		1
16	46844246	ABSORBER, SHOCK	101VB		1
17	46844321	LOCKNUT	BIW M10		1
18	46844330	NUT	M10 DIN 934-8		1
19	46844357	SCREW	M10 x 55 DIN 931 8.8		1
20	46844267	BRACKET, CLAMPING			1
21	46844378	WASHER	A 10,5 DIN 125-ST		1
22	46844262	BOLT			1
23	46844286	COUPLING	AK 160 with mounting parts Ø40		1

ENCLOSURE (lower)



**ENCLOSURE
(lower)**

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46851409SZ	FRAME			1
2	46812485SZ	BAIL, LIFTING			1
3	92398627	SCREW	(M12 x 30)		4
4	46837955SZ	COVER			1
5	46837954	SCREW	(M6 x 30)		4
6	96704176	NUT	(M6)		4
7	46827365	LATCH			2
8	46829045SZ	SPACER			2
9	92096015	SCREW	(M6 x 16)		12
10	92829316	NUT	(M6)		4
11	92863679	RIVET	(M4.8 x 10)		8
12	46812585	BRACKET			1
13	96728480	SCREW	(M8 x 16)		2
14	46812445	BRACKET			2
15	46611359	RIVET			2
16	35337328	STUD, BALL	(M8)		2
17	46837974	HOSE, TRANSPARENT			1
18	46830566	GROMMET			2
19	46830565	GROMMET			1
20	92176114	SCREW	(M12 x 20)		3
21	92121243	REFLECTOR, AMBER			4
22	22054498	RIVET			4
23	92799501	PROTECTOR			2
24	22855258	RIVET			2
25	23076631	SPACER			2
26	46692700	EYEBOLT	(M12 x 20)		4
27	46820045	FENDER			2
28	23076656	WASHER	(M6 x 25)		14
29	46820706SZ	BRACKET			2
30	46560699	RIVET			18
31	92085729	REFLECTOR, WHITE			2

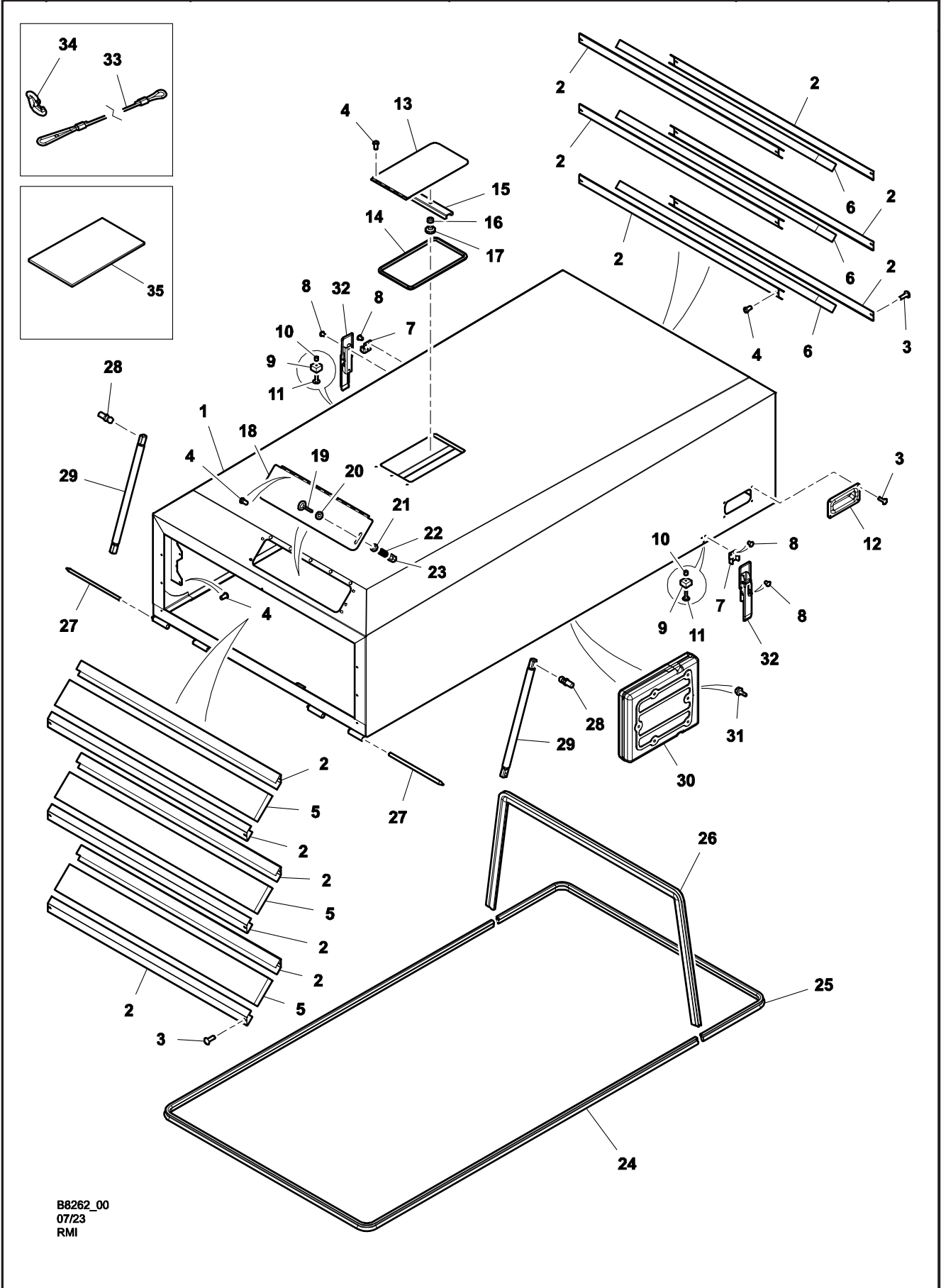
ENCLOSURE (CONT'D)
(lower)

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ENCLOSURE (CONT'D)
(lower)

Item	Part Number	Description	Remarks	Serial Number	Qty
32	22054498	RIVET			2
33	46820707	FLAP, SPLASHGUARD			2
34	22293419	SEAL, U-PROFILE			1
35	46502795	CLAMP			1
36	95920844	CLAMP			1
37	92783281	PLUG			2

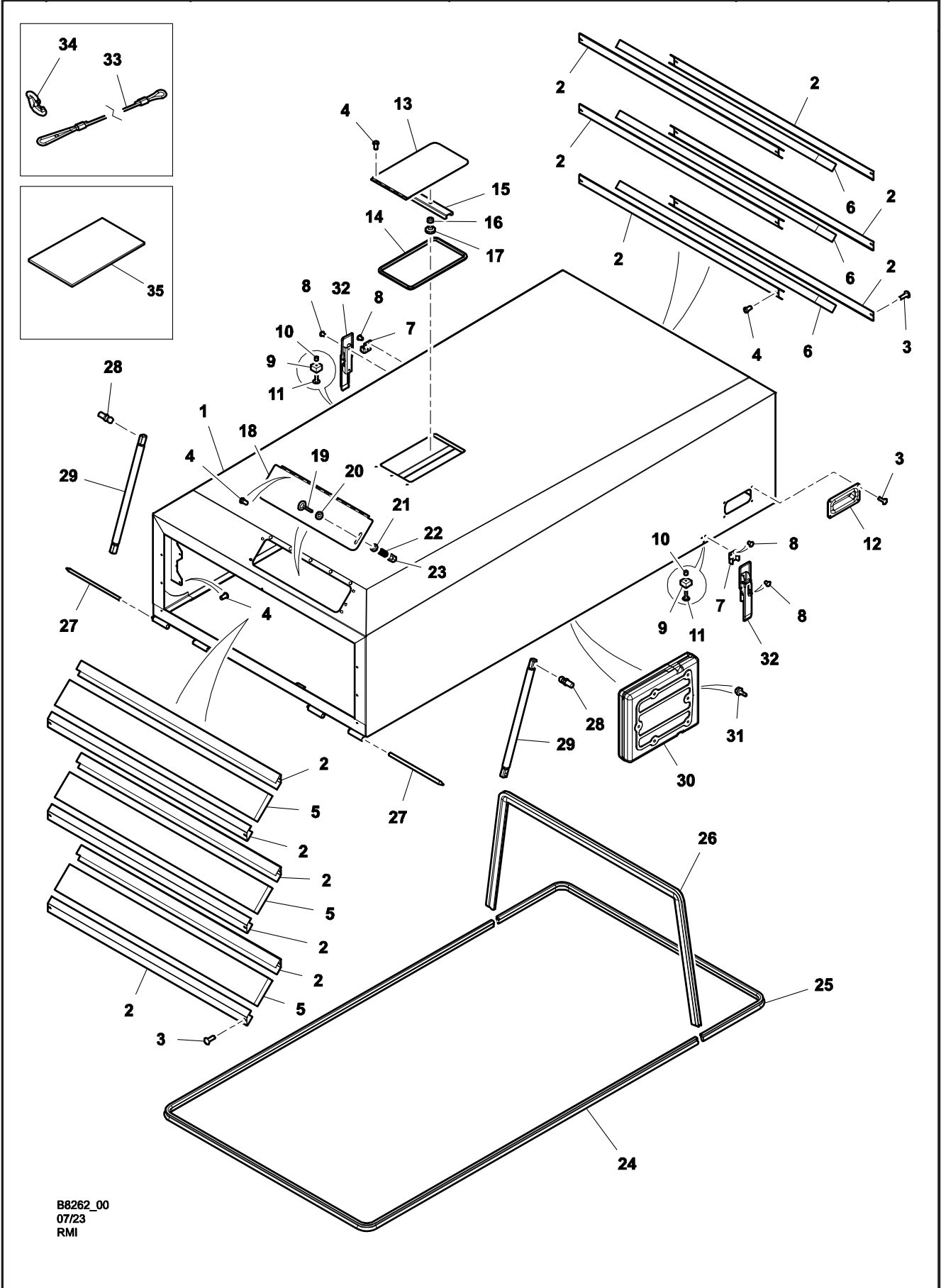
ENCLOSURE
(upper)
(metal canopy)



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ENCLOSURE (upper) (metal canopy)					
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46810265SM	CANOPY			1
2	46812925SM	LOUVER			12
3	22684971	RIVET			21
4	92863679	RIVET	(M4.8 x 10)		15
5	46813747	FOAM, LOUVER			3
6	46814365	FOAM, LOUVER			3
7	89203616	CATCH, FEMALE			2
8	36794816	RIVET			10
9	92799501	PROTECTOR			2
10	23076631	SPACER			2
11	22855258	RIVET			2
12	92824010	HANDLE			1
13	46810285SZ	COVER, LIFTING BAIL			1
14	46603000	SEAL	0,77 m long		1
15	46828517	BAR			1
16	22747869	SPACER			1
17	22710693	KNOB			1
18	46810305SM	COVER, CONTROL PANEL			1
19	35607829	BOLT, EYE			1
20	95935029	WASHER	1/4"		1
21	92341981	WASHER	(M6)		1
22	35607837	SPRING			1
23	95923298	NUT			1
24	92119957	SEAL	3,85 m long		1
25	92119957	SEAL	1,46 m long		1
26	46842467	SEAL			1
27	22775365	PIN			2
28	35337328	STUD, BALL	(M8)		2
29	22663173	SPRING, GAS			2
30	22990816	POUCH, LITERATURE			1
31	96738695	SCREW	(M6 x 16)		3

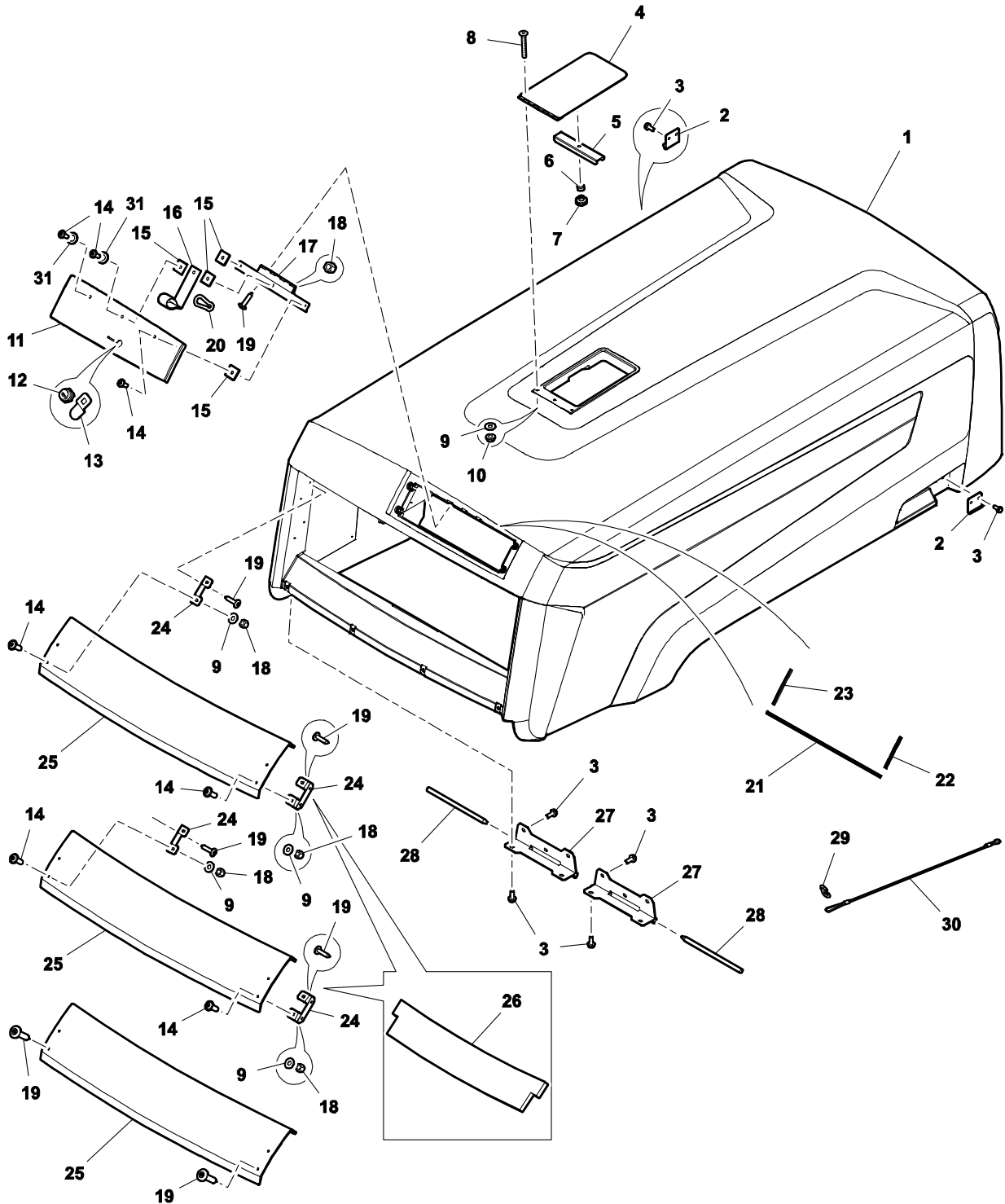
ENCLOSURE (CONT'D)
(upper)
(metal canopy)



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ENCLOSURE (CONT'D) (upper) (metal canopy)					
Item	Part Number	Description	Remarks	Serial Number	Qty
32	46553324	LATCH			2
33	46838646	CABLE, FIXING			1
34	46673139	HOOK, SNAP			1
35	92949742	FOAM FIELD KIT (with adhesive)	1,9 m x 1,5 m x 25 mm (7' x 5' x 1")		1
35	92949767	FOAM FIELD KIT (with adhesive)	1,9 m x 1,5 m x 50 mm (7' x 5' x 2")		1
35	92949759	FOAM FIELD KIT (with adhesive)	0,95 m x 1,5 m x 25 mm (3' x 5' x 1")		1
35	92949775	FOAM FIELD KIT (with adhesive)	0,95 m x 1,5 m x 50 mm (3' x 5' x 2")		1
35	46592579	FOAM FIELD KIT (no adhesive)	1,9 m x 1,5 m x 50 mm (7' x 5' x 2")		1
35	46592580	FOAM FIELD KIT (no adhesive)	0,95 m x 1,5 m x 50 mm (3' x 5' x 2")		1

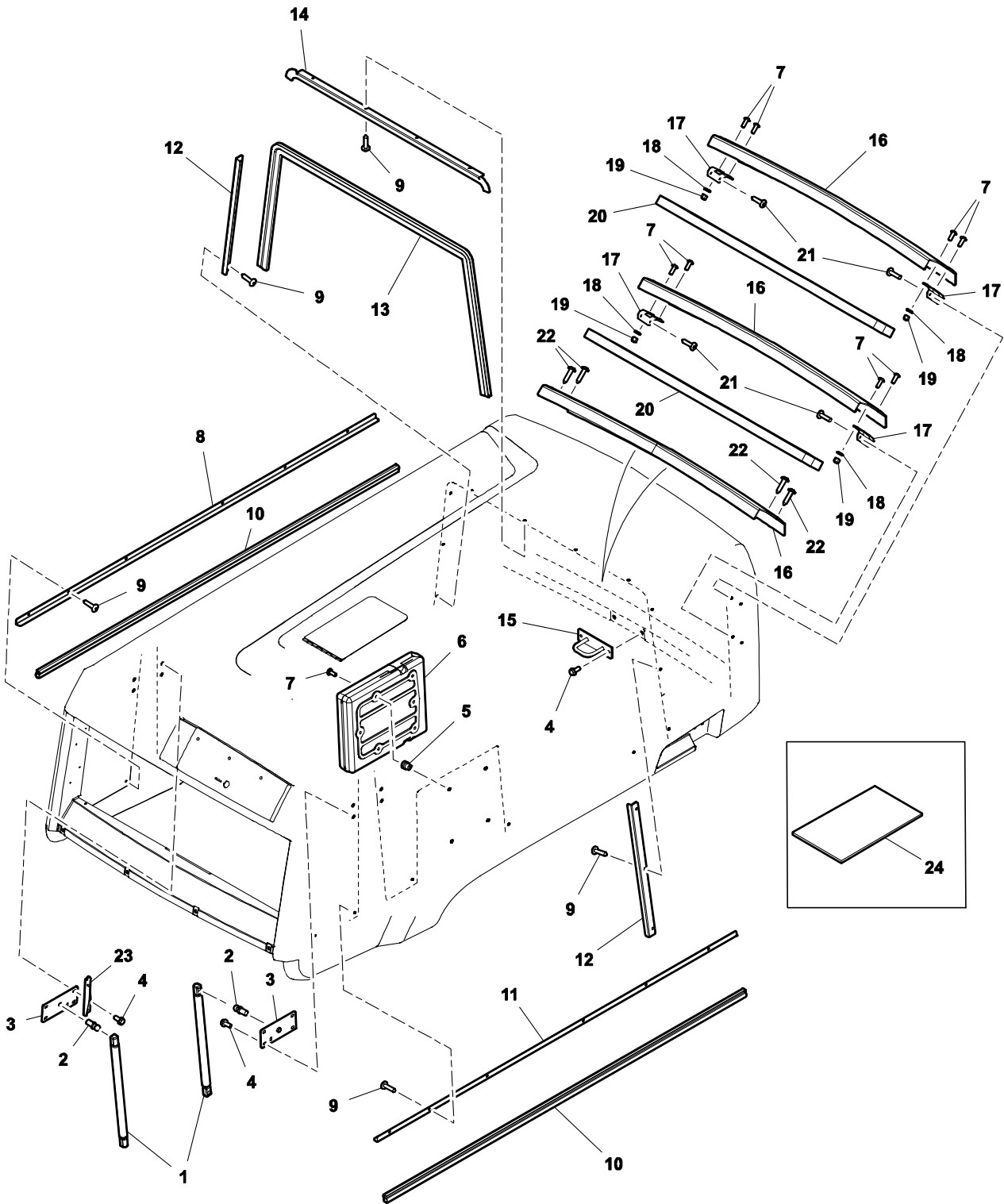
ENCLOSURE (upper) (polymer canopy)



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ENCLOSURE (upper) (polymer canopy)					
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46828005SM	ENCLOSURE, CANOPY			1
2	46828530	BRACKET, LATCH			2
3	92184811	SCREW	(M6 x 12)		14
4	46828516SZ	COVER			1
5	46828517	BAR			1
6	22747869	SPACER			1
7	22710693	KNOB			1
8	46840128	SCREW	(M6 x 16)		3
9	92304583	WASHER	(M5)		11
10	96728274	NUT	(M5)		3
11	46827986SM	COVER, CONTROL PANEL			1
12	23253487	LOCK			1
13	46829675	HOOK, LOCK			1
14	46829965	SCREW	(M5 x 16)		11
15	46828513	SEAL			4
16	46758226	STRAP			1
17	46828512SX	HINGE			1
18	96704580	NUT	(M5)		9
19	46841208	SCREW	(M5 x 50)		15
20	46841505	HOOK			1
21	46846926	SEAL	0,45 m long		2
22	46846927	SEAL	0,115 m long		1
23	46846925	SEAL	0,1 m long		1
24	46828509SZ	HOLDER			4
25	46828511	LOUVER, FRONT			3
26	46828531	FOAM, LOUVER			2
27	46828507SZ	HINGE			2
28	22775365	PIN			2
29	46673139	HOOK, SNAP			1
30	46850971	CABLE, FIXING			1
31	96701396	WASHER	(M8)		3

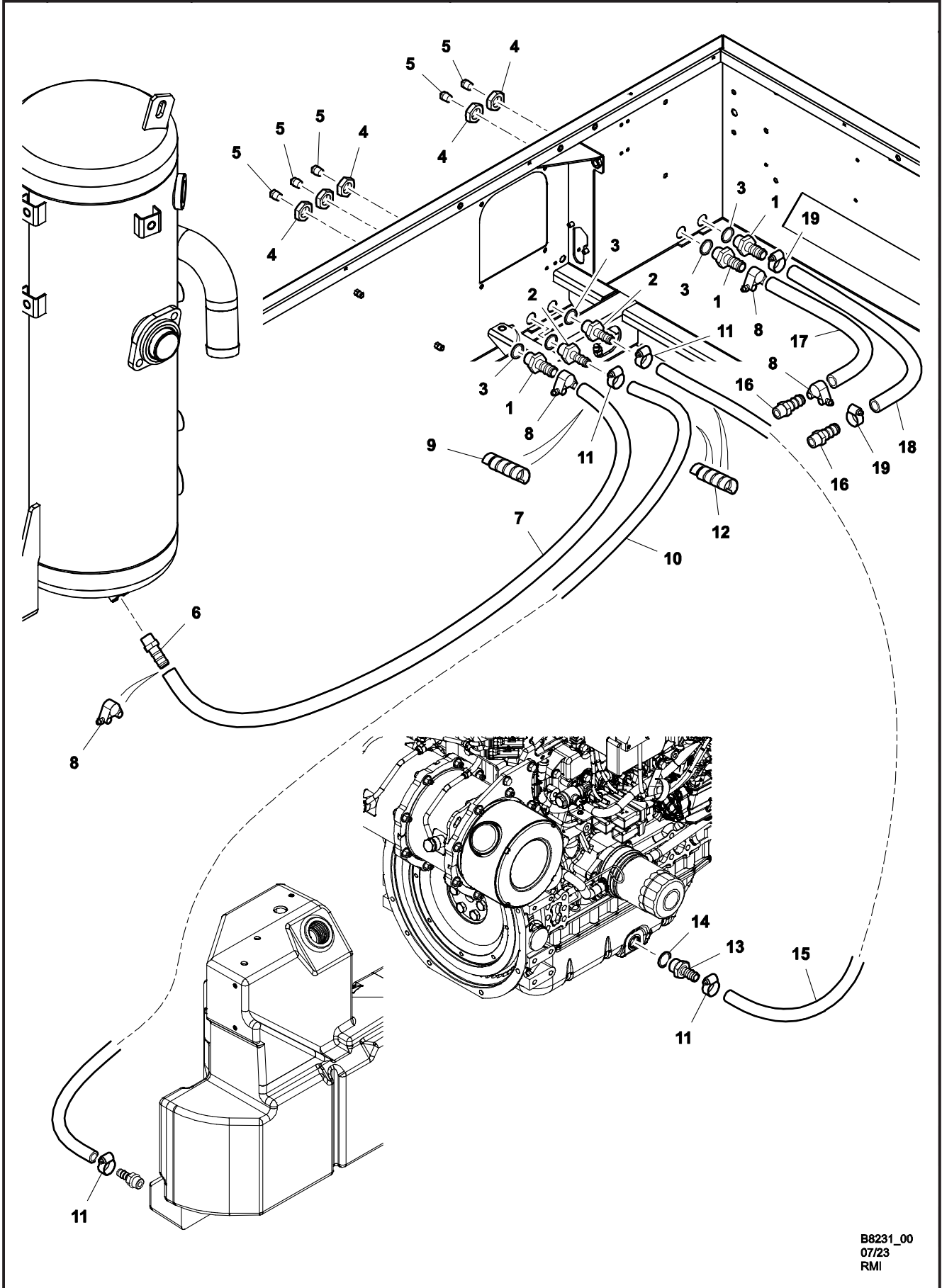
ENCLOSURE (upper) (polymer canopy)



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ENCLOSURE (upper) (polymer canopy)					
Item	Part Number	Description	Remarks	Serial Number	Qty
1	22663173	SPRING, GAS			2
2	35337328	STUD, BALL	(M8)		2
3	46828518SZ	BRACKET			2
4	92184811	SCREW	(M6 x 12)		10
5	23182470	NUT	(M5)		4
6	22990816	POUCH, LITERATURE			1
7	46829965	SCREW	(M5 x 16)		4
8	46841392	BRACKET			1
9	46829962	SCREW	(M6 x 30)		18
10	92119957	SEAL	1,49 m long		2
11	46841393	BRACKET			1
12	46828525	PLATE			2
13	46842467	SEAL			1
14	46828526	PLATE			1
15	46828529	EYE			1
16	46828528	LOUVER, REAR			3
17	46828509	HOLDER			4
18	92304583	WASHER	(M5)		8
19	96704580	NUT	(M5)		8
20	46828532	FOAM, LOUVER			2
21	46842578	SCREW	(M6.3 x 16)		9
22	46840128	SCREW	(M6 x 16)		4
23	46850733SZ	BRACKET			1
24	92949742	FOAM FIELD KIT (with adhesive)	1,9 m x 1,5 m x 25 mm (7' x 5' x 1")		1
24	92949767	FOAM FIELD KIT (with adhesive)	1,9 m x 1,5 m x 50 mm (7' x 5' x 2")		1
24	92949759	FOAM FIELD KIT (with adhesive)	0,95 m x 1,5 m x 25 mm (3' x 5' x 1")		1
24	92949775	FOAM FIELD KIT (with adhesive)	0,95 m x 1,5 m x 50 mm (3' x 5' x 2")		1
24	46592579	FOAM FIELD KIT (no adhesive)	1,9 m x 1,5 m x 50 mm (7' x 5' x 2")		1
24	46592580	FOAM FIELD KIT (no adhesive)	0,95 m x 1,5 m x 50 mm (3' x 5' x 2")		1

**ENCLOSURE
(central drains)**



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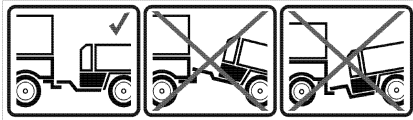
**ENCLOSURE
(central drains)**

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46814605	CONNECTOR	16MM		3
2	46813745	CONNECTOR	1/2"		2
3	46830418	O-RING			5
4	46668085	NUT	(M20 x 1.5)		5
5	92354661	PLUG	1/4" BSPT		5
6	46830396	CONNECTOR	1/2" BSPT - 16 MM		1
7	23287758	HOSE	1,46 m long - (16 mm ID)		1
8	23305279	CLAMP, T-BOLT			4
9	46679461	PROTECTOR, HOSE	0,3 m long		1
10	23287766	HOSE	1,9 m long - (13 mm ID)		1
11	95264776	CLAMP			4
12	46679461	PROTECTOR, HOSE	(0,4 m long)		2
13	46822366	CONNECTOR	(PA7.3) - 16MM DN13		1
13	46678002	FITTING	(PA7.4, PA7.5, PA14.3) - 22MM		1
14	46822386	WASHER, COPPER	(PA7.3)		1
14	23174931	WASHER, COPPER	(PA7.4, PA7.5, PA14.3)		1
15	23098296	HOSE	1,05 m long - (13 mm ID)		1
16	46830396	CONNECTOR	(PA7.5, PA14.3) - 1/2" BSPT - 16 MM		2
17	23287758	HOSE	(PA7.3, PA7.4) - 0,36 m long - (16 mm ID)		1
17	23287758	HOSE	(PA7.5, PA14.3) - 0,48 m long - (16 mm ID)		1
18	23287758	HOSE	(PA7.3, PA7.4) - 1,08 m long - (16 mm ID)		1
18	23287758	HOSE	(PA7.5, PA14.3) - 0,6 m long - (16 mm ID)		1
19	95235131	CLAMP			2

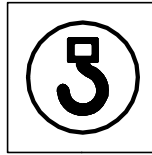
DECALS AND DOCUMENTATION



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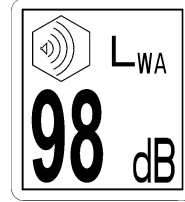
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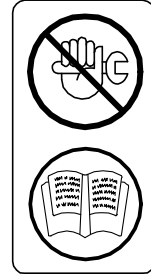
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4



5



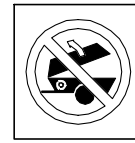
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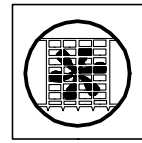
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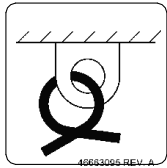
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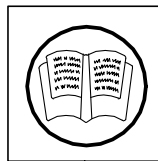
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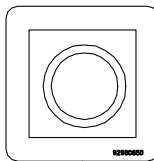
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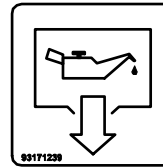
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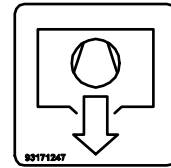
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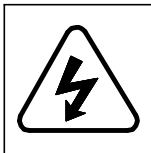
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14



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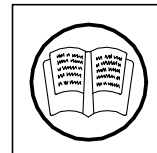
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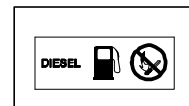
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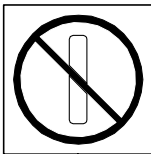
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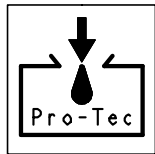
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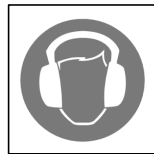
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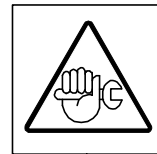
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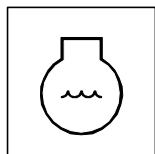
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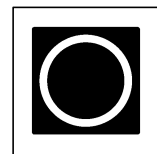
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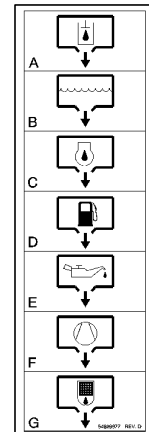
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26



27



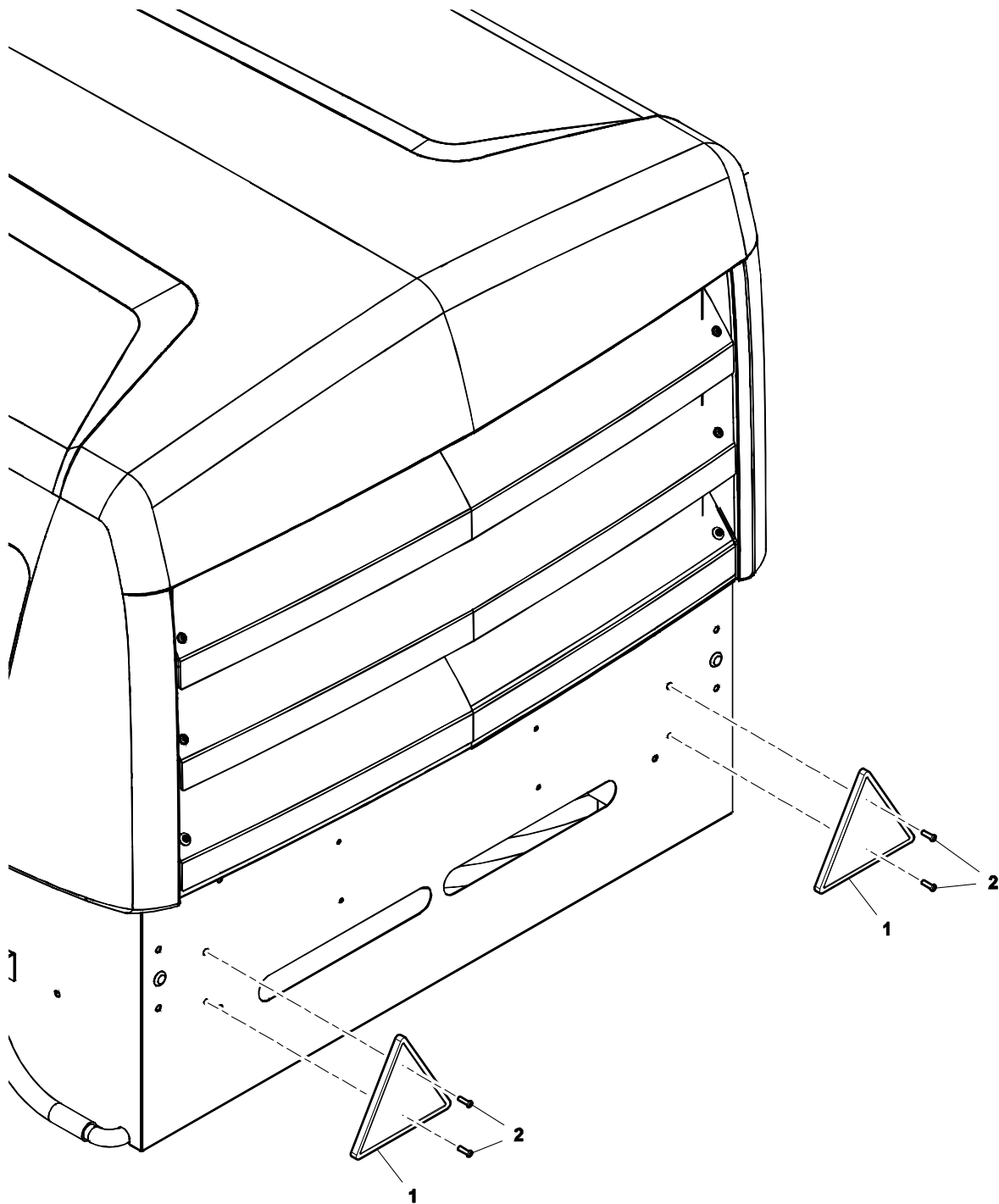
28

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DECALS AND DOCUMENTATION

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46843476	DECAL, STAGE V			2
2	46627615	DECAL, HORIZONTAL POSITION			1
3	93171262	DECAL, LIFT/TIE POINT			1
4	46553802	DECAL, DO NOT USE AS STEP			2
5	22664494	DECAL, SOUND POWER	(98 dB)		2
6	92930668	DECAL, NO MAINT/READ MANUAL			1
7	92930601	DECAL, CORROSIVE SUBSTANCE			2
8	93465383	DECAL, SERVICE VALVE			1
9	92867415	DECAL, CLOSE DOORS			1
10	93165959	DECAL, ROTATING FAN			1
11	46663095	DECAL, TIE DOWN			4
12	92867449	DECAL, REFER TO HANDBOOK			4
13	92930650	DECAL, EMERGENCY STOP			1
14	93171239	DECAL, ENGINE OIL DRAIN			1
15	93171247	DECAL, COOLANT DRAIN			1
16	92930593	DECAL, ELECTRIC SHOCK			1
17	92930585	DECAL, PRESSURISED VESSEL			1
18	92867530	DECAL, HOT SURFACE			4
19	92867449	DECAL, REFER TO HANDBOOK			2
20	93171254	DECAL, DIESEL FUEL			1
21	46663243	DECAL, COOLANT FILL			1
22	89298491	DECAL, PROTEC OIL			1
23	46663244	DECAL, HEARING PROTECTION			1
24	46663242	DECAL, MAINTENANCE IN PROGRESS			1
25	46663241	DECAL, DO NOT START			1
26	92976042	DECAL, EXHAUST GAS DISCHARGE			1
27	92930650	DECAL, EMERGENCY STOP			1
28	54629977	DECAL, ISO CENTRAL DRAIN			1

OPTION - NO LIGHTS

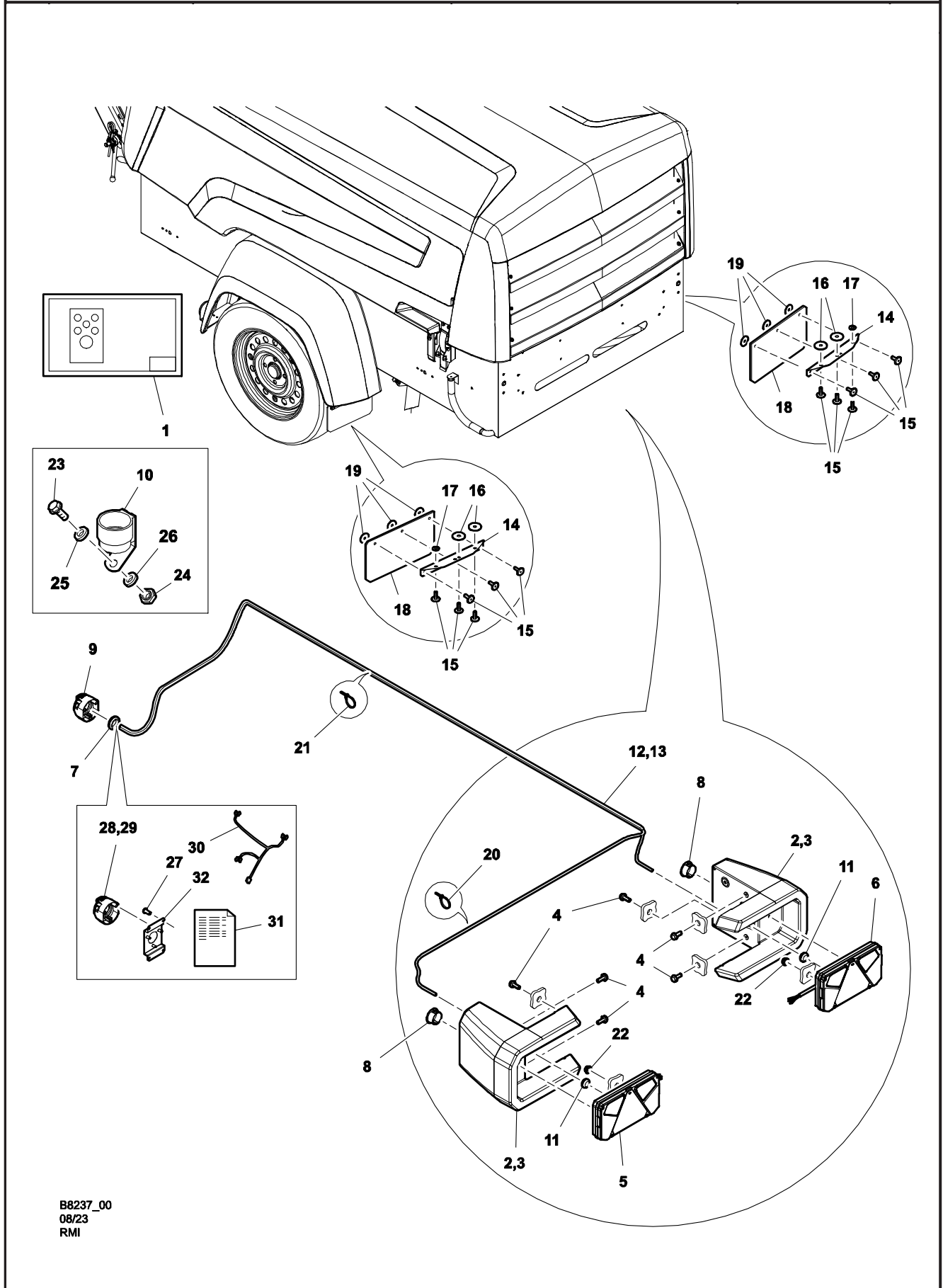


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OPTION - NO LIGHTS

Item	Part Number	Description	Remarks	Serial Number	Qty
1	92721331	REFLECTOR, RED			2
2	92271923	RIVET	3/16" x 5/8"		4

OPTION - ROAD LIGHTS

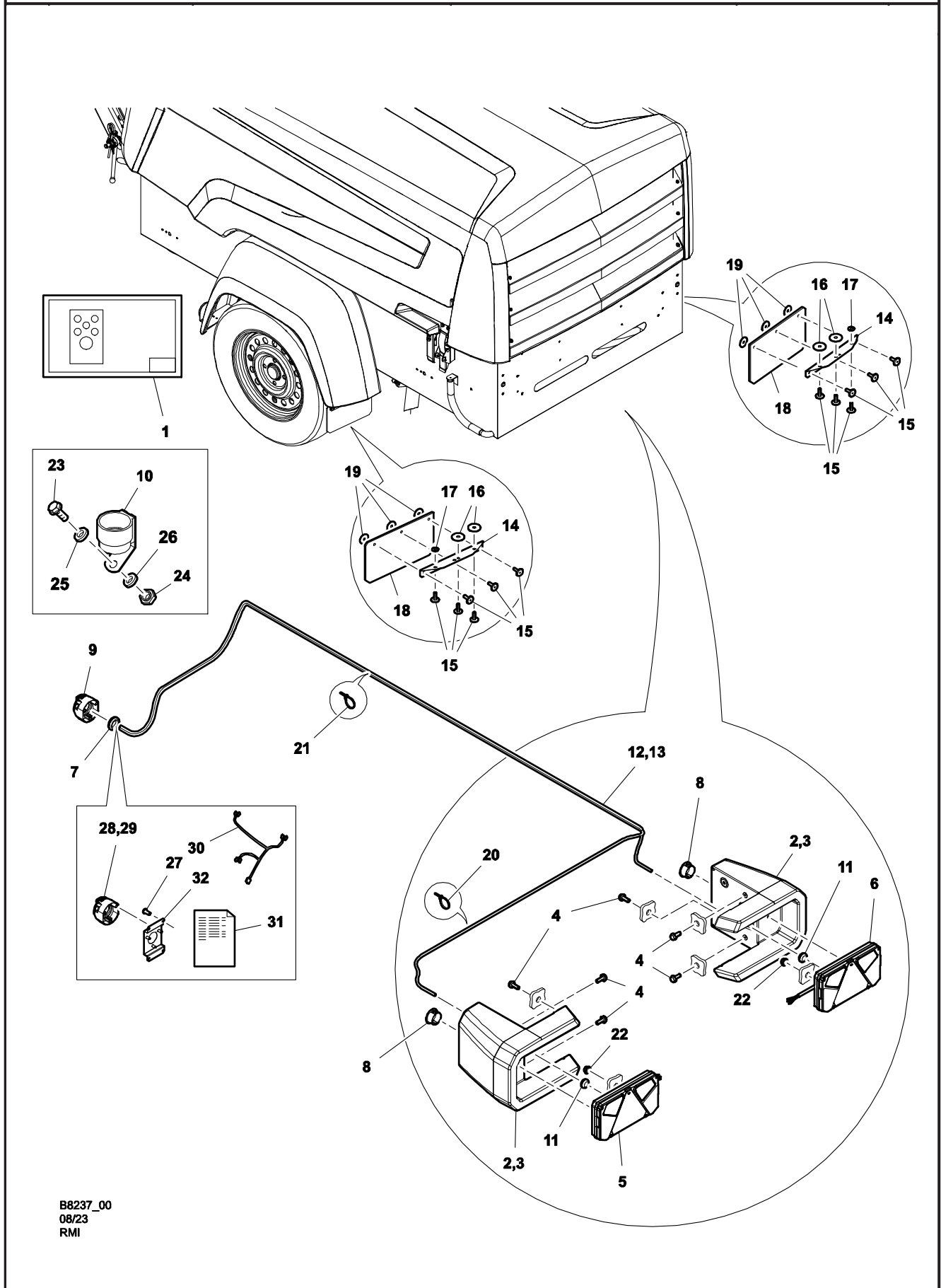


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OPTION - ROAD LIGHTS

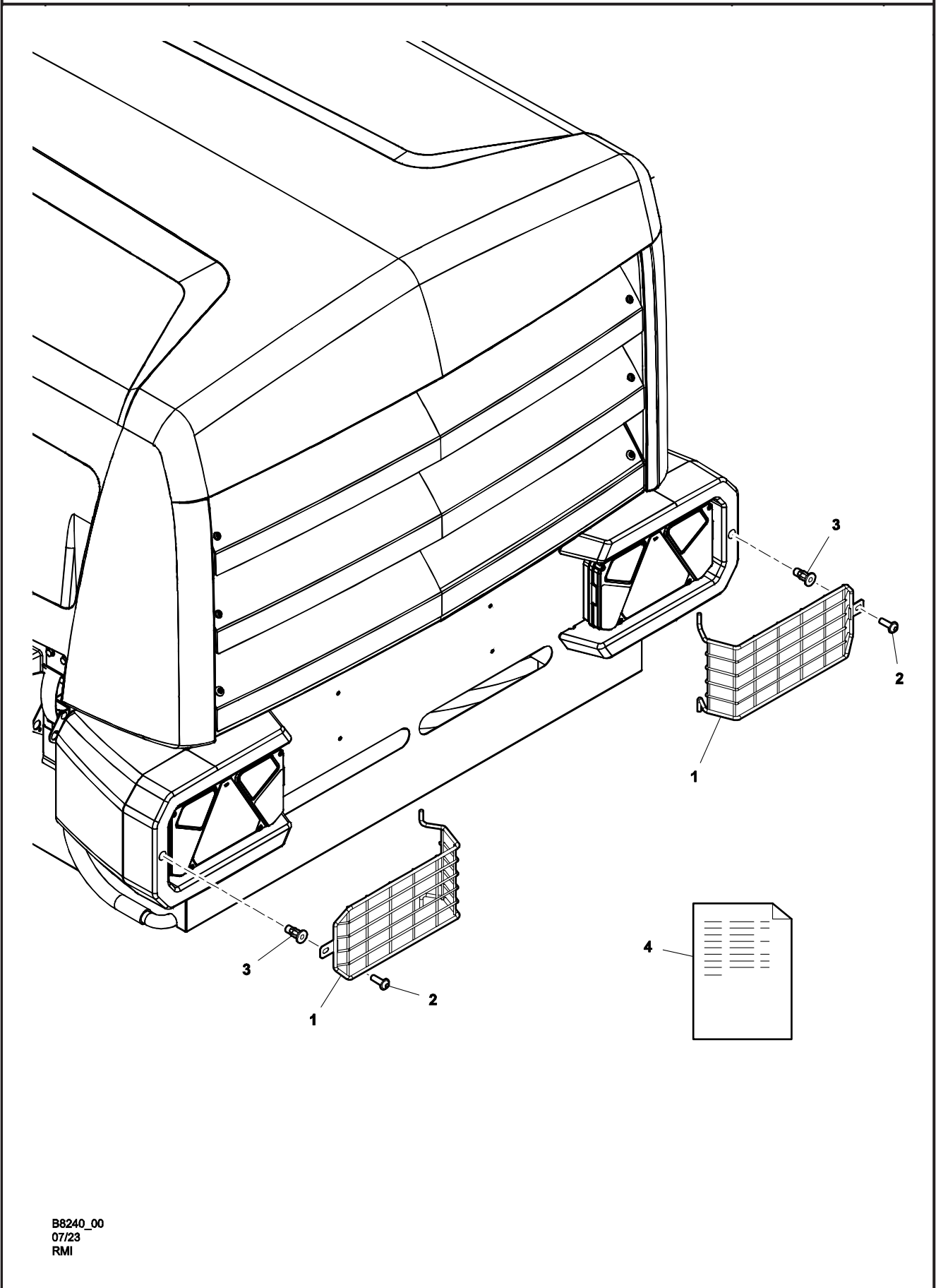
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46837998	DIAGRAM, WIRING			1
2	46827125	BUMPER CORNER ASSEMBLY	W/Ref. 3		2
3	46826606	BUMPER			1
4	92096015	SCREW	(M6 x 16)		8
5	46826826	LEFT LAMP, REAR			1
6	46826827	RIGHT LAMP, REAR			1
7	46830565	GROMMET			1
8	23102387	PLUG			2
9	46830028	PLUG, 13-PIN			1
10	46556766	HOLDER, PLUG			1
11	46830566	GROMMET			2
12	46677584	TERMINAL	(ground, brake light, reverse light, fog light)		4
13	46677574	TERMINAL			4
14	46820065SZ	BRACKET			2
15	46560699	RIVET			12
16	23076656	WASHER	(M6 x 25)		4
17	92304583	WASHER	(M5)		2
18	46820707	FLAP, SPLASHGUARD			2
19	23076656	WASHER	(M6 x 25)		6
20	35356591	TIE, CABLE			5
21	92434315	TIE, CABLE			13
22	96704176	NUT	(M6)		4
23	92101112	SCREW	(M8 x 25)		1
24	92304559	NUT	(M8)		1
25	92687664	WASHER	(M8)		1
26	96701396	WASHER	(M8)		1
27	92863679	RIVET	(socket option only) - (M4.8 x 10)		4
28	46838788	SCREW	(socket option only) - (M5 x 30)		3
29	46837896	SOCKET, 13 PIN	(socket option only)		1
30	46625160	HARNESS	(socket option only)		1
31	46838846	DIAGRAM, INSTALLATION	(socket option only)		1

OPTION - ROAD LIGHTS (CONT'D)



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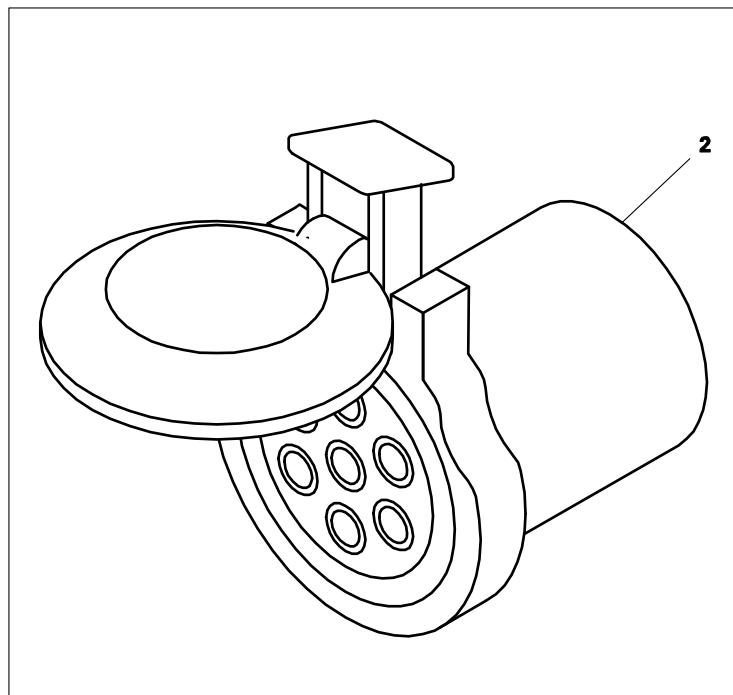
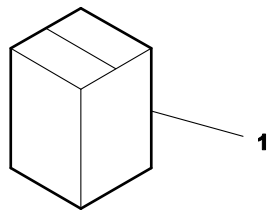
OPTION - LIGHTS PROTECTION



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OPTION - LIGHTS PROTECTION					
Item	Part Number	Description	Remarks	Serial Number	Qty
1	46830285	GRID, LAMP			2
2	46672836	SCREW	(M6 x 20)		2
3	46827345	NUT, JACK	(M6)		2
4	46841622	DIAGRAM, INSTALLATION			1

OPTION - LIGHTING PLUG ADAPTOR

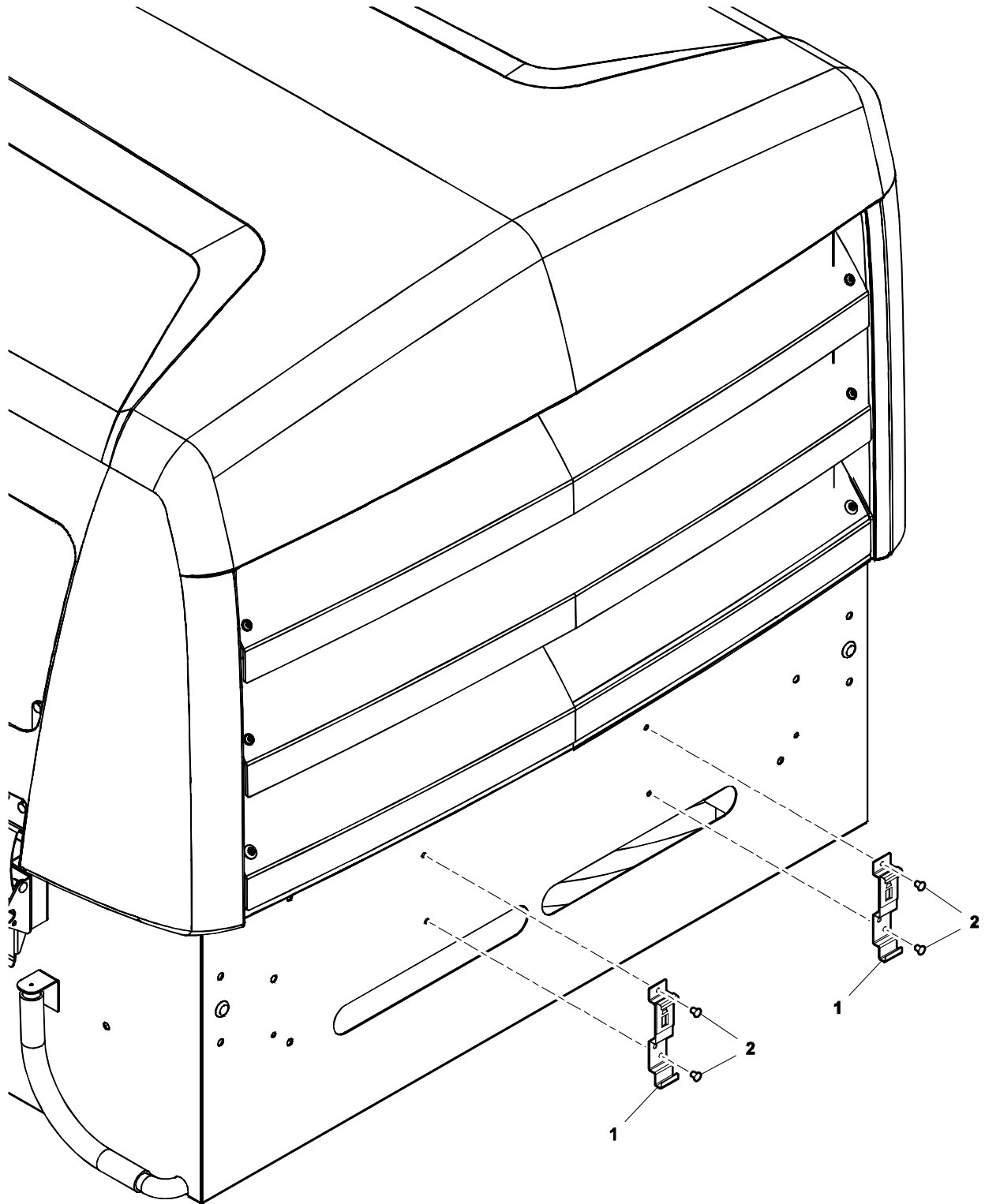


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OPTION - LIGHTING PLUG ADAPTOR

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46557458	KIT, LIGHTING PLUG ADAPTER	W/Ref. 2 - (13 pins to 7 pins)		1
2	46550643	ADAPTOR, LIGHTING PLUG	(13 pins to 7 pins)		1

OPTION - NUMBER PLATE CLIPS

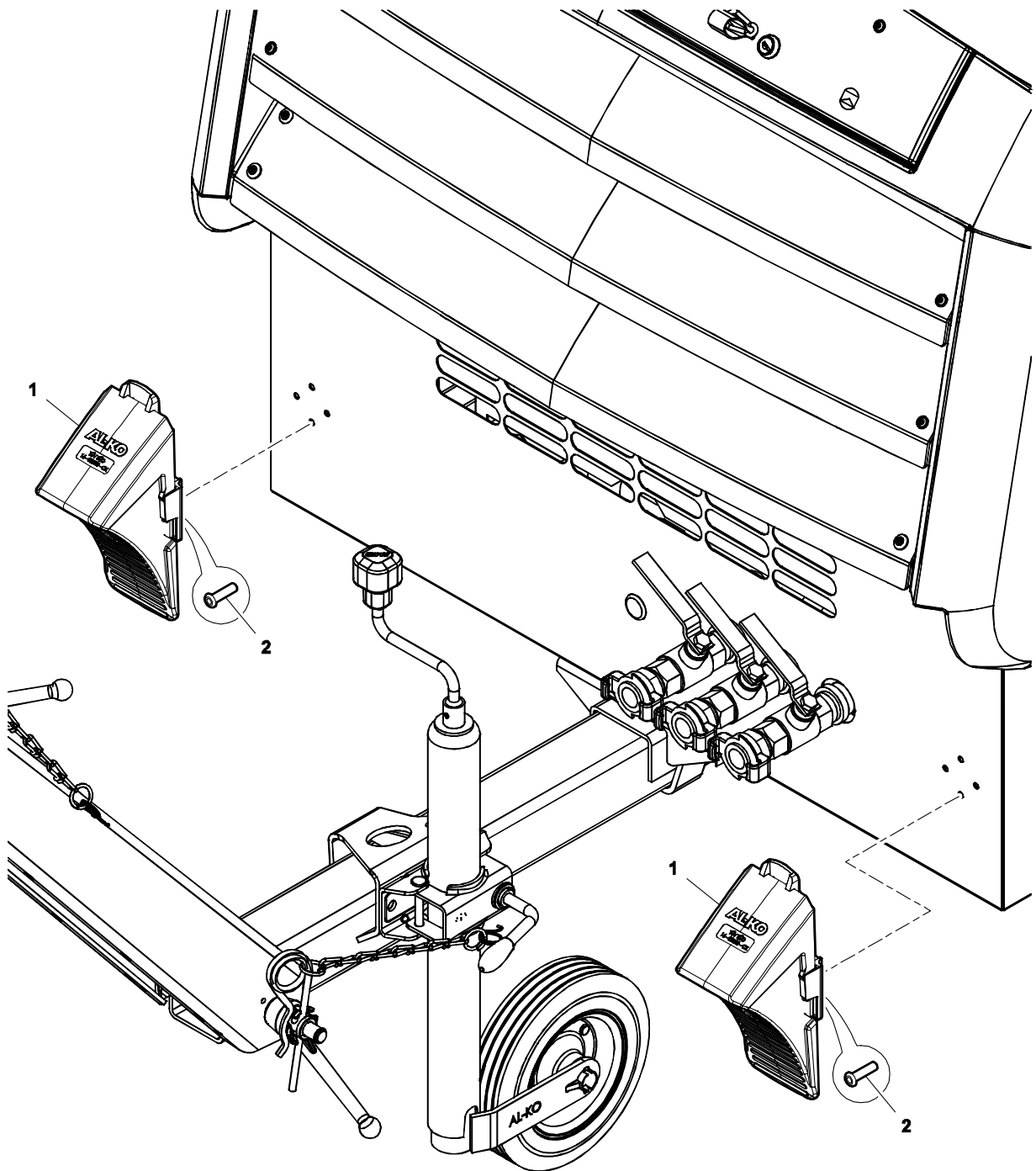


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RMI

OPTION - NUMBER PLATE CLIPS					
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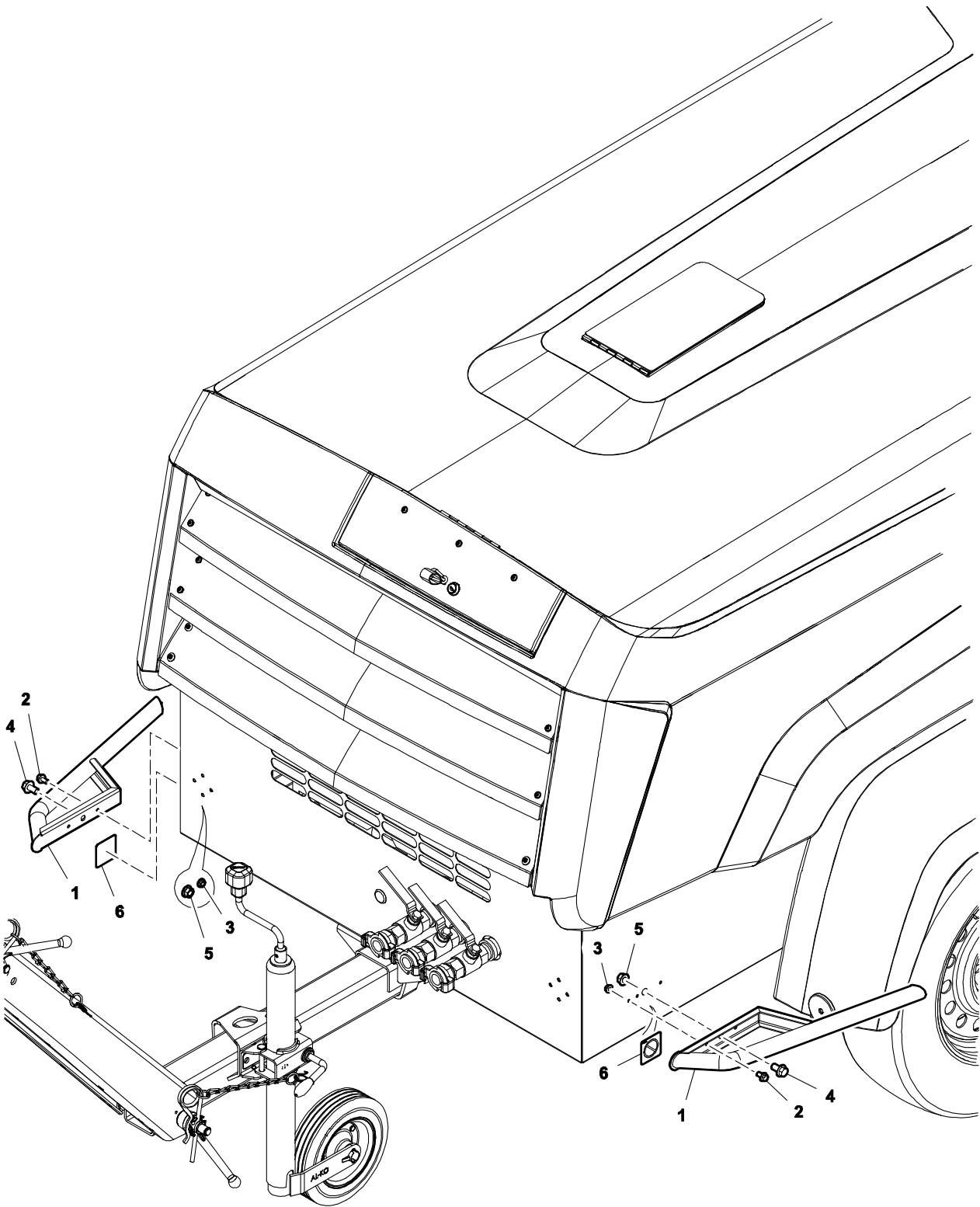
Item	Part Number	Description	Remarks	Serial Number	Qty
1	92962547	CLIP, NUMBER PLATE			1
2	36794816	RIVET			4

OPTION - WHEEL CHOCKS



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07/23
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OPTION - SAFETY GUARDS

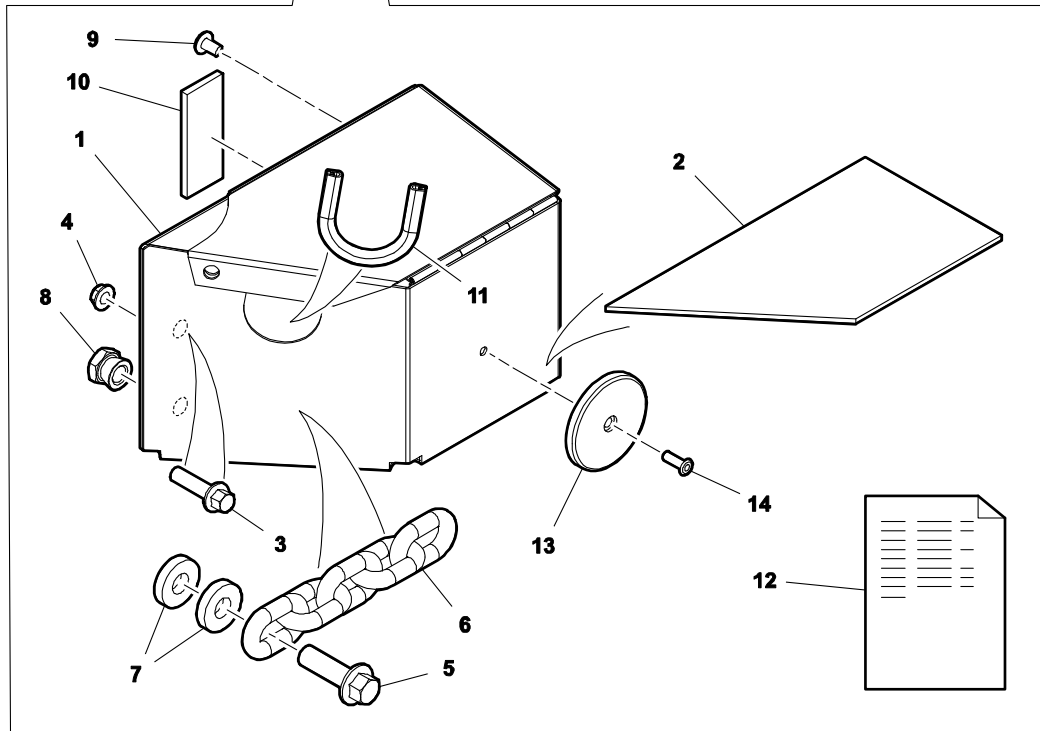
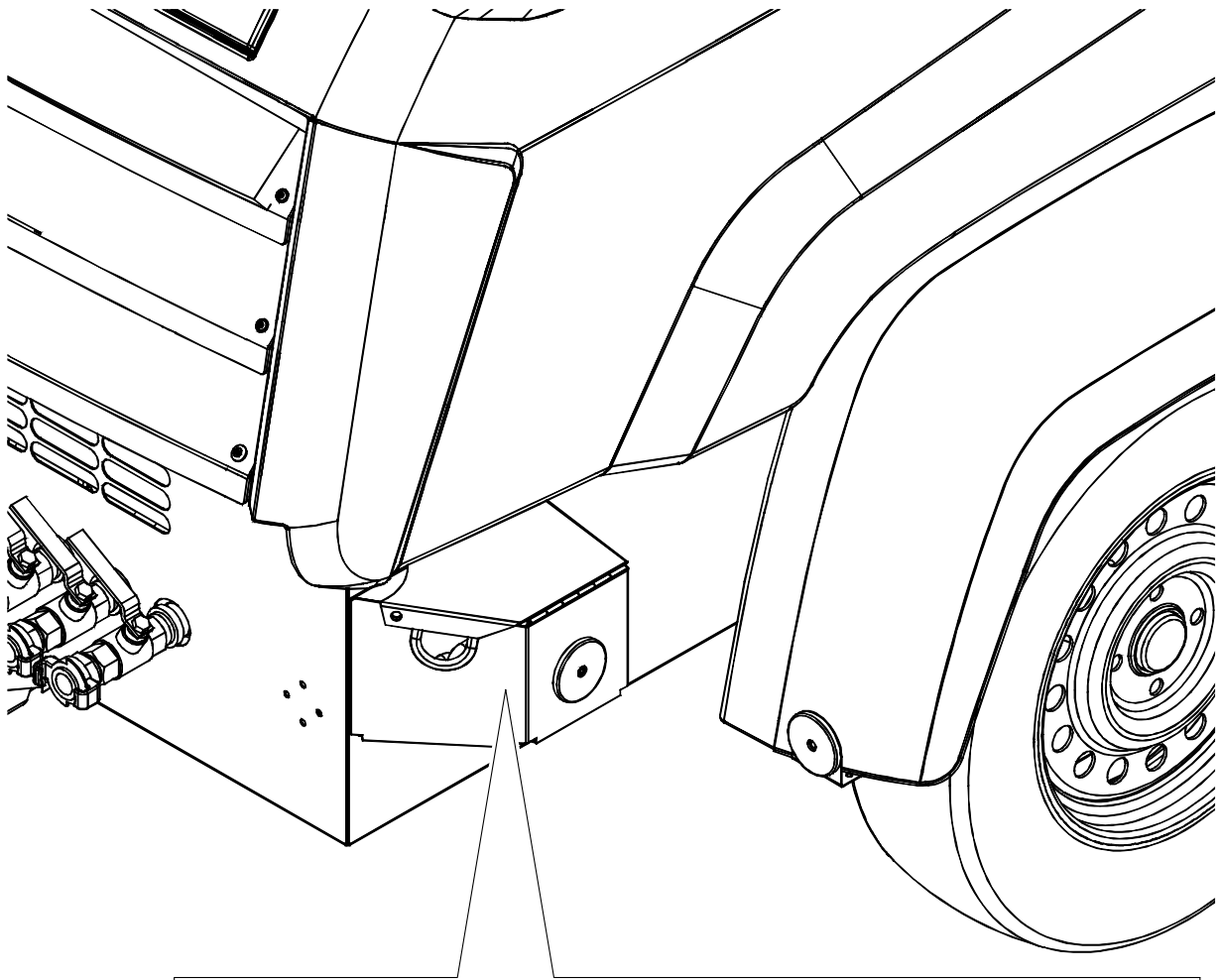


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OPTION - SAFETY GUARDS

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46833009SZ	GUARD, SAFETY			2
2	96750575	SCREW	(M5 x 10)		4
3	96728274	NUT	(M5)		4
4	96737549	SCREW	(M10 x 20)		2
5	92473594	NUT	(M10)		2
6	46553802	DECAL, DO NOT USE AS STEP			2

OPTION - SECURITY CHAIN



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OPTION - SECURITY CHAIN

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46832669SZ	BOX, CHAIN			1
2	46833006	PAD, CHAIN BOX			1
3	96728480	SCREW	(M8 x 16)		1
4	92398114	NUT	(M8)		1
5	36877793	SCREW	(M12 x 40)		1
6	23169428	CHAIN			1
7	46552157	WASHER	(M12)		2
8	46683059	NUT	(M12)		1
9	36794816	RIVET			2
10	46502787	SEAL	0,045 m long		1
11	22293419	SEAL, U-PROFILE	0,13 m long		1
12	46841428	DIAGRAM, INSTALLATION			1
13	92121243	REFLECTOR, AMBER			1
14	22054498	RIVET			1





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