POWERED BY BRIGGS & STRATTON

BPR1000 SITE-MATE SERIES

TRACKED FRONT END LOADER MINI DUMPER



Bäumr-AG®

User Manual

[Revision 3.0 October 2023]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

The product is NOT supplied with engine oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate engine oil of the correct type to the engine before use. **Failure to add engine oil will void the product warranty**.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well it.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

© 2023 Baumr-AG

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Wherever possible, use a residual current device (RCD).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Understand Your Machine

- Read this manual and labels affixed to the machine to understand its limitations and potential hazards.
- Be thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.
- Make sure to read and understand all the instructions and safety precautions as outlined in the Engine Manufacturer's manual. Do not attempt to operate the machine until you fully understand how to properly operate and maintain the engine and know how to avoid accidental injuries and/or property damage.
- If the unit is to be used by someone other than original purchaser, or is to be loaned, rented, or sold, always provide this manual and any needed safety training before operation. The user can prevent and is responsible for accidents or injuries that may occur to themselves, to other people, or to property. Do not force the machine beyond its limits. Use the correct machine for your application.

Personal Safety

- Do not permit children to operate this machine at any time.
- Keep children, pets, and other people not using the unit away from the work area. Be alert and shut off the unit if anyone enters work area. Keep children under the watchful care of a responsible adult.
- Do not operate the machine while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.
- Dress properly: Wear long, heavy pants, work boots, and work gloves. Do not wear loose clothing, short pants, or jewellery of any kind. Secure long hair so it is above shoulder level. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery, or long hair can be caught in moving parts.
- Protect eyes, face, and head from objects that may be thrown from the unit. Always wear safety goggles or safety glasses with side shields when operating.
- Wear appropriate hearing protection.
- Always keep hands and feet away from all moving parts during operation. Moving parts can cut or crush body parts.
- Always keep hands and feet away from all pinch points.
- Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.
- Stay alert, watch what you are doing, and use common sense when operating the machine.
- Do not overreach. Do not operate the machine while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations.

Inspect Your Machine

- Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts, bolts, etc., are securely tightened.
- Never operate the machine when it needs repair or is in poor mechanical condition. Replace damaged, missing, or failed parts before using it. Check for fuel leaks. Keep the machine in safe working condition.
- Do not use the machine if the engine's switch does not turn off the engine when running. Any gasoline powered machine that can't be controlled with the engine switch is dangerous and must be replaced.
- Regularly check to see that the keys and adjusting wrenches are removed from the machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.
- Avoid accidental starting. Be sure the engine's switch is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with its switch on invites accidents.
- If the machine should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning sign of trouble.

© 2023 Baumr-AG

Engine Safety

- This machine is equipped with an internal combustion engine. Do not use on, or near, forest-covered or brush-covered land unless the exhaust system is equipped with a spark arrester meeting applicable local, state, or federal laws.
- A spark arrester is required by law in some states. A spark arrester, if used, must be maintained in effective working order by the operator.
- Never start or run the engine inside a closed area. The exhaust fumes are dangerous, containing carbon monoxide, an odourless and deadly gas. Operate this unit only in a well-ventilated outdoor area.
- Do not tamper with the engine in an effort to get it to run at higher speeds. The maximum engine speed is pre-set by the manufacturer and is within safety limits. See engine manual.
- Keep a Class B fire extinguisher on hand when operating this machine in dry areas as a precautionary measure.

Fuel Safety

- Fuel is highly flammable, and its vapours can explode if ignited. Take precautions when using to reduce the chance of serious personal injury.
- When refilling or draining the fuel tank, use an approved fuel storage container while in a clean, well-ventilated outdoor area. While adding fuel or operating the unit, do not smoke, and stay away from sparks, open flames, or other sources of ignition near the area of operation. Never fill the fuel tank indoors.
- To avoid sparking or arcing, keep grounded conductive objects – such as tools – away from exposed, live electrical parts and connections. These events could ignite fumes or vapours.
- Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot. Do not operate the machine with known leaks in the fuel system.
- Loosen the fuel tank cap slowly to relieve any pressure in the tank.
- Never overfill the fuel tank. Because engine heat can cause fuel to expand, never fill the tank to more than 1/2” below the bottom of the filler neck. This will provide space for fuel expansion.
- Replace all fuel tank and container caps securely and wipe up spilled fuel. Never operate the unit without the fuel cap securely in place.
- Avoid creating a source of ignition for spilled fuel. If fuel is spilled, do not attempt to start the engine. Instead, move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapours have dissipated.
- When fuel is spilled on yourself or your clothes, wash your skin and change clothes immediately.
- Store fuel in containers specifically designed and approved for fuel storage.
- Store fuel in a cool, well-ventilated area, safely away from sparks, open flames, or other sources of ignition.
- Never store fuel – or a machine with fuel in the tank – inside a building where fumes may reach a spark, open flame, or any other source of ignition (such as a water heater, furnace, or clothes dryer). Allow the engine to cool before storing in any enclosure.
- Thoroughly inspect the area to be worked, keep the working area clean and free of debris to prevent tripping. Operate on a flat level ground.
- Never place any part of your body where it would be in danger if movement should occur during assembly, installation, and operation, maintenance, repairing or moving.
- Keep all bystanders, children, and pets at least 23m (75 feet) away. If you are approached, stop the unit immediately.
- Do not mount anything on the dump box and never carry passengers
- Never park the machine in a place with unstable ground which could give way, particularly when it is full.
- Disengage clutch lever before starting the engine.
- Start the engine carefully according to instructions and with feet away from the moving parts.
- Never leave the operating position when the engine is running.
- Always hold the unit with both hands when operating. Keep a firm grip on the handlebars.
- Be aware that the machine may unexpectedly bounce upward or jump forward if the machine should strike buried obstacles such as large rocks or roots.
- Walk, never run with the machine.
- **DO NOT OVERLOAD THE MACHINE CAPACITY. DRIVE AT A SAFE SPEED, ADJUSTING THE SPEED TO THE SLOPE OF THE LAND, THE SURFACE CONDITIONS OF THE ROAD, AND THE WEIGHT OF THE LOAD.**
- Use extreme caution when in reverse or pulling the machine towards you.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- On soft ground, drive at the first forward/ reverse gear. Do not rapidly accelerate, turn sharply or stop.
- Pay the utmost attention when working on frozen ground as the machine may tend to skid.
- Do not operate the machine in confined areas where there may be a risk of crushing the operator between the machine and another object.
- Never operate the machine on slopes where angle is over 20°.
- When operating on a slope, whether moving forward or in reverse, always make certain that the weight is evenly balanced. Always move in directions parallel with the slope. Do not shift gears on slopes.
- When dumping the contents of the hopper, the centre of gravity will change continuously, and the ground conditions will be essential for the stability of the machine. Use extra caution and control when dumping the hopper on e.g., wet clay.

© 2023 Baumr-AG

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 **Flammable Material Hazard** Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 **Read User Manual** Read and fully understand product safety warnings, operation, procedures etc before using the product.	 **Use Hand Protection** Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 **Electrocution / Electrical Shock Hazard** High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 **Toxic Fumes / Dust Hazard** Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 **Explosive Material Hazard** Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 **Cutting / Amputation Hazard** The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 **Crush Hazard** The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 **Single Operator Only** The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 **Use Face Protection** Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 **Use Foot Protection** Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 **Use Eye / Ear / Head Protection** Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.	 **Running Hazard** Do not run on or near the product as doing so may present a fall hazard.	 **Diving Hazard** Do not dive into the product as doing so may present a neck / head injury hazard.	 **Adult Supervision Required** Always supervise children and other users of a product to prevent drowning or injury.
 **Skin Penetration / Puncture Hazard** The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 **Hot Surface Hazard** Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 **Flying Debris Hazard** Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 **Moving Parts Hazard** Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

© 2023 Baumr-AG

 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 **Slope / Fall Injury Hazard** Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 **"Slam Dunk" Warning** Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 **Electrocution / Electrical Shock Hazard - Outdoor** High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 **Electrocution / Electrical Shock Hazard - Disconnect** High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 **Power Line Electrocution Hazard** High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 **"Kick-Back" Hazard** High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 **Winch Operator Position Hazard** Do NOT stand between winch and load. Do NOT use winch to move people.	 **Winch Lift Hazard** Do NOT LIFT load vertically. Use machine to PULL only.	 **Cable Hazard** Ensure that load bearing cable is not kinked or knotted.	 **Winch Cable Hazard** Ensure that there is a minimum number of cable coils on winching mechanism.
 **Winch Hook Hazard** Carry hook to load – do NOT throw or run.	 **Flash / Blinding Hazard** Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 **Laser Hazard** Laser may be in use – do NOT look directly at laser or allow others to.	

© 2023 Baumr-AG

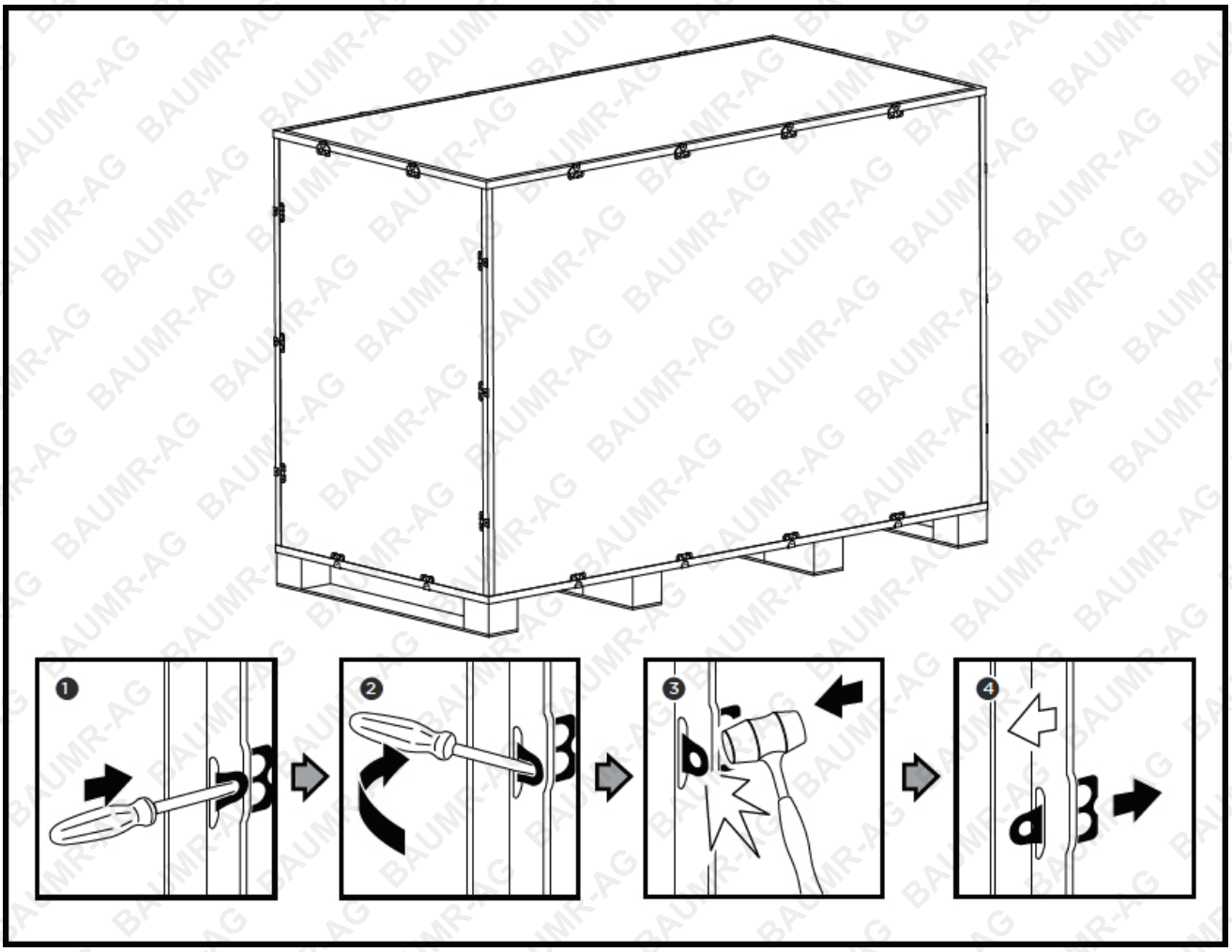
Table of Contents

Safety **2**
Safety Symbols 5
Unpacking the Container **8**
Parts Identification **9**
Assembly **10**
Control Lever Assembly 10
Handle Assembly 11
Shovel Assembly 12
Engine Oil 13
Features and Controls **14**
Operation **19**
Add Oil to Engine 19
Add Fuel to Engine 20
Starting the Engine 20
Operating the Dumper 21
Idle Speed 22
Stopping the Engine 22
Maintenance **23**
Preventive Maintenance 23
Hydraulic Oil 23
Tightening the Tracks 25
Replacing the Tracks 27
Lubrication 29
Adjusting the Parking Cable 30
Tyre Pressure 32
Engine Maintenance 32
Storage **33**
Troubleshooting **34**
Specifications **35**

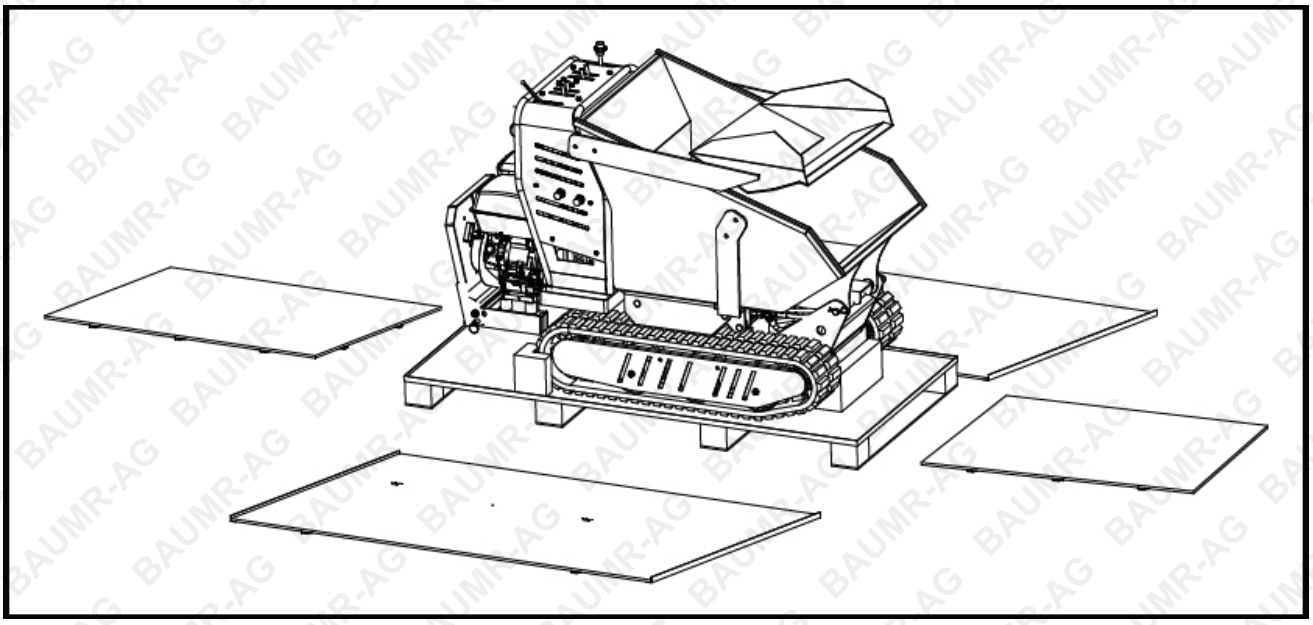
© 2023 Baumr-AG

Unpacking the Container

1. Use the screwdriver and hammer to open all the side locks.



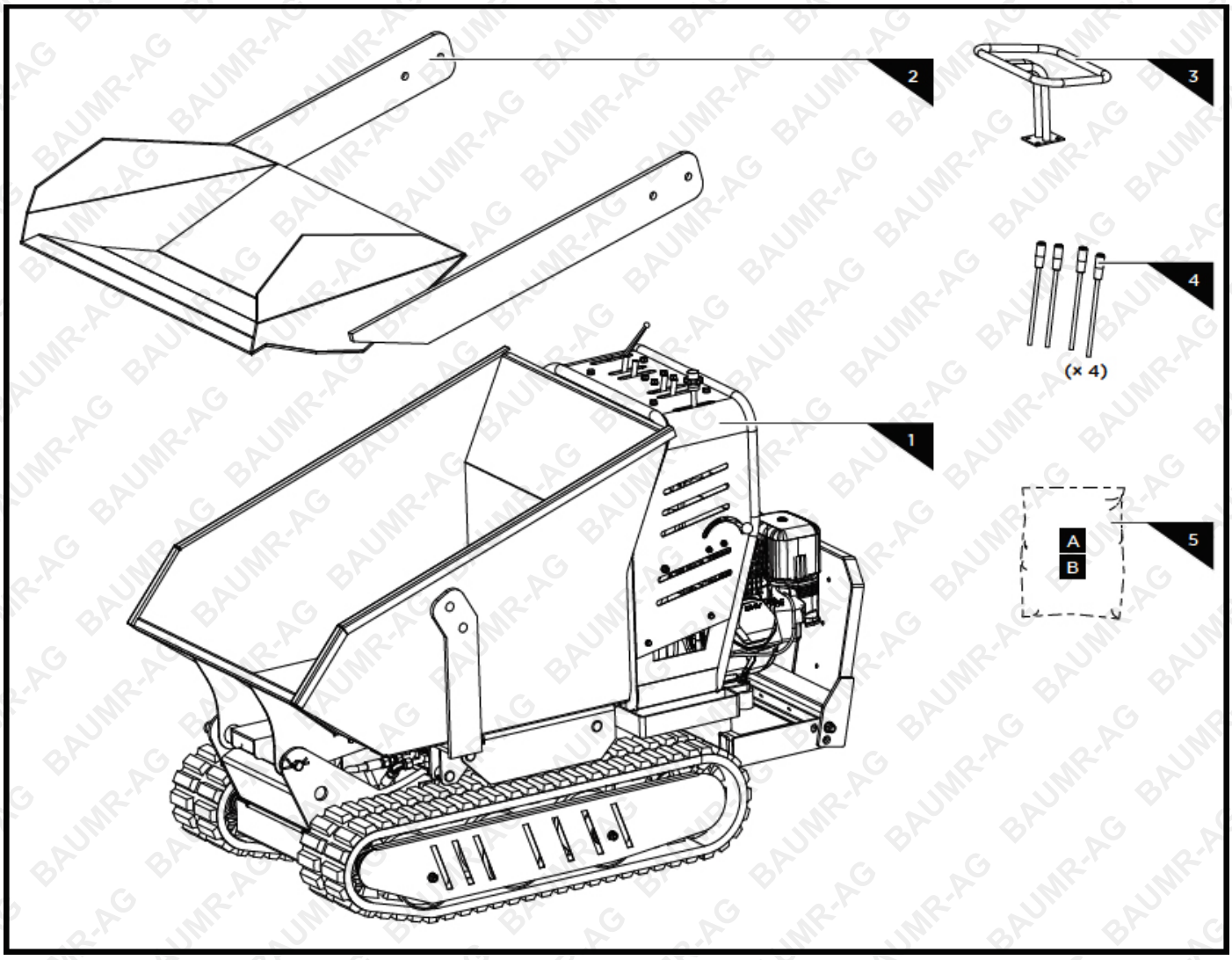
2. Remove all the plywood plates and remove all the loose parts on the bottom pallets.



© 2023 Baumr-AG

Parts Identification

The Mini Tracked Dumper comes partially assembled and is shipped in carefully packed package. After all the parts have been removed from the package, you should have:



No.	Name
1	Main Body
2	Self-Loading Shovel
3	Handle Assembly
4	Control Lever
5	Hardware Bag

Spare parts available for purchase, scan QR code below:

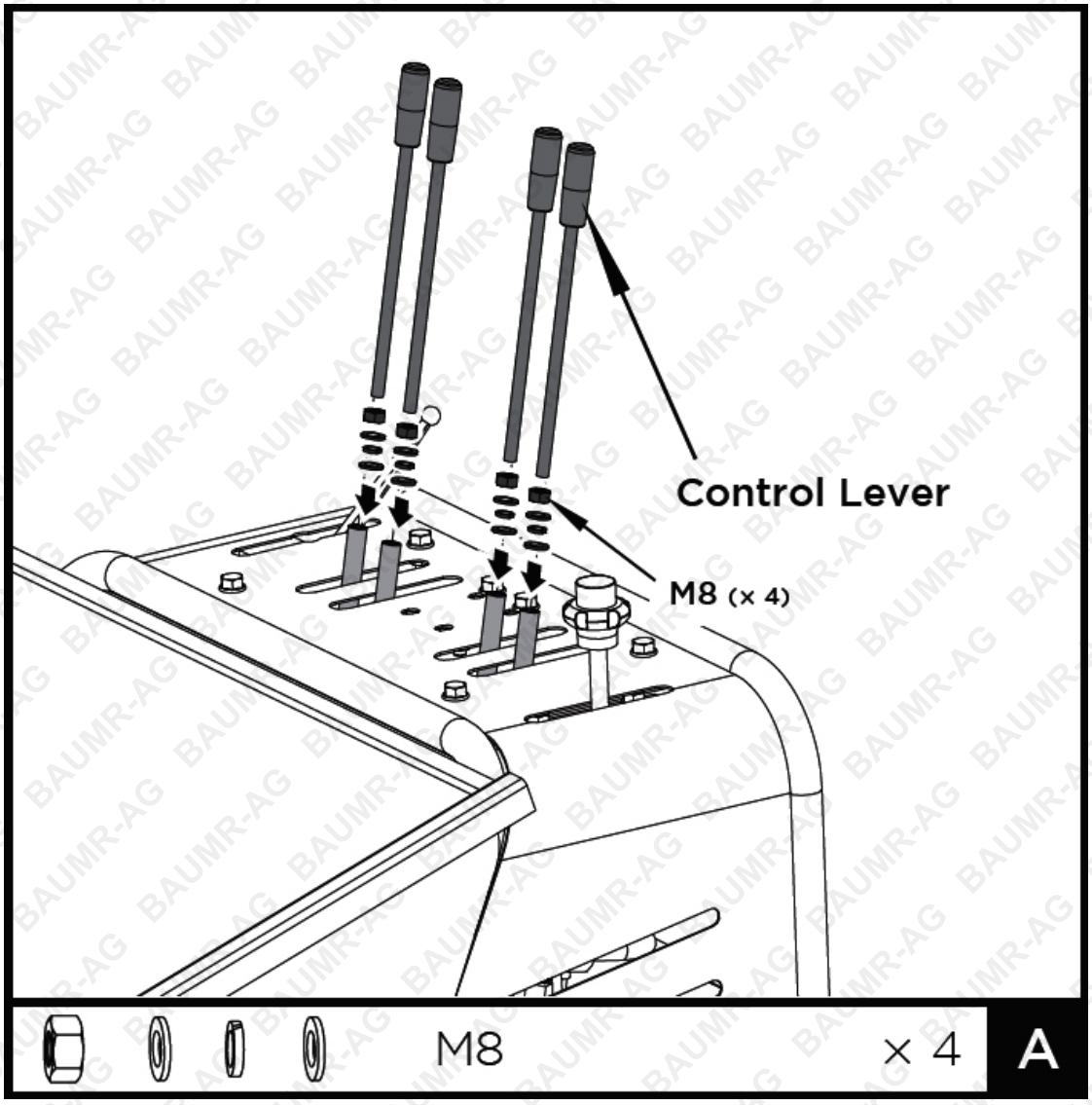
© 2023 Baumr-AG

Assembly

This Mini Tracked Dumper was partially assembled at the factory. To assemble your machine, follow the below instructions.

Control Lever Assembly

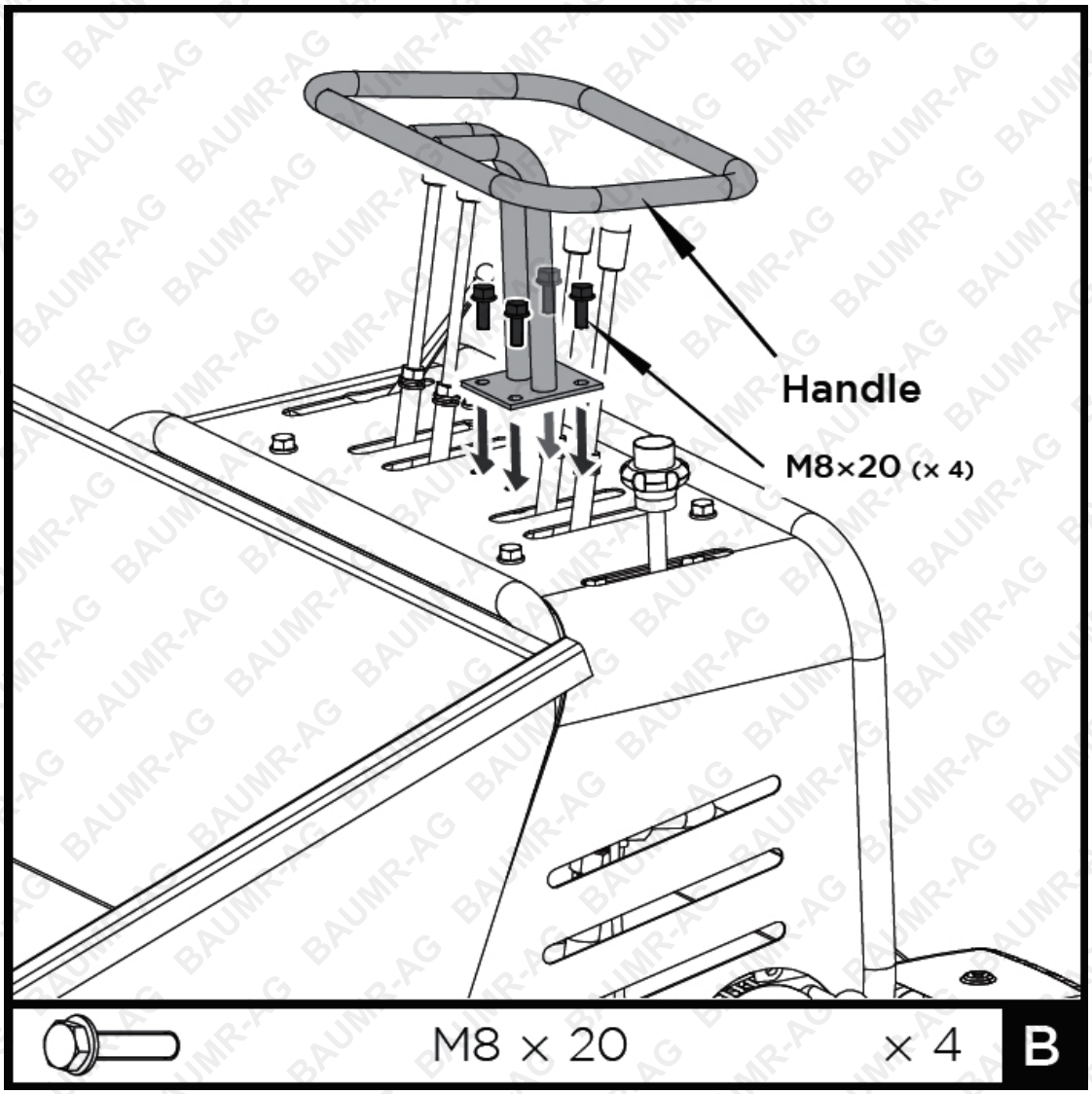
Insert the control levers into the connecting sleeves with M8 nuts and washers. Tighten the nuts.



© 2023 Baumr-AG

Handle Assembly

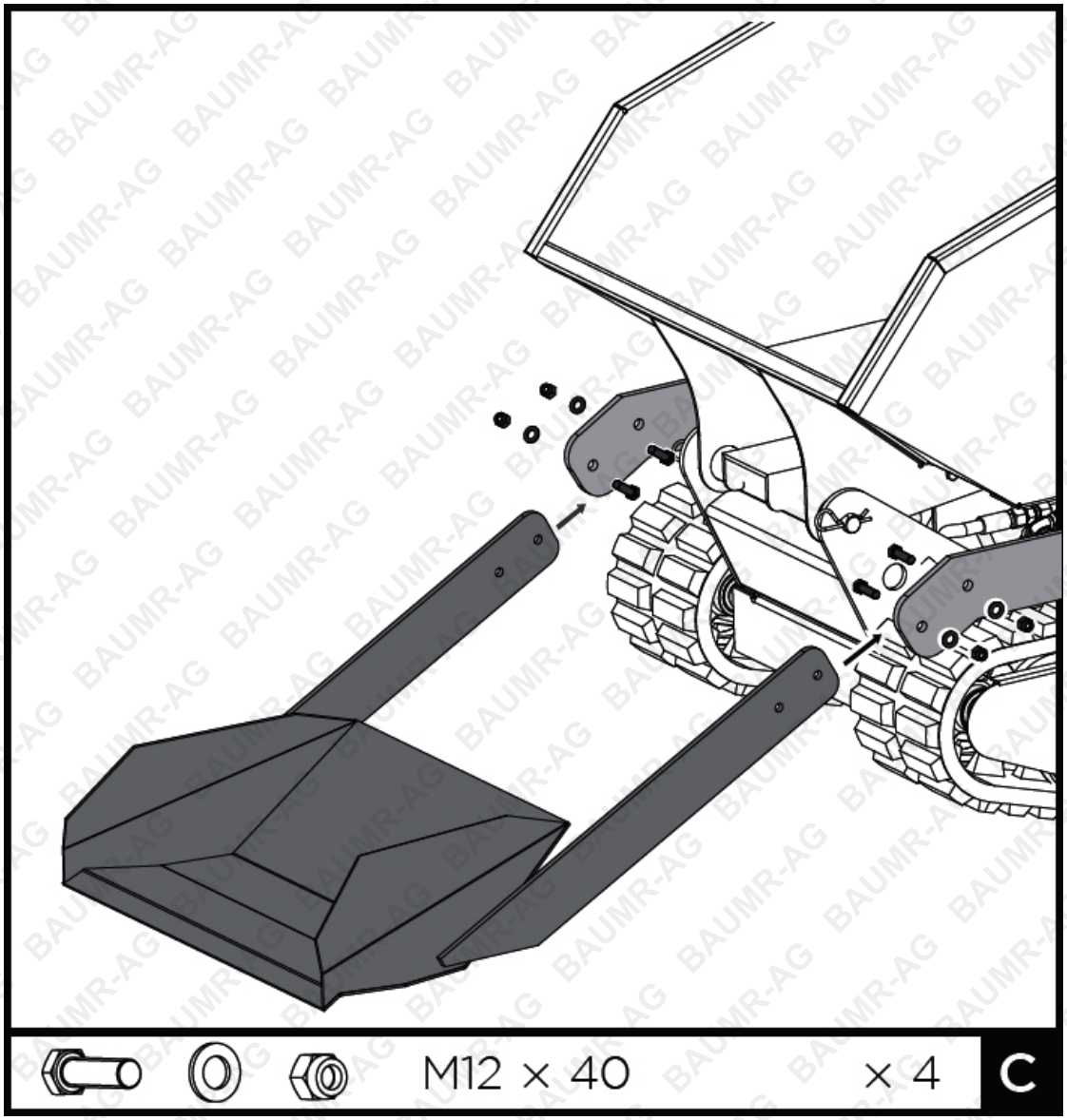
Tightly fix the handle frame assembly on the operation board with four M8×20 bolts.



© 2023 Baumr-AG

Shovel Assembly

Attach the connecting plates of the self-loading shovel to the connecting plates of the chassis from outside and align the holes. Secure the connection with two M12x40 bolts, washers and nuts on both sides.

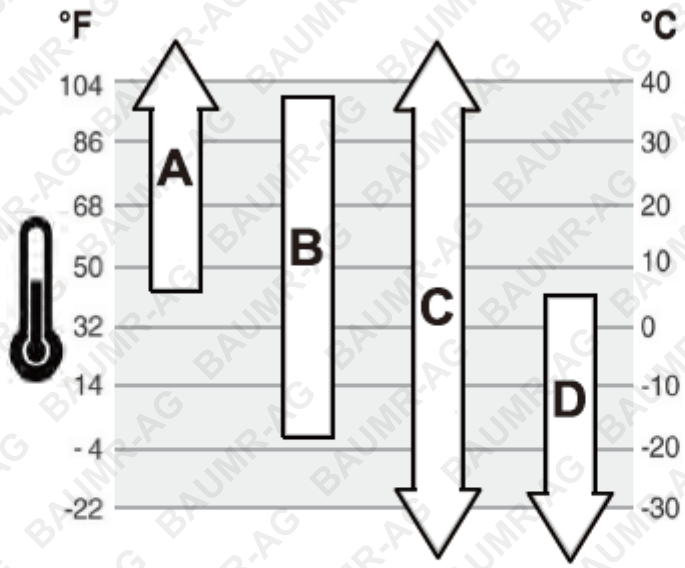


© 2023 Baumr-AG

Engine Oil

OIL HAS BEEN DRAINED FOR SHIPPING. Failure to fill engine sump with oil before starting engine will result in permanent damage and void engine warranty.

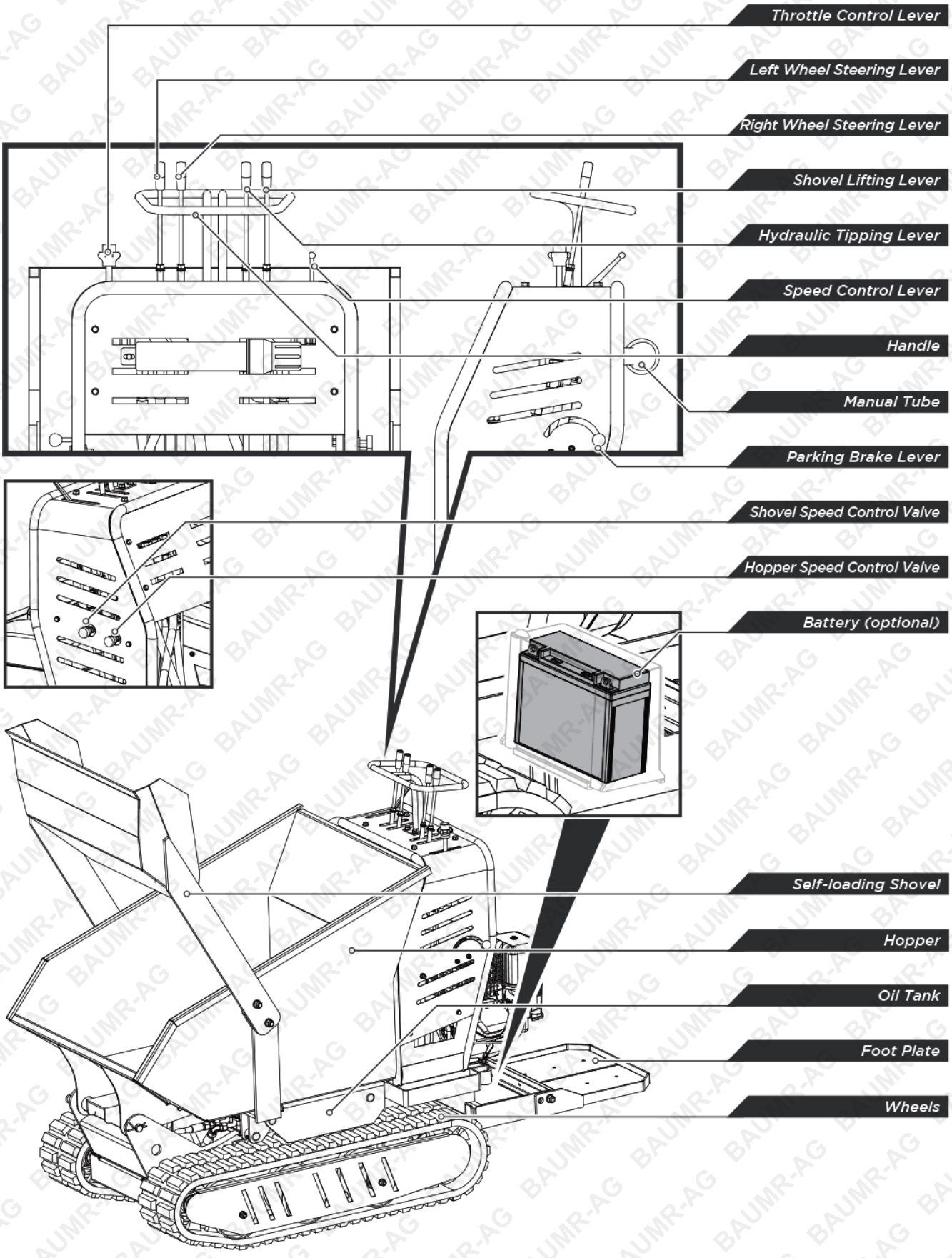
Add oil according to Engine Manual packed separately with your track dumper.



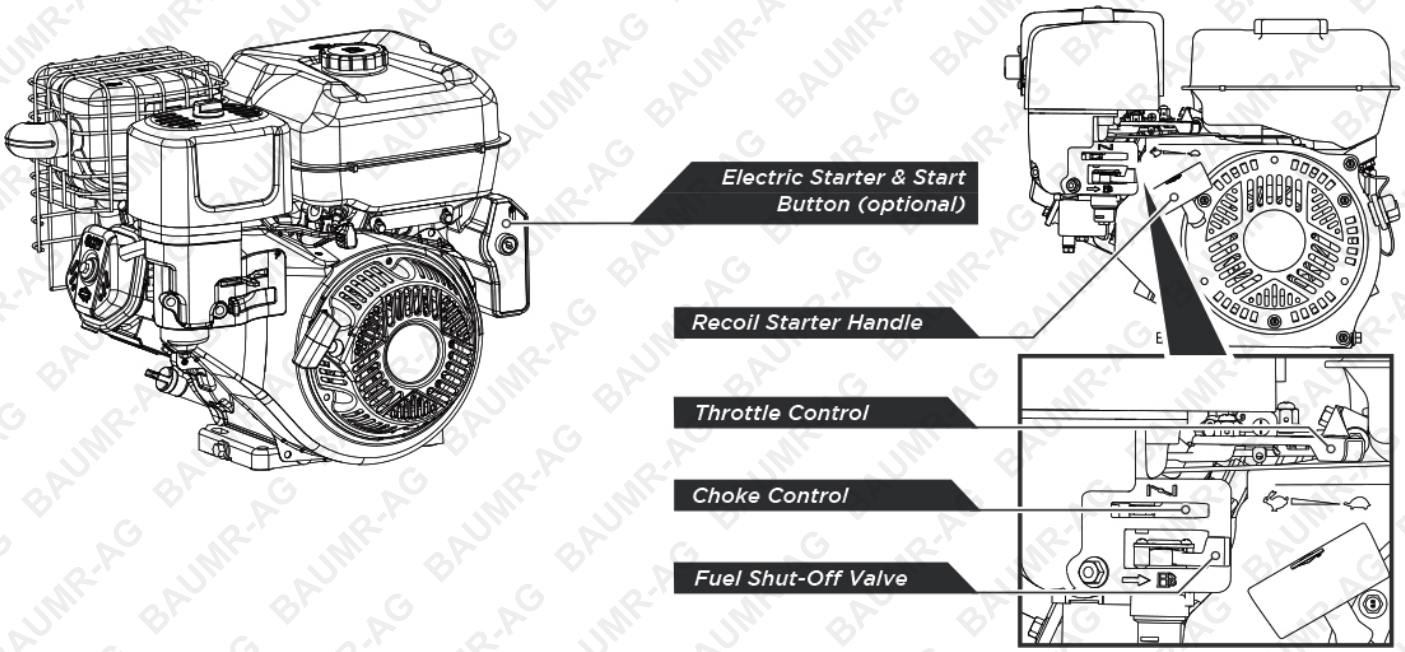
A	**SAE 30 -** Below 40 °F (4 °C) the use of SAE 30 will result in hard starting.
B	**10W-30 -** Above 80 °F (27 °C) the use of 10W-30 may cause increased oil consumption. Check oil level more frequently.
C	**Synthetic 5W-30**
D	**5W-30**

© 2023 Baumr-AG

Features and Controls



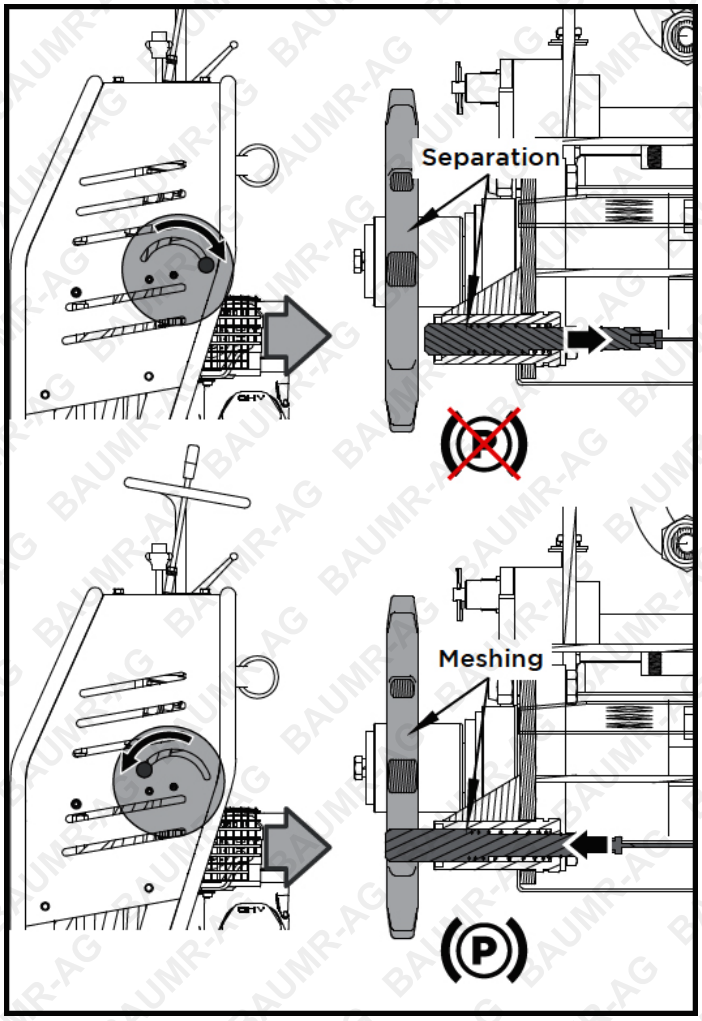
© 2023 Baumr-AG



Parking Brake Lever

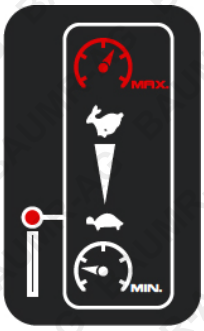


To release the brake, pull the brake lever to the operator's direction. At this position, the machine can be driven and turned freely. To engage the brake, push the brake lever to the opposite direction of the operator. At this position, the machine cannot be moved.



© 2023 Baumr-AG

Speed Control Lever



The speed control lever only has two positions: the highest speed and the lowest speed.

Always release the clutch control lever before changing speeds. Failure to do so will result in damage to the power barrow.

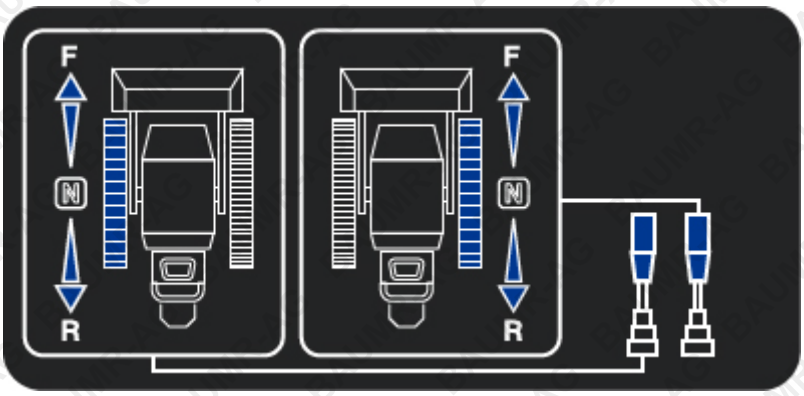
Slower speeds are for heavier loads, while faster speeds are for transporting light loads or an empty hopper. It is recommended that you use a slower speed until you are familiar with the operation of the power track barrow.

If the engine slows down under a load or the tracks slip, shift the machine into a lower gear.

If the front of the machine rides up, shift the machine into a lower gear. If the front continues to ride up, lift up on the handles.

Hydraulic Tipping Lever

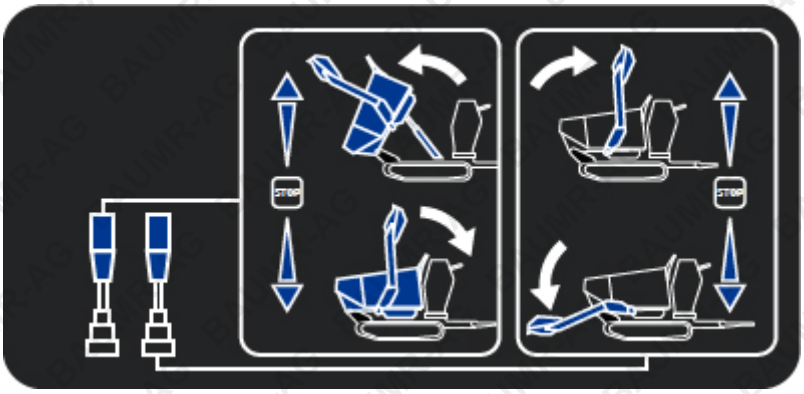
Use your left hand, push the lever to forward direction to tip the hopper, pull back the lever to flat the hopper in its original position.



Left/Right Steering Lever

Operate the lever to turn left/right.

Operate the steering levers only at a reduced speed.



© 2023 Baumr-AG

Shovel Speed Control Valve & Hopper Speed Control Valve

The valves have been set in factory, so no need to adjust them under normal circumstances.

If it's necessary, rotate the valve on the left anti-clockwise to increase the lifting speed of the shovel and clockwise to decrease the speed; rotate the valve on the right anti-clockwise to increase the falling speed of the hopper and clockwise to decrease the speed.

Engine On/Off Switch

The engine switch has two positions.

- OFF: Engine will not start or run.
- ON: Engine will start and run.

Recoil Starter Handle

WARNING! The recoil starter handle is used to start the engine. Under any circumstance do not exceed manufacturer's recommended pressure. Excessive pressure when seating beads may cause tyre/rim assembly to burst with force sufficient to cause serious injury. Refer to side wall of tyre for recommended pressure.

Equal tyre pressure should be maintained at all times. If the tyre pressure is not equal in both tyres, the machine may not travel in a straight path and the scraper blade may wear unevenly.

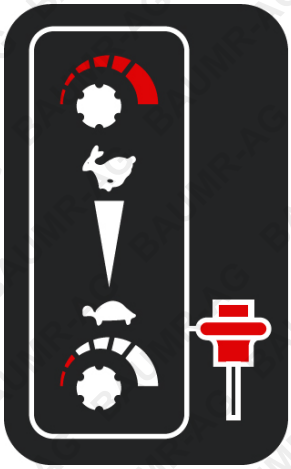
Keep tyres free of gasoline and oil, which can harm rubber.

Fuel Shut-Off Valve

The fuel shut-off has two positions:

- CLOSED ( ): Use this position to service, transport, or to store the unit.
- OPEN ( ): Use this position to run the unit.

Throttle Control



The throttle control regulates the speed of the engine, and moves between FAST , SLOW , and STOP positions. The throttle control will shut off the engine when it is moved to the STOP position.

Choke Control

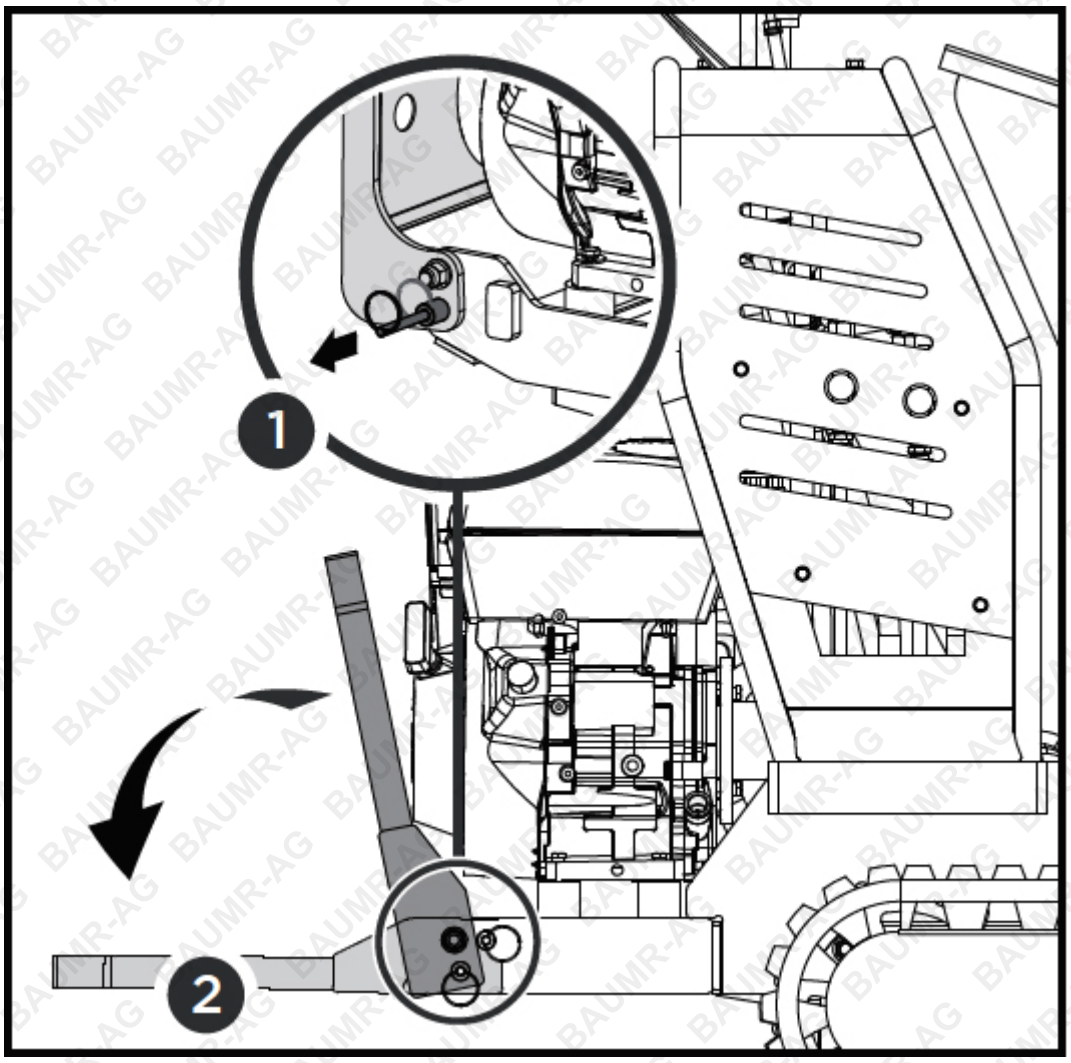
The choke control is used to choke the carburettor and assist in starting the engine. The choke control slides between the CHOKE CLOSED and CHOKE OPEN positions.

Never use choke to stop engine.

© 2023 Baumr-AG

Foot Plate

1. Pull the ring to pull out the pin as shown in step 1, and then rotate the foot plate to level it.
2. Lift the plate up until the rotation pin returns. Thus, the plate can be secured in upright position.



• Turning operation requires the ball valve at low speed. Operate it only after adjusting the throttle according to the actual load. Do not make a turn when the ball valve is at high-speed gear. • For driving, it is necessary to stably control the valve lever. Avoid sudden stop or start in operation. • For normal driving start, it is necessary to stably control the valve lever to start when the ball valve is at low-speed gear. • To stop at high speed, the ball valve needs to be switched to the low-speed gear or small throttle state to stabilize the control valve lever to stop. • During normal driving, do not loosen one of the two travel control valve levers to avoid mis-operation of high-speed turning. • When driving up and down, the foot plate should be closed. Do not stand on the plate to operate the dumper on a slope. • When the self-loading shovel falls back, the valve levers need to be stably controlled to avoid big impact between the shovel and ground.

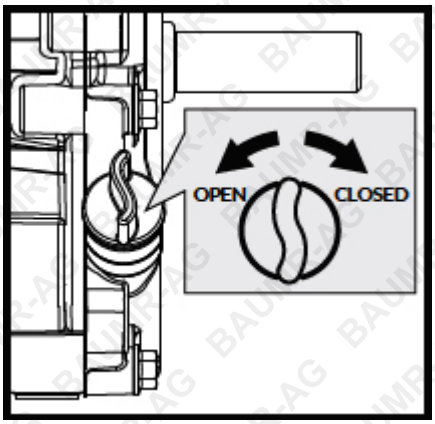
© 2023 Baumr-AG

Operation

Add Oil to Engine

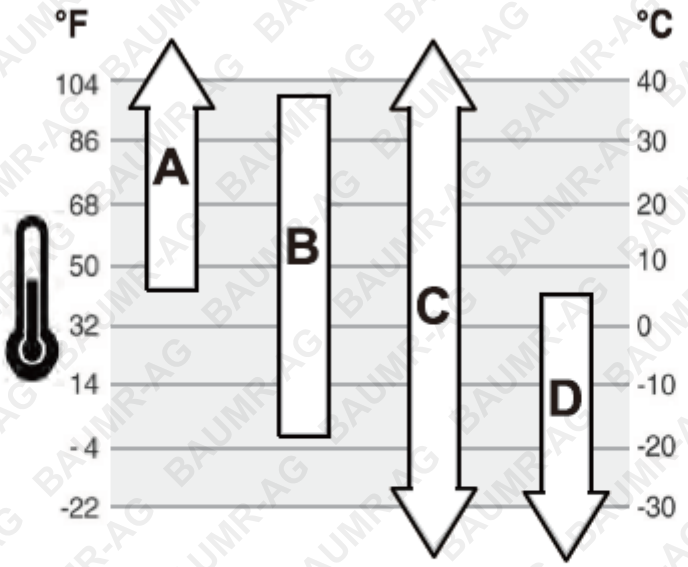
The engine is shipped without oil. Do not start the engine before adding oil. Please refer to your engine manual for the proper grade of oil to add.

1. Make sure the power track barrow is on a flat, level surface.
2. Remove the oil fill cap/dipstick to add oil.



3. Using a funnel, add oil up to the FULL mark on the dipstick. (See engine manual for oil capacity, oil recommendation, and location of fill cap.)

DO NOT OVERFILL. Check engine oil level daily and add as needed.



A	**SAE 30 -** Below 40 °F (4 °C) the use of SAE 30 will result in hard starting.
B	**10W-30 -** Above 80 °F (27 °C) the use of 10W-30 may cause increased oil consumption. Check oil level more frequently.
C	**Synthetic 5W-30**
D	**5W-30**

© 2023 Baumr-AG

Add Fuel to Engine

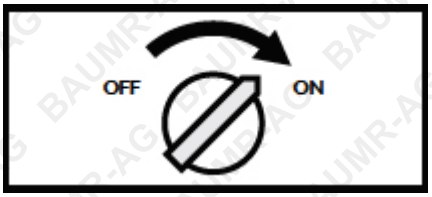
WARNING! Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling gasoline. Fill the fuel tank outdoors, never indoors. Gasoline vapours can ignite if they collect inside an enclosure. Explosion can result.

1. The engine must be off and allowed to cool OFF ON at least two minutes before adding fuel.
2. Remove the fuel filler cap and fill the tank. (See engine manual for fuel capacity, fuel recommendation, and location of fuel cap).

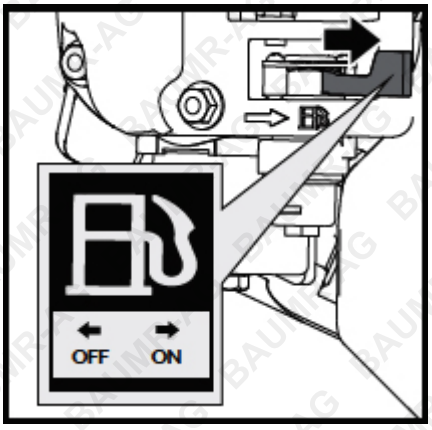
IMPORTANT: DO NOT OVERFILL! This equipment and/or its engine may include evaporative emissions control system components, required to meet EPA and/ or CARB regulations, that will only function properly when the fuel tank has been filled to the recommended level. Overfilling may cause permanent damage to evaporative emissions control system components. Filling to the recommended level ensures a vapour gap required to allow for fuel expansion. Pay close attention while filling the fuel tank to ensure that the recommended fuel level inside the tank is not exceeded. Use a portable gasoline container with an appropriately sized dispensing spout when filling the tank. Do not use a funnel or other device that obstructs the view of the tank filling process.

Starting the Engine

1. Move the engine switch to the ON position.

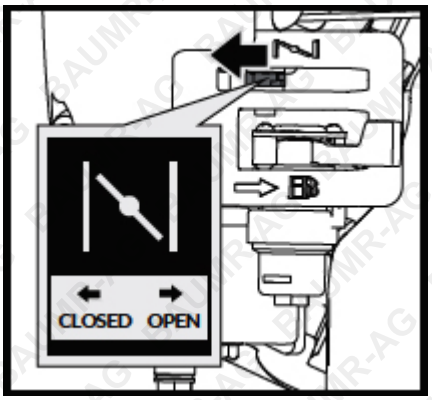


2. Open the fuel shut-off valve.

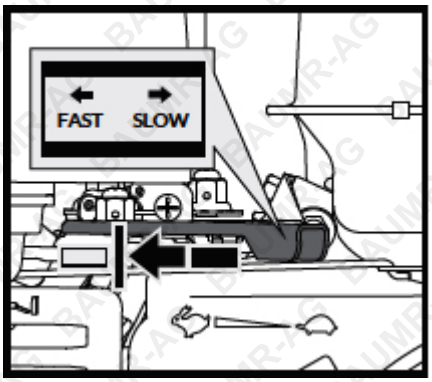


3. Move the choke lever to the CLOSED position. If the engine is hot, closing the choke is not necessary.

© 2023 Baumr-AG



4. Move the throttle lever slightly to the FAST speed.



5. Pull the recoil starter until the engine starts. Return the recoil to the home position after each pull. Repeat the steps as needed. Once engine has started, set the throttle to the FAST position before you operate the unit.

WARNING! Rapid retraction of the starter cord (kickback) will pull your hand and arm toward the engine faster than you can let go. Broken bones, fractures, bruises, or sprains could result.

Operating the Dumper

- After engine warms up, pull throttle lever to accelerate engine speed.
- The Mini Tracked Dumper has the steering levers on the handlebars, and this makes steering very easy. To turn right or left, simply operate the corresponding right or left steering lever.
- The sensitivity of the steering increases in proportion to the speed of the machine and that with the empty machine, a light pressure on the lever is all that is needed to turn. While when the machine is loaded, more pressure is required.
- The Mini Tracked Dumper has a maximum capacity of 500kg. However, it is advisable to assess the load and adjust it according to the ground on which the machine will be used.
- It is therefore advisable to cover such stretches using low gear and taking extra care. In such situations, the machine should be kept in low gear for the whole stretch.
- Avoid sharp turns and frequent changes of direction while driving on the road, in particularly on rough, hard terrains full of sharp, uneven points with a high degree of friction.
- Remember to be careful when working in adverse weather conditions (ice, heavy rain, and snow) or on types of ground that could make the Mini Tracked Dumper unstable.
- When the clutch control lever is released, the machine will stop and brake automatically. If the machine is stopped on a steep slope, a wedge should be placed against one of the wheels.

© 2023 Baumr-AG

Idle Speed

Set the throttle control lever to the SLOW position to reduce stress on the engine when work is not being performed. Lowering the engine speed will help extend the life of the engine, as well as conserve fuel and reduce noise level.

Stopping the Engine

To stop the engine in an emergency, simply turn the engine switch to the OFF position. Under normal conditions, use the following procedure:

1. Move the throttle lever to the SLOW () position.
2. Let the engine idle for one or two minutes.
3. Turn the engine switch to the OFF position.
4. Turn the fuel valve lever to the OFF () position.

Sudden stopping at a high speed under a heavy load is not recommended. Engine damage may result. Do not move the choke control to CLOSE to stop the engine. Backfire or engine damage may occur.

© 2023 Baumr-AG

Maintenance

Maintaining your Mini Tracked Dumper will ensure long life to the machine and its components.

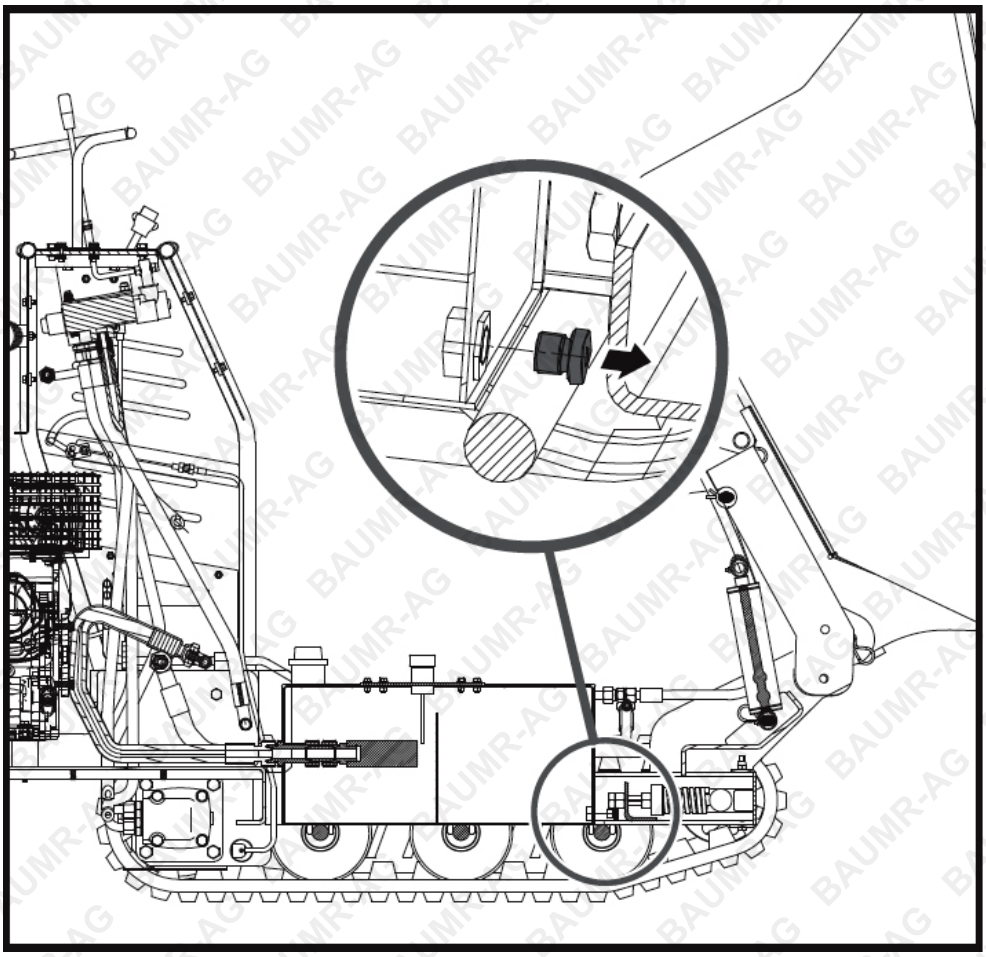
Preventive Maintenance

1. Turn off the engine and disengage all command levers. The engine must be cool.
2. Keep the engine's throttle lever in its SLOW position and remove the spark plug wire from the spark plug and secure.
3. Inspect the general condition of the power track barrow. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation.
4. Use a soft brush, vacuum, or compressed air to remove all contaminants from the machine. Then use high quality light oil to lubricate all moving parts.
5. Check the spark plug wire regularly for signs of wear and replace when needed.

Never use a pressure washer to clean your unit. Water can penetrate tight areas of the machine and its transmission case and cause damage to spindles, gears, bearings, or the engine. The use of pressure washers will result in shortened life and reduce serviceability.

Hydraulic Oil

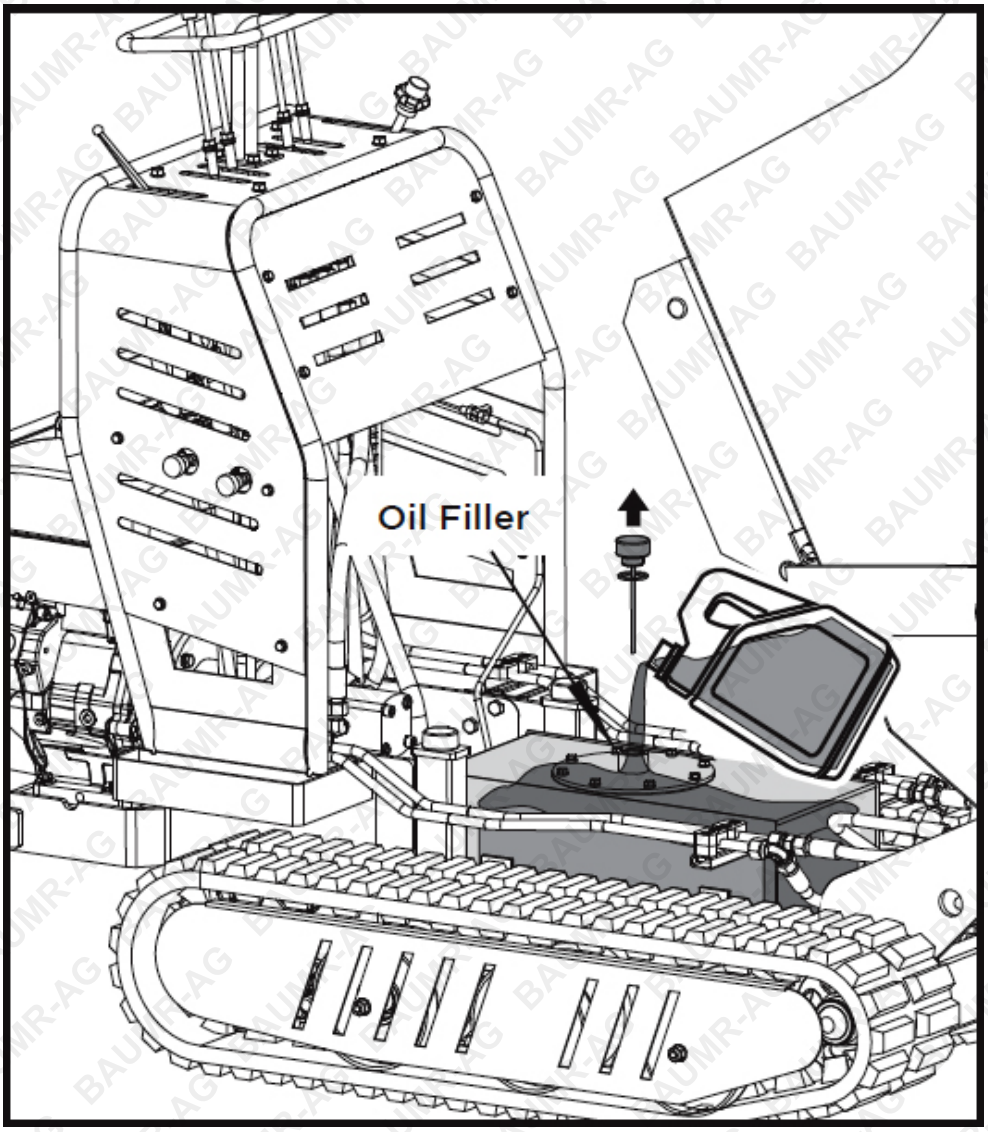
Operate the valve levers to lift the self-loading shovel to the highest position and tip the hopper to the extreme. Unscrew the oil plug and drain the oil into a container.



© 2023 Baumr-AG

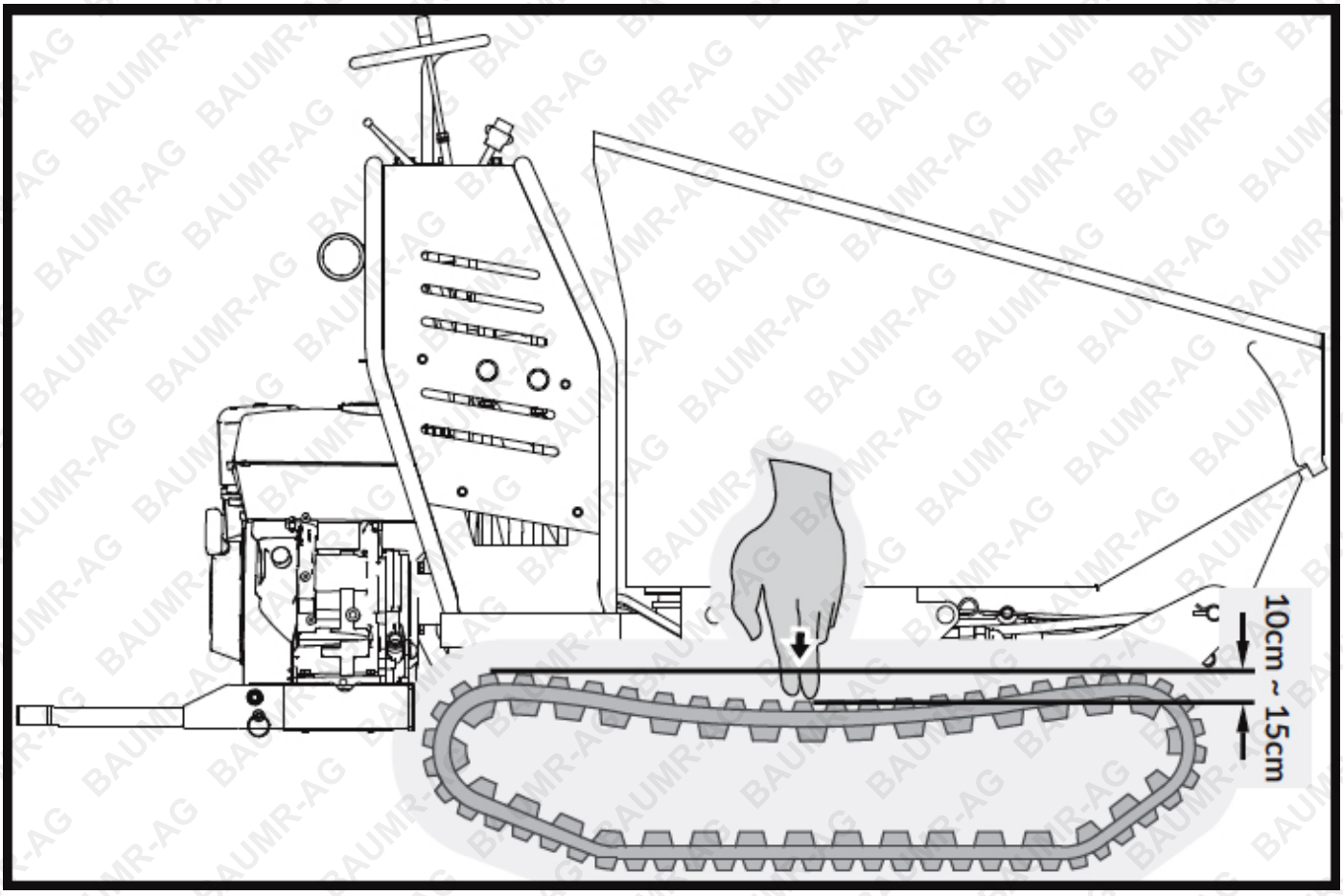
Remove the oil dipstick with gasket and add hydraulic oil. The recommended hydraulic oil is 10W AW32, ASLE H-150, or ISO 32. Tank capacity is 22.5L.

Do not operate the valve levers during draining or adding oil, to prevent the shovel and hopper from falling.



© 2023 Baumr-AG

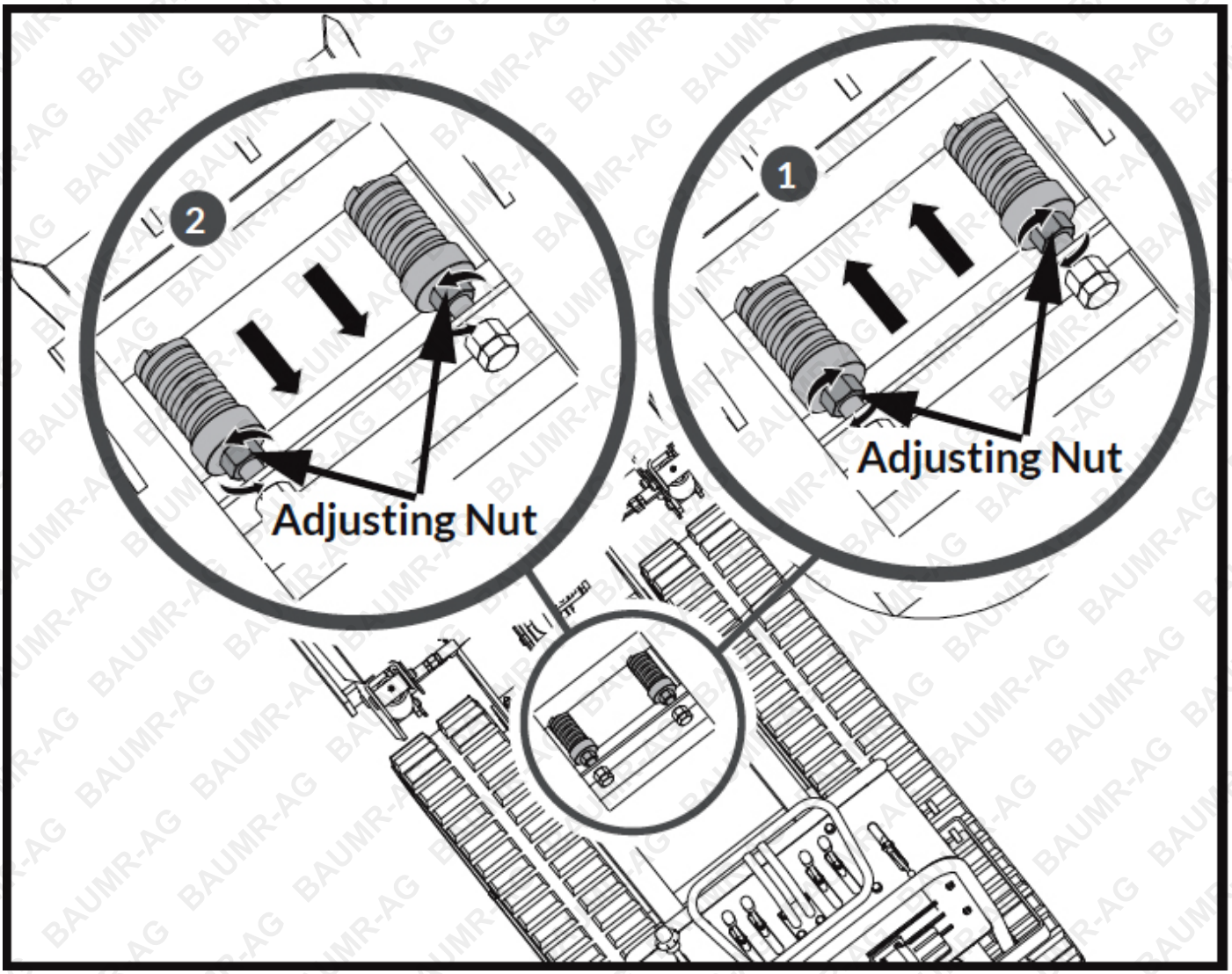
Tightening the Tracks



With use, tracks tend to loosen. When operating with loose tracks, they tend to slip over the driving wheel causing it to jump its housing, thus damaging wear to the housing. To check track tightness, proceed as follows:

1. Set the machine on a flat surface with compact ground, or on asphalt or pavement.
2. Lift the machine and set it on blocks or supports rated for the weight of the machine so that the tracks are approximately 10cm off the ground.
3. Measure the track midline vs. the horizontal line. The reading must not be more than 10-15cm.

© 2023 Baumr-AG



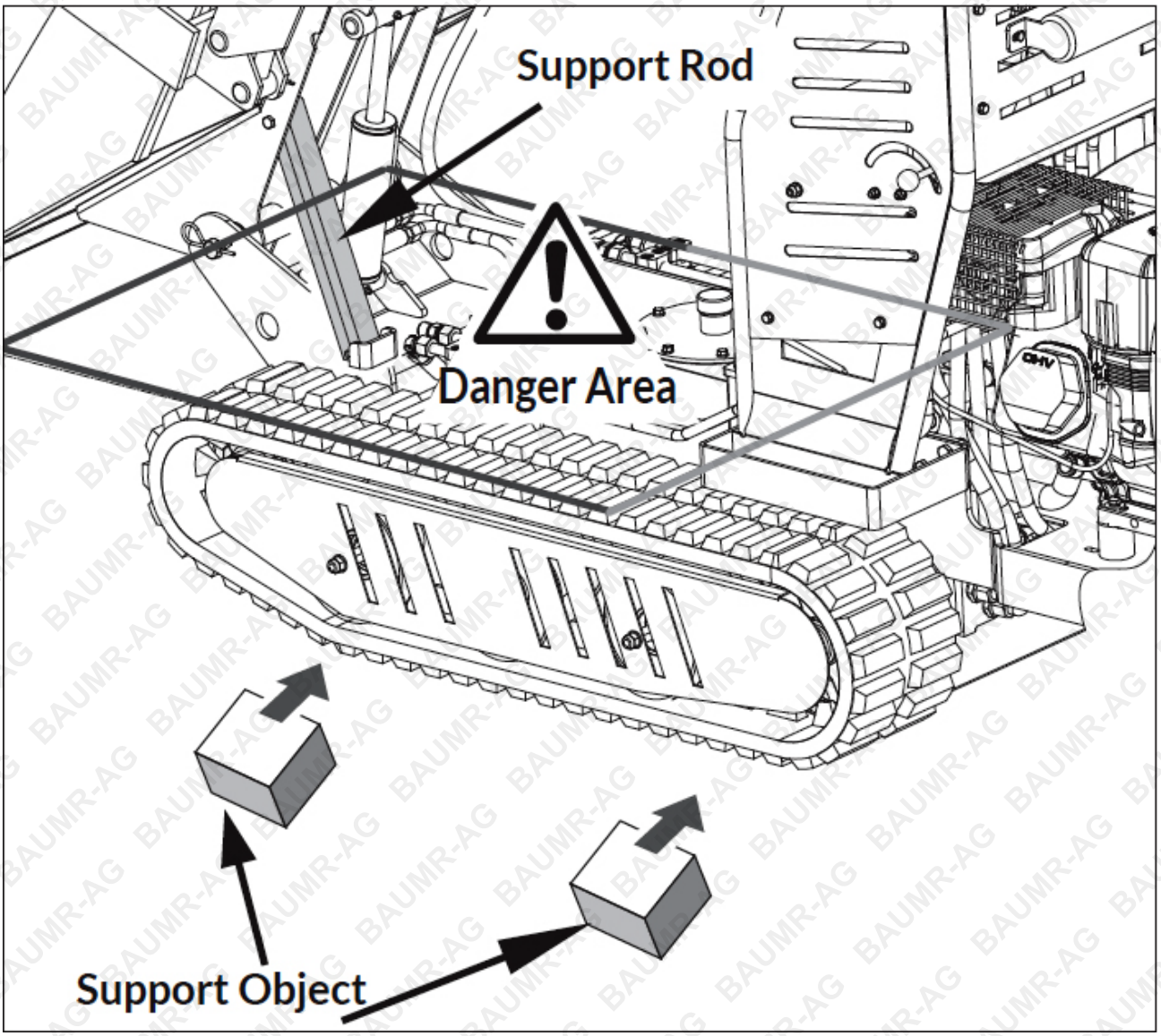
If the reading is not within the required range, follow the steps below to adjust the track.

1. Start the machine, slowly control the tipping valve lever to tip the hopper to the maximum position and turn off the machine.
2. When the reading is too big, screw the adjusting nut anti-clockwise as shown in Fig. 1 until the tension of the track reaches the appropriate range.
3. When the reading is too small, screw the adjusting nut clockwise as shown in Fig. 2 until the tension of the track reaches the appropriate range.
4. Make sure that no one is in the dangerous zone under the hopper, slowly control the tipping valve lever to return the bucket to the original position with manual assistance.

Do not over-tighten your track. The adjustment of the track and the brakes are linked. The braking power will lessen the more the track is tightened. If the adjustment nut has no more adjustment left, the tracks may have to be replaced.

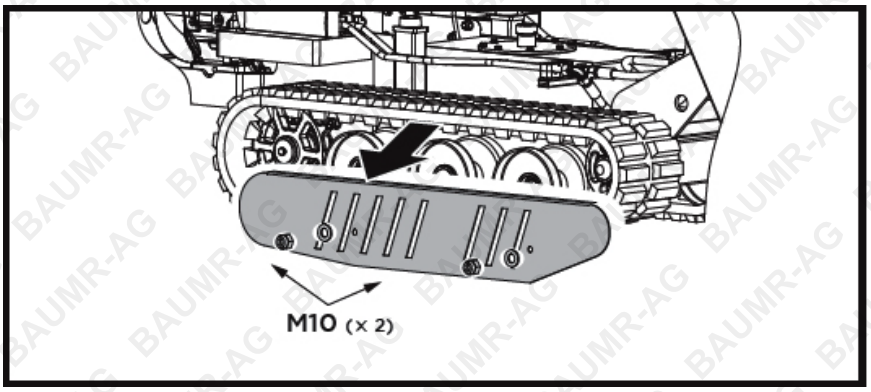
© 2023 Baumr-AG

Replacing the Tracks



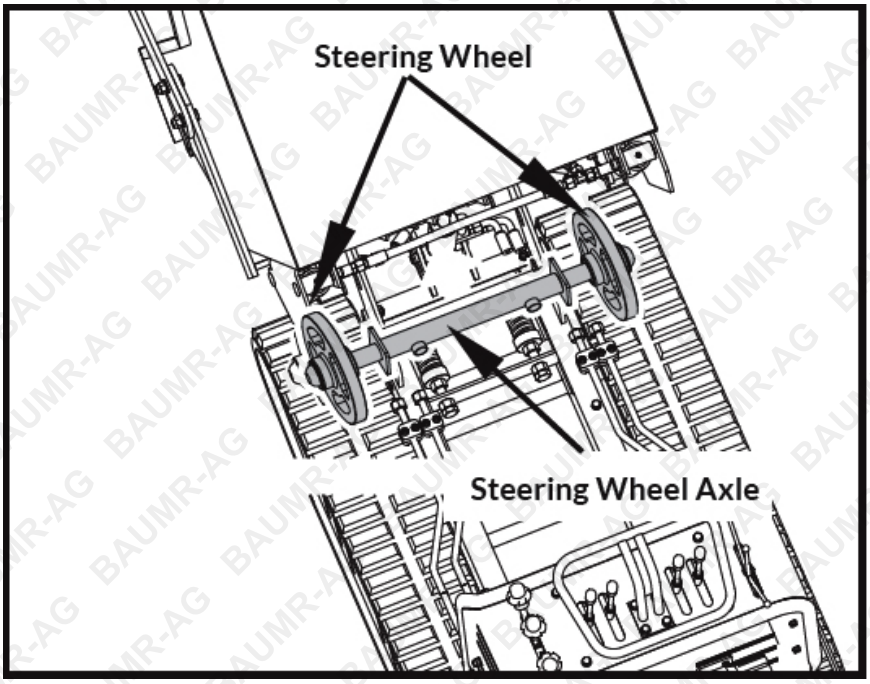
Check the condition of the tracks periodically. If any track is cracked or frayed, it should be replaced as soon as convenient.

1. Lift the hopper and insert a support rod for safety purposes.
2. Lift the machine and set it on blocks or supports rated for the weight of the machine so that the tracks are approximately 4” off the ground.
3. Remove the two nuts M10 with washers and take off the front guard plate.

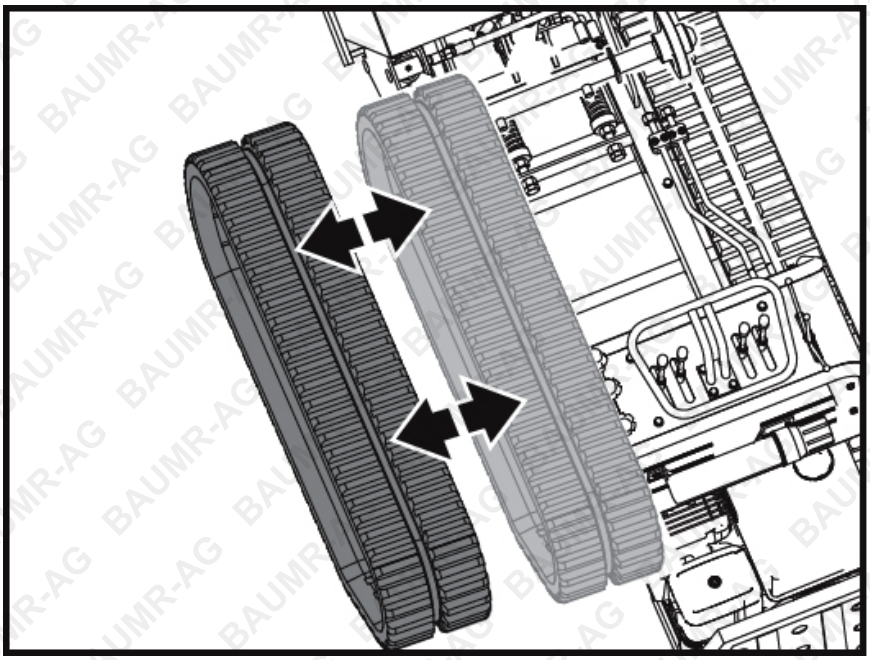


© 2023 Baumr-AG

4. Loosen the adjusting bolts and pull the steering wheel axle toward the engine, then track will be loosened.



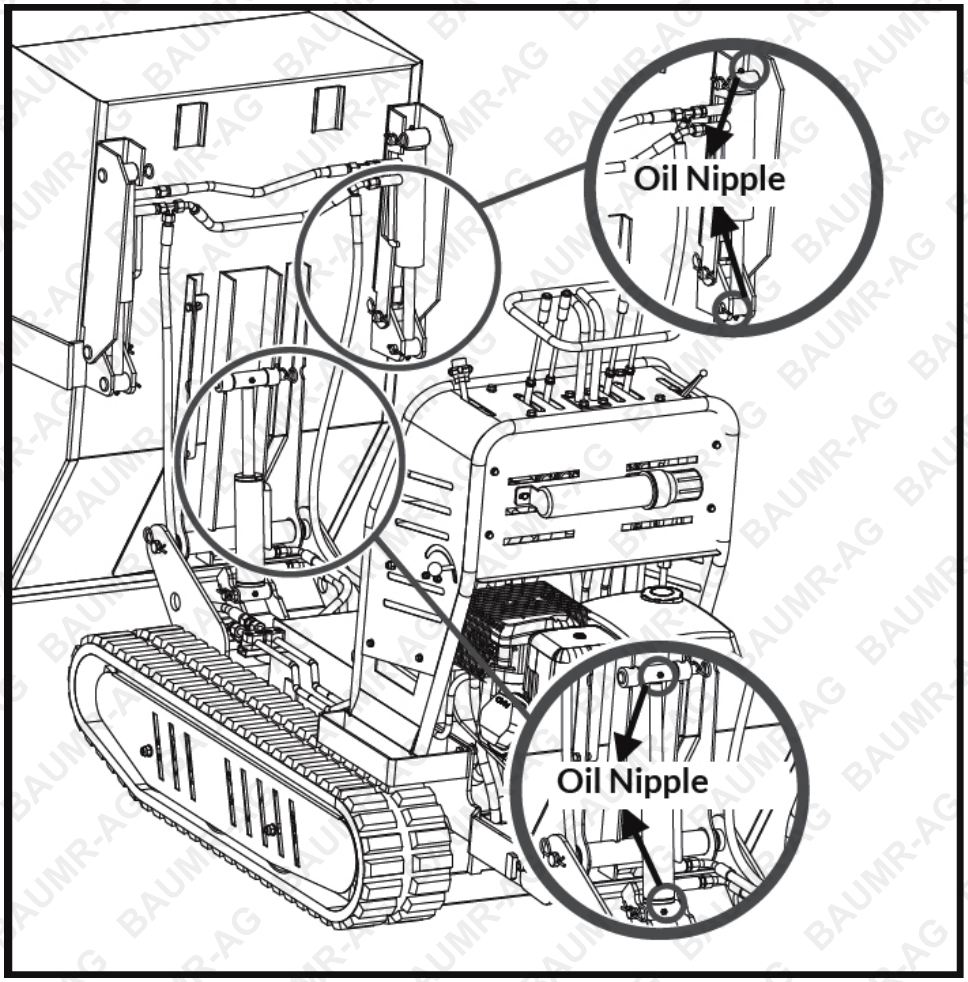
5. Pull out the whole track.



When removing or installing the tracks, be careful not to get your fingers caught between the track and pulley.

© 2023 Baumr-AG

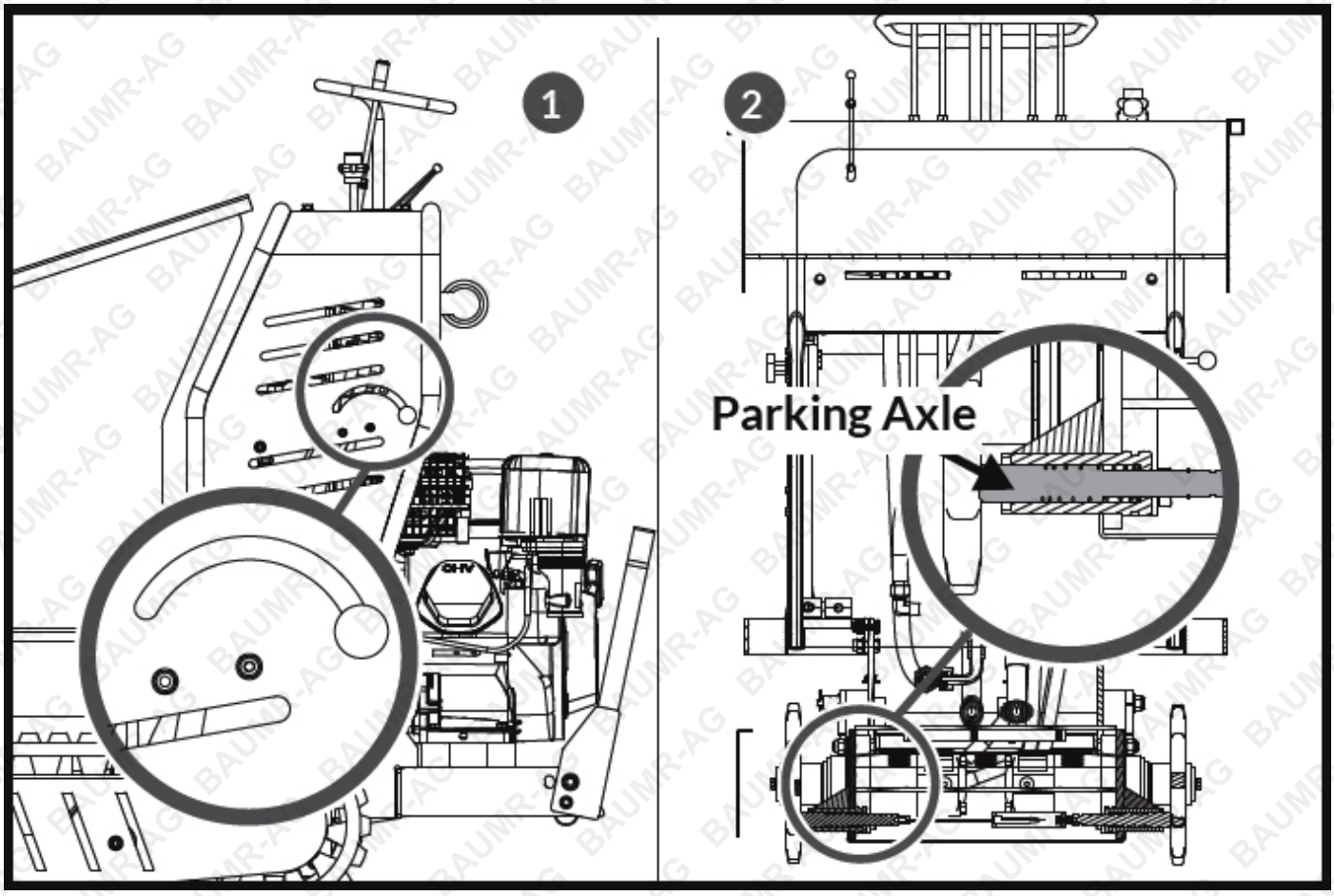
Lubrication



© 2023 Baumr-AG

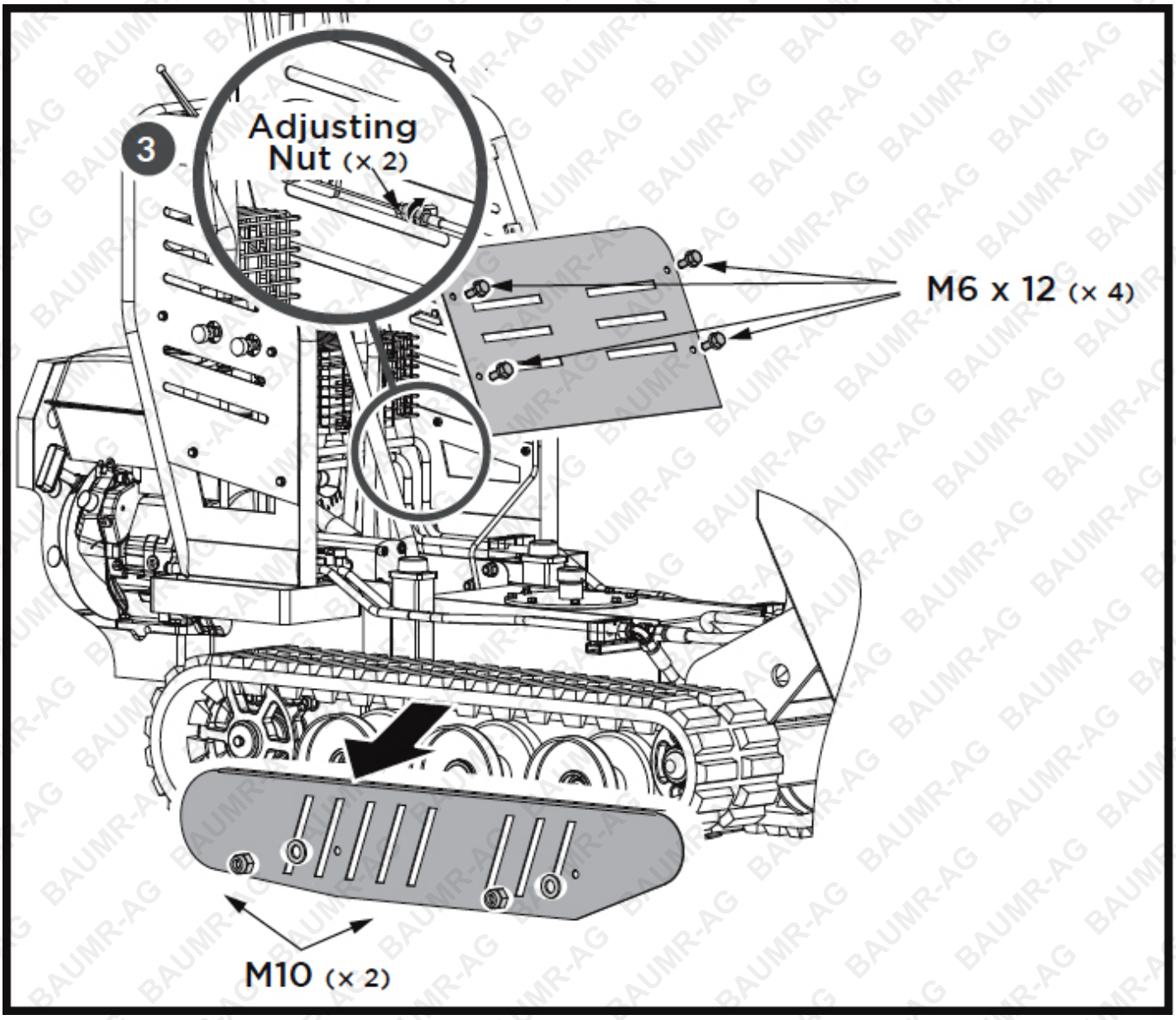
There are two oil cups on the shovel cylinder and the hopper cylinder each, which require regular lubricating oil injection.

Adjusting the Parking Cable



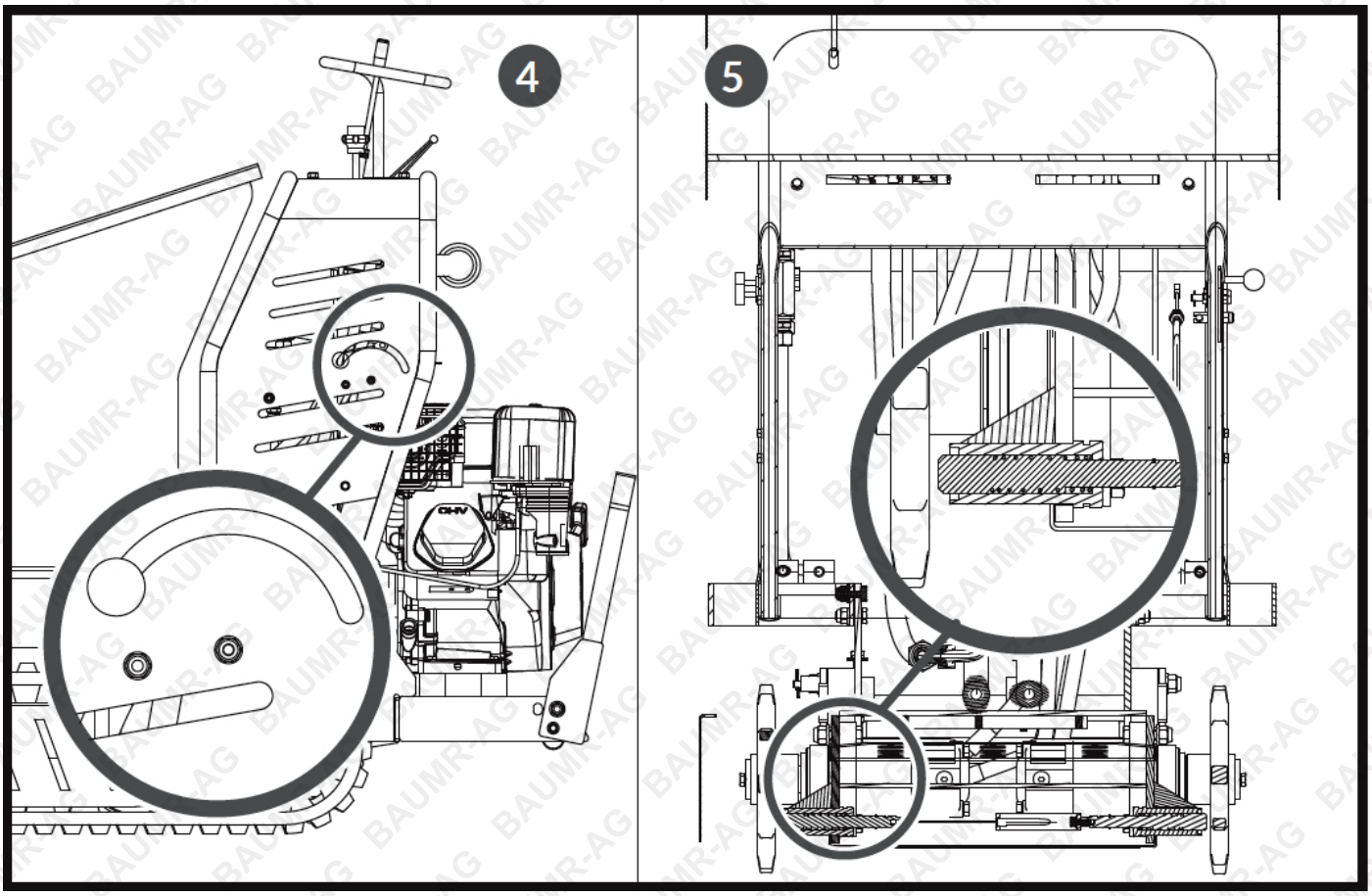
1. If the parking lever is turned to the position shown in Fig. 1, and the parking axle is still in the parking state shown in Fig. 2, follow the steps below to adjust the parking cable.

© 2023 Baumr-AG



2. Place the machine on flat ground.
   a. Start the machine, slowly control the tipping valve lever to tip the hopper to the maximum position and turn off the machine.
   b. Remove the four flange bolts M6x12 and take off the front guard plate.
   c. Remove the two nuts M10 with washers and take off the front guard plate.
   d. Screw the two adjusting nuts in the direction shown in the figure and observe the parking axles from both sides until both axles are over 2mm from the side of driving wheels. Tighten the adjusting nuts.
   e. Mount the front guard plate and side guard plate back to the original position.

© 2023 Baumr-AG



3. If the parking lever is turned to the position shown in Fig. 4, and the parking axle is still in the parking state shown in Fig. 5, repeat the same steps above, but screw the adjusting nuts in opposite direction.

Tyre Pressure

Check the pressure of tyres periodically to make sure they are properly inflated. Recommended pressure is 30psi for all the tyres.

Separation of tyre and rim parts is possible when they are serviced incorrectly. Do not attempt to mount a tyre without the proper equipment and experience to perform the job. Do not inflate the tyres above the recommended pressure. Do not weld or heat a wheel and tyre assembly. Welding can structurally weaken or deform the wheel. Heating can cause an increase in the air pressure resulting in burst. Do not stand in front or over the tyre assembly while inflating.

Engine Maintenance

Refer to the Engine Manual included in your unit for the information on engine maintenance. Your engine manual provides detailed information and a maintenance schedule for performing the tasks.

© 2023 Baumr-AG

Storage

If the Mini Tracked Dumper will not be used for a period longer than 30 days, follow the steps below to prepare your unit for storage.

1. Drain the fuel tank completely. Stored fuel containing ethanol or MTBE can start to go stale in 30 days. Stale fuel has high gum content and can clog the carburettor and restrict fuel flow.
2. Start the engine and allow it to run until it stops. This ensures no fuel is left in the carburettor. Run the engine until it stops. This helps prevent gum deposits from forming inside the carburettor and possible engine damage.
3. While the engine is still warm, drain the oil from the engine. Refill with fresh oil of the grade recommended in the Engine Manual.
4. Use a clean cloth to clean off the exterior of the machine and to keep the air vents free of obstructions.



Do not use strong detergents or petroleum-based cleaners when cleaning plastic parts. Chemicals can damage plastics.

5. Inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts.
6. Store your unit on flat ground in a clean, dry building that has good ventilation.



Do not store the machine with fuel in a non-ventilated area where fuel fumes may reach flame, sparks, pilot lights or any ignition sources.

© 2023 Baumr-AG

Troubleshooting

Problem	Cause	Remedy
Engine fails to start.	Spark plug wire disconnected.	Attach spark plug wire securely to spark plug.
	Out of fuel or stale fuel.	Fill with clean, fresh gasoline.
	Choke not in open position.	Throttle must be positioned at choke for a cold start.
	Blocked fuel line.	Clean the fuel line.
	Fouled spark plug	Clean, adjust gap, or replace.
	Engine flooding.	Wait a few minutes to restart, but do not prime.
Engine runs erratically.	Spark plug wire loose.	Connect and tighten spark plug wire.
	Unit running on CHOKE.	Move choke lever to OFF.
	Blocked fuel line or stale fuel.	Clean fuel line. Fill tank with clean, fresh gasoline.
	Vent plugged.	Clear vent.
	Water or dirt in fuel system.	Drain fuel tank. Refill with fresh fuel.
	Dirty air cleaner.	Clean or replace air cleaner.
	Improper carburettor adjustment.	Refer to Engine Manual.
Engine overheats.	Engine oil level low.	Fill crankcase with proper oil.
	Dirty air cleaner.	Clean air cleaner.
	Air flow restricted.	Remove housing and clean.
	Carburettor not adjusted properly.	Refer to Engine Manual.
One of the two tracks is blocked.	Foreign bodies have worked their way between the track and the frame.	Remove the foreign body.
Machine does not move while engine is running.	Gear is not properly selected.	Ensure gear lever is not in-between two different gears.
	Driving tracks not tight enough.	Tighten driving tracks.

© 2023 Baumr-AG

Specifications

Suitable oil types	SAE 30 / 10W-30 / Synthetic 5W-30 / 5W-30
Engine	Briggs & Stratton XR 1450 (306cc, 10HP 4-Stroke)
Emissions Compliance	Euro V
Transmission	2 speed forward and reverse
Load Capacity	500kg
Bucket Dimensions	107 x 72 x 66cm
Track Width / Tyre Size	180mm track width x2
Max Climb Angle (loaded to capacity)	20°
Motion	Track drive / skid steering
Forward Max Speed	5km/h
Reverse Max Speed	5km/h
Ground Clearance	94mm

© 2023 Baumr-AG

Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

edisons.com.au

©2023 Baumr-AG. All rights reserved. No part of this document, including descriptive content, concepts, ideas, diagrams, or images may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, scanning, or recording, or any information storage and retrieval system, without express permission or consent from the publisher.