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› IKRA IBKH 52-1 4-in-1 Thermal Multi-Tool Instruction Manual

IKRA IBKH 52-1

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INSTRUCTION MANUAL

Introduction

The IKRA IBKH 52-1 4-in-1 Thermal Multi-Tool is a versatile and efficient solution for comprehensive garden maintenance. This single device combines the functions of a brushcutter, grass trimmer, pole pruner, and hedge trimmer, making it ideal for various tasks from lawn care to tree and hedge maintenance.

Powered by a robust 51.7 cm³ 2-stroke gasoline engine with 1.5 kW of power, the IBKH 52-1 ensures reliable performance. Its Easy Start system, primer, and choke lever facilitate quick and effortless starting. The tool features a durable design with a double-bearing crankshaft, chrome-plated cylinder, and rigid chrome-plated steel drive shaft for extended longevity. The comfortable shoulder strap and adjustable handle enhance ergonomic operation and control.



Figure 1: Overview of the IKRA IBKH 52-1 4-in-1 Multi-Tool's capabilities.

Safety Instructions

Always prioritize safety when operating the IKRA IBKH 52-1 multi-tool. Failure to follow these instructions can result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, sturdy gloves, long pants, and non-slip footwear. A safety helmet with a face shield is recommended for overhead work.
- **Work Area:** Ensure the work area is clear of bystanders, children, and pets. Maintain a safe distance from obstacles and other people.
- **Fuel Handling:** Handle gasoline with extreme care. Refuel in a well-ventilated area, away from open flames or sparks. Allow the engine to cool before refueling. Do not smoke while refueling.
- **Inspection:** Before each use, inspect the tool for any damaged parts, loose fasteners, or fuel leaks. Do not operate a damaged tool.

- **Stability:** Maintain a firm footing and balance during operation. Avoid overreaching.
- **Engine Shut-off:** Always turn off the engine before making adjustments, cleaning, or transporting the tool.
- **Weather Conditions:** Do not operate the tool in adverse weather conditions, such as heavy rain or strong winds.



SÛR ET ROBUSTE



- ✓ **MOTEUR À ESSENCE 2 TEMPS**
- ✓ **ALLUMAGE ÉLECTRONIQUE, PRIMER ET STARTER**
- ✓ **SYSTÈME DE DÉMARRAGE FACILE**
- ✓ **VILEBREQUIN À DOUBLE ROULEMENT, 20CRMO ET CYLINDRE CHROMÉ**
- ✓ **RIGIDE 20CRMO ARBRE D'ENTRAÎNEMENT EN ACIER**
- ✓ **CHANGEMENT DU FILTRE À AIR SANS OUTILS**

Figure 2: Always wear appropriate personal protective equipment when operating the multi-tool.

Assembly and Setup

The IKRA IBKH 52-1 comes with several attachments and components for its various functions. Follow these steps for proper assembly.

Included Components:

- 1x Power Unit (Engine)
- 1x Trimmer Attachment (with DA-F16 spool, 2x2m double line, 2.4mm)
- 1x Brushcutter Attachment (with 3-tooth blade)

- 1x Hedge Trimmer Attachment (with blade guard)
- 1x Pole Pruner Attachment (with OREGON chain 30019400 and blade guard)
- 1x 76cm Extension Unit
- 1x Comfortable Shoulder Strap
- 1x Assembly Instructions

Assembling Attachments:

1. **Connect the Shaft:** The main shaft is divisible for compact storage. Connect the two sections of the aluminum tube (26mm diameter) using the quick-release fastener. Ensure it is securely locked.
2. **Attach the Desired Tool Head:** Select the brushcutter, trimmer, hedge trimmer, or pole pruner attachment. Align the attachment with the main shaft and secure it firmly using the provided coupling mechanism. For extended reach, insert the 76cm extension unit between the main shaft and the tool head.
3. **Install Handles and Shoulder Strap:** Adjust the ergonomic handle to a comfortable working position. Attach the comfortable shoulder strap to the designated points on the main shaft to distribute the tool's weight evenly across your shoulders and back.
4. **Fuel Mixture:** Prepare the fuel mixture using unleaded regular gasoline and a special 2-stroke engine oil at a ratio of 40:1 (e.g., 1300 ml gasoline to 32.5 ml 2-stroke oil). Fill the 1300 ml fuel tank.
5. **Chain Oil (for Pole Pruner):** If using the pole pruner, ensure the 120ml oil reservoir is filled with appropriate chain lubricant. Check the oil level indicator.



Figure 3: Key components and features for assembly and operation.

Operating Instructions

Starting the Engine (Easy Start System):

1. Place the tool on a flat, stable surface.
2. Press the primer bulb several times until fuel is visible in the return line.
3. Set the choke lever to the 'START' position.
4. Pull the starter cord firmly and smoothly until the engine fires (usually 1-3 pulls).
5. Once the engine briefly fires, move the choke lever to the 'RUN' position.
6. Pull the starter cord again until the engine starts and runs smoothly.
7. Allow the engine to warm up for a few moments before engaging the throttle.

Brushcutter & Grass Trimmer Operation:

The brushcutter and grass trimmer attachments are designed for clearing grass, weeds, and light undergrowth. The trimmer uses a line spool (DA-F16) with a cutting width of 420mm, featuring an impulse automatic line feed. For thicker vegetation, attach the 3-tooth blade, which offers a cutting circle of 255mm.

- Ensure the correct cutting attachment (line head or blade) is securely installed with its protective guard.
- Hold the tool firmly with both hands, using the shoulder strap for support.
- Start the engine and allow it to reach operating speed before beginning to cut.
- Move the cutting head in a sweeping motion, cutting from right to left for optimal debris ejection.
- For the line trimmer, tap the head gently on the ground to advance the line if needed.



Figure 4: Innovative cutting head with anti-winding protection for grass and brushcutter blade.

Hedge Trimmer Operation:

The telescopic hedge trimmer features precision counter-rotating and hardened blades with a cutting length of 395mm and a cutting thickness of 23mm. The cutting angle can be adjusted to 12 positions, up to 170°, for optimal reach and comfort.

- Ensure the hedge trimmer attachment is securely fastened with its blade guard removed.
- Adjust the cutting angle to suit the hedge shape and your working position.
- Hold the tool firmly and make smooth, even passes along the hedge.
- Work from the bottom upwards for vertical cuts and from the outside inwards for horizontal cuts.

COUTEAUX DE PRÉCISION

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COUTEAUX DE PRÉCISION CONTRE-ROTATIFS ET TREMPÉS



Figure 5: Operating the hedge trimmer attachment for tall hedges.

Pole Pruner Operation:

The pole pruner is equipped with an Oregon guide bar and a low-vibration chain, offering a cutting length of 255mm. It features 7-position angle adjustment up to 90° and automatic chain lubrication from a 120ml oil reservoir with a level indicator. The 76cm extension tube allows for a working height of up to 4 meters.

- Ensure the pole pruner attachment is securely installed and the chain oil reservoir is filled.
- Adjust the cutting angle for optimal access to branches.
- Always maintain a safe distance from the cutting chain.
- Make cuts in a controlled manner, allowing the chain to do the work. Avoid forcing the cut.
- Be aware of falling branches and plan your cuts to ensure they fall safely.

OREGON ÉPÉE DE MARQUE

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**OREGON MARQUES ÉPÉE
AVEC ÉTOILE DE DÉVIATION
ET FAIBLE VIBRATION
CHAÎNE ORGEON**



**LUBRIFICATION
AUTOMATIQUE DE LA
CHAÎNE AVEC
INDICATEUR DE NIVEAU
D'HUILE**



**120 ML RÉSERVOIR
D'HUILE**



Figure 6: Using the pole pruner attachment for high branches.



Figure 7: Detailed view of the hedge trimmer and pole pruner attachments.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your IKRA IBKH 52-1 multi-tool.

- **Air Filter:** The air filter can be easily replaced without tools. Regularly check and clean or replace the air filter to ensure proper engine performance and prevent damage.
- **Spark Plug:** Inspect the spark plug periodically. Clean or replace it if it is fouled or worn.
- **Cutting Attachments:** Keep all cutting blades and chains sharp and clean. For the pole pruner, ensure the chain is properly tensioned and lubricated. Regularly check the chain oil level.
- **General Cleaning:** After each use, clean the tool thoroughly, removing any grass, dirt, or debris from the engine, vents, and cutting attachments.
- **Storage:** When storing the tool for extended periods, drain the fuel tank or use a fuel stabilizer. Store in a dry, secure location, out of reach of children.

Troubleshooting

If you encounter issues with your IKRA IBKH 52-1, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
Engine does not start or is difficult to start.	No fuel or incorrect fuel mixture. Choke/primer not used correctly. Spark plug fouled or faulty. Air filter clogged.	Check fuel level and ensure correct 40:1 mixture. Follow starting procedure (primer, choke). Clean or replace spark plug. Clean or replace air filter.
Engine runs, but performance is poor.	Clogged air filter. Dull or damaged cutting attachment. Incorrect fuel mixture.	Clean or replace air filter. Sharpen or replace cutting attachment. Ensure correct 40:1 fuel mixture.
Excessive vibration.	Loose cutting attachment. Damaged or unbalanced blade/head.	Tighten cutting attachment securely. Inspect and replace damaged blades/heads.

Specifications

Detailed technical specifications for the IKRA IBKH 52-1 multi-tool:

Feature	Specification
Model Number	68100003-AZ
Engine Type	2-stroke gasoline engine
Engine Displacement	51.7 cm³
Power Output	1.5 kW
Fuel Tank Capacity	1300 ml

Feature	Specification
Fuel Mixing Ratio	40:1 (Gasoline:2-stroke oil)
Overall Dimensions (L x W x H)	28 x 34 x 288 cm
Item Weight	5.5 kg (without accessories)
Shaft Material	Aluminum (26mm diameter)
Brushcutter Cutting Width (Blade)	255 mm (3-tooth blade)
Trimmer Cutting Width (Line)	420 mm (DA-F16 spool, 2x2m, 2.4mm line)
Hedge Trimmer Blade Length	395 mm
Hedge Trimmer Cutting Thickness	23 mm
Hedge Trimmer Angle Adjustment	12 positions, up to 170°
Pole Pruner Cutting Length	255 mm
Pole Pruner Guide Bar	Oregon with deflection star
Pole Pruner Chain	Low-vibration (OREGON 30019400)
Pole Pruner Oil Tank Capacity	120 ml (automatic lubrication)
Pole Pruner Angle Adjustment	7 positions, up to 90°
Extension Unit Length	76 cm



Figure 8: Visual representation of key technical specifications.

Warranty and Support

For warranty information, please refer to the warranty card included with your product or contact IKRA customer service. If you require technical assistance, spare parts, or have any questions regarding the operation or maintenance of your IKRA IBKH 52-1 multi-tool, please contact the manufacturer or your authorized dealer.

Manufacturer: IKRA GmbH

Website: www.ikra.de (Please note: This is a general link and may not be specific to your region or product support.)

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