

[Manuals.plus](#) /

> [BDELI](#) /

> BDELI Starter Replacement Instruction Manual for Kubota Diesel Compact Tractors (Model 1280008460)

BDELI 1280008460

BDELI Starter Replacement Instruction Manual

FOR KUBOTA DIESEL COMPACT TRACTORS (MODEL 1280008460)

1. Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of your new BDELI replacement starter, model 1280008460. Adhering to these guidelines will help ensure the longevity and optimal performance of the starter in your Kubota Diesel Compact Tractor. Please read this manual thoroughly before attempting any installation or service.

2. Product Compatibility

The BDELI Starter Replacement (Model 1280008460) is compatible with a range of Kubota Diesel Compact Tractors. Please verify your tractor's model number against the list below to ensure proper fitment.

Compatible Kubota Tractor Models:

- KJS130D (Kubota D1703 Dsl)
- KJS130DX (Kubota D1703E Dsl)
- L2250DT, L2250F (Kubota D1302DI 26.5HP Dsl)
- L2500DT, L2500F (E-TVCS Kubota Diesel, Kubota D1403AE 27HP Dsl)
- L2550DT, L2550DTGST, L2550F, L2550GST (Kubota D1402DIA 29.5HP Dsl)
- L2650DT, L2650F, L2650GST (Kubota D1402DIAE 29HP Dsl)
- L2800DT-F, L2800DT-R, L2800F-F, L2800F-R, L2800HST (Kubota D1403ME2A 29HP Dsl)
- L2900DT, L2900DTGST, L2900F, L2900GST (Kubota D1503LA 32HP Dsl)
- L2950DT, L2950DTGST, L2950F, L2950GST (Kubota D1462DIAE 30HP Dsl)

Replacement Part Numbers:

- 1280008460, 128000-8460, 1280008462, 128000-8462
- 3407016081, 34070-16081, 3407016083, 34070-16083

- 3407016800, 34070-16800, 3407016801, 34070-16801, 3407016803, 34070-16803
- SND0324, 410-52182, 41052182, 18145N, 18145

3. Safety Information

Always prioritize safety when working with vehicle electrical systems. Failure to follow safety precautions can result in serious injury or damage to equipment.

- **Disconnect Battery:** Always disconnect the negative (-) battery terminal first, then the positive (+) terminal before beginning any work on the starter or electrical system.
- **Wear Protective Gear:** Use safety glasses, gloves, and appropriate clothing to prevent injury.
- **Secure Vehicle:** Ensure the tractor is on a level surface, the parking brake is engaged, and the wheels are chocked.
- **Avoid Short Circuits:** Be careful not to short circuit battery terminals or other electrical components with tools.
- **Professional Installation Recommended:** If you are not experienced with automotive electrical repairs, it is highly recommended to seek assistance from a qualified mechanic.

4. Specifications

Specification	Value
Model Number	1280008460
Brand	BDELI
Voltage	12 Volts
Wattage	1.4 KW
Amperage	116.67 Amps
Material	Durable Metals (e.g., Aluminum, Steel, Alloys)
Package Dimensions	9.29 x 6.65 x 6.06 inches
Item Weight	9.02 Pounds

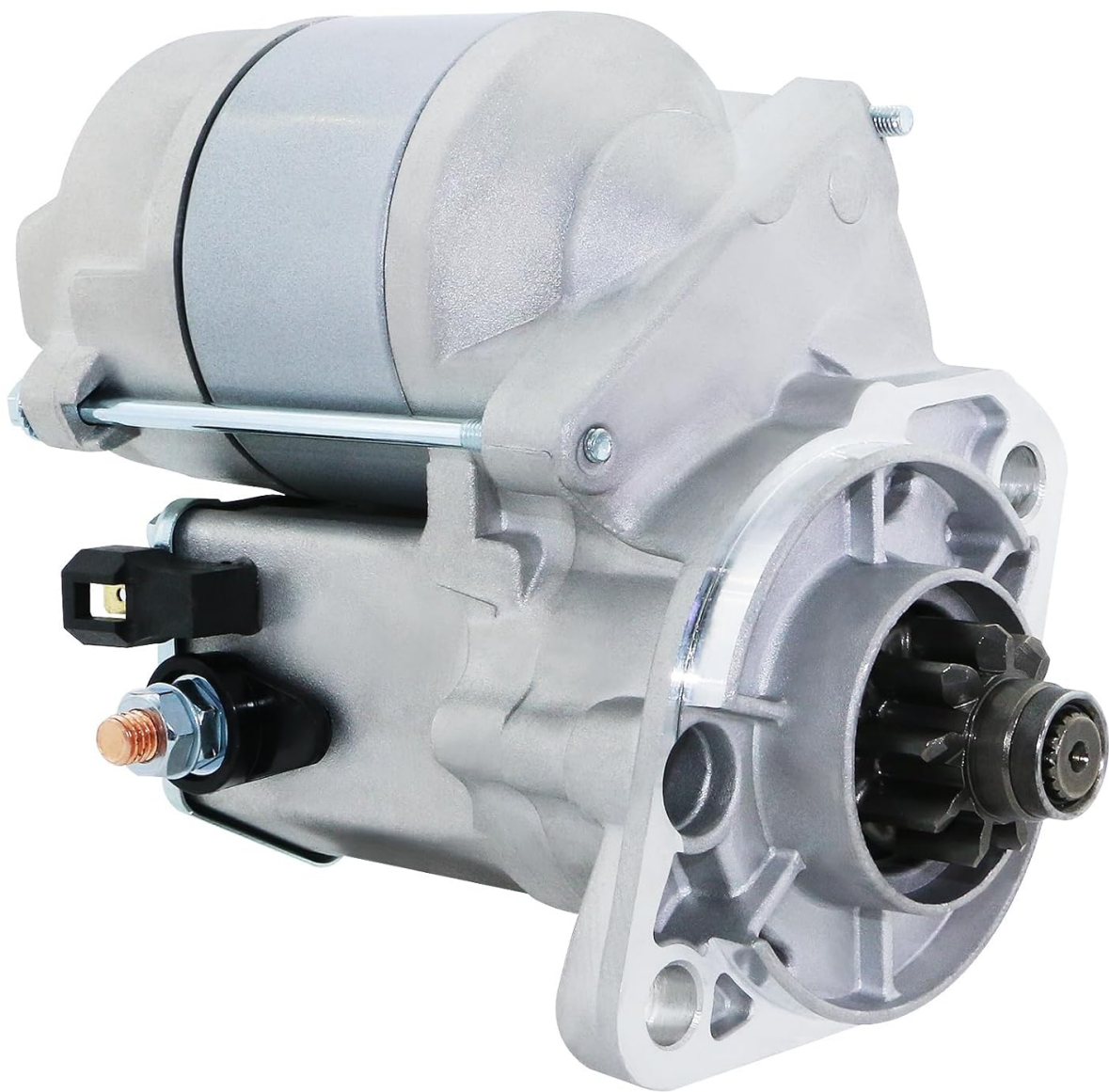
5. Installation Instructions

This section outlines the general steps for replacing a starter. Specific procedures may vary slightly depending on your tractor model. Always refer to your tractor's service manual for detailed instructions.

1. **Preparation:** Ensure the tractor is turned off, the key is removed, and the parking brake is engaged. Disconnect both the negative (-) and positive (+) battery cables, starting with the negative.
2. **Locate the Starter:** Identify the existing starter motor on your Kubota tractor. It is typically mounted on the engine block, near the flywheel housing.
3. **Disconnect Wiring:** Carefully disconnect all electrical wiring from the old starter. This usually includes a

large battery cable and one or more smaller solenoid wires. Note the position of each wire for correct reinstallation.

4. **Remove Mounting Bolts:** Remove the bolts that secure the starter to the engine block. Support the starter as you remove the last bolt to prevent it from falling.
5. **Remove Old Starter:** Carefully extract the old starter from its mounting position.
6. **Install New Starter:** Position the new BDELI starter (Model 1280008460) into place, ensuring the mounting flange aligns correctly. Secure it with the mounting bolts, tightening them to the manufacturer's specifications.
7. **Connect Wiring:** Reconnect all electrical wiring to the new starter, ensuring each wire is attached to its correct terminal. Double-check all connections for tightness and security.
8. **Reconnect Battery:** Reconnect the positive (+) battery cable first, then the negative (-) battery cable.
9. **Test:** Attempt to start the tractor. Listen for proper starter engagement and engine cranking.



This image displays the complete BDELI replacement starter unit, showcasing its overall design and primary components, including the motor housing and solenoid.



A close-up view of the electrical connection points on the BDELI starter, highlighting the main power terminal and the solenoid activation terminal. Ensure all connections are secure.

• Professional Testing



This image focuses on the starter's pinion gear and mounting flange. The pinion gear engages with the engine's flywheel, and the flange provides the secure attachment point to the engine block.

6. Operation

The starter motor is an electrical device designed to crank the engine to initiate combustion. When the ignition key is turned to the 'start' position, electrical current flows to the starter solenoid. The solenoid then engages the starter's pinion gear with the engine's flywheel and simultaneously sends power to the starter motor. The motor spins the flywheel, turning the crankshaft and starting the engine. Once the engine starts, the pinion gear disengages from the flywheel.

7. Maintenance

Starters are generally low-maintenance components. However, regular checks of the associated electrical system can prolong its life:

- **Battery Condition:** Ensure your tractor's battery is fully charged and in good condition. A weak battery can

strain the starter.

- **Cable Connections:** Periodically inspect battery cables and starter wiring for corrosion, fraying, or loose connections. Clean and tighten as necessary.
- **Avoid Excessive Cranking:** Do not crank the engine for more than 10-15 seconds at a time. Allow a minute or two between attempts to prevent overheating the starter.

8. Troubleshooting

If your tractor fails to start or the starter exhibits unusual behavior, consider the following common issues:

- **No Crank or Slow Crank:**
 - **Weak Battery:** Test the battery voltage. Recharge or replace if necessary.
 - **Corroded/Loose Connections:** Check battery terminals and starter wiring for corrosion or looseness. Clean and tighten.
 - **Faulty Solenoid:** If you hear a single click but no cranking, the solenoid might be failing.
 - **Faulty Starter Motor:** If the battery and connections are good, the starter motor itself may be defective.
- **Starter Engages but Engine Doesn't Turn:**
 - **Damaged Flywheel Teeth:** The starter pinion gear may not be able to engage properly if the flywheel teeth are worn or damaged.
 - **Bendix Drive Failure:** The overrunning clutch (Bendix drive) within the starter might be slipping.
- **Starter Smokes or Overheats:**
 - **Excessive Cranking:** Avoid prolonged cranking.
 - **Internal Short Circuit:** An internal fault in the starter motor can cause overheating and smoke. This requires replacement.
 - **Incorrect Wiring:** Double-check all wiring connections for proper polarity and secure fitment.

If troubleshooting steps do not resolve the issue, professional diagnosis and repair are recommended.

9. Quality Assurance

BDELI products are manufactured under strict quality control standards to ensure superior performance and durability. Our factories are ISO 9001 and IATF 16949 certified, ensuring the highest standards of quality management throughout the manufacturing process. All products undergo meticulous quality testing with professional equipment.



Better Deliver, Better Deal.



An image depicting a technician performing professional quality testing on starter components, ensuring adherence to performance standards.



Better Deliver, Better Deal.



An overhead view of a manufacturing facility, indicating compliance with ISO 9001 and IATF 16949 quality management certifications.

10. Warranty Information

BDELI offers a **one-year free replacement warranty** for this product. Our commitment to customers extends beyond the purchase. If you encounter any quality issues with your starter within one year from the date of purchase, please contact our customer support for assistance.

11. Customer Support

For further assistance, technical questions, or warranty claims, please contact BDELI customer support

through the platform where you purchased this product. Our professional team is dedicated to providing premium service and support.

You can also visit the [BDELI Store on Amazon](#) for more information about our products and brand.