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DB Electrical 410-40062

DB Electrical New 410-40062 Automotive Starter User Manual

Model: 410-40062 | Brand: DB Electrical

1. PRODUCT OVERVIEW

This manual provides essential information for the DB Electrical 410-40062 Automotive Starter. This component is designed as a direct replacement for original equipment starters in compatible vehicles, ensuring reliable engine starting performance.

Key Features:

- Specs:** Starter, Voltage: 12, Rotation: CW, Teeth: 11, KW: 1.3
- Replaces OEM Numbers: Hyundai: 36100-2E120, 36100-2E120RU, Pic: 108-580, Lester: 19224, Lucas Electrical Europe: LRS02674, Valeo: 1195411
- 1-year warranty protects you after your purchase.
- 100% New Aftermarket Starter built to meet OEM specifications.

Specifications:

Specification	Value
Voltage	12 Volts
Wattage	1.3 KW
Rotation	CW (Clockwise)
Teeth	11
Item Weight	6 pounds
Product Dimensions	6.25 x 5.5 x 10.63 inches
Material	Metal
Manufacturer Part Number	410-40062

Specification	Value
UPC	611188603480

2. SETUP AND INSTALLATION

Installation of an automotive starter requires mechanical knowledge and specialized tools. For optimal safety and performance, professional installation by a certified mechanic is highly recommended. Always ensure the vehicle's battery is disconnected before beginning any work on the electrical system.

General Installation Steps (Consult a service manual for your specific vehicle model):

- Safety First:** Disconnect the negative terminal of the vehicle's battery to prevent electrical shorts.
- Locate the Starter:** Identify the starter motor's location, typically on the side of the engine block near the transmission.
- Disconnect Wiring:** Carefully disconnect all electrical connections to the old starter, including the main battery cable and the solenoid wire.
- Remove Mounting Bolts:** Unbolt the old starter from the engine block or transmission housing. Note the position and type of all fasteners.
- Remove Old Starter:** Carefully extract the old starter motor from its position.
- Install New Starter:** Position the new DB Electrical starter in place and secure it with the mounting bolts. Ensure proper alignment.
- Reconnect Wiring:** Reattach all electrical connections to the new starter, ensuring they are clean and secure.
- Reconnect Battery:** Reconnect the negative battery terminal.
- Test Functionality:** Start the vehicle to confirm proper operation of the new starter.

3. OPERATING PRINCIPLES

The automotive starter motor is an electric motor that rotates the engine's flywheel to initiate the combustion process. When the ignition key is turned to the 'start' position, electrical current flows from the battery to the starter solenoid. The solenoid then engages the starter motor's pinion gear with the engine's flywheel and simultaneously allows a large current to flow to the starter motor. This causes the motor to spin, cranking the engine until it starts. Once the engine begins to run, the solenoid disengages the pinion gear from the flywheel to prevent damage to the starter motor.

4. MAINTENANCE

While the DB Electrical starter is designed for durability and minimal maintenance, periodic checks can help ensure its longevity and reliable performance:

- Inspect Electrical Connections:** Periodically check the battery cables and solenoid connections at the starter for corrosion or looseness. Clean any corrosion and ensure connections are tight.

- **Battery Health:** Ensure your vehicle's battery is in good condition and fully charged. A weak battery can put excessive strain on the starter.
- **Cable Integrity:** Inspect battery cables for fraying, cracks, or damage. Damaged cables can restrict current flow to the starter.
- **Avoid Excessive Cranking:** Do not crank the engine for more than 10-15 seconds at a time. Allow the starter to cool for a minute or two between attempts to prevent overheating.

5. TROUBLESHOOTING COMMON ISSUES

If you experience issues with your starter, consider the following common problems and potential solutions:

- **Engine Cranks Slowly:**
 - *Possible Cause:* Weak or discharged battery. *Solution:* Test and charge/replace battery.
 - *Possible Cause:* Corroded or loose battery terminals/cables. *Solution:* Clean and tighten all connections.
 - *Possible Cause:* High resistance in starter circuit. *Solution:* Inspect cables and connections for damage or corrosion.
- **Starter Clicks but Engine Does Not Crank:**
 - *Possible Cause:* Low battery voltage. *Solution:* Test and charge/replace battery.
 - *Possible Cause:* Faulty starter solenoid. *Solution:* Professional diagnosis and replacement if necessary.
 - *Possible Cause:* Loose or corroded connections at the starter. *Solution:* Inspect and secure connections.
- **No Crank, No Click:**
 - *Possible Cause:* Completely dead battery. *Solution:* Test and charge/replace battery.
 - *Possible Cause:* Blown fuse in the starting circuit. *Solution:* Check vehicle's fuse box and replace any blown fuses.
 - *Possible Cause:* Faulty ignition switch or neutral safety switch. *Solution:* Professional diagnosis.
- **Starter Stays Engaged After Engine Starts:**
 - *Possible Cause:* Faulty solenoid or sticky pinion gear. *Solution:* Professional diagnosis and replacement.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified automotive technician.

6. VEHICLE COMPATIBILITY

This DB Electrical 410-40062 Automotive Starter is compatible with/replacement for the following vehicle models:

- **Hyundai:** Elantra 2012, 2013; Elantra Coupe 2013; Elantra GT 2013, 2014; Tucson 2014
- **Kia:** Forte 2014-2016; Forte Koup 2014; Forte5 2014; Soul 2012, 2003

Always verify the part fits your specific vehicle before purchasing and installing.

7. WARRANTY AND SUPPORT

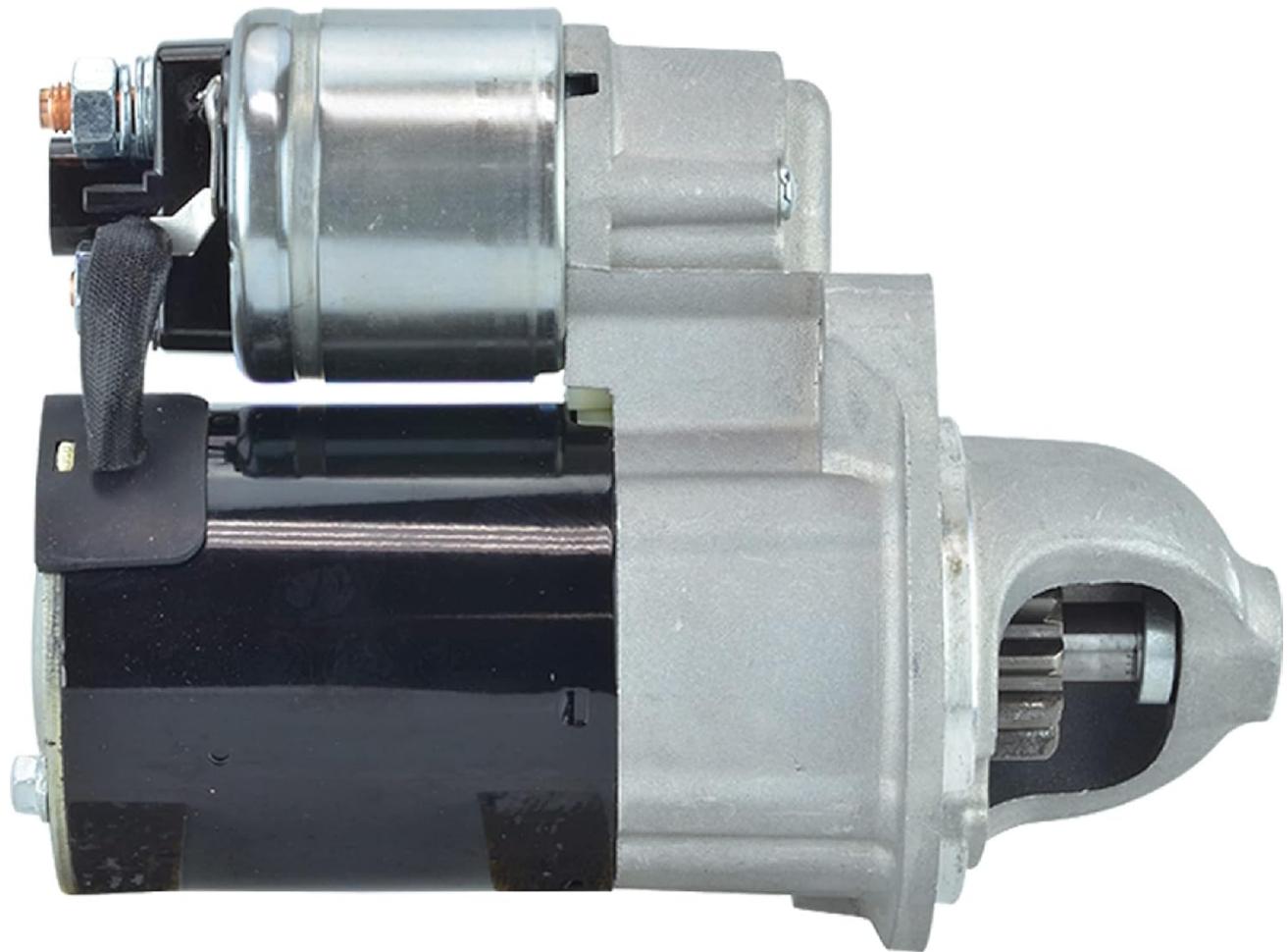
DB Electrical offers a **1-year warranty** on this product, protecting you after your purchase. We are confident that our products will work flawlessly once installed in your vehicle. However, in the rare case that it does not, we will replace it anytime within one year of your order. If you encounter any problems, please contact DB Electrical for assistance and replacement options. We are committed to ensuring customer satisfaction.

8. VISUAL AIDS

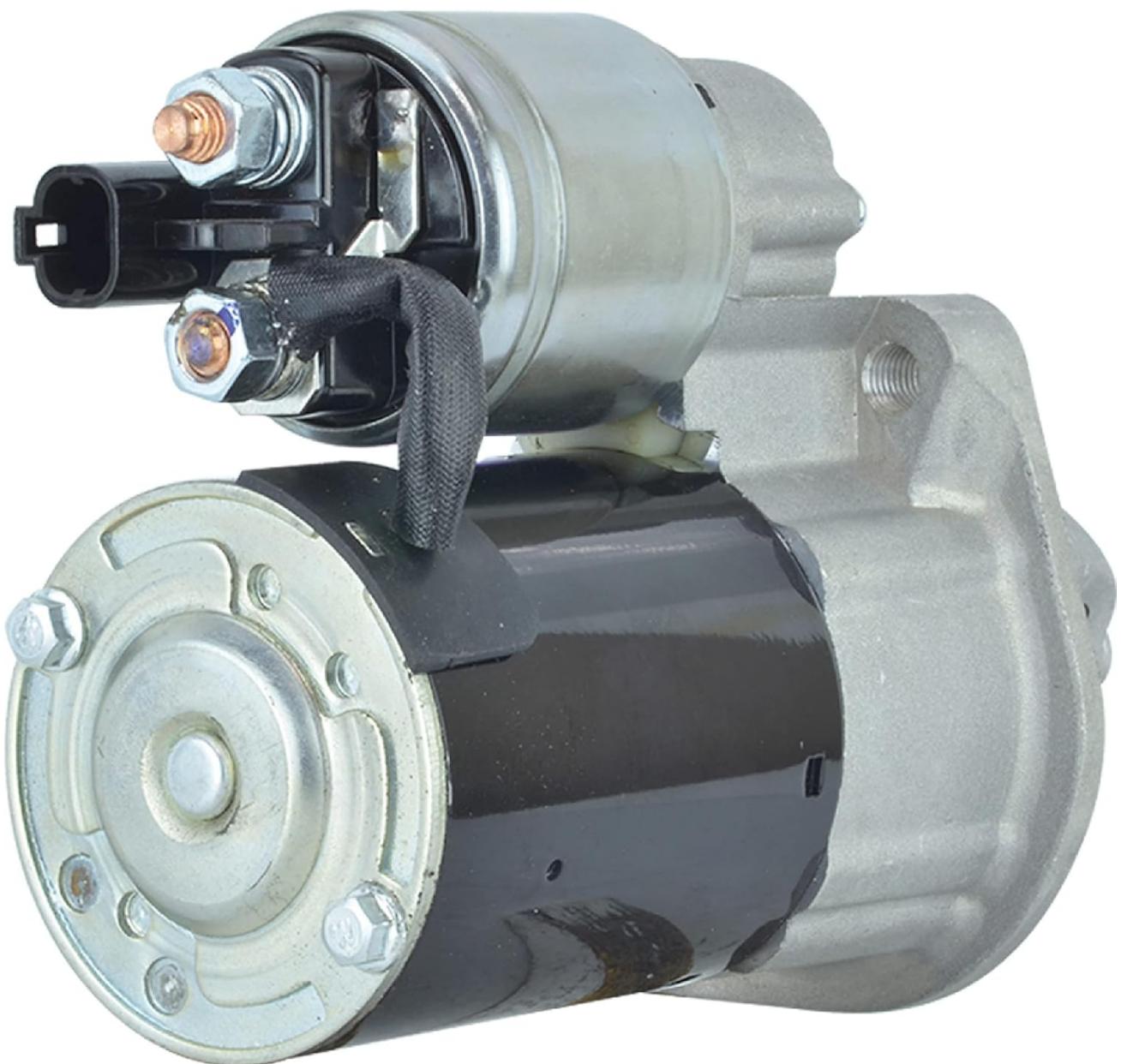
Product Images:



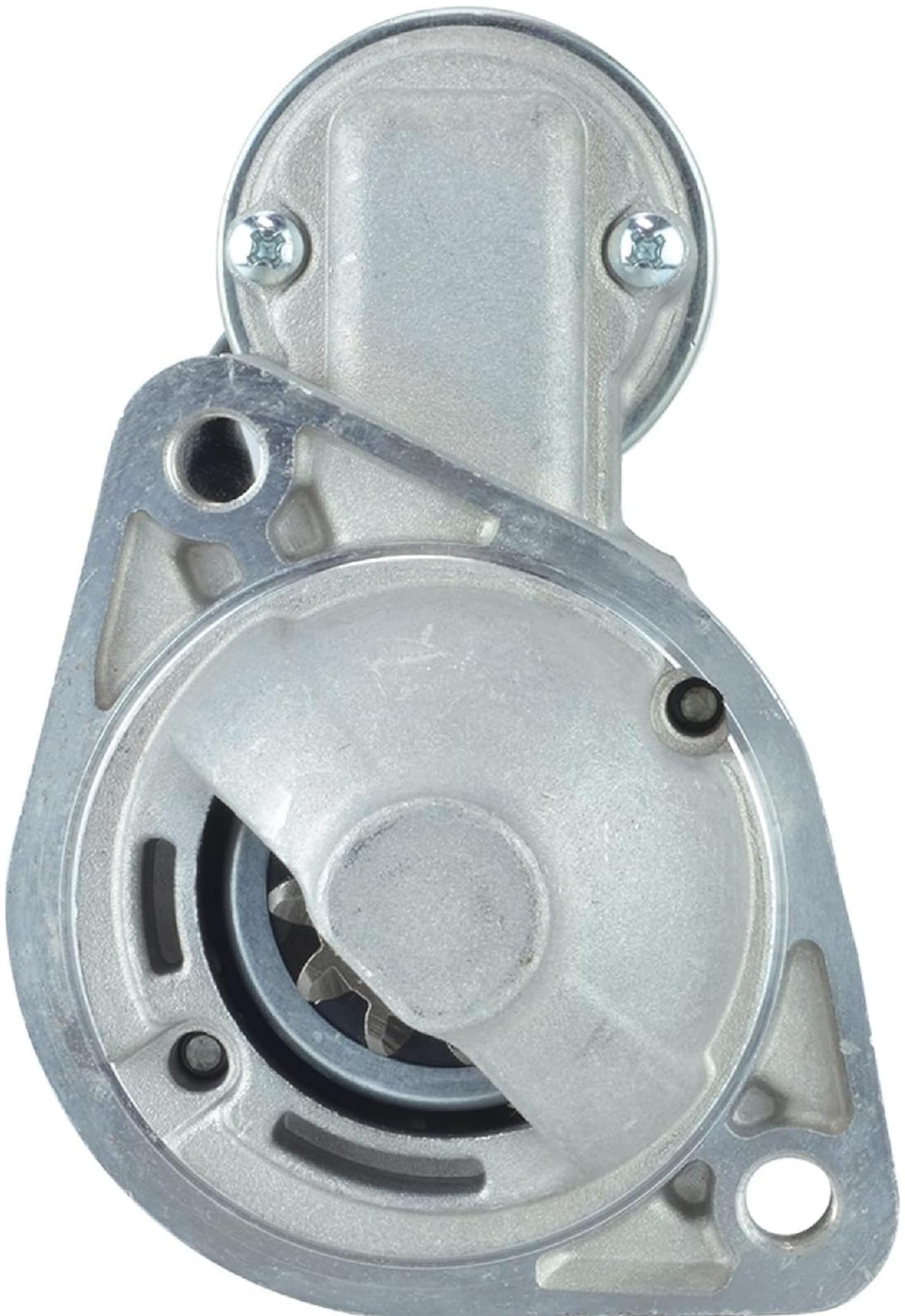
Main view of the DB Electrical 410-40062 Automotive Starter, showcasing its overall design and components.



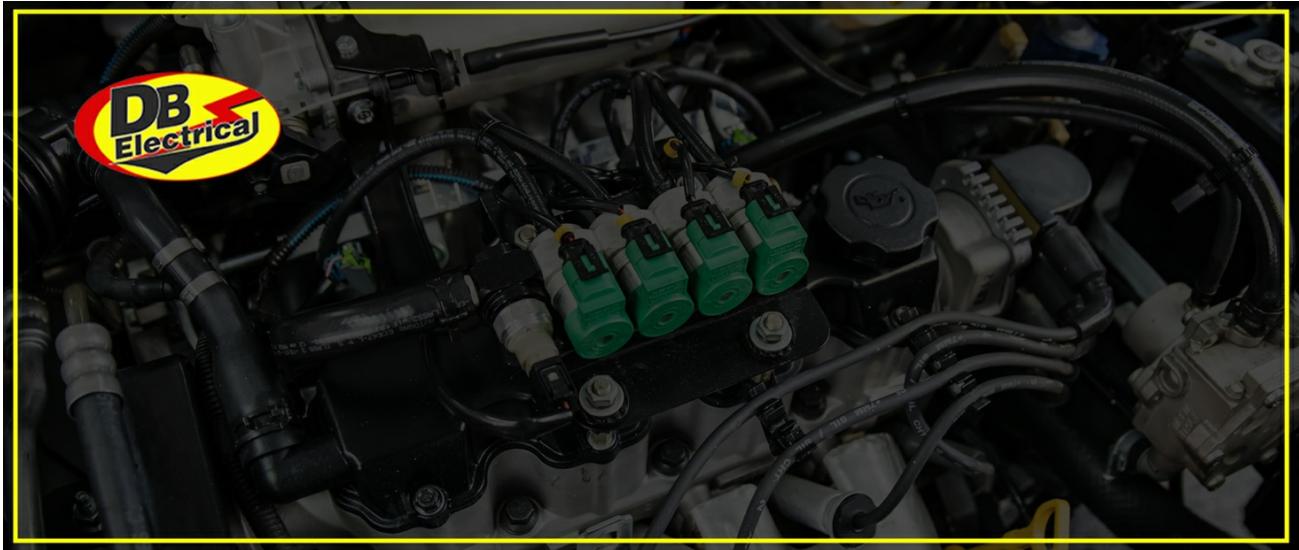
Side view of the starter, highlighting the motor housing and mounting points.



Rear view of the starter, showing the electrical terminals and solenoid.



Front view of the starter, clearly showing the pinion gear for engine engagement.



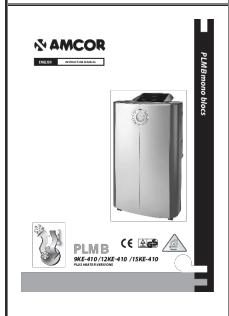
An image depicting an engine bay, providing context for where the starter motor is installed.

Official Product Videos:

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This video, titled "Starter Motor & Bendix Video 3" by DB Electrical, provides a visual overview of starter motors and bendix drives, offering additional insight into the product's function and related components.

Related Documents - 410-40062

	<p>Kobe Gosei Chain Oil (Wet Mousse Type) MSYS-40062-07 Safety Data Sheet</p> <p>Comprehensive Safety Data Sheet (SDS) for Kobe Gosei's Chain Oil (Wet Mousse Type), model MSYS-40062-07. Details chemical properties, GHS hazard classifications, safe handling procedures, emergency response, exposure controls, and regulatory compliance for this lubricant.</p>
	<p>Amcor PLMB Mono Blocs Air Conditioner Instruction Manual</p> <p>Comprehensive instruction manual for Amcor PLMB series mono bloc air conditioners (PLMB9KE-410, PLMB12KE-410, PLMB15KE-410, and Plus Heater versions), covering installation, operation, safety, maintenance, troubleshooting, and technical specifications.</p>

	<p>Amcor PLMB Series Portable Air Conditioner Instruction Manual</p> <p>Comprehensive instruction manual for Amcor PLMB series portable monobloc air conditioners (PLMB9KE-410, PLMB12KE-410, PLMB15KE-410, including Plus Heater versions). Covers installation, operation, safety guidelines, filter maintenance, troubleshooting, technical data, and warranty information.</p>
	<p>Niko Easywave Flush-Mounting RF Receiver: Installation and Specifications</p> <p>Detailed installation guide and technical specifications for Niko Easywave flush-mounting RF receivers (models 410-00331 and 410-00332). Learn about wireless network setup, wiring, product features, and compliance.</p>
	<p>Bellevue Adelice 58" Wide 6 Drawer Dresser: Assembly Instructions and Parts List</p> <p>Comprehensive assembly instructions, parts list, and safety warnings for the Bellevue Adelice 58" Wide 6 Drawer Hardwood Dresser (Model HMIF82297RBB). Includes details on hardware, legs, and tipover restraint installation.</p>
	<p>Sennheiser IS 410 Cordless Infra-red Stethoset Receiver System: Instruction Manual</p> <p>Comprehensive instruction manual for the Sennheiser IS 410 cordless infra-red stethoset receiver system. This guide covers setup, operation, controls, maintenance, troubleshooting, and technical specifications for optimal use of your audio system.</p>