

VEVOR

Affordable. Reliable. Home Improvement.

ELECTRIC STARTER MOTORS

MODEL: 120-001QX-

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**ELECTRIC STARTER
MOTORS**

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



Warning-To reduce the risk of injury, user must read instructions manual carefully.

SAFETY WARNING INSTRUCTIONS FOR INSTALLATION

- 1.Before installation, disassembly, or maintenance, firmly disconnect the battery power to avoid electric shock or short circuits.**
- 2.Prohibit operation in flammable and explosive environments to prevent sparks from causing hazards.**
- 3.Non-professionals shall not modify or repair without authorization to avoid component damage or safety accidents.**
- 4.Ensure the starter motor is firmly fixed during use to prevent loosening or detachment during operation.**
- 5.After replacing this electric starter motor, some vehicle models may experience idle instability. Clean the throttle valve promptly to ensure stable engine operation. If self-operation is difficult, consult a professional maintenance agency to avoid malfunctions from improper handling.**


INSTALLATION METHOD

- 1.Positioning: Align the starter motor with the engine's installation position to ensure hole alignment.**
- 2.Fixing: Use mounting bolts to fasten the starter motor on the engine, ensuring no shaking.**
- 3.Wiring: Connect the battery's positive and negative power cords. Ensure correct positive/negative alignment to avoid reverse connection.**
- 4.Debugging: Power on, test the starting function briefly, and check for normal operation.**

PRODUCT PARAMETERS

Model	Voltage	Power	OE
120-001QX-	DC12V	1600 (tolerance: +5, -10%)	PN17986

ACCESSORIES LIST

Item	Qty	Picture
Electric Starter Motors	1	

Vehicle Models Compatible With

Compatible Alternatives for TOYOTA:

Camry V6 3.5L 2007-2017 / 3.3L 2004-2006 / 3.0L 2002-2006 L4 2.5L 2010-2017 / 2.4L 2002-2009

Highlander V6 3.5L 2008-2016 / 3.3L 2004-2007 L4 2.7L 2009-2019 / 2.4L 2004-2007

RAV4 V6 3.5L 2006-2012 L4 2.5L 2009-2018 / 2.4L 2006-2008

Avalon V6 3.5L 2005-2018

Sienna V6 3.5L 2007-2016 / 3.3L 2004-2006 L4 2.7L 2011-2013

Solara V6 3.3L 2004-2008 / 3.0L 2002-2003 L4 2.4L 2002-2008

Matrix L4 2.4L 2009-2013

Corolla L4 2.4L 2009-2010

Venza V6 3.5L 2009-2015 L4 2.7L 2009-2015

Compatible Alternatives for LEXUS:

ES350 Series V6 3.5L 2007-2018

ES330 Series V6 3.3L 2004-2006

ES300 Series V6 3.0L 2002-2003

RX350 Series V6 3.5L 2007-2015
RX330 Series V6 3.3L 2004-2006
NX300 Series L4 2.0L 2018-2019
NX200t Series L4 2.0L 2015-2017
Compatible Alternatives for SCION:
XB Series L4 2.4L 2008-2015
TC Series L4 2.5L 2011-2016
TC Series L4 2.4L 2005-2010
Compatible Alternatives for PONTIAC:
G6 L4 2.4L 2009-2010

Alternative OEM Numbers

Denso Corporation: 228000-9900 228000-9901 228000-9902
428000-0700 428000-0701 428000-1840 428000-1841 428000-1842
428000-3090 428000-4530 DSN1003 DSN977 428000-1081
428000-1082 428000 0-4310 428000-4311 428000-5870
428000-5880 428000-5903 428000-5904 428000-5913 428000-5980
428000-5981 428000-5982 428000-5983 428000-7492 428000-7503
438000-0630
Lester: 17825 17825N 19046 19047 19171 19172 19316
Remy: 17338 DRS0045 DRS0764
Toyota: 28100-20021 28100-20022 28100-28040 28100-28041

PRODUCT USAGE INSTRUCTIONS

- 1.Positioning:** Align the starter motor with the engine's installation position to ensure hole alignment.
- 2.Fixing:** Use mounting bolts to fasten the starter motor on the engine, ensuring no shaking.
- 3.Wiring:** Connect the battery's positive and negative power cords. Ensure correct positive/negative alignment to avoid reverse connection.
- 4.Debugging:** Power on, test the starting function briefly, and check for normal operation.

- 5. Confirm the engine is in normal condition before startup, with no abnormal jams.**
- 6. Connect battery power, briefly press the start button (or turn the key to the start gear). Single-start time should not exceed 5 seconds.**
- 7. If the engine fails to start initially, retry after a 10–15-second interval. Avoid continuous long-time starting to prevent motor damage.**

CARE INSTRUCTIONS

- 1. Regular Inspection: Monthly check for loose mounting bolts and oxidized or loose power cord connectors.**
- 2. Cleaning Maintenance: Every six months, clean dust and oil stains on the starter motor's surface to prevent impurities from affecting operation.**
- 3. Lubrication Maintenance: Add lubricating grease to transmission components (e.g., gears) every 1–2 years based on usage frequency to ensure smooth operation.**
- 4. Fault Repair: In case of issues like weak starting or abnormal noise, power off immediately and contact a professional for repair.**

Manufacturer: Shanghaimuxinmuyeyouxiangongsi

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Imported to USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

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