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› TORCH A5RTC Spark Plug Instruction Manual

TORCH A5RTC

TORCH A5RTC Spark Plug Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and understanding of your TORCH A5RTC spark plug. The TORCH A5RTC is a high-quality replacement spark plug designed for various engines, ensuring reliable ignition and optimal engine performance.

TORCH SPARK PLUGS

YOUR EXCELLENT CHOICE

TORCH A5RTC SPARK PLUG

- **OE Number**

HON-DA (0650140860)
HON-DA (98056-55757)
HON-DA (9805655777)

- **Replace for**

FOR NGK: CR5HSB, CR5HSA
FOR DENSO: U16FSR-UB



Image 1: The TORCH A5RTC spark plug, a high-quality component for engine ignition.

2. PRODUCT OVERVIEW AND COMPATIBILITY

The TORCH A5RTC spark plug is engineered to be a direct replacement for several common spark plug models and is compatible with a range of engines. It features a high melting point electrode for extended lifespan and high alumina ceramic for superior heat transfer and electrical insulation, offering excellent corrosion resistance.

Key Replacements and Compatible Models:

- Replaces NGK 6535 / CR5HSB spark plugs.
- Replaces Champion 808 / Z9Y spark plugs.
- Compatible with Honda GX31, GX100, GXH50 engines.
- Suitable for EU2000I and EU2200 Series Generators.

Always verify your engine's specific spark plug requirements and dimensions before installation to ensure proper fit and function.

WHY CHOOSE OUR SPARK PLUGS

HEAT RESISTANCE

INSULATOR

THERMAL CONDUCTIVITY



Better heat resistance, stain resistance

✓

Excellent insulator, quickly ignite

✓

Better thermal conductivity, prevent excessive combustion

✓



OTHERS

Dirty loss

✗

Poor ignorance performance

✗

Easy to ablate

✗



Image 2: Overview of TORCH A5RTC OE numbers and compatible replacement models.



Image 3: Examples of applications for TORCH spark plugs, including automotive, motorcycle, lawn & garden, marine, and industrial engines.

3. SPECIFICATIONS

The following table details the key specifications for the TORCH A5RTC spark plug:

Specification	Value
Model Number	A5RTC
Thread Size	10 mm x 1 mm
Thread Reach	12.7 mm

Specification	Value
Hex Size	16 mm
Heat Rating	5
Core Material	Steel Alloy / High Alumina Ceramic
Top Material Type	Platinum
Product Dimensions	2.54 x 12.7 x 17.78 cm
Weight	30 g

4. INSTALLATION INSTRUCTIONS

Proper installation is crucial for the performance and longevity of your spark plug. Always ensure the engine is cool before attempting to remove or install spark plugs.

Installation Steps:

- Preparation:** Ensure the engine is turned off and cool. Disconnect the spark plug wire.
- Removal:** Use a spark plug wrench to carefully remove the old spark plug. Inspect the old spark plug for signs of wear or damage.
- Inspection:** Before installing the new TORCH A5RTC spark plug, visually inspect it for any manufacturing defects.
- Gap Adjustment (if necessary):** While TORCH spark plugs are typically pre-gapped, it is good practice to verify the gap according to your engine manufacturer's specifications using a gapping tool. Adjust if needed by carefully bending the ground electrode.
- Installation:** Thread the new spark plug into the cylinder head by hand to prevent cross-threading. Once finger-tight, use a torque wrench to tighten it to the recommended specification.
- Torque Specification (for M10 Flat Seat Spark Plugs like A5RTC):**
 - Torque: **10-15 N.m**
 - Angle: **90-120°**
- Reconnect:** Reconnect the spark plug wire firmly.



Image 4: A new spark plug being installed into an engine, emphasizing careful handling.



Image 5: Visual guide for spark plug installation, showing recommended torque and angle specifications for various thread sizes and seat types.

5. MAINTENANCE

Spark plugs are wear components and require regular inspection and replacement to maintain optimal engine performance. Regular maintenance ensures efficient combustion, better fuel economy, and reduced emissions.

When to Replace Spark Plugs:

- **Standard Replacement Intervals:**
 - For turbocharged engines: typically every 15,000-20,000 km.
 - For naturally aspirated engines: typically every 50,000-60,000 km.
- These intervals can vary based on the spark plug material, engine manufacturer's recommendations, driving conditions, driving habits, and oil quality. Always refer to your vehicle's maintenance manual for precise recommendations.

Benefits of TORCH Spark Plugs:

- **Heat Resistance:** Better resistance to heat and staining, contributing to a longer lifespan.
- **Insulation:** Excellent insulator properties for quick and reliable ignition.
- **Thermal Conductivity:** Improved thermal conductivity helps prevent excessive combustion and overheating.



Image 6: Diagram illustrating the advantages of TORCH spark plugs in terms of heat resistance, insulation, and thermal conductivity compared to other spark plugs.

6. TROUBLESHOOTING

If your engine exhibits any of the following symptoms, it may indicate that your spark plugs need inspection or replacement:

- Reduced fuel efficiency.
- Engine misfires or rough idling.
- Difficulty starting the engine.
- Lack of acceleration or power.
- Increased exhaust emissions.

Regular inspection of spark plugs can help identify issues early and prevent further engine problems. Consult a qualified mechanic if you are unsure about diagnosing or replacing spark plugs.

7. WARRANTY AND SUPPORT

TORCH stands behind the quality of its products. If for any reason you are not satisfied with your purchase, you may request a replacement or a full refund. For any questions or concerns, please do not hesitate to contact our customer support. We are committed to providing a satisfactory solution and demonstrating our sincere dedication to customer satisfaction.

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