

NGK 5506

NGK 5506 HT Lead Set Instruction Manual

Comprehensive guide for installation and maintenance of NGK 5506 High Tension Lead Set.

1. PRODUCT OVERVIEW

The NGK 5506 HT Lead Set is designed to provide reliable ignition performance for compatible vehicle models. This set includes four resistive ignition cables, ensuring efficient power transfer to the spark plugs. Proper installation and maintenance are crucial for optimal engine operation and longevity of the components.



Figure 1: NGK 5506 HT Lead Set. This image displays the complete set of four high tension ignition cables, coiled together, highlighting their black color and robust construction.

2. COMPATIBILITY

This NGK 5506 HT Lead Set is compatible with specific vehicle models. Verify your vehicle's compatibility before installation. Refer to your vehicle's service manual or consult a qualified mechanic if unsure.

Known Compatible Models:

- Hyundai Getz Hatchback 1.3 (2002 - 2010) 63kW
- Hyundai Accent II 1.3 (1999 - 2005) 63kW
- Hyundai Getz Hatchback 1.3 i (2002 - 2010) 60kW
- Hyundai Accent II 1.3 (1999 - 2005) 55kW
- Hyundai Accent II 1.3 (1999 - 2005) 62kW
- Hyundai Accent II 1.3 (1999 - 2005) 61kW
- Hyundai Accent Saloon 1.3 (1999 - 2006) 55kW
- Hyundai Accent Saloon 1.3 (1999 - 2006) 63kW

Equivalent Part Numbers:

- HYUNDAI: 27501-22B10, 27501-02D00, 27501-22B00
- KIA: 27501-22B10
- BERU: 0300891519, ZEF1519
- BOSCH: B898, 0986356898
- EUROCABLE: EC 7759
- FAE: 85998
- NIPPARTS: J5380512
- BRECAV: 29.505
- BREMI: 600/481
- FACET: 4.7119

3. SAFETY PRECAUTIONS

Always prioritize safety when working on vehicle ignition systems. High voltage is present. Failure to follow safety guidelines can result in serious injury or damage to the vehicle.

- Ensure the vehicle's engine is completely off and cooled down before beginning any work.
- Disconnect the negative terminal of the vehicle's battery to prevent accidental engine cranking or electrical shock.
- Wear appropriate personal protective equipment, including safety glasses and insulated gloves.
- Avoid touching metal components of the ignition system while the engine is running or the battery is connected.
- If you are unsure about any step, consult a professional mechanic.

4. INSTALLATION (SETUP)

This section outlines the general procedure for installing the NGK 5506 HT Lead Set. Specific steps may vary slightly depending on the vehicle model. Always refer to your vehicle's service manual for detailed instructions.

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and ensure the engine is off and cool. Disconnect the negative battery terminal.
2. **Identify Existing Leads:** Locate the current high tension leads connecting the ignition coil (or distributor) to the spark plugs. Note the routing and length of each lead. It is recommended to replace one lead at a time to avoid mixing up connections.

3. **Remove Old Leads:** Carefully grasp the spark plug boot and twist slightly while pulling to remove it from the spark plug. Do not pull on the wire itself. Repeat for the ignition coil/distributor end.
4. **Compare New Leads:** Select a new NGK 5506 lead that matches the length and connector type of the lead you just removed. The set includes leads of varying lengths to fit different cylinder positions.



Figure 2: Close-up view of NGK HT Lead connectors. This image shows the spade connector type and the spark plug boot end, illustrating the design of the cable ends.

5. **Install New Leads:** Apply a small amount of dielectric grease (not included) to the inside of both ends of the new lead. This aids in sealing and prevents corrosion. Firmly push the spark plug boot onto the spark plug until it clicks or seats securely. Then, connect the other end to the corresponding terminal on the ignition coil or distributor. Ensure a snug fit.
6. **Repeat for All Leads:** Continue this process, replacing one lead at a time, until all old leads have been replaced with the new NGK 5506 HT Lead Set.



Figure 3: NGK HT Lead Set showing different lengths. This image displays three individual high tension leads, each with a distinct length, demonstrating the variety provided in the set for different cylinder configurations.

7. **Secure Leads:** Ensure the new leads are routed correctly and secured away from hot engine components or moving parts to prevent damage.
8. **Final Check:** Double-check all connections to ensure they are secure. Reconnect the negative battery terminal.

5. OPERATING CONSIDERATIONS

Once installed, the NGK 5506 HT Lead Set operates as part of your vehicle's ignition system. No specific user operation is required beyond normal vehicle use. The leads are designed for long-term, maintenance-free operation under normal

driving conditions.

- After installation, start the engine and listen for any unusual sounds or misfires.
- Observe the engine's idle and acceleration for smooth operation.
- If any issues arise, refer to the Troubleshooting section.

6. MAINTENANCE

The NGK 5506 HT Lead Set is designed for durability. Regular inspection is recommended as part of your vehicle's routine maintenance schedule.

- **Visual Inspection:** Periodically check the leads for signs of wear, cracking, fraying, or damage to the insulation. Look for any discoloration or burn marks, which could indicate arcing.
- **Connection Integrity:** Ensure all connections to the spark plugs and ignition coil/distributor remain tight and free from corrosion.
- **Cleaning:** If necessary, gently wipe the leads with a clean, damp cloth to remove dirt or oil. Avoid using harsh chemicals or solvents.
- **Replacement:** Replace leads if any damage is observed or if engine performance issues (e.g., misfires, rough idle) are suspected to be related to the ignition system.

7. TROUBLESHOOTING

If you experience issues after installing the NGK 5506 HT Lead Set, consider the following common problems and solutions:

Symptom	Possible Cause	Solution
Engine Misfire / Rough Idle	Incorrect lead connection, damaged lead, faulty spark plug, or other ignition component issue.	<ul style="list-style-type: none">• Verify all leads are securely connected to the correct spark plug and ignition coil/distributor terminal.• Inspect leads for visible damage.• Check spark plugs for wear or damage.• Consult a diagnostic tool for specific cylinder misfire codes.
Engine Cranks but Does Not Start	No spark, fuel delivery issue, or timing problem.	<ul style="list-style-type: none">• Ensure all leads are properly installed and connected.• Check for spark at the spark plugs (use a spark tester, if available, with caution).• Verify fuel pressure and injector operation.• If no spark, inspect ignition coil/distributor and crankshaft position sensor.

Symptom	Possible Cause	Solution
Poor Engine Performance / Reduced Fuel Economy	Degraded lead performance, incorrect spark plug gap, or other engine issues.	<ul style="list-style-type: none"> Inspect leads for internal resistance issues (requires a multimeter and specific knowledge). Check spark plug condition and gap. Ensure air filter is clean and fuel system is operating correctly.

If troubleshooting steps do not resolve the issue, it is recommended to seek assistance from a certified automotive technician.

8. SPECIFICATIONS

Detailed technical specifications for the NGK 5506 HT Lead Set:

- Model Number:** 5506
- Brand:** NGK
- Manufacturer:** NGK SPARK PLUG
- Ignition Cable Type:** Resistive Ignition Cable
- Number of Circuits:** 4
- Color:** Black
- Material:** Lead (referring to the cable material, not the element)
- Connector Type:** Spade Connector
- Product Dimensions:** Approximately 5.08 x 4.1 x 3.34 cm (packaged)
- Item Weight:** Approximately 290 g
- UPC:** 087295055069
- OEM Part Numbers:** HYUNDAI: 27501-02D00, 27501-22B00, 27501-22B10; KIA: 27501-22B10

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your NGK 5506 HT Lead Set, please refer to the official NGK website or contact your authorized NGK dealer. Keep your purchase receipt as proof of purchase.

Manufacturer: NGK SPARK PLUG

For further assistance, visit the [NGK Global Website](#).

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