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P SeekPro 715023

Armature Magneto Ignition Coil User Manual

Brand: P SeekPro | Model: 715023

1. Introduction

This manual provides essential information for the P SeekPro Armature Magneto Ignition Coil, part number 715023. It covers product overview, compatibility, safety guidelines, installation procedures, maintenance tips, and troubleshooting. This component is designed as a replacement part for specific Briggs and Stratton engines to ensure proper ignition system function.

2. Product Overview

The armature magneto ignition coil is a critical component in small engines, responsible for generating the high voltage required to create a spark at the spark plug. This spark ignites the fuel-air mixture, allowing the engine to start and run. The P SeekPro 715023 coil is engineered for reliable performance and direct fitment in compatible Briggs and Stratton engines.

Figure 2.1: Front view of the P SeekPro Armature Magneto Ignition Coil. This image displays the main body of the coil, the attached spark plug boot, and the mounting brackets.

3. Compatibility

This P SeekPro Armature Magneto Ignition Coil (PN: 715023) is compatible with a wide range of Briggs and Stratton engine series. Please verify your engine's model number against the list below to ensure proper fitment. This coil is designed for engines in the 115432, 115437, 115462, 115492, 117431, 117432, 117436, and 117437 series.

Specific compatible models include:

- **115432 Series:** 115432-0029-01, 115432-0035-01, 115432-0035-02, 115432-0035-03, 115432-0036-01, 115432-0036-02, 115432-0037-01, 115432-0038-01, 115432-0038-02, 115432-0040-01, 115432-0040-02, 115432-0041-01, 115432-0043-99, 115432-0045-01, 115432-0047-01, 115432-0047-02, 115432-0050-01, 115432-0053-01, 115432-0055-01, 115432-0058-01, 115432-0060-01, 115432-0061-01, 115432-0062-01, 115432-0078-01, 115432-0078-02, 115432-0080-01, 115432-0080-02, 115432-0081-01, 115432-0100-01, 115432-0101-99, 115432-0104-01, 115432-0104-02, 115432-0107-01, 115432-0111-01, 115432-0115-01, 115432-0116-01, 115432-0117-01, 115432-0123-01, 115432-0126-01, 115432-0127-01, 115432-0129-01, 115432-0130-01, 115432-0131-01, 115432-0133-01, 115432-0135-99, 115432-0138-01, 115432-0139-01, 115432-0140-01, 115432-0141-01, 115432-0235-A1, 115432-0236-A1, 115432-0238-A1, 115432-0530-A1, 115432-0536-E1, 115432-0538-E1, 115432-0582-01
- **115437 Series:** 115437-0039-01, 115437-0054-01, 115437-0059-01, 115437-0063-01, 115437-0079-01
- **115462 Series:** 115462-0046-01, 115462-0072-01, 115462-0106-01, 115462-0128-01, 115462-0141-01
- **115492 Series:** 115492-0072-99
- **117431 Series:** 117431-0550-E1
- **117432 Series:** 117432-0036-01, 117432-0036-02, 117432-0102-01, 117432-0134-01, 117432-0155-01, 117432-0190-01, 117432-0193-01, 117432-0194-01, 117432-0196-01, 117432-0198-01, 117432-0235-B1, 117432-0235-B2, 117432-0235-E1, 117432-0235-E2, 117432-0236-A1, 117432-0236-B1, 117432-0236-E1, 117432-0236-E2, 117432-0236-E3, 117432-0238-B1, 117432-0238-E1, 117432-0247-E1, 117432-0247-E2,

117432-0256-E1, 117432-0260-E1, 117432-0281-B1, 117432-0281-E1, 117432-0502-B1, 117432-0502-E1, 117432-0505-E1, 117432-0530-E1, 117432-0550-A1, 117432-0550-E1, 117432-0551-A1, 117432-0551-E1, 117432-0552-A1, 117432-0552-E1, 117432-0553-A1, 117432-0553-E1, 117432-0555-E1, 117432-0581-A1, 117432-058117432-0583-B1, 117432-0583-E1, 117432-0586-B1, 117432-0586-E1, 117432-0592-E1, 117432-0594-B1, 117432-0594-E1, 117432-0597-E1, 117432-0603-E1, 117432-0604-B1, 117432-0604-E1, 117432-0605-01, 117432-0606-01, 117432-0608-E1, 117432-0612-B1, 117432-0612-E1, 117432-0614-B1, 117432-0614-E1, 117432-0616-01, 117432-0622-B1, 117432-0622-E1, 117432-0623-B1, 117432-0623-E1, 117432-0626-B1, 117432-0626-E1

- **117436 Series:** 117436-0242-B1, 117436-0242-E1, 117436-0558-E1
- **117437 Series:** 117437-0239-B1, 117437-0239-E1, 117437-0595-E1, 117437-0596-E1, 117437-0600-E1, 117437-0613-B1, 117437-0613-E1, 117437-0628-B1, 117437-0628-E1
- **117462 Series:** 117462-0101-01, 117462-0135-01, 117462-0189-01

4. Safety Information

Always prioritize safety when working with engine components. Failure to follow safety precautions can result in serious injury or damage to equipment.

- **Disconnect Power:** Before beginning any work on the engine, ensure the spark plug wire is disconnected and the battery (if applicable) is disconnected to prevent accidental starting or electrical shock.
- **Engine Cool Down:** Allow the engine to cool completely before handling any components to avoid burns.
- **Eye Protection:** Always wear appropriate eye protection to shield against debris or unexpected sparks.
- **Gloves:** Wear work gloves to protect hands from sharp edges, hot surfaces, and chemicals.
- **Ventilation:** Work in a well-ventilated area, especially if dealing with fuel or cleaning agents.
- **Consult Engine Manual:** Refer to your specific engine's service manual for detailed safety instructions and procedures.

5. Setup and Installation

Replacing an armature magneto ignition coil requires careful attention to detail. If you are unsure about any step, it is recommended to seek assistance from a qualified service technician or consult your engine's official service manual.

Required Tools:

- Wrench set or socket set
- Feeler gauge (for setting air gap)
- Screwdriver (if applicable)

Installation Steps:

1. **Prepare the Engine:** Ensure the engine is off and cool. Disconnect the spark plug wire from the spark plug.
2. **Locate the Old Coil:** The ignition coil is typically mounted near the flywheel, often secured by two bolts. The spark plug wire will lead directly from it.
3. **Remove the Old Coil:** Carefully disconnect any wires attached to the coil (e.g., kill switch wire). Use a wrench or socket to remove the mounting bolts. Retain these bolts if they are in good condition.
4. **Install the New Coil:** Position the new P SeekPro 715023 ignition coil in place. Insert the mounting bolts, but do not tighten them completely yet.
5. **Set the Air Gap:** This is a critical step. Insert a non-magnetic feeler gauge (typically 0.008-0.012 inches, consult your engine manual for the exact specification) between the coil's laminations (the metal legs) and the flywheel magnets. Rotate the flywheel until the magnets are directly under the coil's laminations.

6. **Tighten Mounting Bolts:** While holding the feeler gauge in place, firmly tighten the coil's mounting bolts. Once tightened, remove the feeler gauge. The coil should now be properly spaced from the flywheel.
7. **Connect Wires:** Reconnect any wires that were detached, ensuring they are securely fastened.
8. **Reconnect Spark Plug Wire:** Firmly attach the spark plug boot to the spark plug.
9. **Test:** Attempt to start the engine to verify proper installation and function.

Figure 5.1: Side view of the ignition coil, showing the mounting points. This angle highlights the metal laminations that interact with the flywheel.

Figure 5.2: Another side view of the ignition coil, providing a different perspective of the spark plug boot and wiring connection.

6. Operation

Once correctly installed, the armature magneto ignition coil operates automatically as part of the engine's ignition system. It generates the necessary electrical pulse to fire the spark plug, initiating combustion within the engine cylinders. No user intervention is required for the coil's operation after installation.

7. Maintenance

The P SeekPro ignition coil is designed for durability and typically requires minimal direct maintenance. However, regular engine maintenance contributes to the longevity and performance of all components, including the ignition coil.

- **Keep Clean:** Ensure the area around the ignition coil and flywheel is free from dirt, debris, and oil buildup, which can interfere with its function or cause overheating.
- **Inspect Wires:** Periodically check the spark plug wire and any other connected wires for signs of wear, cracks, or damage. Replace if necessary.
- **Spark Plug Condition:** A fouled or worn spark plug can put undue stress on the ignition coil. Replace spark plugs according to your engine manufacturer's recommendations.
- **Air Gap:** While not typically a routine adjustment, if ignition issues arise, re-checking the air gap between the coil and flywheel may be necessary.

8. Troubleshooting

If your engine experiences ignition-related problems after installing the new coil, consider the following troubleshooting steps:

- **No Spark:**
  - Verify the spark plug wire is securely connected to both the coil and the spark plug.
  - Check the spark plug itself. A faulty spark plug will prevent ignition.
  - Ensure the kill switch wire (if present) is not grounded or damaged.
  - Re-check the air gap between the coil and the flywheel. An incorrect gap can prevent spark generation.
- **Weak or Intermittent Spark:**
  - Inspect the spark plug wire for damage or poor connections.
  - Ensure the coil's mounting bolts are tight and providing a good ground connection to the engine block.
  - Confirm the air gap is set correctly.
- **Engine Misfires or Runs Roughly:**
  - While potentially ignition-related, also check fuel delivery, carburetor settings, and engine compression.
  - Ensure the spark plug is clean and correctly gapped.

If problems persist after these checks, it is advisable to consult a professional engine mechanic.

9. Specifications

Feature	Detail
Part Number	715023
Brand	P SeekPro
Vehicle Service Type	Lawn Mower (Briggs and Stratton Engines)
Installation Type	Bolt-On
Connector Gender	Male
Item Weight	10.6 ounces
Package Dimensions	4.92 x 2.37 x 2.37 inches
Manufacturer	Partscloud

10. Warranty and Support

Specific warranty information for the P SeekPro Armature Magneto Ignition Coil (PN: 715023) was not provided in the product data. For details regarding warranty coverage, returns, or technical support, please contact the seller or the manufacturer, P SeekPro, directly. It is recommended to retain your proof of purchase for any warranty claims.

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