

ABN ABN-3124

ABN Diesel Injector Puller Tool Instruction Manual

Model: ABN-3124

1. INTRODUCTION

The ABN Diesel Injector Puller Tool is engineered for the safe and efficient removal of stuck common-rail diesel injectors. This tool allows for injector removal without requiring the disassembly of the cylinder head, streamlining maintenance and repair processes. It is compatible with various injector types, including Bosch and Lucas diesel injectors, through its included thread adapters.



Image 1: ABN Diesel Injector Puller Tool with its protective storage case.

2. SAFETY INFORMATION

Always prioritize safety when working with automotive tools. Failure to follow safety guidelines can result in injury or damage to the vehicle.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses and gloves, to protect against potential hazards.
- **Cold Engine Operation:** Ensure the engine is completely cold before attempting to remove injectors. Working on a hot engine can cause burns and damage to components.
- **Vehicle Stability:** Secure the vehicle on a level surface using jack stands or a lift before beginning any work.
- **Tool Inspection:** Inspect the tool for any signs of wear, damage, or defects before each use. Do not use damaged tools.
- **Proper Use:** Use the tool only for its intended purpose. Misuse can lead to tool failure or injury.

3. PACKAGE CONTENTS

The ABN Diesel Injector Puller Tool kit includes the following components:

- 1 x Diesel Injector Puller Tool (main bar and slide hammer assembly)
- 1 x 1.3-pound (0.6 kg) Slide Hammer Weight
- 1 x M8 Thread Adapter
- 1 x M12 Thread Adapter
- 1 x M14 Thread Adapter
- 1 x Storage Case



Image 2: Components of the ABN Diesel Injector Puller Tool kit, highlighting the slide hammer and adapters.

4. SETUP

Before operating the tool, ensure proper assembly and selection of the correct adapter.

1. **Identify Injector Thread:** Determine the thread size of the diesel injector you intend to remove. Common sizes are M8, M12, and M14.
2. **Select Adapter:** Choose the corresponding M8, M12, or M14 thread adapter from the kit.
3. **Attach Adapter:** Securely thread the selected adapter onto the end of the injector puller tool's shaft. Ensure it is tightened firmly to prevent detachment during use.



Image 3: Close-up view of a threaded adapter attached to the puller tool.

5. OPERATING INSTRUCTIONS

Follow these steps for effective and safe removal of diesel injectors:

1. **Prepare the Engine:** Ensure the engine is cold. Clear any obstructions around the injector to be removed.
2. **Attach the Tool:** Carefully thread the assembled puller tool (with the correct adapter) onto the top of the injector you wish to remove. Ensure a secure and tight connection.
3. **Operate the Slide Hammer:** Grip the main shaft of the tool firmly. With a controlled motion, slide the hammer weight towards the handle end of the tool, then quickly yank it back towards the injector. This action generates an impact force that transfers through the shaft to the injector.
4. **Repeat as Necessary:** Repeat the yanking action until the injector begins to loosen and can be safely extracted from its seating. Maintain control during each strike to prevent damage to the injector or surrounding engine components.
5. **Remove Injector:** Once sufficiently loosened, carefully pull the injector out.
6. **Consider Replacement:** For optimal engine balance and performance, it is often recommended to replace all injectors as a set, especially if one has failed.



Image 4: Demonstration of using the slide hammer mechanism for injector removal.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your ABN Diesel Injector Puller Tool.

- **Cleaning:** After each use, thoroughly clean the tool to remove any dirt, grease, fuel residue, or debris. Use a clean cloth and appropriate cleaning agents if necessary.
- **Lubrication:** Apply a light coat of rust-preventative oil to all metal surfaces, especially threaded parts, before storage.
- **Storage:** Store the tool in its original protective case in a dry, cool environment, away from direct sunlight and moisture. This prevents corrosion and protects the components from damage.
- **Inspection:** Regularly inspect the tool for any signs of wear, bending, cracking, or other damage. Replace any worn or damaged components immediately.



Image 5: Storing the ABN Diesel Injector Puller Tool in its protective case after use.

7. TROUBLESHOOTING

Refer to the following common issues and their solutions:

- **Injector Not Loosening:**

- Ensure the adapter is correctly threaded onto the injector and fully engaged.
- Apply more forceful, yet controlled, yanking motions with the slide hammer.
- Consider applying a penetrating oil to the base of the injector and allowing it to soak for an extended period before re-attempting removal.

- **Adapters Missing from Kit:**

- Verify all package contents immediately upon receipt.
- If components are missing, contact ABN customer support for assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	ABN
Model Number	ABN-3124
Material	Steel
Item Dimensions (L x W x H)	12 x 3 x 2.5 inches
Item Weight	2.49 pounds
Slide Hammer Weight	1.3 pounds (0.6 kg)
Bar Length	7 inches (178 mm)
Thread Adapters Included	M8, M12, M14
UPC	811498033124

9. WARRANTY AND SUPPORT

Specific warranty details for the ABN Diesel Injector Puller Tool are not provided in this manual. For warranty information, product support, or to inquire about replacement parts, please contact ABN customer service or visit the official ABN store.

ABN Store: [Visit the ABN Store on Amazon](#)