WHEEL STUD EXTRACTION/INSTALLATION KIT 5PC - M12 X 1.25, M12 X 1.5 AND M14 X 1.5 THREAD

MODEL No: **SX230**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual | Wear eye protection | Wear ear protection | Wear protection gloves

1. SAFETY

- × **DO NOT** use the extractor set for any purpose other than for which it is designed.
- ✓ Keep the set free from dirt and grime.
- ✓ Ensure your work area is tidy, well lit and free from hazards.
- ❑ **WARNING!** The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which can not be built into this product, but must be applied by the operator.

2. INTRODUCTION

Uses the air chisel punch adaptor and threaded sockets to efficiently remove wheel studs. Fitting bearings and threaded sockets allows for smooth stud installation without damaging threads. Suitable for BMW, Chrysler, Ford, Hyundai, Kia, Mazda, Mercedes-Benz, Mitsubishi, PSA, and VAG applications. Works with common stud sizes including M12 x 1.25, M12 x 1.5, and M14 x 1.5. Kit includes three threaded sockets, one air punch extractor, and one fitting bearing for professional use.

3. CONTENTS

1	M12X1.25
1	M12X1.5
1	M14X1.5
1	Fitting Bearing
1	Air Punch Extractor



4. SPECIFICATIONS

Model No:	**SX230**
Nett Weight:	0.68kg

5. INSTRUCTIONS

5.1. Before starting, make sure the vehicle is safely raised and supported on axle stands, with the wheel removed. If necessary, remove the brake calliper and disc to give clear access to the hub. Ensure there is enough space behind the hub for the stud to be driven out. Always wear eye protection, especially when using air tools.

5.2. To remove a wheel stud using the air punch extractor, position the punch squarely on the back of the stud. Apply steady, controlled bursts rather than continuous force. The vibration from the air hammer helps break the stud free from the hub splines, allowing it to slide out. Make sure the hub is supported and avoid excessive force, as this can damage the hub flange. If the stud is stubborn, a small amount of penetrating oil can help loosen it before trying again.

5.3. For installation, insert the new stud from the rear of the hub, ensuring it is aligned straight and seated as far as possible by hand. Next, slide the fitting bearing over the exposed threads of the stud. This bearing reduces friction and allows the stud to be pulled in smoothly without binding. Select the correct threaded installation nut from the kit that matches the stud size, and thread it onto the stud over the bearing.

Using a ratchet or breaker bar, begin tightening the installation nut. As you do this, the bearing allows the nut to rotate freely while pulling the stud into the hub. Tighten gradually and evenly, watching the back of the hub to ensure the stud head is drawing in straight. Continue until the stud head sits fully flush against the hub flange with no visible gap.

Once fully seated, remove the installation nut and bearing. Check that the stud is secure and properly aligned. Spin the hub to confirm smooth movement and ensure nothing is binding. Reassemble any removed brake components and reinstall the wheel, tightening the wheel nuts to the correct torque specification.

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Avoid using an impact gun during installation, as this can damage the threads or over-stress the stud. The fitting bearing should be kept clean and lightly lubricated for smooth operation, but the stud splines themselves must remain dry so they can grip the hub properly. If the stud begins to spin instead of pulling in, stop immediately, as this indicates the splines are not engaging correctly.

6. MAINTENANCE

6.1. To ensure your wheel stud extraction and installation kit remains in good working condition, it's important to clean and inspect it regularly. After each use, wipe down the air punch extractor, fitting bearing, and all threaded tools to remove dirt, grease, and metal shavings. Use a dry cloth or a brush for the threads, and avoid using water directly on the bearing, as moisture can cause rust or reduce smooth operation. Check the threads on all nuts and tools for signs of wear, stripping, or deformation. Damaged threads can compromise the ability to pull studs in or out properly and may damage the studs or hub. Inspect the fitting bearing for smooth rotation and any signs of pitting, corrosion, or excessive wear. If the bearing does not rotate freely or shows damage, replace it before using the kit again.
Lubricate the threads of the installation and extraction tools lightly with a high-quality anti-seize or machine oil to prevent galling, but avoid applying oil to the splines of the studs or the hub contact area, as this can reduce grip and lead to improper seating. Store all components in a clean, dry container or case to prevent contamination and physical damage.
Periodically, check the air punch extractor's fittings, hoses, and moving parts to ensure proper operation. Any unusual vibration, noise, or loss of power may indicate that the air tool requires servicing. Following these maintenance practices will extend the life of your kit and ensure safe, efficient wheel stud removal and installation every time.

7. END OF LIFE

7.1. When the kit reaches the end of its useful life, all components should be disposed of responsibly. Metal parts like the bearing and threaded tools can be recycled, while any lubricated or worn components should be cleaned before disposal. Do not continue using damaged tools, as this can create safety hazards. Always follow local regulations for recycling or disposing of pneumatic and mechanical equipment.

ENVIRONMENT PROTECTION
Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

REGISTER YOUR PURCHASE HERE

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.
IMPORTANT: No Liability is accepted for incorrect use of this product.
WARRANTY: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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