

DRAPER®

INSTRUCTIONS FOR Telescopic Spring Compressor

Stock No.60982 Part No.N1200B

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



DRAPER®

GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself. All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product. Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

TELESCOPIC SPRING COMPRESSOR

Stock no. 60982

Part no. N1200B

1.2 REVISIONS:

Date first published July 2014

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

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1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! Information that draws attention to the risk of injury or death.

CAUTION! Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

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2.1 CONTENTS

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3. GUARANTEE

3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.

Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that a fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agents.

Note: If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights. Draper Tools Limited.

4. INTRODUCTION

4.1 SCOPE

For use on wishbone suspension through access points in the rear suspension arm. Features two pairs of carefully shaped yokes that clamp the spring while it is being compressed. Saves time over traditional methods of demounting springs.

4.2 SPECIFICATION

Stock no.	60982
Part no.	N1200B
Capacity	1250kg
Yoke plates	1 set x 90-150mmØ
.....	1 set x 70-130mmØ
Drive.....	19mm Hex
Applications.....	Fiat, Hyundai, Mazda, Mercedes, Mitsubishi, Nissan,
.....	Peugeot, Rover, Saab, Toyota, Volvo, VW etc.

5. HEALTH & SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS

WARNING: When in use **DO NOT** allow the spring coils to touch - this will damage the tool and cause a dangerous release of spring pressure.

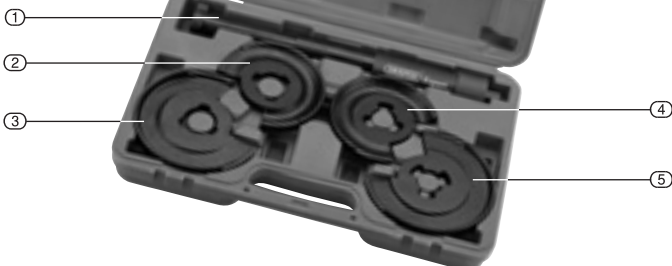
- **WARNING!** Wear approved protection.
- **WARNING!** Ensure the yokes correctly fit the spring **BEFORE** compressing.
- **DO NOT** operate if parts are damaged or missing as this may cause failure and personal injury.
- **DO NOT USE** the spring compressor for a task it is not designed for.

- **DO NOT** allow untrained persons to use this spring compressor.
- Maintain in good condition. Replace or repair damaged parts. Use genuine parts only. Unauthorised parts will be dangerous.
- Keep hands clear of the spring when operating the spring compressor.
- Wear appropriate protective clothing.
- When not in use clean and store the spring compressor in its protective case.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION

- ① Compressor shaft
- ② 70-130mmØ lower spring yoke
- ③ 90-150mmØ lower spring yoke
- ④ 70-130mmØ upper spring yoke
- ⑤ 90-150mmØ upper spring yoke



7. INSTRUCTIONS

7.1 FITTING THE COMPRESSOR - FIGS. 1 - 4

WARNING: Always select the correct yokes.

IMPORTANT: Do not begin with the coil spring compressor fully extended, but adjusted to a length of around 200mm. This gives travel to fully expand and compress the spring.

- Ensure the spring to be compressed is clean and grease where the yoke will be in contact with it.
1. Jack the vehicle. Ensure that the vehicle is safely supported.
 2. Insert the yoke (FIG.1-A) into the lower spring windings.
 3. Insert yoke (FIG.1-B) into the upper spring windings. Ensure that the spring sits between the inner and outer rims of the jaw.
 4. Insert the compressor shaft inside the spring from below, with the hexagonal drive nut facing downwards. Guide compressor shaft through the lower jaw and up into the upper jaw, when the compressor has passed through the upper jaw rotate the body through approx 50° ensuring it locates in the locking grooves on the jaw FIG.2.
 5. Using the 19mm Hex. drive, turn the drive nut until the jaws are firmly in contact with the spring. Double check that the spring is correctly clamped by both yokes and correctly aligned on the compressor shaft.
WARNING: DO NOT use air tools on the spring compressor. Use of air tools will invalidate the warranty.
WARNING: Spring compression MUST STOP BEFORE the windings touch. DO NOT allow the compressor to reach the limit of its travel in either direction.
 7. As soon as you have attained sufficient compression remove the spring from the vehicle.
 8. With the spring correctly supported rotate the compressor in the opposite direction and remove the compressor and yokes from the spring.
 9. To replace spring, reverse the above procedure.
WARNING! NOT DESIGNED FOR USE WITH AIR TOOLS. Use of air tools will invalidate the warranty, damage the unit and cause serious injury or death.

FIG. 1

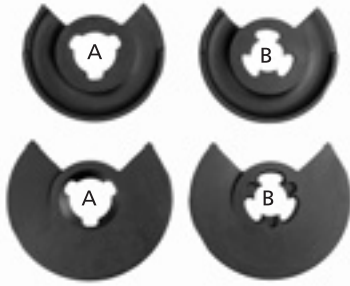


FIG. 2



FIG. 3



FIG. 4



8. MAINTENANCE

8.1 GENERAL MAINTENANCE.

1. Before each use check the whole tool ensuring it is not damaged or worn.
If damaged, do not use the unit, but quarantine the unit for inspection and repair.
2. Regularly grease the compressor spindle, at least every six months using graphite grease.
3. Keep the spring compressor clean, and when not in use store in its protective case.

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