



Model: **78619**

Product Type:

**18PCS. BRAKE CALIPER WIND BACK TOOL SET AND
8PCS. PROFESSIONAL BRAKE TOOL SET**



WARNING



Study, understand and follow all instructions provided with this product. Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.

INTENDED USE OF THE TOOL

This set is designed for removal and installation on brakes. Always assure to use the correct tool for the job that is being performed. Do not use this tool outside of the designed intent. Never modify the tool for any other purpose or use."



WARNING



Caution: To help prevent personal injury

- Normal use of this product is likely to expose the user to dust and/or microscopic particles containing chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Always wear appropriate safety equipment and clothing when using this product. Study, understand and follow all instructions provided with this product. Failure to read and follow all warnings and operating instructions may result in damages and serious injury or death.
- Always wear ANSI approved goggles when using this product. (Users and Bystanders).
- Never use this tool for any application other than for which it was designed.
- Only use accessories designed for this tool.
- Never alter or modify this tool in any way.
- Improper operation and/or maintenance of the tool, modification of the tool, or use of the tool with accessories not designed for it could result in serious injury or death.
- Always select the correct accessories of the correct size and design for the job that you are attempting to perform.
- Always work in a clean, safe, well-lit, organized and adequately equipped area.
- Do not begin repairs without assurance that vehicle is in secure position, and will not move during repair.



**Astro Pneumatic
Tool Company**

www.astrotools.com

1 YEAR LIMITED WARRANTY

- Astro Pneumatic Tool Co. warrants our products to the original user against defective material or workmanship for a period of 1 year (except where noted on our price schedule) from the date of 1st use. Astro reserves the right to determine whether the product failed because of defective material, workmanship or other causes and to charge back for missing parts. Astro Pneumatic Tool Co., at its discretion, will repair products covered under this warranty free of charge. The distributor should direct the original user to return the product (with the exceptions listed below) with the distributor's name, address, adequate proof of date of purchase or a copy of warranty card, and a short note explaining the problem. **Failures caused by accident, alteration, or misuse are not covered by this warranty.**
- **If one part of this product fails, please do not return the entire product. Astro will replace free of charge component parts of this product that fail within 1 year of first use by the original user. Items included in this category include but are not limited to kits, hand tool kits and any other product where there are multiple items or components that make up the unit. Please contact the phone number below in order to obtain the replacement components covered under warranty.**
- Astro Pneumatic Tool Co. or its authorized service representatives must perform all warranty repairs. Any repair to the product by unauthorized service representatives voids this warranty. The rights under this warranty are limited to the original user and may not be transferred to subsequent owners.
- This warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Some states do not allow the exclusion of limitations of incidental or consequential damages so the above limitations may not apply to you.



**PLEASE DO NOT RETURN ANY PRODUCT WITHOUT CALLING
1-800-221-9705 FOR INSTRUCTIONS**



Unpacking

When unpacking, check the parts diagram and part number listing on page 2-3 to make sure all parts are included. If any parts are missing or damaged, please call your distributor.

18PCS. BRAKE CALIPER WIND BACK TOOL SET AND 8PCS. PROFESSIONAL BRAKE TOOL SET



MADE IN CHINA

PRODUCT INFORMATION:

- Provides both left-handed and right-handed thrust bolt assemblies
- Complete set of adaptors for a wide range of vehicle applications
- Designed for push back and wind back brake pistons
- Left-handed thrust bolt required for Ford, Citroen, and Renault applications
- Adaptor plates with thrust bolt assembly and reaction plate are precisely made
- Prevents damaging pistons and seals
- Updated adaptor set applicable for wide variety of vehicles
- Set Includes:
 - Spring Compressor
 - Brake Spring Installer
 - Spring Removal Tool
 - Brake Retaining Spring Tool
 - Brake Spring Pliers
 - Two Brake Adjustment Spoons
 - Mini Adjustment Spoon
 - Blow Molded Case

DO NOT DISCARD – GIVE TO USER



**Astro Pneumatic
Tool Company**

372 Old US Highway 52 South
Mount Airy, NC 27030

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78619

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TOOL SET AND 8PCS. PROFESSIONAL
BRAKE TOOL SET**

Call 1.800.221.9705 for questions concerning performance of the product or other inquiries.

PARTS BREAKDOWN

Numbers on this page are Index Numbers; when ordering parts please crossover Index Numbers to Part Numbers on Page 3 of manual and use Part Numbers to place order.





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Product Type:

**18PCS. BRAKE CALIPER WIND BACK TOOL SET AND
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78481 Spring Compressor

For use on 5/8" diameter retainer springs found on most newer vehicles. Industrial finish.6.29" long.

78482 Brake Spring Installer

Installs brake springs on 1979 and later GM brakes on X, J, A and N body styles. Industrial finish.9.37" long.

78483 Spring Removal Tool

For use on 5/8" diameter retainer springs found on most newer vehicles. Industrial finish. 6.1" long.

78484 Brake Retaining Spring Tool

For removing brake springs on full-size cars and pick-ups with drum style brakes. Industrial finish, 9.37" long.

78485 Brake Spring Pliers

Designed by professional mechanics to remove and replace springs, this narrow point with "Straight-in-line" pull on spring design includes special socket for application on all hydraulic brakes.

78486 Brake Adjustment Spoon

Tool adjusts clearance between drum brake and brake shoe.It fits through a slot in the backing plate and turns the star wheel. Ends of tool are offset for hard-to -reach areas on small cars

78487 Brake Adjustment Spoon

Adjusts the clearance between the drum and brake shoe by fitting tool through slot in backing plate and turning the star wheel. Tool is designed to clear the axle housing to reach the slot on top of the backing plate on some trucks.

78488 Mini Adjustment Spoons

Adjusts the clearance between drum and brake shoe

Parts List

Index No.	Part No.	Description	Qty
1	78481	Spring Compressor	1
2	78482	Brake Spring Installer	1
3	78483	Spring Removal Tool	1
4	78484	Brake Retaining Spring Tool	1
5	78485	Brake Spring Pliers	1
6	78486	Brake Adjustment Spoon	1
7	78487	Brake Adjustment Spoon	1
8	78488	Mini Adjustment Spoons	1
9	78618-RMB	Right Hand Thrust Bolt	1
10	78618-LMB	Left Hand Thrust Bolt	1
11	78618-01	Plate	1
12	78618-02	2-1/64" Single Pin Disc for Citroen/xM® , xantia® (F/R)	1
13	78618-03	2-5/32" Three Pin Disc for Audi® (F), Fiat/Alfa Romeo® (F), Ford® Fiesta® (F), Honda® Concesto (F), Jaguar® xJ6, xJ40 (F/R), BMW® 318is, 320i, 325TD, 518i, 525i, 1x, 740i, 850ci, M5 (F), Mercedes Benz® 190, 200, 300, 420, 560 (F), Mitsubishi® Colt(F), Nissan® Mlera, Stanza, Sunny (F), Range Rover® , Austin, Metro, 200 & 400 Series, Maestra, Montego (F), Toyota® Camry (F), Volvo® (F), VW Passat, Golf, GTI (F)	1
14	78618-04	1-1/4" No Pin Disc for Ford® AU & NZ, Telstar, Laser (R), Mazda® (R), Saab® 9000 (R), Fiat/Alfa Romeo 1642 (R), Honda Prelude, CRS, 16i, GM Saturn, Grand Prix, Lumina (R)	1
15	78618-05	3/8" Adaptor	1
16	78618-06	1-21/32" Two pin Disc for Nissan Primera, VW-Golf IV	1
17	78618-07	1-21/32" Two Pin Disc for Audi® 80, 90, V8 100, Coupe E (R), Range Rover 800, Subaru L, Z (R), Ford Sierra, Granada, Scorpio (R), Nissan Bluebird, Silvia, Primera, Peugeot 405, 1.9Gi, Gro, Sri, Gtxi, Mi, 2.0 Sri (R), Toyota Celica Corolla, GT, MR2 (R), VW Golf Gti, Jetta, Synchro, Jetta Gti, Passat CL, GL, GT, Corrado, Scirocca, GTX	1
18	78618-08	1-7/8" Single Pin Disc for General Motors	1
19	78618-09	2-1/8" Single Pin Disc for General Motors, Cadillac Seville & El Dorado	1
20	78618-10	2-12" Single Pin Disc for General Motors® '79 Seville, El Dorado	1
Z	78618-11	1-3/16" Two Pin Disc for Renault® R21, Laguna	1
M	78618-12	1-1/4" Two Pin Disc for Ford	1
N	78618-13	1-1/4" Hex Disc for Saab, Honda	1
G	78618-14	1-1/4" Two Pin Disc for Opel	1
K	78618-15	2-1/8" Two Pin Disc for Citroen C5	1
E	78618-16	1-21/32" Four Pin Disc for Cefiro, Maxima	1