

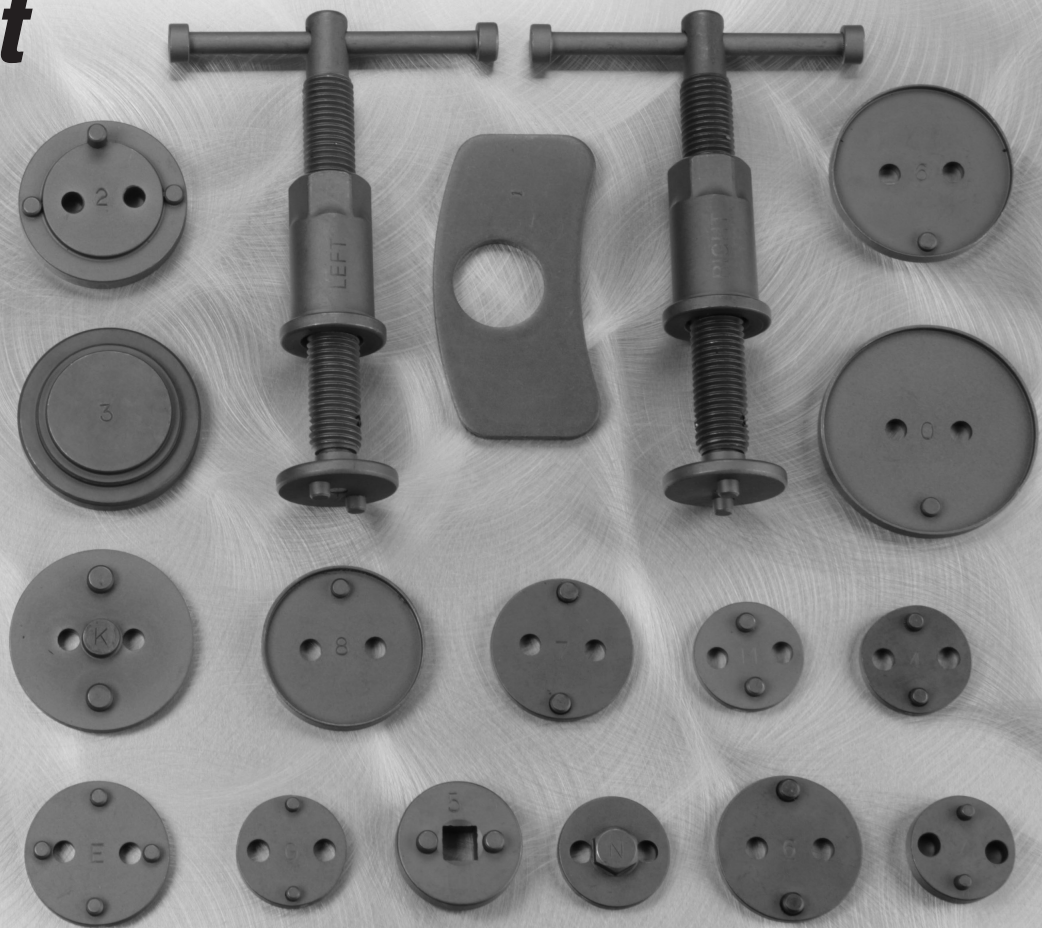
# Owner's Manual & Safety Instructions

**Save This Manual** Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

## **PITTSBURGH<sup>®</sup> AUTOMOTIVE**

**ITEM 61381**

### ***Disk Brake Pad and Caliper Service Tool Kit***



Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [tech@harborfreight.com](mailto:tech@harborfreight.com)

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

#### **⚠ WARNING**

**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

# IMPORTANT SAFETY INFORMATION

## WARNING

**Read all safety warnings and instructions.**



*Failure to follow the warnings and instructions may result in serious injury.*

**Save all warnings and instructions for future reference.**

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## Operation Safety

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- Keep children and bystanders away while operating.**  
Distractions can cause you to lose control.
-  **Wear ANSI-approved safety goggles, NIOSH-approved dust mask/respirator, and heavy-duty work gloves during use and service.**
-  **Brake pad dust and some chemicals used for brake service may contain asbestos and other hazardous substances.**  
**Use safety measures, such as proper ventilation and breathing protection, to reduce the risk of serious and/or chronic illness.**
- Inspect and test vehicle's brake system thoroughly after service to ensure proper operation.
- Use according to instructions in vehicle service manual.
- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Stay alert and use common sense when operating. Do not use when tired or under the influence of drugs, alcohol or medication.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- WARNING:** This product contains or, when used, produces a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)
- People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
- This product is not a toy. Keep it out of reach of children.
- Use the correct product for the correct vehicle. The correct product will do the job better and safer at the rate for which it was designed. Do not modify this product or use it for a purpose for which it is not intended.
- Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the product's operation. If damaged, have the product repaired before use.

## Maintenance Safety

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- Have product serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Maintain labels and nameplates on the product. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.



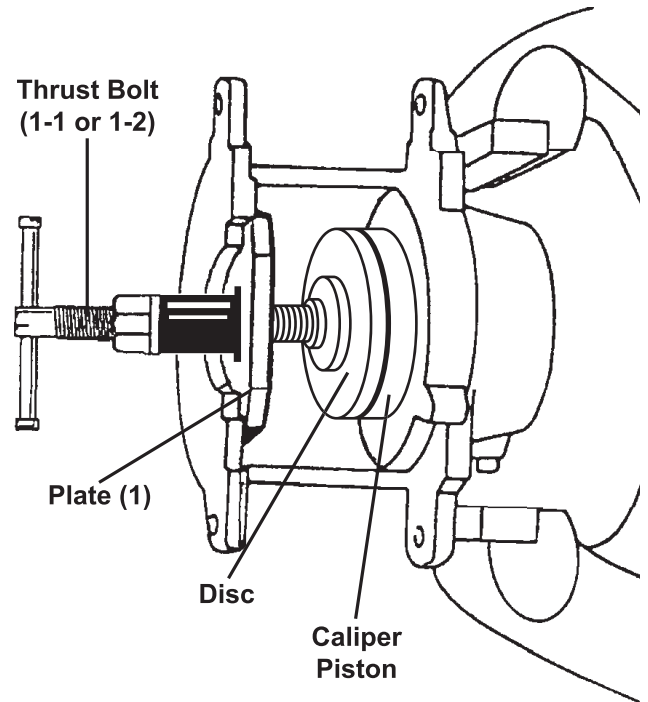
**SAVE THESE INSTRUCTIONS.**

**PITTSBURGH<sup>®</sup> AUTOMOTIVE**

## Operation

**Note:** See page 4 and read vehicle service manual to determine which Disc and Thrust Bolt to use.

1. Move the T-handle of the Thrust bolt to one side and slide the plate over the Thrust Bolt, until it rests on the bottom. Apply the Disc to the two pegs on the bottom of the Thrust Bolt (the magnet will hold it in place).
2. Raise and safely secure vehicle.
3. Remove the wheel and brake caliper. Remove the worn brake pads and hardware.
4. Service the caliper according to the vehicle manufacturer's instructions, see the illustration to the right for typical usage.
5. Reassemble caliper, brake pads, and wheels.
6. Clean, then store the Service Kit indoors out of children's reach.



**WARNING!** Test the brakes thoroughly before use.

## Maintenance



Procedures not specifically explained in this manual must be performed only by a qualified technician.

### **WARNING**

**TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:** Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose hardware, misalignment or binding of moving parts, and any other condition that may affect its safe operation.
2. **AFTER USE**, wipe external surfaces of the tool with clean cloth.

## Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

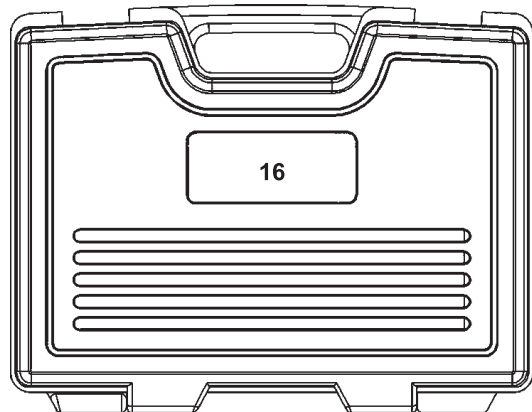
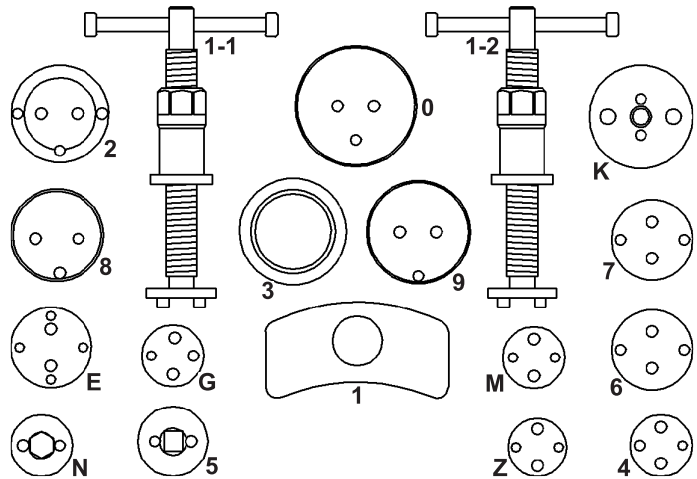
To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

## Parts List and Diagram

| Part | Description  | Qty |
|------|--|-----|
| 1-1  | Right Hand Thrust Bolt   | 1   |
| 1-2  | Left Hand Thrust Bolt  | 1   |
| 0    | 2-1/2" Single Pin Disc for General Motors® '79 Seville, El Dorado  | 1   |
| 1    | Plate  | 1   |
| 2    | 2-1/64" Three Pin Disc for Citroen/ XM®, Xantia® (F/R)   | 1   |
| 3    | 2-5/32" No 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   |
| 4    | 1-1/4" Two 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   |
| 5    | 3/8" Adaptor   | 1   |
| 6    | 1-21/32" Two Pin Disc for Nissan Primera, VW-Golf IV   | 1   |
| 7    | 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, Ml, 2.0 Sri (R), Toyota Celica Corolla, GT, MR2 (R), VW Golf Gti, Jetta, Synchro, Jetta Gti, Passat CL, GL, GT, Corrado, Scirroca, GTX  | 1   |
| 8    | 1-7/8" Single Pin Disc for General Motors  | 1   |
| 9    | 2-1/8" Single Pin Disc for General Motors, Cadillac Seville & El Dorado  | 1   |

| Part | Description                                   | Qty |
|------|---|-----|
| E    | 1-21/32" Four Pin Disc for Cefiro, Maxima     | 1   |
| G    | 1-1/4" Two Pin Disc for Opel                  | 1   |
| K    | 2-1/8" Two Pin Disc for Citroen C5            | 1   |
| M    | 1-1/4" Two Pin Disc for Ford                  | 1   |
| N    | 1-1/4" Hex Disc for Saab, Honda               | 1   |
| Z    | 1-3/16" Two Pin Disc for Renault® R21, Laguna | 1   |
| 16   | Case  | 1   |



## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.