

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.



## HEAVY DUTY HUB, ROTOR AND DRUM PULLER

### FOR CUSTOMER SERVICE

Technical Question?

**CALL 1-866-458-2472**  
**customerservice@oem-tools.com**

### UNPACKING

After unpacking unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts. If any damage is observed, a shipping damage claim must be filed with carrier. DO NOT use the OEMTOOLS® Heavy Duty Hub, Rotor and Drum Puller if broken, bent, cracked or damaged parts (including labels) are noted. Any Puller that appears damaged in any way, operates abnormally, or is missing parts should be removed from service immediately. If you suspect that the Puller was subjected to shock load (a load that was dropped suddenly, unexpectedly, etc.), immediately discontinue use until it has been checked by a factory authorized service center.



### ⚠ WARNING

The following safety information is provided as a guideline to help you operate your Puller under the safest possible conditions. Any tool or piece of equipment can be potentially dangerous to use when safety or safe handling instructions are not known or not followed. The following safety instructions are to provide the user with the information necessary for safe use and operation. Please read and retain these instructions for the continued safe use of your Puller. Failure to follow instructions listed below may result in serious injury. In addition, make sure that anyone who uses the equipment understands and follows these safety instructions as well.

### Explanation of Safety Signal Words

**⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION:** Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

**NOTES:** Provide clarity and helpful information.

Thank you very much for choosing an OEMTOOLS® Product!

For future reference, please register your new tool at [www.oem-tools.com](http://www.oem-tools.com) and complete the owner's record below:

**Model:** \_\_\_\_\_ **Purchase Date:** \_\_\_\_\_

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it. This product is designed for certain applications only. OEMTOOLS® cannot be responsible for issues arising from modification. We strongly recommend that this product is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the product until you have first contacted customer service to determine if it can or should be performed on the product.

**⚠ WARNING:** Pursuant to California Proposition 65, this product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.



# HEAVY DUTY HUB, ROTOR AND DRUM PULLER

## **⚠ IMPORTANT INSTRUCTIONS AND SAFETY RULES**

1. Know your product. Read this manual carefully. Learn the product's applications and limitations, as well as potential hazards specific to it. The use of this product is simple and straightforward if you follow the instructions. When operating this product, use common sense and only use this product for its intended purpose.
2. Maintain labels and nameplates on this product. These carry important information. If unreadable or missing, contact OEMTOOLS® for a replacement.
3. Maintain this product with care. Keep it dry and clean – and free from brake fluid, oil, and grease (if applicable).
4. Check for damage. Check your product regularly. If part of the product is damaged, it should be carefully inspected to make sure that it can perform its intended function correctly. If in doubt, the part should be repaired. Refer all servicing to a qualified technician. Consult your dealer for advice.
5. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the product's operation.
6. DO NOT use a damaged product. Tag damaged products "DO NOT USE" until repaired. If damaged, have the product serviced before using. Many accidents are caused by poorly maintained products.
7. Service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could create a risk of injury.
8. When servicing a product, use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions could create a risk of injury.
9. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one product may become hazardous when used on another product.
10. Keep work area clean and well lit. Cluttered or dark work areas invite accidents.
11. Maintain a safe working environment. Keep the work area well lit. Make sure there is adequate surrounding workspace. Keep the work area free of obstructions, grease, oil, trash, and other debris. DO NOT use this product in a damp or wet location.
12. Keep children away from the work area. Never let a child handle this product without strict adult supervision.
13. Store this product out of the reach of children and untrained persons. This product may be dangerous in the hands of untrained users.
14. DO NOT operate this product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, DO NOT attempt to operate.
15. Use safety equipment. Eye protection should be worn at all times when operating this product. Use ANSI approved safety glasses. Everyday eyeglasses are NOT safety glasses. Dust mask, non-skid safety shoes, hard hat or hearing protection should be used in appropriate conditions.
16. Wear proper apparel. Loose clothing, gloves, neck-ties, rings, bracelets or other jewelry may present a potential hazard when operating this product. Keep all apparel clear of the product.
17. DO NOT overreach. Keep proper footing and balance at all times when operating this product.
18. Keep away from flammables. DO NOT attempt to operate this product near flammable materials or combustibles. Failure to comply may cause serious injury or death.
19. Avoid accidental fire and/or explosion. DO NOT smoke near engine fuel and battery components.

20. We believe the information contained herein to be reliable. However, general technical information is given by us without charge and the user shall employ such information at their own discretion and risk. We assume no responsibility for results or damages incurred from the use of such information in whole or in part. Always refer to specific instructions and technical information supplied by vehicle manufacturer.
21. The manufacturer declines any and all responsibility for property damage or injury if said damage is the result of unskillful handling by the operator or of failure to observe the basic safety rules set forth in the instruction manual.
22. The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## **PRODUCT DESCRIPTION**

Designed for the removal of the of brake drums and rotors on most FWD and AWD (some RWD) vehicles. This tool can also be used to pull some larger parts, such as: wheels, gears, pulleys, hubs and flywheels.

## **PRODUCT SPECIFICATIONS**

<b>Load Rating</b>	7 Tons
<b>Max Spread</b>	14" (355 mm)
<b>Max Reach Drum/Rotor</b>	5.25" (133 mm)
<b>Max Reach Hub</b>	4.4" (111 mm)
<b>Pressure Screw Hex</b>	1-1/4" (32 mm)
<b>Pressure Screw Length</b>	10.5" (266 mm)
<b>Pressure Screw Thread Length</b>	6.25" (158 mm)
<b>Forcing Nut Hex</b>	1-1/4" (32 mm)
<b>Hub Adapters Included</b>	Small (32.8 mm), Medium (36.9 mm), Large (45 mm)
<b>Impact Rated</b>	Yes

## **CONTENTS**

(1) T-bar Frame, (2) Drum/Rotor Puller Jaws, (2) Hub Puller Jaws, (2) Set Knobs, (3) Hub Adapters, (2) Hardened Washers, (1) Forcing Nut, (1) Extended Forcing Nut (G), (1) Pressure Screw

## **SPECIFIC SAFETY INSTRUCTIONS AND WARNINGS**

**⚠WARNING:** ALWAYS reference the vehicle maintenance manual prior to use.

**⚠WARNING:** PRIOR to applying load, ensure that the puller jaws are straight and making secure contact with the part being pulled. An insecure load may cause the tool or part to dislodge unexpectedly, causing injury or damage to personal property.

**⚠WARNING:** Ensure all clothing, fingers and any appendages are not placed between the puller jaws and the part being pulled, or between the part being pulled and the T-bar.

**⚠WARNING:** ALWAYS ensure that the load is being placed in the correct direction prior to pulling. Failure to do so may cause damage to the part or tool.

**⚠WARNING:** If a ratchet strap is to be used, ensure the strap is not damaged and is not placed between the puller jaws and the part being pulled, this may cause the pulling system to fail and result in injury or property damage.



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**▲WARNING:** If a ratchet strap is to be used, ensure the strap is free of any other parts.

**▲WARNING:** If a ratchet strap is to be used, ensure the strap does not drag on the ground, this can cause a tripping hazard.

**▲WARNING:** ALWAYS keep the forcing screw well lubricated, use a high quality, anti-seize compound.

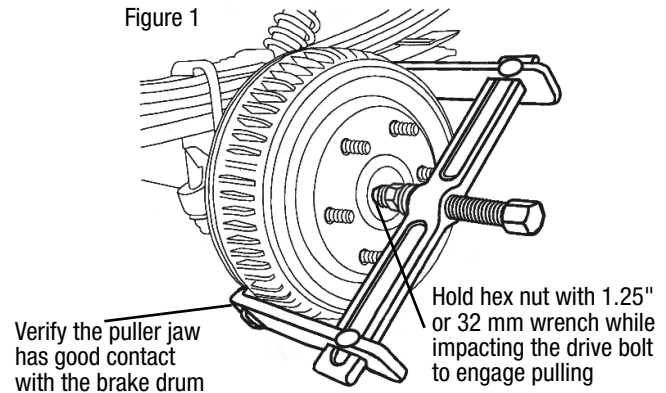
**▲WARNING:** ALWAYS use impact sockets and accessories when using air tools with this tool.

**▲WARNING:** While this tool can be used to remove larger parts as mentioned in the purpose section of this manual, OEMTOOLS® cannot describe all of the various procedures needed for any situation, and advise that the user references the vehicle maintenance manual or contact a qualified technician for assistance.

### BRAKE DRUM/ROTOR REMOVAL INSTRUCTION

1. Refer to the vehicle maintenance manual prior to use. Use the recommended lifting method and device to lift the vehicle so that the wheel and tire are elevated.
2. After removing the wheel, completely thread two lugs back onto opposing wheel studs. Back the lug nuts off of the drum 3-4 turns. This allows the drum to be pulled from the hub, but not fall off of the studs.
3. Center the T-Bar (A) over the drum or rotor to be pulled. Adjust the Set Knobs (C) so that the Drum/Rotor Puller Jaws (D) are secured evenly around the drum/rotor.
4. Grease the two Hardened Washers (H), Forcing Nut (F) and Pressure Screw (B).
5. Thread the Pressure Screw (B) through the T-Bar (A). Leave room between the Pressure Screw (B) and the drum/rotor to add the Hardened Washers (H) and Forcing Nut (F).
6. Thread the Hardened Washers (H) over the Pressure Screw (B), on the inside of the T-Bar (A) facing the drum/rotor.
7. Thread the Forcing Nut (F) over the Pressure Screw (B), on the inside of the Hardened Washers (H) facing the drum/rotor.
8. Prior to pulling, ensure the Set Knobs (C) are properly set and secured, and the Pressure Screw (B) is centered over the axle. The Puller Jaws (E) should be positioned as follows:
  - a. Drum Brakes – Between the brake drum and the backing plate.
  - b. Disc Brakes – Securely against the backside of the rotor.
9. If necessary, a ratchet strap can be used to wrap around the Drum/Rotor Puller Jaws (D) to better secure the jaws to the drum/rotor. ALWAYS check the ratchet strap for damage prior to use and reference the safety instructions if using a ratchet strap. DO NOT use the strap as a mechanism to apply more force to the system; this mechanism is only to be used to better clamp around the system.
10. While holding the Forcing Nut (F), hand tighten the Pressure Screw (B), so that the male notch in the Pressure Screw (B) is in contact with the female notch in the axle.
11. The Forcing Nut (F) and Hardened Washers (H) should be snug against the T-Bar (A). Using a 1-1/4" or 32 mm wrench, hold the Forcing Nut (F) in place. Using an impact wrench with a 1-1/4" or 32 mm impact rated socket, drive the Pressure Screw (B). This will push the Pressure Screw (B) against the hub/axle, and by retaining the Forcing Nut (F) against the T-Bar (A), pull the drum/rotor (Figure 1).
12. If applicable, remove the ratchet strap from the puller. Remove the puller by adjusting the Set Knobs (C) while supporting the T-Bar (A). Remove the lug nuts and drum/rotor.

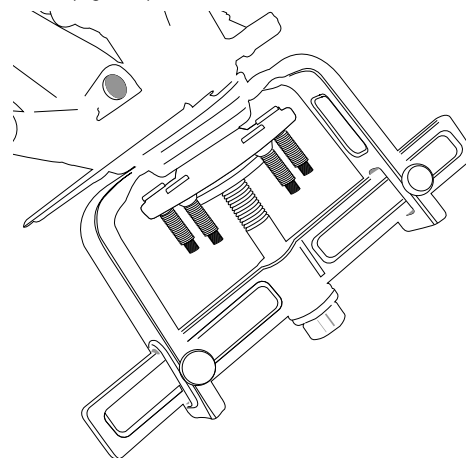
Figure 1



### HUB REMOVAL INSTRUCTION

1. Remove the Set Knobs (C) from the Drum/Rotor Puller Jaws (D) and remove the jaws from the T-Bar (A). Place the Hub Puller Jaws (E) onto the T-Bar (A) so that the jaws face inward. Thread the Set Knobs (C) into the Hub Puller Jaws (E). Do not fully tighten into place.
2. Grease the two Hardened Washers (H), Extended Forcing Nut (G) and Pressure Screw (B).
3. Inspect behind the hub for a solid platform. The steering knuckle can be used in most applications.
4. Center the T-Bar (A) over the hub to be pulled. Adjust the Hub Puller Jaws (E) around the back of the hub, so that they rest on the steering knuckle or other solid platform. Tighten the Hub Puller Jaws (E) into place using the Set Knobs (C).
5. Thread the Hardened Washers (H) onto the Forcing Screw, then thread the Forcing Screw through the T-Bar (A) and the hub.
6. Select the correct Hub Adapter (I, J, K) that will pass through the steering knuckle and rest against the back of the hub.
7. Hand tighten the Extended Forcing Nut (G) into place. The hex end of the Pressure Screw (B) and Hardened Washers (H) should be snug against the top of the T-Bar (A), and the Hub Adapter (I, J, K) and Extended Forcing Nut (G) should be snug against the hub. There should be no play in the system; ensure that the Hub Adapter (I, J, K) is pressing squarely against the back of the hub.
8. Using a 1-1/4" or 32 mm wrench, hold the Extended Forcing Nut (G). Using an impact wrench with a 1-1/4" or 32 mm impact rated socket, drive the Pressure Screw (B). The Hardened Washers (H) will press on the T-Bar (A), the Hub Puller Jaws (E) will press against the knuckle. The Hub Adapter (I, J, K) and Extended Forcing Nut (G) will press against the rear of the hub until the hub dislodges from the knuckle (Figure 2).

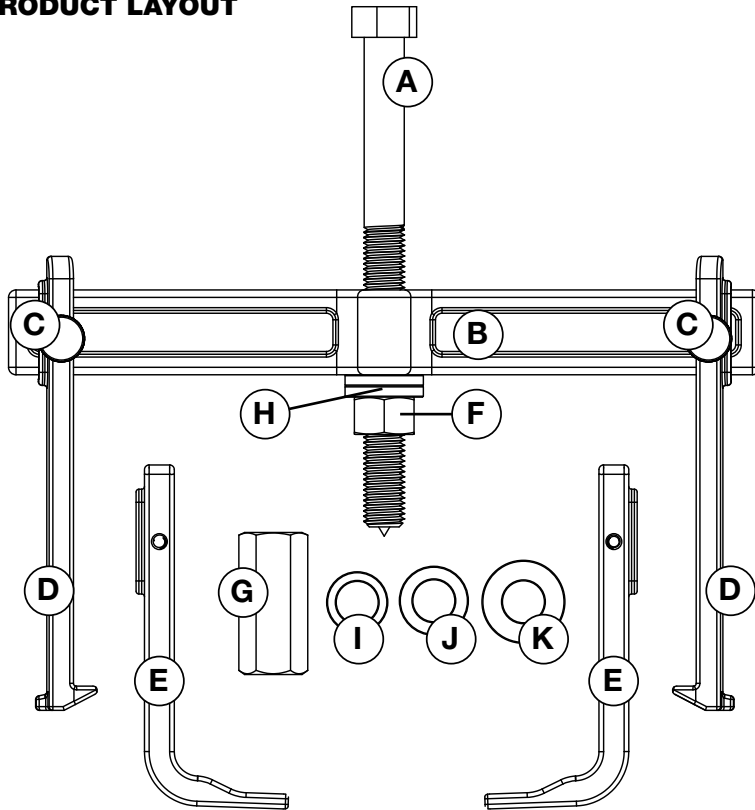
Figure 2





# HEAVY DUTY HUB, ROTOR AND DRUM PULLER

## PRODUCT LAYOUT



## PARTS LIST

Figure	Description	Qty.
A	T-Bar	1
B	Pressure Screw	1
C	Set Knobs	2
D	Drum/Rotor Puller Jaws	2
E	Hub Puller Jaws	2
F	Forcing Nut	1
G	Extended Forcing Nut	1
H	Hardened Washers	2
I	Small Hub Adapter	1
J	Medium Hub Adapter	1
K	Large Hub Adapter	1

## OEMTOOLS® LIMITED LIFETIME WARRANTY

For as long as you own this OEMTOOLS® product, if you find any defect in material or workmanship, through normal usage, return it to the place of purchase or to OEMTOOLS® for repair or replacement at our discretion. In order to obtain this service, send your tool and proof of purchase (transportation pre-paid) to:

OEMTOOLS® Q.A. Dept., 3580 E. Raines Road #3, Memphis, TN 38118.

We will not be responsible for lost or damaged goods during transportation; please insure your package. If our inspection verifies the defect, we will repair or replace the product, 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.

OEMTOOLS® does not provide warranty for products labeled other than OEM® or OEMTOOLS®. OEMTOOLS® will not provide any warranty for products subjected to abnormal use. Abnormal use includes (but is not limited to) abuse, accident, alteration, neglect, and unauthorized or unreasonable use or repairs. This warranty does not cover bits, blades, files, batteries, or calibration. We recommend that you maintain your tools and sharpen or replace blades, bits, files, and batteries as necessary. OEMTOOLS® reserves the right to make any changes in construction or design at any time without any obligation in incorporating such changes to tools or equipment previously sold.

OEMTOOLS® makes every effort to ensure 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. 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. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Don't forget to register your new OEMTOOLS® product at [www.oem-tools.com](http://www.oem-tools.com).

## CONTACT US

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