

# Wheel Stud Service Kit

10616

**TIGER  
TOOL**

Have What It Takes

## Safety Warning

**Read all instructions and safety warnings prior to operation. Failure to do so could result in equipment damage, personal injury or even death.**

**CAUTION:** USE REPLACEMENT PARTS AND ACCESSORIES PROVIDED BY TIGER TOOL ONLY. ALL REPLACEMENT PARTS AND ACCESSORIES ARE AVAILABLE. KEEP HYDRAULIC COUPLER PROTECTED WHEN NOT IN USE. DUST CAPS SHOULD BE USED ON COUPLERS WHEN NOT IN USE TO AVOID CONTAMINANTS FROM ENTERING THE HYDRAULIC CYLINDER AND POWER SOURCE. THIS PRACTICE WILL HELP TO EXTEND THE LIFE OF THIS PRODUCT AND ENSURE CONTINUED CONSISTENT OPERATION.

- **Stay Alert!** Watch what you are doing and use common sense when operating this tool.
- Inspect product for damage prior to using; do not use if product is in unsafe condition.
- Do not operate tool while under the influence of drugs, alcohol or medication.
- Always use safety equipment to prevent injuries. Approved face and eye protection must always be worn by the operator, as well as others in the work area.
- Do not overreach. Keep proper footing and balance at all times.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.
- Keep hands clear of all pressurized hydraulic components.
- Always ensure hoses are free from sharp bends and kinks.
- Keep your work area clean and well lit.
- Cylinders are designed for 10,000 psi (700 bar) maximum working pressure. Do not connect to a pump with a higher rated pressure. Use a pressure gauge in the system at all times. Ensure all components in the system are rated for 10,000 psi (700 bar).



View demonstration videos and a complete product list at [tigertool.com](https://tigertool.com)

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## Operating Instructions

### Wheel Stud Removal (Disk Brake)

- 1 Thread the 10 ton cylinder into the threaded end of the L-frame.
- 2 Attach the hydraulic power supply to the cylinder (Use any 10,000 psi air/hydraulic pump).
- 3 Install the Fork Foot Install Plate into the opposing end of the L-frame like shown. **(Figure A)**
- 4 Select the appropriate stud pusher adapter (long or short, depending on stud length) and thread into the hydraulic cylinder. **(Figure B)**
- 5 Position the 10616 over the wheel stud and apply hydraulic pressure until the wheel stud is released from the hub flange. **(Figure C)**
- 6 Upon removal of all wheel studs, remove the removal adapters from the hydraulic cylinder.

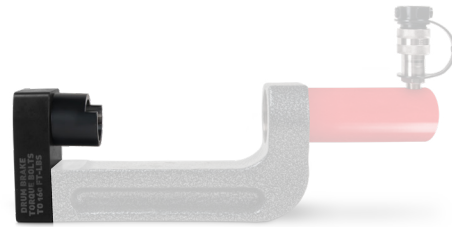


Figure A

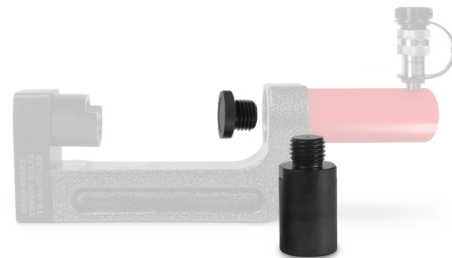


Figure B

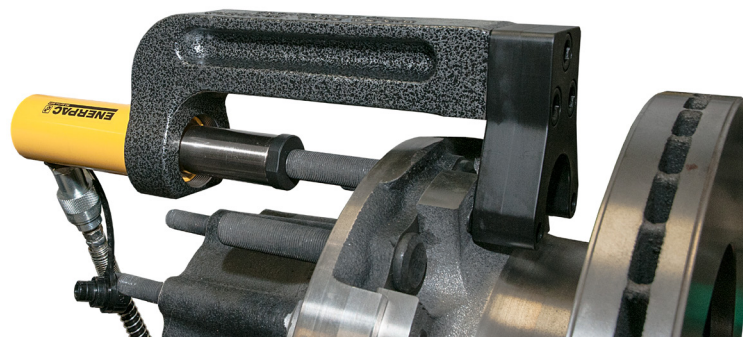


Figure C



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## Wheel Stud Installation (Disk Brake)

Thoroughly remove any corrosion, rust or burrs from the rear side of the hub to ensure proper wheel stud installation.

- 1 Select the Fork Foot Install Plate from the kit and insert it into the Fork Foot on the end of the L-frame. **(Figure D)**
- 2 Select the threaded cylinder adapter and thread onto hydraulic cylinder. **(Figure E)**
- 3 Insert the new wheel stud through the backside of the hub by hand and align the splines.
- 4 For installation of  $\frac{3}{4}$ " or 22 mm studs you must select the appropriate aluminum sleeve and place it over the protruding threaded area of the stud. **(Figure F)**  
Then place the installation tube over the aluminum sleeve.

For installation of  $1\frac{1}{8}$ " studs, the aluminum sleeve is not required. Use the installation tube only.

- 5 Position the 10616 over the wheel stud/installation tube and continue to apply hydraulic pressure until the stud is securely seated into the hub flange. **(Figure G)**

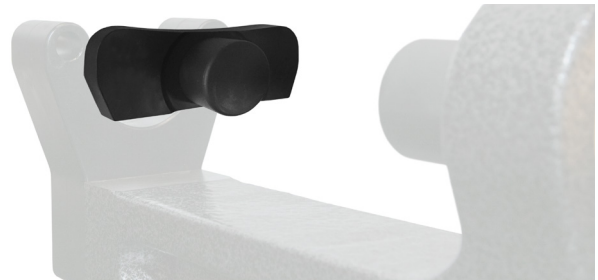


Figure D

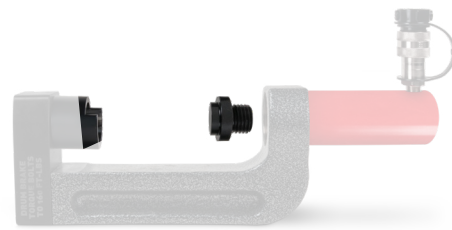


Figure E

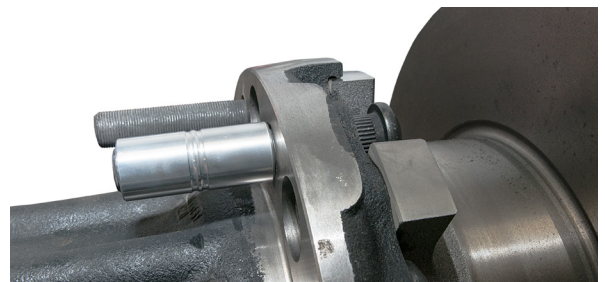


Figure F



Figure G



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# Wheel Stud Service Kit

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## Operating Instructions

### Wheel Stud Removal (Drum Brake)

- 1 Thread the 10 ton cylinder into the threaded end of the L-frame.
- 2 Attach the hydraulic power supply to the cylinder (Use any 10,000 psi air/hydraulic pump).
- 3 Install the Drum Brake Foot into the opposing end of the L-frame like shown and insert stud remover cup if necessary. **(Figure A)**
- 4 Select the appropriate stud pusher adapter (long or short, depending on stud length) and thread into the hydraulic cylinder. **(Figure B)**
- 5 Position the 10616 over the wheel stud and apply hydraulic pressure until the wheel stud is released from the hub flange. **(Figure C)**  
**Note:** Picture show is of 10608 - operating principals are the same as 10616.
- 6 Upon removal of all wheel studs, remove the removal adapters from the hydraulic cylinder and opposing end of the L-frame to prepare for installation.

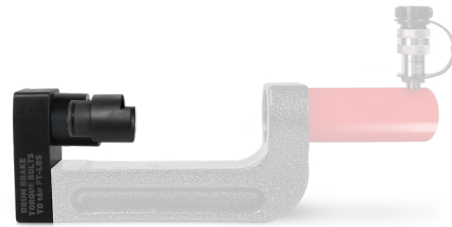


Figure A

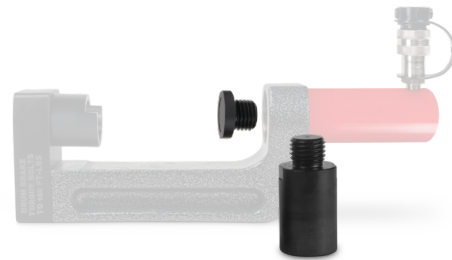


Figure B

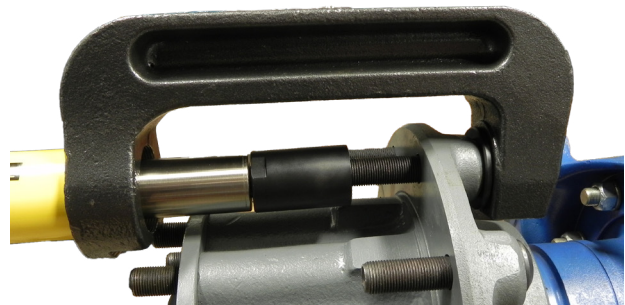


Figure C



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## Wheel Stud Installation (Drum Brake)

Thoroughly remove any corrosion, rust or burrs from the rear side of the hub to ensure proper wheel stud installation.

- 1 Select the Stud Installer Anvil from the kit and insert it into the end of the L-frame. **(Figure D)**
- 2 Select the threaded cylinder adapter and thread onto hydraulic cylinder. **(Figure E)**
- 3 Insert the new wheel stud through the backside of the hub by hand and align the splines.
- 4 For installation of  $\frac{3}{4}$ " or 22 mm studs you must select the appropriate aluminum sleeve and place it over the protruding threaded area of the stud **(Figure F)**. Then place the installation tube over the aluminum sleeve.

For installation of  $1\frac{1}{8}$ " studs the aluminum sleeve is not required. Use the installation tube only.

- 5 Position the 10616 over the wheel stud/installation tube and continue to apply hydraulic pressure until the stud is securely seated into the hub flange. **(Figure G) Note:** Picture show is of 10608 - operating principals are the same as 10616.

Here at Tiger Tool, your satisfaction is our number one priority. Should you have any questions about this or any of our products, please call us at 1.800.661.4661.

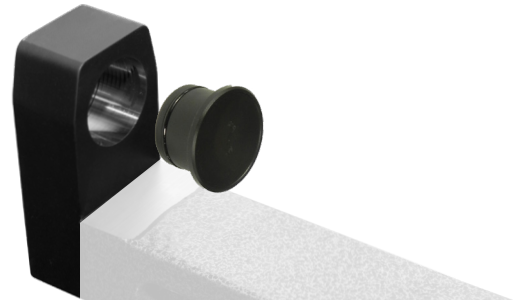


Figure D

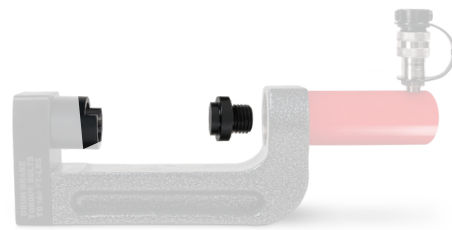


Figure E



Figure F



Figure G



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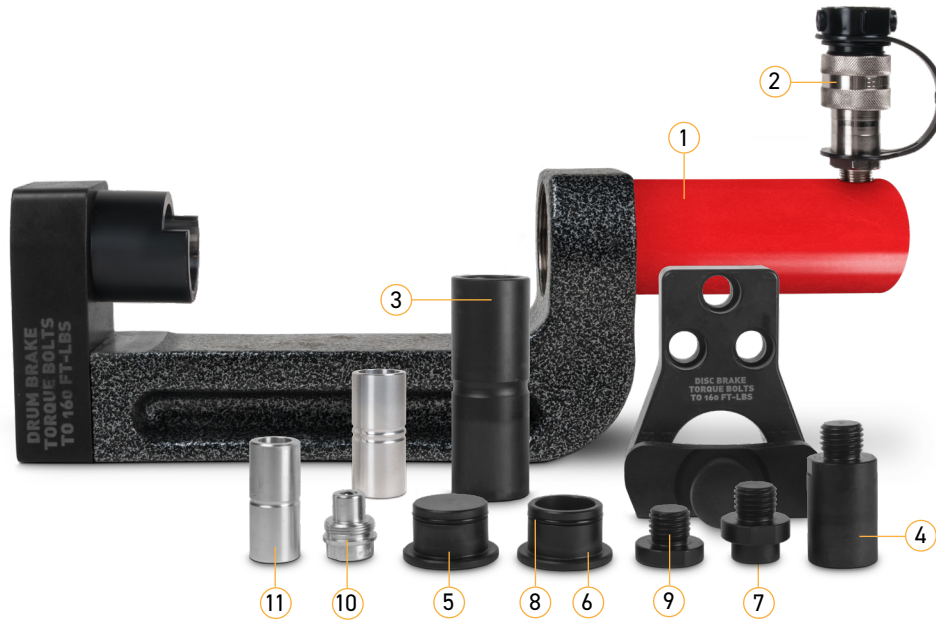
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## Parts Breakdown



Item No.	Part Number	Description	Qty.
1	H1004	10 Ton Cylinder	1
2	70250-1	Female Coupler	1
3	10608-18	Installation Tube	1
4	10608-6	Stud Remover Anvil - Long	1
5	10608-4	Stud Installer Anvil	1
6	10608-7	Stud Removal Adaptor - Thru Sleeve - 1.4" Dia	1
7	10608-3	Threaded Cylinder Adapter - 1 1/8"	1
8	10608-12	O-Ring	3
9	10608-8	Stud Remover Anvil - Short	1
10	70250-2	Male Coupler	1
11	10608-21	3/4" Aluminum Sleeve	1



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## Parts Breakdown



Item No.	Part Number	Description	Qty.
12	10608-22	22mm Aluminum Sleeve	1
13	10616-1	L-Frame	1
14	10608-5	Stud Remover Cup	1
15	10616-4	Drum Brake Foot	1
16	10616-2	Fork Foot	1
17	10616-5	SHCS 5/8"-11 X 1 3/4"	3
18	10202-5	O-Ring #012	2
19	10616-3	Fork Foot Install Plate	1
20	10616-7	Stud Install Ext.	1
21	10616-8	SHCS 3/8"-16 X 7/8"	1



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