

# Heavy Duty U-Joint Service Kit

20150

**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 10102:** FAILURE TO CHECK THE SPHERICAL THRUST WASHER AND REPLACE AS NECESSARY MAY RESULT IN UNREPAIRABLE DAMAGE TO YOUR U-JOINT PULLER GLOVE CASTING. PREVENTATIVE MAINTENANCE AS OUTLINED WILL ENSURE MANY YEARS OF USE FROM YOUR TIGER TOOL PULLER. FAILURE TO PERFORM PREVENTATIVE MAINTENANCE WILL VOID YOUR WARRANTY.

**CAUTION 10217:** BEFORE ASSEMBLING BEARING CUPS ON ANY "SPICER LIFE SERIES" DRIVELINE, CLEAN OUTSIDE MACHINED SURFACES OF YOKE TO BARE METAL—**DO NOT GRIND!**

- **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.



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

Technical Support  
1.800.661.4661

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## Operating Instructions

### U-Joint Puller: 10102

**CAUTION:** Failure to check the spherical thrust washer and replace as necessary may result in unrepairable damage to your U-Joint Puller glove casting. Preventative maintenance as outlined below will ensure many years of use from your Tiger Tool puller. Failure to perform preventative maintenance will void your warranty.

- 1 Remove all fasteners from bearing cups.
- 2 Slip the U-Joint Puller over the yoke of the driveline.
- 3 Turn the tool's forcing screw clockwise with either an air or hand wrench. (Note: reverse thread)
- 4 Once bearing cup has been removed, repeat the process on the remaining bearing cups.

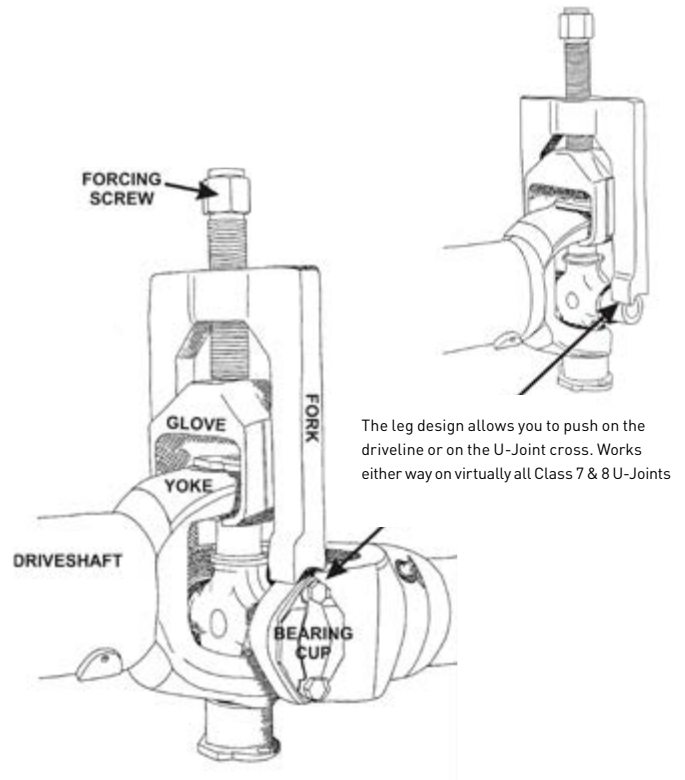
The 10102 U-Joint Puller may be used with up to a 1" impact wrench without voiding warranty.

### Preventative Maintenance

Keep forcing screw clean and lubricated at all times. Failure to maintain the spherical thrust washer, located inside the glove will result in excessive wear to the part. Check and lubricate this part (lubricate load bearing surface in glove, under cap, on both sides of spherical washer) periodically and replace as necessary. Contact your Dealer or Tiger Tool for replacement washers. (We recommend SAE 30 lube for the threads and EP 'with molly grease').

### Bearing Cup Installer: 10201

- 1 Ensure all parts to be assembled are clean and/or greased where applicable.
- 2 Double check all the needle bearings are present and placed correctly.
- 3 Start pressing bearing cup into the yoke by hand, making sure U-joint cross and bearing cup bolt holes line up.
- 4 Place installer onto the bearing cup, threading bolts into yoke.
- 5 Using an impact or hand wrench, turn the forcing screw until cup is flush to yoke.
- 6 Remove the tool, and install bearing cup bolts.



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## Operating Instructions

### Bearing Cup Installer: 10217

**CAUTION:** Before assembling bearing cups on any Spicer Life Series driveline, clean outside machined surfaces of yoke to bare metal—do not grind!

- 1 Reverse the forcing screw to a point far enough back to position tool over yoke.
- 2 By hand, tighten the forcing screw until both the frame of the tool is contacting the yoke and the one bearing cup is positioned correctly into the recess of the plunger.
- 3 Using an impact or hand wrench, begin applying force to press bearing cup into yoke.
- 4 When plunger is completely tight against yoke, stop supplying power and reverse forcing screw.
- 5 Hand install the second bearing cup into yoke, making sure u-joint cross is in the correct position between both cups.
- 6 Repeat steps 4 and 5.

### 170 Series (Gold) & 140 Series (Black)

- 1 Select the correct reducer according to series of driveline to be assembled.
- 2 Snap appropriate reducer into the silver 250 series plunger.
- 3 Proceed with instructions 1 through 6.

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.



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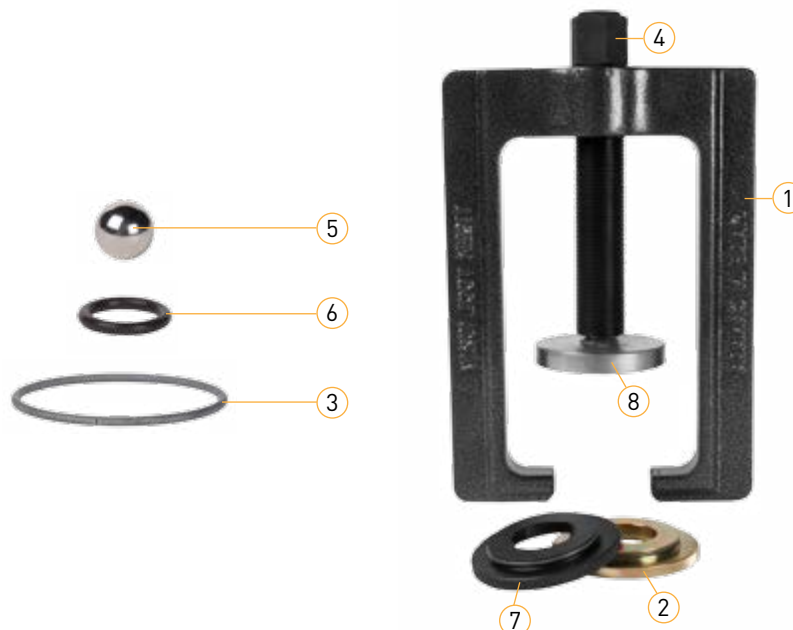
# Bearing Cup Installer

10217

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## Parts Breakdown



| Item No. | Part Number | Description        | Qty. |
|----------|-------------|--------------------|------|
| 1        | 10217-1     | Fork               | 1    |
| 2        | 10217-2     | 170 Series Reducer | 1    |
| 3        | 10217-3     | Wire Ring          | 2    |
| 4        | 10217-4     | Forcing Screw      | 1    |
| 5        | 10217-5     | Ball Bearing       | 1    |
| 6        | 10217-6     | O-Ring             | 1    |
| 7        | 10217-7     | 140 Series Reducer | 1    |
| 8        | 10217-8     | Plunger            | 1    |



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# Heavy Duty U-Joint Puller

## 10102

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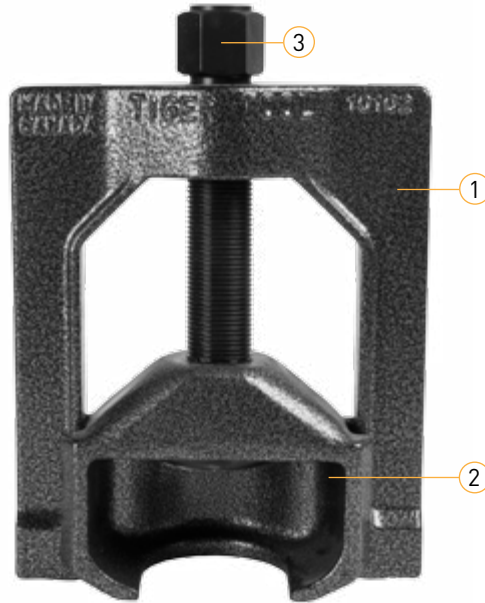
## Parts Breakdown

### Part #10101

10102 Maintenance Pack  
Contains each of the following items:



Also available separately.



| Item No. | Part Number | Description    | Qty. |
|----------|-------------|----------------|------|
| 1        | 10102-1     | Fork           | 1    |
| 2        | 10102-2     | Glove          | 1    |
| 3        | 10102-3     | Forcing Screw  | 1    |
| 4        | 10102-4     | Retaining Bolt | 1    |
| 5        | 10102-5     | Washer         | 1    |
| 6        | 10102-6     | Dome Plug      | 1    |



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# Bearing Cup Installer

10201

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## Parts Breakdown



| Item No. | Part Number | Description   | Qty. |
|----------|-------------|---------------|------|
| 1        | 10201-1     | Plate         | 1    |
| 2        | 10201-2     | Bolt          | 2    |
| 3        | 10201-3     | Forcing Screw | 1    |



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